INTERAGENCY ADVISORY COMMITTEE ON WATER DATA

NOTES ON SEDIMENTATION ACTIVITIES CALENDAR YEAR 1979

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF WATER DATA COORDINATION
RESTON, VIRGINIA 22092

NOTES ON SEDIMENTATION ACTIVITIES

CALENDAR YEAR 1979

A Report of the

Subcommittee on Sedimentation

Interagency Advisory Committee on Water Data

Prepared By

U.S. Department of the Interior, Geological Survey

U.S. Department of Agriculture, Soil Conservation Service

Office of Water Data Coordination

Reston, Virginia 22092

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PREFACE

The need for disseminating current information on activities in the field of sedimentation was proposed by the chairman of the Federal Interagency River Basin Committee's Subcommittee on Sedimentation shortly after the subcommittee was formed in May 1946. At the fifth meeting of the subcommittee on September 17, 1946, the members approved this proposal and agreed to the issuance of a quarterly report as one means of effecting better coordination of the work of various Federal Agencies in the field of sedimentation.

Quarterly reports were issued during the period of July 1, 1946, through June 30, 1947, when the reporting period was changed to a 6-month period, and semiannual reports were issued through 1953. Starting in 1954 and continuing through the present, these reports have been made annually and cover the activities of the Federal Agencies in the field of sedimentation on a calendar-year basis.

This report is a digest of information furnished by Federal Agencies on sedimentation investigations, both ongoing and planned. Included in the report are a review of important findings, new methodologies, new publications, laboratory and other research activities, and other pertinent information. The material is organized on the basis of the 21 water resources regions delineated by the U.S. Water Resources Council (WRC) for use in the national assessment (see figure 1). A listing by WRC region of stations at which sediment data have been obtained is given in table 3 of the appendix. Within each region, the stations are arranged according to their 8-digit hydrologic unit code. Stations for which the hydrologic unit code was not available are given at the end of the listing under "Miscellaneous." Also given in the appendix is an explanation of the column headings in the station listings, the code number and abbreviations used for State, county, and other areas (table 1), and the code for each organization reporting activities in this volume (table 2).

CONTENTS

Page

ILLUSTRATIONS

TABLES

AGENCIES REPRESENTED ON THE SUBCOMMITTEE ON SEDIMENTATION
INTERAGENCY ADVISORY COMMITTEE ON WATER DATA

DEPARTMENT OF AGRICULTURE
* Forest Service
* Science and Education Administration
*Soil Conservation Service

DEPARTMENT OF THE ARMY
*Corps of Engineers

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission

DEPARTMENT OF THE INTERIOR
Bureau of Mines
*Bureau of Reclamation
*Geological Survey

DEPARTMENT OF TRANSPORTATION
*Federal Highway Administration

*TENNESSEE VALLEY AUTHORITY

*Participating agencies in "Notes on Sedimentation Activities"

ROSTER
SUBCOMMITTEE ON SEDIMENTATION
Interagency Advisory Committee on Water Data
April 2, 1980

DEPARTMENT OF AGRICULTURE

John N. Holeman (Chairman)
Soil Conservation Service
Room 5247, South Agriculture Bldg.
P.O. Box 2890
Washington, D.C. 20013
Com 447-2629
FTS 447-2629

William F. Mildner (Alternate)
Soil Conservation Service
10,000 Aerospace Road
Lanham, Maryland 20801
Com 436-7810
FTS 436-7810

Jimmy Williams (Acting Member)
Science & Education Administration-AR
National Program Staff
Room 40, Bldg. 005-BARC-W
Beltsville, Maryland 20705
Com 344-4034
FTS 344-4034

James E. Eggleston (Member)
Hydrologist, Area Planning & Development
Forest Service, USDA, Room 4207
P.O. Box 2417
Washington, D.C. 20013
Com 447-7403
FTS 447-7403

DEPARTMENT OF THE ARMY

Shapur A. "Shap" Zanganeh (Member)
Corps of Engineers
DAEN-CWE-HY
Washington, D.C. 20314
Com 272-0224

Yung H. Kuo (Alternate)
Corps of Engineers
DAEN-CWE-HY
Washington, D.C. 20314
Com 272-0224
FTS 272-0224

DEPARTMENT OF THE INTERIOR

James K. Culbertson (Member)
U.S. Geological Survey
National Center Mail Stop 412
12201 Sunrise Valley Drive
Reston, Virginia 22092
Com 860-6834

David F. Gudgel (Member)
Water & Power Resources Service
Department of the Interior
Room 7451
Washington, D.C. 20240
Com 343-5275
FTS 343-5275

Wilton Johnson (Member)
Bureau of Mines
Div. of Min'l. Land Assessment
2401 E. Street N.W.
Washington, D.C. 20241
Com 634-1285

Jose' R. Del Rio (Member)
Office of Surface Mining
Room 118, So. Interior Bldg.
1951 Constitution Ave., N.W.
Washington, D.C. 20245
Com 343-4022
FTS 343-4022

DEPARTMENT OF COMMERCE

Richard B. Perry (Member)
National Ocean Survey, NOAA
6001 Executive Blvd. Cx43
Rockville, Maryland 20852
Com 443-8154
FTS 443-8154

David B. Duane (Alternate)
National Sea Grant Program
NOAA, Room 606
6010 Executive Blvd.
Rockville, Maryland 20852
Com 443-8894
FTS 443-8894

DEPARTMENT OF ENERGY

Shou-Shan Fan (Member)
Regulatory Analysis
Room 3000
Fed'l Energy Regulator Comm.
825 N. Capitol Street N.W.
Washington, D.C. 20426
Com 357-8292

John Mathur (Member)
Regional Assessment Division
Energy Research & Development Admin.
Mailstop E-201
Washington, D.C. 20545
Com 353-5898

TENNESSEE VALLEY AUTHORITY

Claude H. Smith (Member)
Tennessee Valley Authority
Data Services Branch
350 Evans Bldg.
Knoxville, Tennessee 37902
Com 615-632-3295
FTS 856-3295

Carl D. (Don) Eklund (Alternate)
Tennessee Valley Authority
Data Services Branch
329 Evans Bldg.
Knoxville, Tennessee 37902
Com 615-632-3287
FTS 856-3287

DEPARTMENT OF TRANSPORTATION

Murray L. Corry (Member)
FHWA
Room 3113 Nassif Bldg.
400 7th Street, S.W.
Washington, D.C. 20590
Com 472-7690

D.C. "Charlie" Woo (Alternate)
FHWA (HRS-42)
Room 6320 Nassif Bldg.
400 7th St., S.W.
Washington, D.C. 20590
Com 426-4980

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

Truman Goins (Member)
Office of Environmental Quality
7270 Room HUD Bldg.
451 7th St., S.W.
Washington, D.C. 20410
Com. 755-6296

ENVIRONMENTAL PROTECTION AGENCY

Robert E. Thronson (Inactive)
Office of Water Program Operations (WH-448)
Room 2417-D, Waterside Mall
EPA
Washington, D.C. 20460
Com 755-4913

NEW ENGLAND REGION

CORPS OF ENGINEERS

New England Division

Report on sedimentation and erosion activities in the New England Division is as follows:

1. Black Rock Lake, Connecticut. Reforestation efforts are now complete (11,000 seedlings) on a large borrow area which has been the major contributor to lake sedimentation. Since 1975, 7500 c.y. of sediment have been removed. This reforestation project is expected to greatly reduce the sediment problem, however, one additional silt removal action will be budgeted for in FY 84.

2. Northfield Brook Lake, Connecticut. A fall 1980 (FY 81) drawdown is planned for the removal of 3600 c.y. of sediment from the 8-acre lake. Sources contributing to this sediment problem have declined to a negligible rate, and it is anticipated that this planned removal should be the last for at least ten years.

3. Hop Brook Lake, Connecticut. A complete approach to sediment and water quality problems at Hop Brook's 21-acre lake has been implemented to reduce sediment, improve the water resource, fishery and recreational value: Under the provisions of a contract awarded in FY 79, covering the sale of 160,000 c.y. of sand and gravel, the buyer commenced work on a three year, overall deepening and lake bed restructuring project to our specifications. At the end of this, the second season, approximately 90,000 c.y. of sand and gravel have been removed.

4. North Hartland Lake, Vermont. The feasibility of removing silt which has accumulated along lakeshore areas as a result of bank slumping is still being considered. The planting of vegetation to halt erosion and further slumping is scheduled for this spring.

5. North Springfield Lake, Vermont. Sedimentation at the confluence of the Black River's North Branch and the recreation pool at Stoughton Pond will be removed after a plan for draining the pool is finalized. The ogee weir that serves as the pool's outlet must be modified. Routine maintenance may then be applied to the silt removal.

6. Otter Brook Lake, New Hampshire. A continuing silt removal project of approximately 1500 c.y. will be performed this year, to maintain a desirable current pattern that will help to keep the bathing area clean.

7. Townshend Lake, Vermont. Annual silt removal is budgeted for accumulations around the beach area. Debris removal from below the log boom is scheduled for FY 82. Accumulations around the boat ramp are being studied for possible removal through sale or contract.

8. Littleville Lake, Massachusetts. Sedimentation along the channel from the Dayville Boat Ramp to the lake has not yet been removed. An estimated 45,000 c.y. of sediment have filled the 300 to 400 foot long, 50 foot wide channel to a depth of 3 feet. Turbidity and boating problems have resulted. Budget request has been submitted for approval for FY 82 removal.

NEW ENGLAND REGION

GEOLOGICAL SURVEY

St. John Subregion

1. Suspended-sediment data are being collected on a monthly basis at Aroostook River at Caribou, Maine, and at St. John River near Van Buren, Maine, as a part of the National Stream Quality Accounting Network (NASQAN).

Penobscot Subregion

1. Suspended-sediment data are being collected on a monthly basis at Penobscot River at Eddington, Maine, (relocated from West Enfield) as a part of NASQAN.

Androscoggin Subregion

1. Suspended-sediment data are being collected on a monthly basis at Kennebec River near North Sidney, Maine, (relocated from Bingham) and at Androscoggin River at Brunswick, Maine, as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis for the U.S. Corps of Engineers at Wild River at Gilead, Maine, as a part of the National Hydrologic Benchmark Network.

Maine Coastal Subregion

1. Suspended-sediment data are being collected on a monthly basis at St. Croix River at Milltown, Maine, and at Narraguagus River at Cherryfield, Maine, as a part of NASQAN.

Saco Subregion

1. Suspended-sediment data are being collected on a monthly basis at Saco River at Cornish, Maine, and at Presumpscot River near West Falmouth, Maine, as a part of NASQAN.

Merrimack Subregion

1. Suspended-sediment data are being collected on a monthly basis at Merrimack River above Lowell, Mass., as a part of NASQAN.

Connecticut Subregion

1. Suspended-sediment data are being collected on a monthly basis at Connecticut River at North Walpole, N.H., and at Connecticut River at Thompsonville, Conn., as a part of NASQAN.

Massachusetts-Rhode Island Coastal Subregion

1. Suspended-sediment data are being collected on a monthly basis at Charles River at Dover, Mass., Blackstone River at Millville, Maine, and at Pawcatuck River at Westerly, R.I., as a part of NASQAN.

Connecticut Coastal Subregion

1. Suspended-sediment data are being collected on a monthly basis at Black River at Coventry, Vt., Housatonic River at Stevenson, Conn., Shetucket River at South Windham, Conn., and at Quinebaug River at Jewett City, Conn. as a part of NASQAN.

2. Suspended-sedient data are being collected on approximately a daily basis at Yantic River at Yantic, Conn., to determine daily sediment loads.

Special Studies

1. Sediment data are being collected on approximately a daily basis at Housatonic River at Great Barrington, Mass., Housatonic River at Falls Village, Conn., and Housatonic River at Gaylordsville, Conn., as part of a study to determine the quantity, distribution, and method of transport of PCB in the Housatonic River. The study is being done in cooperation with the State of Connecticut Department of Environmental Protection.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
135 High Street, Room 235
Hartford, CT 06103

District Chief, WRD
U.S. Geological Survey
150 Causeway Street, Suite 1001
Boston, MA 02114

SOIL CONSERVATION SERVICE

1. Studies of sediment damages and determinations of sediment yields were made for work plans in the following watersheds:

   a. River Basin Investigations

      (1) SCS-Maine, in cooperation with the Statewide USDA 208 committee, completed a "Study of Non-point Agricultural Pollution" (SNAP) to identify: the location, extent, and kind of agricultural practices causing soil erosion. One phase of this study included computation of soil erosion rates on all cropland fields over 10 acres in size in the state. A statewide summary report and individual reports for each of the state's 16 Soil and Water Conservation Districts were prepared.

      (2) SCS-Maine completed Phase I of the SCS National Erosion Inventory, which was an inventory of land use and sheet and rill erosion rates. Results of this inventory were published in August 1979, in "A Profile of Maine's Soil and Water Resources from the National Resources Inventories, 1977, Phase I, Land and Use and Sheet and Rill Erosion."

      (3) Field work was completed and data was submitted for Phase II of the above inventory, which covered gully, streambank, construction site, and road bank erosion. Results are expected to be published in 1980.

2. Reservoir Sediment Deposition Surveys

   a. A sedimentation survey was conducted on a multi-purpose PL-566 reservoir, Violette Brook Site 2, Van Buren, Aroostook County, Maine in June 1979. The original survey was done in 1974. Sediment accumulations have not yet been computed.

   b. Original capacity computations were made on the Presque Isle Stream Site 7, Hanson Lake, Aroostook County, Maine in October 1979.

   c. A reservoir sedimentation survey was made on the Lake Kennedy-Forest City RAMP Project in Susquehanna County Pennsylvania.

   d. A reservoir sedimentation survey was made on Furnace Brook-Site #2 in Warren County, New Jersey.

MID ATLANTIC REGION

CORPS OF ENGINEERS

North Atlantic Division

Baltimore District

The following data are on accumulated sediment, collected during 1979. The data are records of the material removed during routine maintenance of flood control projects.

Project Location	Stream	Sediment Removal	Sediment Removed During 1979 (CU YDS)
Almond Dam, NY	Canacadea Cr.	Rt. 21 Br.	1,500
Arkport Dam, NY	Canisteo River	Intake channel	4,201
Binghampton, NY	Pierce Creek	Channel above paved channel	1,950
		Belden Street drop structure and channel below	1,190
Canisteo, NY	Purdy Creek	Check Dam	5,294
		Confluence with Bennett Creek	2,485
Corning, NY	Cutler Creek	Above upper drop structure	1,272
Hornell, NY	Chauncey Run	Check dams	600
	Canisteo River	Downstream of paved channel and Cedar Street	448
	Crosby Creek	Check dam & channel above	4,164
		At confluence with Canisteo River	296
Lisle, NY	Dudley Creek and Tioughnioga River	Channel at confluence	1,790
Whitney Point, NY	Tioughnioga River	Channel	5,254

New York District

The District Conducted sediment tests at the following locations:

Project Name	Bioassay**	Bioaccumulation	Grain Size
Gowanus Creek Channel*	X	X	X
Westchester Creek*	X	X	X
Newtown Creek*	X	X	X
Newark Bay*	X	X	X
Mamaroneck Harbor*	X	X	X
Passaic River	X	X	X
Bronx River*	X	X	X
Edgewater - Weehawken*	X	X	X
Dutch Kills*	X	X	X
Raritan River - N*	X	X	X
Raritan River - S*	X	X	X
Raritan Bay*	X	X	X
Raritan River Cutoff*	X	X	X
Kill Van Kull*	X	X	X
Sandy Hook Bay*	X	X	X
Sandy Hook Leonardo*	X	X	X
N. Shooters Is.*	X	X	X
Red Hook Anchorage*	X	X	X

*Navigation Project

**The bioassay of appropriate sensitive marine organisms can be used as an aid in evaluating the importance of dissolved chemical constituents released from the sediment during disposal operations. This procedure can also be used to evaluate the effect of suspended particulate matter that is present in the water column for certain periods of time during disposal of dredged material. A series of experimental treatments and controls are established using the liquid phase or suspended particulate phase of the dredged material and disposal site water. The test organisms are added to the test chambers and incubated under standard conditions for a prescribed period of time. The surviving organisms are examined at appropriate intervals to determine if the test material is producing an effect.

Philadelphia District

District sedimentation activities during 1979 were as follows:

1. Continued financial support of the United States Geological Survey for the collection of sediment data at:

(a) Delaware River at Trenton, New Jersey.

(b) Schuylkill River at Berne, Pennsylvania.

(c) Schuylkill River at Philadelphia, Pennsylvania.

(d) Tulpehocken Creek at Blue Marsh Damsite Post-Impoundment Studies.

2. Up-dated Sediment Surveys of District Reservoir projects:

(a) Prompton Lake.

(b) Beltzville Lake.

3. Initial Sediment Survey Range lines at Blue Marsh Lake (setting of baseline conditions).

MID ATLANTIC REGION

GEOLOGICAL SURVEY

Richelieu Subregion

1. Suspended-sediment data are being collected on a periodic basis at Richelieu River (Lake Champlain) at Rouses Point, N.Y., as a part of the National Stream Quality Accounting Network (NASQAN).

Upper Hudson Subregion

1. Suspended-sediment data are being collected on a daily basis at Hudson River at Stillwater, N.Y., and Hudson River at Waterford, N.Y., in cooperation with the New York State Department of Environmental Conservation. Sediment data collected on a daily basis at Mohawk River at Cohoes, N.Y., was discontinued September 30, 1979. Collection of sediment data at Hudson River at Rogers Island at Ft. Edward, N.Y., and Hudson River at Schuylerville, N.Y., was reduced from daily to periodic basis on September 30, 1979.

2. Suspended-sediment data are being collected on a periodic basis at Hudson River at Glens Falls, N.Y., in cooperation with the New York State Department of Environmental Conservation (discontinued September 30, 1979).

3. Suspended-sediment data are being collected on a periodic basis at Hudson River at Green Island, N.Y., as a part of NASQAN.

4. Suspended-sediment are being collected on a periodic basis at Esopus Creek at Shandaken, N.Y., as a part of the National Hydrologic Benchmark Network.

5. Suspended-sediment data are being collected on a periodic basis at Hudson River at Castleton-on-Hudson, N.Y., Hudson River at Catskill, N.Y., Hudson River at Staatsburg, N.Y., Hudson River at Clinton Point near New Hajburg, N.Y., and Hudson River at Highland Falls, N.Y., in cooperation with New York Department of Environmental Conservation.

Lower Hudson-Long Island Subregion

1. Suspended-sediment data are being collected at Passaic River at Little Falls, N.J., Raritan River near South Bound Brook, N.J., Peconic River at Riverhead, N.Y., Nissequoque River near Smithtown, N.Y., and at Carmans River at Yaphawk, N.Y., as a part of NASQAN.

2. Suspended-sediment data are being collected twice monthly at Passaic River at Singac, N.J., and Passaic River at Elmwood Park, N.J., as part of the Environmental Protection Agency's National Water Quality Surveillance System program.

Delaware Subregion

1. Suspended-sediment data are being collected on a monthly basis at Toms River near Toms River, N.J., Maurice River at Norman, N.J., and West Branch Wading River at Maxwell, N.J., and on a daily basis at Delaware River at Trenton, N.J., as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at McDonalds Branch in Lebanon State Forest, N.J., as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected on a daily basis at Brandywine Creek at Wilmington, Del., in cooperation with the Delaware Geological Survey.

4. Suspended-sediment data are being collected on a daily basis at two sites on the Schuylkill River, Berne and Philadelphia (Manayunk), Pa. The data will be anaylzed by the U. S. Corps of Engineers to evaluate the Delaware River dredging programs. Sediment data are also being collected on a daily and storm basis on Schuylkill River near Landingville, Penn., to determine storm and daily sediment discharge rates.

Susquehanna Subregion

1. Suspended-sediment data are being collected on a daily basis at Switzer Creek near Cohocton, N.Y., and with an automatic sampler to provide additional data during high flow. Data are collected in cooperation with the Susquehana River Basin Commission.

2. Suspended-sediment data are being collected on a monthly and storm event basis at Young Womens Creek near Renovo, Penn., as part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected at Juniata River at Newport, Penn., as a Federal sediment index station.

4. Suspended-sediment data are being collected on a daily basis at Tioga River at Lindley, N.Y., in cooperation with the U.S. Corps of Engineers.

5. Suspended-sediment data are being collected on a daily basis at Susquehanna River at Conowingo, Md., for the Environmental Protection Agency's Chesapeake Bay Program and as a part of NASQAN.

Upper Chesapeake Subregion

1. Suspended-sediment data are being collected on a montly basis at Chestank River near Greensboro, Md., and at Patuxent River near Bowie, Md., as a part of NASQAN.

Potomac Subregion

1. Suspended-sediment data are being collected on a monthly basis at the following stations as part of the hydrologic assessment of the Eastern Coal Province:

   a. North Branch Potomac River at Steyer, Md.
   b. Savage River below Savage River Dam near Bloomington, Md.
   c. Georges Creek at Franklin, Md.
   d. North Branch Potomac River at Pinto, Md.
   e. Wills Creek near Cumberland, Md.

2. Suspended-sediment data are being collected on a daily basis at North Branch Potomac River near Cumberland, Md., and at Monacacy River at Reichs Ford Bridge near Frederick, Md., in cooperation with the Maryland Geological Survey.

3. Suspended-sediment data are being collected on a daily basis at Conococheague Creek at Fairview, Md., and at Potomac River at Point of Rocks, Md., as a part of the Federal CBR program.

4. Suspended-sediment data are being collected at Potomac River at Shepherdstown, W.Va., and Shenandoah River at Millville, W.Va., as a part of NASQAN.

5. Suspended-sediment data are being collected on a monthly basis at Lost River at McCauley near Baker, W. Va., for the U.S. Soil Conservation Service (discontinued September 30, 1979).

6. Suspended-sediment data are being collected on a monthly basis at North Fork of South Fork Potomac River at Cabin, W.Va., and at Abram Creek at Highway 50 Bridge near Mount Storm, W.Va., as part of the Coal Hydrology Program.

7. Suspended-sediment data are being collected on a daily basis at Potomac River at Chain Bridge, Washington, D.C., for the Environmental Protection Agency's Chesapeake Bay Program, and as part of NASQAN.

Lower Chesapeake Subregion

1. Suspended-sediment data are being collected on a daily basis on Rappahanock River at Remington, Va., as a Federal sediment index station.

Special Studies

1. A study of non-point sources of sediment, nutrients, and pesticides was started during the 1977 water year in the Pequea Creek Basin in Lancaster County, Pennsylvania. Data collection which continued through the 1978 water year includes the operation of an automatic suspended-sediment sampler on the Pequea Creek at Martic Forge. The study is in cooperation with the Susquehanna River Basin Commission, and has the support of the Chesapeake Bay Program.

2. Sediment data were collected during the 1978 and 1979 water years at three sites in Northern Pennsylvania. The data were collected as part of a study to evaluate the effects of surface mining operations on the Babb Creek basin. The study is in cooperation with USGS-OACR.

3. The basic suspended-sediment sampling network of 210 stations established by the New Jersey District is carried out in cooperation with the U.S. Corps of Engineers, N.J. Department of Environmental Protection, and the N.J. Department of Agriculture, Soil Conservation Service. Suspended-sediment samples are collected six to eight times a year.

4. Collection of sediment data was obtained at the Coastal Plain Index Station at Great Egg Harbor River at Folsom, N.J., normally at a frequency of twice weekly and twice daily during runoff conditions. This work is being done as part of the Federal CBR program to determine trends and the general hydrologic conditions.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Carroll Building, Room 208
8600 LaSalle Road
Towson, MD 21204

District Chief, WRD
U.S. Geological Survey
P.O. Box 1350
U.S. Post Office and
Courthouse Building, Room 304
Albany, NY 12201

District Chief, WRD
U.S. Geological Survey
P.O. Box 1238
Federal Building, Room 436
Trenton, NJ 08607

District Chief, WRD
U.S. Geological Survey
200 Grace Street, Room 304
Richmond, VA 23220

District Chief, WRD
U.S. Geological Survey
Federal Building and U.S.
Courthouse
Room 3017
500 Quarrier Street
East Charleston, WV 25301

District Chief, WRD
U.S. Geological Survey
Post Office Box 1107
4th Floor, Federal Building
228 Walnut Street
Harrisburg, PA 17108

SOUTH ATLANTIC-GULF REGION

CORPS OF ENGINEERS

South Atlantic Division

Charleston District

A sedimentation report for W. Kerr Scott Reservoir is being compiled by the Charleston District. All data has been gathered and computations have been made. The report is scheduled to be released during March 1980.

Jacksonville District

Suspended sediment measurements were made monthly on Rio Fajardo Basin in Puerto Rico.

Mobile District

Sedimentation Range Network Monitoring

1. The sedimentation range networks in the Demopolis and Gainesville Projects were resurveyed during the year. These projects are located on the Tombigbee River and are a part of the Tennessee-Tombigbee Waterway.

2. Complete network resurveys of the projects are made annually to provide data for a cooperative study that is being conducted by this office and the Waterways Experiment Station at Vicksburg, Mississippi.

3. In addition, resurveys of selected ranges are being conducted at 6 month intervals to supplement the data collected annually.

Sedimentation Design Memoranda

1. The sedimentation design memorandum for the Aberdeen Lock and Dam project was completed and approved on 17 September 1979.

2. Work has progressed during 1979 on the sedimentation design memorandum for the Canal Section Project. This memorandum is the fifth in a series of five for the Tennessee-Tombigbee Waterway.

Sedimentation Studies

1. The on-going study to determine the natural sedimentation characteristics of the Tibbee River and its tributaries continued through 1979 and probably will be completed in 1980.

2. The analysis to determine the erosion rates, deposition, and predicted future effects to six Alabama Power Company dams by the proposed construction of the Coosa River Waterway continued, but without much progress due to the limitation of man-hours available.

3. Plans were formulated to conduct a study of the lower Tombigbee and Alabama Rivers and the Mobile River Delta. This plan is being implemented in 1980 with emphasis on the sedimentation load being deposited in the delta and amount being passed into Mobile Bay.

Suspended Sediment Investigations

1. During the year data were collected on a daily basis from four locations, on the Tombigbee River, at Columbus, Aberdeen, Amory, and Fulton, Mississippi. Additionally, suspended sediment samples were obtained at about 5-week intervals at 20 stations located in the Tombigbee River basin. Three stations were discontinued during 1979 - Tombigbee River above Columbus, MS, Town Creek above Amory, MS and Alabama River at Clairborne, AL. The 1978 report stated that this office discontinued the collection of data at three stations - North Abbott and Trebloc on Houlka Creek and Mayhew on Catalpa Creek, however this function was resumed in 1979.

2. Progress is being made on installing permanent suspended sediment monitors on dams located in the Tenn-Tom Project area. It is anticipated that collection of data at 3 dams will begin in 1980 and will become part of the process for monitoring post-project sedimentation effects of the Tennessee-Tombigbee Waterway.

Savannah District

Core sediment samples were gathered in Hartwell and Clark Hill Lakes on 20-23 March 1979 and analyzed for iron, manganese, phosphorous, and mercury. A list of the sampling stations is as follows:

Chauga River at Highway 123
Keowee River at County Road 291
Twelve Mile Creek at Highway 15
Seneca River at Highway 93
Seneca River Between Martin Creek and Coneross Creek
Tugaloo River at I-85
Seneca River at I-85
Twelve Mile Creek at I-85
Savannah River at Junction of Tugaloo and Seneca Rivers
Savannah River at Richard B. Russell damsite
Long Cane Creek at Highway 28
Savannah River at Highway 378
Little River at Highway 378
Broad River at Highway 77
Savannah River at Confluence with Fishing Creek
Fishing Creek at Highway 77
Little River at Highway 47
Little River at Highway 43
Hart Creek near Big Hart Park
Little River at Confluence with Kemp Creek
Savannah River near Modoc, SC
Savannah River at Confluence with Little River, GA

Wilmington District

Sedimentation Surveys

1. John R. Kerr Dam and Reservoir, Roanoke River, VA and NC. The sedimentation ranges at Kerr were resurveyed during 1976 in order to determine the amount of storage lost to sedimentation since the last survey was made in 1959-60. Equipment used was a 17-foot fiberglass boat, a Raytheon Model 719-B Fathometer with narrow beam transducer, an Interspace Technology Model 412 Digitizer, a Systron-Donner Model 5103 digital printer and a Tellurometer Model CA-1000-D range meter. A report is drafted and will be finalized just as soon as higher priority work will permit. When adjustments are made in the reservoir capacity curve, the dependable capacity of the project will be redetermined and power sales contracts modified to reflect the new dependable capacity.

2. Philpott Lake, Smith River, VA. The sedimentation ranges at Philpott were resurveyed during 1976 in order to determine the amount of storage lost to sedimentation since the last resurvey was made in 1960. Equipment was the same as listed for John H. Kerr. Preparation of a final report on the resurvey is underway. The report should be completed in 1980. The dependable capacity of Philpott will be redetermined, if necessary, but not until both Kerr and Philpott can be redetermined together.

3. B. Everett Jordan Dam and Lake, Haw River, NC. In CY 1979 a system of 57 sedimentation ranges were established across the main body and tributaries of Jordan Lake (a new unfilled lake), extending upstream as far as the upper limits of the top of the flood control pool. Ranges were monumented and vertical and horizontal survey run. Objective of the system is to be able to periodically determine the amount of sediment deposits in the lake through resurveys.

Sediment Load Measurement. Two suspended sediment sampling stations (at Randolph, VA on Roanoke River and at Paces, VA on Dan River) upstream from John H. Kerr Reservoir were operated. The data (suspended sediment, particle size, chemical analysis and temperature) were used in connection with operation and maintenance of the reservoir.

SOUTH ATLANTIC-GULF REGION

GEOLOGICAL SURVEY

Chowan-Roanoke Subregion

1. Suspended-sediment data are being collected daily during flood events and at 7-day intervals for periods of medium to low flows at Dan River at Paces, Va., and at Roanoke River at Randolph, Va., in cooperation with the U.S. Corps of Engineers.

2. Suspended-sediment data are collected monthly at Roanoke River at Roanoke Rapids, N.C., as part of the National Stream Quality Accounting Network (NASQAN).

Neuse-Pamlico Subregion

1. Suspended-sediment data are being collected on a daily basis at the main station on the Chicod Creek and on a monthly basis at three sites in the Chicod Creek watershed near Grimesland, N.C., in cooperation with the U.S. Soil Conservation Service. Automatic sediment samplers were installed at two in-stream sediment traps to determine settling characteristics of the traps. Cross-sectional surveys of the traps were made immediately following major storms to determine the amounts of sediment deposited by high flows.

2. Suspended-sediment data are collected monthly at three sites as part of NASQAN.

Cape Fear Subregion

1. Suspended-sediment data are being collected at Black River at Dunn, N.C. to determine effects on stream characteristics by channel construction. This is being done in cooperation with the U.S. Corps of Engineers.

2. Suspended-sediment data are collected monthly on the Cape Fear River at Lock 1 as part of the NASQAN program.

Pee Dee Subregion

1. Suspended-sediment data are being collected on a monthly basis at Scape Ore Swamp near Bishopville, S.C., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a monthly basis at Lynches River at Effingham, S.C., Black River at Kingstree, S.C., Pee Dee River at Pee Dee, S.C., and at Pee Dee River near Rockingham, N.C., as a part of NASQAN.

3. Suspended-sediment data are being collected at the Yadkin River at Yadkin College, N.C., as a Federal Sediment Index Station.

Santee-Edisto Subregion

1. Suspended-sediment data are being collected on a monthly basis at Lakes Marion - Moultrie Diversion Canal near Pineville, S.C., at Edisto River near Givhans, S.C., and at Coosawhatchie River near Hampton, S.C., as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at Crawl Creek near Pineville, S.C., Santee River below St. Stephens, S.C. This is being done in cooperation with the U.S. Corps of Engineers.

Ogeechee-Savannah Subregion

1. Suspended-sediment data are being collected on a monthly basis at Upper Three Runs near New Ellenton, S.C., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a monthly basis at Savannah River near Clyo, Ga., and at Ogeechee River near Eden, Ga., as a part of NASQAN.

3. Suspended-sediment data are being collected on a periodic basis at Brier Creek near Wagesboro, Ga., in cooperation with the Georgia Geologic Survey.

Altamaha-St. Marys Subregion

1. Suspended-sediment data are being collected on a monthly basis at Falling Creek near Juliette, Ga., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a monthly basis at Altamaha River near Everett City, Ga., at Satilla River at Atkinson, Ga., and at one site in Florida as a part of NASQAN.

3. Suspended-sediment data are being collected at South River near McDonough, Ga., at Yellow River near Covington, Ga., at Pates Creek near Flippin, Ga., Ohoope River near Reidsville, Ga., Penholoway Creek near Jessup, Ga., and at Little Satilla River near Offerman, Ga., in cooperation with the Georgia Geologic Survey Division.

St. Johns Subregion

1. Suspended-sediment data are being collected on a periodic basis at three sites in Florida as a part of NASQAN.

Southern Florida Subregion

1. Suspended-sediment data are being collected on a periodic basis at seven sites in Florida as a part of NASQAN.

Peace-Tampa Bay Subregion

1. Suspended-sediment data are being collected on a periodic basis at five sites in Florida as a part of NASQAN.

Suwannee Subregion

1. Suspended-sediment data are being collected on a monthly basis at four sites in Florida as a part of NASQAN.

Ochlockonee Subregion

1. Suspended-sediment data are being collected on a monthly basis at two sites in Florida as a part of NASQAN.

2. Suspended-sediment data are being collected on a periodic basis at one site in Florida as a part of the National Hydrologic Benchmark Network.

Apalachicola Subregion

1. Suspended-sediment data are being collected on a monthly basis at three sites in Florida as a part of NASQAN.

2. Suspended-sediment data are being collected on a periodic basis at Chattahoochee River near Cornelia, Ga., at Sweetwater Creek near Austell, Ga., at Upatoi Creek near Columbus, Ga., in cooperation with the Georgia Geologic Survey.

Choctawhatchee-Escambia Subregion

1. Suspended-sediment data are being collected on a monthly basis at four sites in Florida as a part of NASQAN.

Alabama Subregion

1. Suspended-sediment data are being collected on a periodic basis at Coosawattee River near Ellijay, Ga., Holly Creek near Chatsworth, Ga., and West Armuchee Creek near Subligna, Ga., in cooperation with the Georgia Geologic Survey.

2. Suspended-sediment data are being collected in the Upper Coosa River basin at two sites on a monthly basis and at ten sites on a quarterly basis as part of the OSM Coal Hydrology study in Georgia.

3. Suspended-sediment data are being collected on a monthly basis at Alabama River at Montgomery, Ala., and at Alabama River at Claiborne, Ala., as a part of NASQAN.

Mobile-Tombigbee Subregion

1. Suspended-sediment data are being collected on a monthly basis at Tombigbee River at Gainesville, Ala., and at Tombigbee River at Coffeeville lock and dam, Ala., and at Black Warrior River below Warrior Dam near Eutaw, Ala., as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at Sipsey Fork near Grayson, Ala., as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected by an automatic pumping sampler at Mackeys Creek near Dennis, Miss., in cooperation with the U.S. Corps of Engineers, to estimate the impact of sediment loads on the Tennessee-Tombigbee Waterway.

Pascagoula Subregion

1. Suspended-sediment data are being collected on a monthly basis at Pascagoula River near Benndale, Miss., and at Wolf Creek near Landon, Miss., as a part of NASQAN.

2. Suspended-sediment data are being collected on a bimonthly basis at Cypress Creek near Janice, Miss., as a part of the National Hydrologic Benchmark Network.

Pearl Subregion

1. Suspended-sediment data are being collected on a daily basis at Pearl River near Bogulusa, La., as a part of the Federal CBR program.

2. Suspended-sediment data are being collected on a monthly basis at Bogue Chitto River near Bush, La., as a part of NASQAN.

Special Studies

1. Suspended-sediment sampling by an automatic sampler was continued on Yellow Creek near Northport, Ala., and on Bear Creek near Samantha, Ala., as part of a study of coal-mine hydrology in cooperation with the Bureau of Land Management. Samples were collected monthly and during flood events at three additional sites in the Yellow Creek basin, one additional site in the Bear Creek basin, one site on Turkey Creek (Tuscaloosa County) near Tuscaloosa, Ala, and one site on Turkey Creek east of Samantha, Ala.

2. Suspended-sediment sampling by an automatic sampler was continued on Trinity Creek near Carbon Hill, Ala., and on Blue Creek near Oakman, Ala.

3. Suspended-sediment sampling during storm events was continued in two agricultural basins in southwest Georgia in conjunction with an ongoing study of the effects of agricultural runoff on receiving waters.

4. Suspended-sediment sampling by automatic pumping sampler was started on Dorsey Creek near Arkadelphia, Ala., on March 1, 1979.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
P.O. Box V
Oil and Gas Board Building
Room 202
University, AL 35486

District Chief, WRD
U.S. Geological Survey
325 John Knox Road, Suite F-240
Tallahassee, FL 32303

District Chief, WRD
U.S. Geological Survey
6481 Peachtree Industrial
Boulevard, Suite B
Doraville, GA 30360

District Chief, WRD
U.S. Geological Survey
P.O. Box 66492
6554 Florida Boulevard
Baton Rouge, LA 70896

District Chief, WRD
U.S. Geological Survey
100 W. Capitol St., Suite 710
Jackson, MS 39201

District Chief, WRD
U.S. Geological Survey
P.O. Box 2857,
Century Station Post Office Building
Room 436
Raleigh, NC 27602

District Chief, WRD
U.S. Geological Survey
2001 Assembly Street, Suite 200
Columbia, SC 29201

District Chief, WRD
U.S. Geological Survey
200 West Grace Street, Room 304
Richmond, VA 23220

SOUTH ATLANTIC GULF REGION

SOIL CONSERVATION SERVICE

1. Studies of sediment damages and determinations of sediment yields were made for work plans and environmental statements for the following:

   a. Public Law 566

Major Drainage	Watershed	Stream	County	State
Rocky River	Coddle-Coldwater Dutch Buffalo	Coddle-Coldwater Dutch Buffalo	Cabarrus	NC
Northeast Cape Fear River	Limestone-Muddy Crk	Limestone-Muddy Crk	Duplin	NC
Northeast Cape Fear River	Troublesome Crk	Troublesome Crk	Rockingham	NC
Lumber River	Moss Neck Crk	Moss Neck Crk	Robeson	NC
Choctawhatchee-Escambia	Upper Choctawhatchee	Wilkerson Crk	Coffee, Dale & Geneva	AL

   b. River Basin Investigations

Major Basins	Basin Reported	State
Tar-Neuse	Tar-Neuse	NC
Yadkin-Pee Dee River	Yadkin-Pee Dee River	NC SC

2. Sedimentation Surveys

   a. Sedimentation surveys are in progress on the following PL-566 watersheds:

Major Drainage	Str. No. & Watershed	Stream	County	State
Neuse River	#13-Bear Crk	Un-Named Trib of Bear Crk	Wayne	NC
Neuse River	#1-Crabtree Crk	Sirrup-Iron	Wake	NC
Yadkin River	#10-Dutchman Crk	Un-Named Trib of Cedar Crk	Davie	NC

Yadkin River	#16-Muddy Crk	South Fork of Muddy	McDowell	NC
Yadkin River	#7A-Third Crk	Third Crk	Alexander	NC

A sediment deposition survey was completed on Twelve Mile Creek Watershed, Structure No. 12, Pickens County, South Carolina, during the evaluation period.

A reservoir sedimentation survey was performed at Lake Lahusage at the request of the Alabama Water Improvement Commission.

Major Drainage	Watershed	Stream	County	State
Upper Coosa	Little River	Little River	DeKalb Cherokee	AL

3. Other

Environmental assessments and sediment yield studies for operational projects:

Major Drainage	Watershed	Stream	County	State
Savannah River	Hudson River	Hudson River	Banks, Madison, & Franklin	GA

CORPS OF ENGINEERS

North Central Division

Buffalo District

Lake Erie Wastewater Management Study. The Water Quality Section, formerly Lake Erie Wastewater Management Study, supported sample collection and analysis at nine streams during CY 79. Three of these, Broken Sword at Nevada, Sandusky River at Bucyrus, and Sandusky River at Upper Sandusky were discontinued at the end of FY 79. Three sampling stations were reestablished at the beginning of FY 80: Sandusky River at Mexico, E. Br. Wolf Creek at Bettsville, and W. Br. Wolf Creek at Bettsville.

Suspended solids is one of several parameters measured at the sampling stations. Other parameters are Total Phosphorus, Dissolved Ortho P, Nitrate and Nitrite Nitrogen, Ammonia, Silica, Chloride, Conductivity, Suspended Solids, Total Kjeldahl Nitrogen, Metals, and Pesticides. The sampling program consists of storm event sampling rather than continuous or periodic sampling at a regular interval. The hydrographs and chemographs obtained by event sampling are being used to verify and calibrate transport and watershed computer models.

Four additional stations will be established during CY 80 at selected watersheds within the Lake Erie drainage basin. These watersheds will be demonstration areas for reduced tillage and no-till farming practices. Results of event sampling will again be used to calibrate a watershed non-point source computer model.

Cuyahoga River Restoration Study. The Cuyahoga River Restoration Study, 3rd Interim Preliminary Feasibility Report on Erosion and Sedimentation was completed in late 1979. The results of the study indicated that the majority of natural sediment reaching the harbor is contributed by diffuse nonpoint sources of erosion (primarily sheet and rill erosion) from critically eroding areas in the upland watershed. Areas identified as critically eroding represent 24,000 acres or 16 percent of the total study area. The report also presented land management programs to control sheet and rill erosion on these critically eroding areas.

Streambank erosion was determined to contribute only a small percentage of the total volume of sediment dredged annually from Cleveland Harbor. Results of the streambank erosion studies are subject to verification in Stage 3 planning.

Buffalo District continues to collect flow and sediment discharge data from the sediment sampling station on the Cuyahoga River at Independence, OH.

Lorain Harbor, OH, Navigation Study. Laboratory analysis of bottom sediment samples collected from the navigation channel and upper turning basin during 1979 is being performed to determine the composition and gradation of the sediments. This information will be used to assess relative contribution of sediment from erosion and industrial discharge. Using a Ponar sampler, a total of 12 bottom sediment samples were collected.

Sediment density measurement by means of nuclear sediment density probe. In calendar year 1979, in-situ density measurements were updated in the following projects:

City	Project	No. of Measurements	Date
Cleveland, Ohio	Cuyahoga River	39	18-19 Mar 79
Fairport, Ohio	Grand River	5	20 Mar 79
Buffalo, NY	Buffalo River	23	30 May 79
Rochester, NY	Genesee River	8	1 Jun 79
Toledo, Ohio	Entrance Channel	13	28 Aug 79

Complete reports on these studies are available.

Detroit District

Periodic Sediment measurements of beach nourishment at:

Grand Haven, Michigan
St. Joseph, Michigan
Holland, Michigan
Muskegon, Michigan

Sediment Study on Flint River at Vassar, Michigan for Flood Control Project. Seven points of sampling were done both at high flows and low flows. Determination of amount of sediment per day calculated. Work done for Corps by U.S.G.S. Data will be included in Flood Control Report for Vassar, Michigan.

GREAT LAKES REGION

GEOLOGICAL SURVEY

Western Lake Superior Subregion

1. Suspended-sediment data are being collected on a periodic and storm-event basis at Nemadji River Nr. South Superior, Wisc., at Bad River near Odanah, Wis., at Baptism River near Beaver Bay, Minn., and at St. Louis River at Scanlon, Minn., as a part of the National Stream Quality Accounting Network (NASQAN).

2. Suspended-sediment data are being collected on a daily basis by an automatic sampler at Deer Creek near Holyoke, Minn., in cooperation with the Minnesota Department of Natural Resources, Division of Waters.

3. Suspended-sediment measurements were made during floods at the following sites:

South Branch Partridge River near Babbitt, Minn.
Partridge River above Colby Lake at Hoyt, Minn.
Partridge River near Aurora, Minn.
St. Louis River near Aurora, Minn.
St. Louis River at Forbes, Minn.

Southern Lake Superior-Lake Superior Subregion

1. Suspended-sediment data are being collected on a intermittent basis at Washington Creek at Windigo (Isle Royale), Mich., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a monthly basis at Ontonagon River near Rockland, Mich., Sturgeon River near Chassell, Mich., and at Tahquamenon River near Tahquamenon, Mich., as a part of NASQAN.

Northwestern Lake Michigan Subregion

1. Suspended-sediment data are being collected on an intermittant basis at Popple River near Fence, Wis., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a periodic and storm-event basis at Fox River at Wrightstown, Wis., Ford River near Hyde, Mich., Escanaba River at Cornell, Mich., and at Menominee River near McAllister, Wis., as a part of NASQAN.

3. Suspended-sediment data are being collected on a periodic and storm-event basis for the State of Wisconsin at the following sites:

Highway 141 storm sewer at Green Bay, Wis.
Halron Oil Company storm sewer at Green Bay, Wis.
Beaver Dam Creek at Green Bay, Wis.

Southwestern Lake Michigan Subregion

1. Suspended-sediment data are being collected ona periodic and storm-event basis for the State of Wisconsin at the Onion River at Hingham, Wis., and at the Onion River near Sheboygan Falls, Wis.

2. Suspended-sediment data are being collected on a periodic and storm-event basis at Milwaukee River at Milwaukee, Wis., Manitowoc River at Manitowoc, Wis. and at Little Calumet River near McCool, Ind., as a part of NASQAN.

3. Suspended-sediment data are being collected at Trail Creek at Michigan City, Ind., and Galena River near LaPorte, Ind., for the State of Indiana.

Southeastern Lake Michigan Subregion

1. Suspended-sediment data are being collected on a weekly basis at Pigeon Creek near Angola, Ind., and at Little Elkhart River at Middleburg, Ind., for the State of Indiana.

2. Suspended-sediment data are being collected on an intermittent basis at North Branch Elkhart River at Cosperville, Ind., for the State of Indiana.

3. Suspended-sediment data are being collected on a monthly basis at Grand River at Eastmanville, Mich., St. Joseph River at Niles, Mich., and at Kalamazoo River at Saugatuck, Mich., as a part of NASQAN.

Northeastern Lake Michigan-Lake Michigan Subregion

1. Suspended-sediment data are being collected on a monthly basis at Manistique River above Manistique, Mich., at Muskegon River near Bridgeton, Mich., and at Manistee River at Manistee, Mich., as a part of NASQAN.

Northwestern Lake Huron Subregion

1. Suspended-sediment data are being collected on a monthly basis at Cheboygan River at Cheboygan, Mich., and Au Sable River near Au Sable, Mich., as a part of NASQAN.

Southwestern Lake Huron-Lake Huron Subregion

1. Suspended-sediment data are being collectd on a monthly basis at Pigeon River near Caseville, Mich., Thunder Bay River at Alpena, Mich., Rifle River near Sterling, Mich., and at Saginaw River at Saginaw, Mich., as a part of NASQAN.

St. Clair-Detroit River Subregion

1. Suspended-sediment data are being collected on a monthly basis at Clinton River at Mt. Clemons, Mich., Detroit River at Detroit, Mich., and at River Raisin near Monroe, Mich., as a part of NASQAN.

Western Lake Erie Subregion

1. Suspended-sediment data are being collected on a daily basis at Maumee River at Waterville, Ohio, in cooperation with the U.S. Corps of Engineers, and at Sandusky River near Fremont, Ohio, in cooperation with the Ohio Department of National Resources.

2. Suspended-sediment data are being collected on an intermittant basis at Cedar Creek near Cedarville, Ind., in cooperation with the State of Indiana.

Southern Lake Erie Subregion

1. Suspended-sedimient data are being collected on a daily basis at Rock River near Berea, Ohio, and at Chagrin River at Willoughby, Ohio, for the Northeast Ohio Areawide Co-ordinating Agency, and at Cuyahoga River at Old Portage, Ohio, in cooperation with the Cuyahoga County Sanitary Engineering Department (discontinued September 30, 1979).

2. Suspended-sediment data are being collected on a daily basis at Cuyahoga River at Independence, Ohio, at Big Creek at Cleveland, Ohio, and Euclid Creek near Euclid, Ohio, in cooperation with the U.S. Corps of Engineers, Buffalo District.

3. Suspended-sediment data are being collected on a daily basis at Grand River at Painseville, Ohio, in cooperation with the Ohio Department of Natural Resources.

Eastern Lake Erie-Lake Erie Subregion

1. Suspended-sediment data are being collected on a periodic basis at Cattaraugas Creek at Gowanda, N.Y., 2nd Niagara River (Lake Ontario) at Ft. Niagara, N.Y., Tonawanda Creek at Batavia, N.Y., as a part of NASQAN.

Southwestern Lake Ontario Subregion

1. Suspended-sediment data are being collected on a periodic basis at Genesee River at Charlotte Docks at Rochester, N.Y., as a part of NASQAN.

Southeastern Lake Ontario Subregion

1. Suspended-sediment data are being collected on a periodic basis at Oswego River at Lock 7 at Oswego, N.Y., and at Sandy Creek at Adams, N.Y., as a part of NASQAN.

Northeastern Lake Onta

1. Suspended-sediment data
River at Watertown, N.Y., '
River at Brasher Center, N.
Massena, N.Y., and at Oswe
NASQAN.

For additional information
region, contact the follow

District Chief, WRD
U.S. Geological Survey
1819 North Meridian Street

OHIO REGION

CORPS OF ENGINEERS

Ohio River Division

Report on sedimentation activities in the Ohio River Division for calendar year 1979 is as follows:

Sedimentation Resurveys

1. Resurvey of Martins Fork Lake was completed in 1979. Analysis of the data shows that the amount of deposition was greater than the design rate. Work is scheduled for a second resurvey following this year's flood season, pending availability of operation and maintenance funds. If the rate of deposition is continuing to be greater than the design rate, a monitoring program to define sources of inflow may be initiated. Submission of the Resurvey Report is planned in March 1980.

2. Resurvey of Wolf Creek Reservoir was completed in 1979. Ranges are being analyzed to estimate the deposition volume and compare the actual rate of deposition against the design rate. If the actual rate is significantly greater, "spudding" additional ranges may be initiated. Submission of the Resurvey Report is planned in FY 80.

3. Fishtrap Lake, Levisa Fork, Kentucky: The report on the 1978 sedimentation survey was submitted to and approved by the Ohio River Division in 1979. The 1978 resurvey of 16 sediment ranges indicated an annual sedimentation rate of 2.52 acre-feet per square mile of contributing drainage area above Fishtrap Lake for the period September 1975 to August 1978. Since the rate of sedimentation at Fishtrap Lake continues to be excessive, the Huntington District will continue monitoring sediment inflow into the lake.

4. Dewey Lake, Johns Creek, Kentucky: The report on the 1978 sedimentation survey was submitted to and approved by the Ohio River Division in 1979. The 1978 resurvey of 18 sediment ranges indicated an annual sedimentation rate of 0.82 acre-foot per square mile of contributing drainage area for the 2.71-year period from November 1975 to July 1978. Since the indicated rate of sedimentation for the period between the 1975 and the 1978 resurveys is greater than for the previous periods investigated, monitoring of sediment inflow into Dewey Lake is recommended to continue.

5. Sutton Lake, Elk River, West Virginia: A sedimentation reconnaissance survey of Sutton Lake was completed in 1979. A report on this reconnaissance investigation was submitted to and approved by Ohio River Division in 1979.

6. Paint Creek Lake, Paint Creek, Ohio: A resurvey of 12 sediment ranges at Paint Creek Lake was completed in 1979 and a report on the results of this latest resurvey is scheduled to be completed by the Huntington District in 1981.

7. Piedmont Lake, Stillwater Creek, Ohio: A resurvey of nine sediment ranges at Piedmont Lake was completed in 1979. The report on the results of this latest resurvey is scheduled to be completed by the Huntington District in 1981.

8. The J. Percy Priest Reservior Resurvey Report was completed and approved in 1979.

Initial Range Surveys and Range Layouts.

1. One Category "C" sediment range below Piedmont Dam was established and a profile along the range obtained in 1979.

2. Dillon Lake, Licking River, Ohio: Three Category "C" sediment ranges below Dillon Dam were established and profiles along the ranges obtained in 1979.

3. Layout and initial survey of sedimentation ranges at Taylorsville Lake are underway.

4. The initial survey of Laurel River Reservoir and the report "Design Memorandum No. 9, Reservoir Sedimentation Ranges, Laurel River Reservoir, Supplement" was completed and approved by Division in 1979.

5. Tennessee-Tombigbee Waterway, Bay Springs. Establishment of base sedimentation ranges and control surveys is presently underway. Submission of the Sediment Design Memorandum "Canal and Reservoir Sediment Range Survey N-16" is scheduled for October 1980.

Sediment Load Measurements.

1. A full-section sediment station is being operated on the Ohio River by U.S.G.S. at Louisville. They are gaging suspended sediment. Some bottom flow samples will be taken. Mr. Russell Flint, the program manager, has measured an unexpected large volume of sand-size (0.062 mm+) particles in the suspended samples.

2. Big South Fork Recreation Area.

(a) Construction has been completed of water quality and sediment monitoring stations at Big South Fork near Stearns and Clear Fork near Robbins. Monitoring at these stations is to begin soon.

(b) An additional water quality and sediment monitoring station is planned for Big South Fork at Leatherwood Ford. The gage house is to be incorporated in the bridge abutment of the new Leatherwood Ford Bridge.

3. Fishtrap Lake, Levisa Fork, Kentucky and Dewey Lake, Johns Creek, Kentucky: Suspended sediment data were collected by the U.S. Geological Survey in cooperation with the Huntington District at Levisa Fork at Big Rock, Virginia and Johns Creek at Meta, Kentucky, gaging stations. The Huntington District collected suspended sediment data on four tributary streams in the Fishtrap Lake drainage basin, and on three tributary streams in the Dewey Lake drainage basin during 1979.

4. R. D. Bailey Lake, Guyandot River, West Virginia: The sediment monitoring program, being conducted in cooperation with the U.S. Geological Survey at R. D. Bailey Lake, was modified in 1979. Sediment data were collected by the Huntington District at the Clear Fork and Indian Creek monitoring stations during 1979. The U.S. Geological Survey collected sediment data at the Guyandot River near Baileysville, West Virginia, monitoring station through 30 September 1979. After that date, the Huntington District operated the Baileysville monitoring station.

5. The Huntington District discontinued participation with the U.S. Geological Survey in the collection of suspended sediment data at the Tug Fork at Glenhayes, West Virginia, and the Levisa Fork at Paintsville, Kentucky, gaging stations at the close of calendar year 1978. Data collected at these two stations are being used in the development of a mathematical model of the lower reach of the Big Sandy River by the Waterways Experiment Station at Vicksburg, Mississippi. The Big Sandy River discharges into the Ohio River between Huntington, West Virginia and Ashland, Kentucky, and into the pool created by the Greenup Dam. The objective of the study is to identify measures to maintain sediment movement through the lower reach of the Big Sandy River to the Ohio River. Dredging to maintain a navigation channel in this area would thus be reduced.

Additional Division Activities

Special Programs.

1. Construction of a high level intake at Sutton Dam began in October 1979 and is scheduled for completion in May 1980. Its purpose is the improvement of environmental attributes of the Elk River downstream of Sutton Dam. With the high level intake, it is anticipated that a slight increase in sediment deposition in the lake will be experienced.

2. Tennessee-Tombigbee Waterway:

(a) In order to control the sediment and turbidity of flows flowing South from the Divide Cut work area, a 300-acre impoundment was created behind a 10-foot high dam constructed in the future pool of Bay Springs Lake. The removal efficiency of the reservoir has been measured as high as 98 percent for sediment and 82 percent for turbidity. In the Bay Springs Lock and Dam construction area, contractors have been fairly successful in meeting turbidity specifications. Turbidity measurements

downstream of the site are taken at the new water quality monitoring station on Mackeys Creek and compared to inflow turbidities to insure no increase due to construction activities.

(b) Section 4 and 2A (Big 4). Diversion ditches for flows flowing north out of the contract area are under construction. The ditches will be diverting the flows into the old test pit which will be used as a settling basin. Potential sediment runoff from disposal areas into the waterway work area is being controlled by diking systems.

(c) Northern End. A silt curtain that was planned for installation in the Yellow Creek embayment was eliminated. Plans are now being prepared for the removal of sediment in the Yellow Creek embayment. Turbidity measurements are being taken at the water quality monitoring station on Yellow Creek.

3. Local Protection Projects:

(a) Middlesboro, Kentucky. Bennets Fork Diversion Canal. The remedial work of removing sediment in the channel between Station 0+95 and Station 73+50 has been completed.

(b) Lake City, Tennessee. Coal Creek Channel Improvement. The amount of deposition from the April 1977 Flood was determined for Federal Emergency Management Agency.

4. Construction of the Littcarr Sediment Dam is nearly complete with four sampling stations to be operational in the spring of 1980.

OHIO REGION

GEOLOGICAL SURVEY

Monongahela Subregion

1. Suspended-sediment data are being collected about monthly at Shavers Fork at Bemis, W. Va., Stalnaker Run near Bowden, W. Va., Taylor Run near Alpena, W. Va., and at Shavers Fork near Elkins, W. Va., in cooperation with the West Virginia Department of Highways.

2. Suspended-sediment data are being collected on a daily basis at Taylor Run at Bowden, W. Va., at Shavers Fork above Bowden, W. Va. and at Shavers Fork below Bowden, W. Va., as part of the Shavers Fork Basin Cooperative Program with the West Virginia Department of Highways.

3. Suspended-sediment data are being collected on a near monthly and storm event basis at Becky Creek at Hwy. 56, Branch near Huttonsville, W. Va., Leading Creek at Hwy. 3 Branch near Kerens, W. Va.; Sand Run near Buckhannon, W. Va.; Three Fork Creek at Hwy. 33 Branch near Gladesville, W. Va.; West Fork River at Hwy. 19 Branch at Roanoke, W. Va.; Little Paw Creek at Hwy. 25 Branch at Hoodsville, W. Va.; Shavers Fork at Hwy. 250 Branch at Cheat Bridge, W. Va.; Big Sandy Creek at Hwy. 14 Branch at Clifton Mills, W. Va. as part of the USGS's Coal Hydrology Monitoring project.

4. Suspended-sediment data are being collected on a monthly basis at Youghiogheny River at Friendsville, Md., and Casselman River at Grantsville, Md., as part of hydrologic assessment of the Eastern Coal Province.

Upper Ohio Subregion

1. Suspended-sediment data are being collected on a monthly basis at Ohio River at Benwood, near Wheeling, W. Va., and at Little Kanawha River at Palestine, W. Va., as a part of the National Stream Quality Accounting Network (NASQAN).

2. Suspended-sediment data are being collected on a monthly basis at Kings Creek near Weirton, W. Va., (discontinued January 1979), at Little Grave Creek near Moundsville, W. Va., at Par Run near mouth near Moundsville, W. Va., and at Middle Grave Creek near Moundsville, W. Va., in cooperation with the U.S. Soil Conservation Services.

3. Suspended-sediment data are being collected on a near monthly and storm event basis at Little Grave Creek at Hwy. 10 Branch at Glendale Hts., W. Va.

4. Suspended-sediment data are being collected on a daily basis and with automated samplers at Little Kanawha River near Wildcat, W. Va., as part of the USGS's Coal Hydrology Monitoring project.

5. Suspended-sediment data are being collected on a near monthly and storm-event basis at Coxcamp Fork at Hwy. 47 Branch at Coxs Mills, W. Va.; Henry Fork at Hwy. 25 Branch at Linden, W. Va.; Bonds Creek at Hwy. 1 Branch at Highland, W. Va., as part of the USGS's Coal Hydrology Monitoring project.

6. Suspended-sediment data are being collected on a daily basis at Hocking River below Athens, Ohio, in cooperation with the Ohio Department of National of Natural Resources.

7. Suspended-sediment data are being collected on a daily basis at Consol Run near Bloomingdale, Ohio, in cooperation with the U.S. Environmental Protection Agency (EPA).

Muskingum Subregion

1. Suspended-sediment data are being collected on a daily basis at Muskingum River at McConnelsville, Ohio, in cooperation with the Ohio Department of National Resources.

2. Suspended-sediment data are being collected on a daily basis at Sand Fork near Wakatomika, Ohio, in cooperation with the U.S. EPA.

3. Suspended-sediment data are being collected on a near-monthly and storm-event basis at Clear Fork tributary near Hanover, Ohio, and at Opossum Run tributary near Wakatomika, Ohio, in cooperation with the U.S. EPA.

Kanawha Subregion

1. Suspended-sediment data are being collected on a near monthly basis at Kanawha River at Winfield, W. Va. as a part of NASQAN.

2. Suspended-sediment data are being collected on a daily basis at Little Coal River at Danville, W. Va., Little Coal River at Julian, W. Va., Big Coal River near Alum Creek, W. Va., Coal River at Alum Creek, W. Va., Coal River at Tornado, W. Va., Rock Creek at Danville, W. Va., and Rock Creek at Rock Creek, W. Va., in cooperation with the West Virginia Department of Highways.

3. Suspended-sediment data are being collected on a near monthly basis at Howard Creek at Caldwell, W. Va., (discontinued January 1979), in cooperation with the U.S. Soil Conservation Service.

4. Suspended-sediment data were collected about monthly at Cranbery Creek at Beckley, W. Va., Little Whitestick Creek at Beckley, W. Va., Soak Creek at Sophia, W. Va., Crab Orchard Creek at Crab Orchard, W. Va. (discontinued September 30, 1979), Beaver Creek at Beaver, W. Va., (discontinued September 30, 1979), and at Piney Creek at Raleigh, W. Va. (discontinued September 30, 1979), in cooperation with the U.S. Soil Conservation Service.

5. Suspended-sediment data are being collected on a near monthly and storm-event basis at Laurel Creek at Wallis Branch near Sandstone, W. Va.; Gauley River at Hwy. 46 Branch at Williams River, W. Va.; Campbells Creek at Hwy. 73 Branch downstream from Coal Fork, W. Va.; Leatherwood Creek at Hwy. 26/4 Branch at Bergoo, W. Va.; Laurel Creek at Hwy. 9 Branch at Erbacon, W. Va.; Grassy Creek at Hwy. 20 Branch at Diana, W. Va.; Little Birch River at Hwy.

40/15 Branch near Little Birch, W. Va.; Eighteen Mile Creek at Hwy. 6 Branch at White Star School, W. Va.; Clear Fork at Hwy. 1/21 Branch at Leevale, W. Va., as part of the USGS's Coal Hydrology Monitoring project.

6. Suspended-sediment data are being collected on a daily basis and with automatic samplers at Buffalo Creek at Barracksville, W. Va.; Piney Creek at Raleigh, W. Va.; and Cranberry River near Richwood, W. Va., as part of the USGS's Coal Hydrology Monitoring project.

Scioto Subregion

1. Suspended-sediment data are being collected on a daily basis at Scioto River at Higby, Ohio, in cooperation with the Ohio Department of National Resources.

2. Suspended-sediment data are being collected on a daily and storm-event basis at the following locations in cooperation with the Ohio Department of Transportation:

Olentangy River near Worthington, Ohio
315 Expressway and Rt. 161 Drainage at Worthington, Ohio
Rush Run at Worthington, Ohio
Linworth Road Creek at Columbus, Ohio
Bethel Road Creek at Columbus, Ohio
Unnamed Tributary to Olentangy River at 315 Expressway at Columbus, Ohio
Olentangy River at Henderson Road at Columbus, Ohio

Big Sandy-Guyandotte Subregion

1. As part of the Coal Monitoring program in southwestern Virginia, suspended-sediment samples were collected at six stations on about a 6-week basis, suspended-sediment and coal-separation samples were collected three times at about 25 synoptic sites, bottom-material samples for coal-separation analysis were collected at 20 sites and bottom-material samples for trace-metals analysis were collected at 19 sites in the Big Sandy River basin.

2. Suspended-sediment data are being collected on a daily basis at Levisa Fork at Big Rock, Va., as part of the Coal Hydrology program.

3. Suspended-sediment data are being collected, on a near monthly basis at Guyandotte River at Branchland, W. Va., as a part of NASQAN.

4. Suspended-sediment data are being collected on a daily basis at Guyandotte River near Baileysville, W. Va., (discontinued September 30, 1979), as part of the Cooperative Reservoir Study with the U.S. Corps of Engineers.

5. Suspended-sediment data are being collected on a daily basis at Marsh Fork at Maben, W. Va., Still Run at Itman, W. Va., Allen Creek at Allen Junction, W. Va., and at Bearhole Fork at Pineville, W. Va., as part of a study on the effects of mining on the hydrologic environment of Southern West Virginia, in cooperation with the West Virginia Geological and Economic Survey.

6. Suspended-sediment data are being collected on about monthly and storm event basis at Milan Fork at McGraws, W. Va. (changed to daily basis January 1979), as part of a study of the effects of mining on the hydrologic environment of Southern West Virginia, in cooperation with the West Virginia Geological and Economic Survey.

7. Suspended-sediment data are being collected on a daily basis at Elkhorn Creek at Maitland, W. Va., Tug Fork at Welch, W. Va., Pigeon Creek at LeNore, W. Va., and at Dry Creek at Avondale, W. Va., as part of the Tug River Basin project in cooperation with the West Virginia Geological and Economic Survey and the West Virginia Department of Natural Resources.

8. Suspended-sediment data are being collected on a daily basis at Tug Fork near Glenhayes, W. Va., in cooperation with the West Virginia Geological and Economic Survey as part of the Tug River Basin project.

9. Suspended-sediment data are being collected on a near monthly and storm-event basis at Pennacle Creek at Hwy. 16 Branch near Pineville, W. Va.; Buffalo Creek at Hwy. 16/5 Branch at Kistler, W. Va.; Middle Fork at Hwy. 3 Branch at Hamlin, W. Va.; Elkhorn Creek at Hwy. 52/20 Branch at Elkhorn, W. Va.; Panther Creek near Panther, W. Va.; Pigeon Creek near LeNore, W. Va., as part of the USGS's Coal Hydrology Monitoring project.

10. Suspended-sediment data are being collected on a monthly basis at Big Sandy River at Louisa, Ky., as a part of NASQAN, and as part of the Coal Hydrology program.

11. Suspended-sediment data are being collected on a daily basis at Johns Creek near Meta, Ky., to monitor sediment discharge into Dewey Lake. The work is being done in cooperation with the U.S. Corps of Engineers, Huntington District, and as part of the Coal Hydrology program.

12. Suspended-sediment data are being collected on a quarterly basis at Grapevine Creek near Phyllis, Ky., and at Dicks Fork at Phyllis, Ky., as a part of the Coal Hydrology project.

13. Suspended-sesdiment data are being collected on a weekly and storm-event basis at Russell Fork at Elkhorn City, Ky., Levisa Fork at Pikeville, Ky., and Johns Creek near Van Lear, Ky., as part of the Coal Hydrology program.

14. Suspended-sediment data are being collected on a quarterly basis at 41 other locations as part of the Coal Hydrology program.

Great Miami Subregion

1. Suspended-sediment data are being collected on an intermittant basis at Whitewater River near Hagerstown, Ind., and on a flood-event basis at East Fork Whitewater River at Abington, Ind. This work was done in cooperation with the State of Indiana.

2. Suspended-sediment data are being collected on an intermittent basis at Whitewater River at Brookville, Ind., as a part of NASQAN.

Middle Ohio Subregion

1. Suspended-sediment data are being collected at Ohio River at Greenup Dam, Ky., as part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at Upper Twin Creek at McGaw, Ohio, and at South Hogan Creek near Dillsboro, Ind., as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected at Little Miami River at Milford, Ohio, in cooperation with the Ohio Department of Natural Resources.

4. Suspended-sediment data are being collected daily at Big Four Hollow Creek near Lake Hope, Ohio, and at the following stations in the Raccoon River basin on a storm-event basis in cooperation with the Ohio Department of Natural Resources:

Sandy Run above Big Four Hollow Creek, near Lake Hope, Ohio
Big Four Hollow Creek below East Fork, near Lake Hope, Ohio
Hull Hollow Creek near Lake Hope, Ohio
Sandy Run below Hull Hollow Creek, near Lake Hope, Ohio

5. Suspended-sediment data are being collected on a monthly basis at Ohio River at Greenup Dam, Ky., and Ohio River at Markland Dam, Ky., as a part of NASQAN.

6. Suspended-sediment data are being collected on a weekly and storm-event basis at Tygarts Creek near Greenup, Ky., and Little Sandy River at Grayson, Ky., as part of the Federally funded Coal Hydrology network.

7. Suspended-sediment data are being collected on a quarterly basis at 10 locations in Kentucky, as part of the Federally funded Coal Hydrology network.

Kentucky-Licking Subregion

1. Suspended-sediment data are being collected on a monthly basis at Licking River at Butler, Ky., and at Kentucky River at Lock 2 at Lockport, Ky., as a part of NASQAN.

2. Suspended-sediment data are being collected on a five week frequency at the following stations to define sediment yields by physiographic province in Kentucky.

North Fork Triplett Creek near Morehead, Ky.
North Fork Licking River near Lewisburg, Ky.
Troublesome Creek at Noble, Ky.
Goose Creek at Manchester, Ky.
Red River near Hazel Green, Ky.
Elkhorn Creek near Frankfort, Ky.

This work is done in cooperation with the Kentucky Geological Survey. The Goose Creek and Red River stations are also part of the Coal Hydrology program.

3. Suspended-sediment data are being collected on a daily basis at Middle Fork Kentucky River near Hyden, Ky., in cooperation with the U.S. Corps of Engineers, Louisville District, and as part of the Coal Hydrology program.

4. Suspended-sediment data are being collected on a weekly and storm-event basis at:

North Fork Kentucky River at Hazard, Ky.
North Fork Kentucky River at Jackson, Ky.
Middle Fork Kentucky River at Tallega, Ky.
South Fork Kentucky River at Booneville, Ky.

5. Suspended-sediment data are being collected on a quarterly basis at 54 locations in Kentucky as part of the Coal Hydrology program.

Green Subregion

1. Suspended-sediment data are being collected on a monthly basis at Green River near Beech Grove, Ky., as a part of NASQAN.

2. Suspended-sediment data are being collected on a daily basis at Green River at Munfordville, Ky., as a part of the Federal Sediment Index Network.

3. Suspended-sediment data are being collected on a 5-week frequency at the following stations in cooperation with the Kentucky Geological Survey.

Russell Creek near Columbia, Ky.
Nolin River near White Mills, Ky.
South Fork Panther Creek near Whitesville, Ky.
Bacon Creek near Priceville, Ky. (started Oct. 1, 1978)

4. Suspended-sediment data are being collected on a weekly and storm-event basis as part of the Federally funded Coal Hydrology network at:

Rough River at Dundee, Ky.
Pond River near Apex, Ky.
Pond River near Vandetta, Ky.
Green River at Rockport, Ky.
Cypress Creek near Calhoun, Ky.
Panther Creek near Owensboro, Ky.
Green River at Lock 2 at Calhoun, Ky.

5. Suspended-sediment data are being collected on a quarterly basis at 47 locations in Kentucky as part of the Federally funded Coal Hydrology network.

Wabash Subregion

1. Suspended-sediment data are being collected on a daily basis at Buck Creek near Muncie, Ind., and at East Fork White River at Seymour, Ind., in cooperation with the State of Indiana, and at Big Blue River at Carthage, Ind., for

the U.S. Corps of Engineers. Additional sampling in cooperation with the State of Indiana consists of six weekly stations, five intermittent stations, and four high-flow only stations.

2. Suspended-sediment data were collected once at 40 sites and bed-material samples once at seven sites in Indiana as part of the Federal Energy program.

3. Suspended-sediment data were collected monthly at White River at Hazelton, Ind., as part of NASQAN.

4. Suspended-sediment data are being collected on a daily basis at Eel River near Logansport, Ind., and at Wabash River at Lafayette, Ind., in cooperation with the State of Indiana.

5. Suspended-sediment data are being collected on an weekly basis at three sites, on an intermittent basis at six sites, and on a storm-event basis at five sites in cooperation with the State of Indiana.

6. Suspended-sediment data were collected once at 33 sites and bed-material samples once at seven sites in Indiana as part of the Federal Energy program.

7. Suspended-sediment data were collected four times at four sites as part of the Federal Energy program and in cooperation with the U.S. Environmental Protection Agency.

8. Suspended-sediment data are being collected on a intermittent basis at Wabash River at New Harmony, Ind., and on a monthly basis at Little Wabash River at Carmi, Ill., as a part of NASQAN.

9. Suspended-sediment data are being collected on a daily basis at Little Wabash River at Louisville, Ill., and at Embarras River near Oakland, Ill., in cooperation with the U.S. Corps of Engineers, Louisville District.

Cumberland Subregion

1. As part of the Coal Hydrology program, a suspended-sediment discharge station is being operated at Smoky Creek near Hembree, Tenn., in the New River basins. This station monitors daily and storm loads. Also in conjunction with this same program, miscellaneous suspended-sediment discharge measurements are being made at 51 other sites in this Subregion within the State of Tennessee.

2. In cooperation with the Tennessee Department of Public Health, Division of Water Quality Control, suspended-sediment discharge measurements are being made on a six-week frequency at 11 sites in this Subregion within the State of Tennessee.

3. Suspended-sediment data are being collected on a monthly basis at Cumberland River at Carthage, Tenn., and at Cumberland River near Grand Rivers, Ky., as a part of NASQAN.

4. Suspended-sediment data are being collected on a 5-week frequency at the following stations in cooperation with the Kentucky Geological Survey:

Buck Creek near Shopville, Ky.
Little River near Cadiz, Ky.

5. Suspended-sediment data are being collected on a daily and storm-event basis in cooperation with the U.S. Army Corps of Engineers, Nashville District, and as part of the Coal Hydrology program at the following stations:

Clover Fork near Harlan, Ky.
Yellow Creek near Middlesboro, Ky.
Cumberland River at Barboursville, Ky.
Cumberland River near Pineville, Ky.

6. Suspended-sediment data are being collected on a weekly and storm-event basis as part of the Coal Hydrology program at:

South Fork Cumberland River near Sterns, Ky.
Clear Fork near Saxton, Ky.
Rockcastle River near Billows, Ky.
Cumberland River at Williamsburg, Ky.

7. Suspended-sediment data are being collected on a quarterly basis at 29 miscellaneous stations of the Coal Hydrology program.

Lower Ohio Subregion

1. Suspended-sediment data are being collected on a monthly basis at Rolling Fork near Lebanon Junction, Ky., Salt River at Shepherdsville, Ky., Ohio River at Cannelton Dam, Ky., and at Ohio River at Lock and Dam 53 near Grand Chain, Ill., as part of NASQAN.

2. Suspended-sediment data are being collected on an intermittent basis at Indian-Kentuck Creek near Canaan, Ind., on a highflow only basis at Middle Fork Anderson River at Bristow, Ind., and on a daily basis at West Fork Blue River at Salem, Ind., in cooperation with the State of Indiana.

3. Suspended-sediment data were collected once at nine sites in Indiana as part of the Federal Energy program.

4. Suspended-sediment data are being collected on a 3-times weekly and storm-event basis at Ohio River at Louisville, Ky., in cooperation with the U.S. Corps of Engineers, Louisville District.

5. Suspended-sediment data were collected 3-times at four sites and once at four other sites in Indiana in cooperation with the U.S. Soil Conservation Service.

6. Suspended-sediment data are being collected on a daily and storm-event basis at Floyds Fork near Crestwood, Ky., in cooperation with the Kentucky Department of Natural Resources.

7. Suspended-sediment data on a weekly and storm-event basis at Tradewater River at Olney, Ky., as part of the Coal Hydrology program.

8. Suspended-sediment data are collected on a quarterly basis at 13 locations in Kentucky as part of the Coal Hydrology program.

9. Suspended-sediment data are collected on a 5-week and storm-event basis at Massac Creek near Paducah, Ky. in cooperation with the Kentucky Geological Survey.

Special Studies

Suspended-sediment data were collected with automatic samplers at three sites in Greene County, Penn., during 1979,--Castile Run at Clarksville, Penn., Whitely Creek near Kirby, Penn., and Enlow Fork of Wheeling Creek, near West Finley, Penn. These data were collected as part of a study to evaluate the effects of mining on streams in Greene County.

A four-year study began in 1978 to evaluate surface mining influences on sedimentation characteristics of basins in the Allegheny and Monogahela geologic series in Ohio.

A four-year study began in 1978 to evaluate and quantify any impact that highway construction has on sediment loads to neighboring streams at the construction site of Ohio State Route 315 in Columbus, Ohio.

The project report is in review stage on the Federally-funded project, "Downstream effects of coal mining on Levisa Fork of the Big Sandy River, Kentucky-Virginia.

Suspended-sediment data were collected with automatic samplers at two sites in the Big Sandy Creek basin during 1979. The sites are a tributary to Stoney Fork near Gibson Glade and Stoney Fork near Elliotsville. The data were collected as part of a study to evaluate the effects of surface mining on the Big Sandy Creek basin of Southwestern Pennsylvania.

In cooperation with the Tennessee Department of Transportation, the problem of scour at highway bridges is being investigated at known and potential problem sites across Tennessee. Reports documenting data and research findings are planned.

In cooperation with several State and Federal agencies, suspended-and bed-sediment yields were measured at several locations in the heavily mined New River basin, Tenn. Suspended-sediment discharge was measured at two storm-event and three daily-plus-storm-event sites. Bedload measurements were also made at two other sites. Periodic bed and suspended-sediment particle-size determinations were made. Data collection in conjunction with this effort ceased on September 30, 1979. A final project report is in preparation.

A paper, "Sediment Characteristics of the New River, Tennessee," by William P. Carey was published in December 1979, in the Proceedings Symposium on Surface Mining, Hydrology, Sedimentology and Reclamation, University of Kentucky BU119, p. 197-202.

In cooperation with the U.S. Army Corps of Engineers, two suspended-sediment discharge stations were established; one at the mouth of the Clear Fork basin and one on the Big South Fork Cumberland River, Tenn. A third suspended-sediment discharge station on New River at New River, Tenn., is currently in operation. These stations monitor daily and storm-event loads. These data will be used to define current water quality conditions within the Big South National River and Recreation Area, Tennessee.

Professional paper 427D by John A. McCabe, a report on the 1974 phase of sediment studies at Cane Branch near Parkers Lake, Ky., is in review stage. This work was done in cooperation with a number of Federal and state agencies.

For additional information about Gelogical Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
P.O. Box 1026
605 North Neil Street
Champaign, IL 61820

District Chief, WRD
U.S. Geological Survey
1819 North Meridian Street
Indianapolis, IN 46202

District Chief, WRD
U.S. Geological Survey
975 West Third Avenue
Columbus, OH 43212

District Chief, WRD
U.S. Geological Survey
P.O. Box 1107
Federal Building, Fourth Floor
228 Walnut Street
Harrisburg, PA 17108

District Chief, WRD
U.S. Geological Survey
Federal Building and
U.S. Courthouse, Room A-413
Nashville, TN 37203

District Chief, WRD
U.S. Geological Survey
200 West Grace Street
Room 304
Richmond, VA 23220

District Chief, WRD
U.S. Geological Survey
Federal Building and U.S. Courthouse
Room 3017
500 Quarrier Street
East Charleston, WV 25301

District Chief, WRD
U.S. Geological Survey
Rm. 572, Federal Building
600 Federal Place
Lawrence, KY 40202

SOIL CONSERVATION SERVICE

1. Studies of sediment damages and determinations of sediment yields were made in the following watersheds:

   a. Public Law 566

Major Drainage	Watershed	Stream	County(s)	State
Scioto River	Rattlesnake Crk	Rattlesnake Crk	Clinton	OH
			Fayette	
			Greene	
			Highland	
			Madison	

   b. Public Law 9587

Loch Mary was constructed in 1892, and is presently the water supply reservoir for Earlington, Kentucky. Much of the drainage area to the lake has been strip mined in the past. As a consequence of the mining activity, large quantities of sediment have accumulated in the lake, necessitating cleanout several times to renovate storage capacity.

A reservoir survey was conducted to determine the present water capacity of the lake and to provide a datum for measuring the effectiveness of furture changes in land use and treatment of the drainage area.

Major Drainage	Watershed	Stream	County	State
Ohio River	Tradewater	Clear Crk	Hopkins	KY

2. Reservoir Sedimentation Surveys

   a. A reservoir sedimentation survey was made on structure No. 12, Little Cache Creek watershed, Johnson County, Illinois.

   b. A reservoir sedimentation survey was made on structure No. 9, Elk Creek watershed, Washington County, Indiana. Computations are incomplete.

TENNESSEE REGION

GEOLOGICAL SURVEY

Upper Tennessee Subregion

1. As part of the Coal Hydrology program in southwestern Virginia, suspended-sediment samples were collected at nine stations on about a 6-week basis, suspended-sediment and coal-separation samples were collected three times at about 20 synoptic-survey sites, bottom-material samples for coal-separation analysis were collected at 14 sites, and bottom-material samples for trace-metals analysis were collected at 15 sites, in the Clinch-Powell River basins.

2. Suspended-sediment data are being collected on a monthly basis at French Broad River at Marshall, N.C., French Broad River near Knoxville, Tenn., and at Clinch River at Melton Hill Dam, Tenn., and at Holston River near Knoxville, Tenn., as part of NASQAN.

3. In conjunction with the Coal Hydrology program, miscellaneous suspended-sediment discharge measurements are being made at 21 sites within the State of Tennessee.

4. In cooperation with the Tennessee Department of Public Health, Division of Water Quality Control, suspended-sediment discharge measurements are being made on a 6-week frequency at eight sites within the State of Tennessee.

Middle Tennessee-Hiwassee Subregion

1. In conjunction with the Coal Hydrology program, miscellaneous suspended-sediment discharge measurements are being made at 13 sites within the State of Tennessee.

2. In cooperation with the Tennessee Department of Public Health, Division of Water Quality Control, suspended-sediment discharge measurements are being made on a 6-week frequency at Oostanaula Creek near Sanford, Tennessee.

3. Suspended-sediment data are being collected on a monthly basis at Tennessee River at Watts Bar Dam, Tenn., as part of NASQAN.

4. Suspended-sediment data are being collected in the Tennessee River basin in Georgia at three sites on a monthly basis and at 13 sites on a quarterly basis as part of the OSM Coal Hydrology program.

Tennessee-Elk Subregion

1. In conjunction with the Coal Hydrology program, miscellaneous suspended-sediment discharge measurements are being made at 12 sites within the State of Tennessee.

2. In cooperation with the Tennessee Department of Public Health, Division of Water Quality Control, suspended-sediment discharge measurements are being made on a 6-week frequency at Shoal Creek near Iron City, Tenn.

3. Suspended-sediment data are being collected on a monthly basis at Tennessee River at South Pittsburg, Tenn., as a part of NASQAN. This site is also in a national pesticide monitoring network which requires periodic streambed sediment sampling.

4. Suspended-sediment data are being collected by an automatic sampler at Yellow Creek at Cross Roads, Miss., in cooperation with the U.S. Corps of Engineers.

Lower Tennessee Subregion

1. In cooperation with the Tennessee Department of Public Health, Division of Water Quality Control, suspended-sediment discharge measurements are being made on a 6-week frequency at three sites within the State of Tennessee.

2. Suspended-sediment data are being collected on a monthly basis at Tennessee River at Pickwick Landing Dam, Tenn., and at Tennessee River at Highway 60 near Paducah, Ky., as a part of NASQAN.

3. Suspended-sediment data are being collected on a periodic basis at Buffalo River near Flat Woods, Tenn., as part of the National Hydrologic Benchmark Network.

4. Suspended-sediment data are being collected on a 5 week-frequency at West Fork Clarks River near Brewers Creek, Ky., in cooperation with the Kentucky Geological Survey.

5. Suspended-sediment data are being collected on a periodic basis at Toccoa River near Dial, Ga., in cooperation with the Georgia Geologic Survey.

Special Studies

In cooperation with the Tennessee Department of Transportation, the problem of scour at highway bridges is being investigated at known and potential problem sites across Tennessee. Reports documenting data and research findirgs are planned.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
6481 Peachtree Industrial
Boulevard, Suite B
Doraville, GA 30360

District Chief, WRD
U.S. Geological Survey
100 W. Capitol St., Suite 710
Jackson, MS 39201

District Chief, WRD
U.S. Geological Survey
P.O. Box 2857, Century Station
Post Office Building, Room 436
Raleigh, NC 27602

District Chief, WRD
U.S. Geological Survey
Room 572, Federal Building
600 Federal Place
Louisville, KY 40202

District Chief, WRD
U.S. Geological Survey
Federal Building and U.S. Courthouse
Room A-413
Nashville, TN 37203

District Chief, WRD
U.S. Geological Survey
200 West Grace St., Rm. 304
Richmond, VA 23220

Tennessee Valley Authority

During 1979 established sediment ranges were sounded on the La Follette, Tennessee, water supply reservoir, Ocoee No. 1, Ocoee No. 3, and Cherokee Reservoirs. Sediment ranges were established and initial surveys made on Cedar Creek Reservoir, part of the Bear Creek Project in north Alabama. Suspended sediment sampling began at four locations as part of the St. Charles, Virginia, Watershed Reclamation Project, a cooperative study with the Office of Surface Mining and the Virginia Division of Mined Land Reclamation. Suspended sediment sampling, deposited sediment surveys, and core sampling were conducted as part of a comprehensive engineering and environmental investigation of DDT contamination of Huntsville Spring Branch, Indian Creek and adjacent land and waters, Wheeler Reservoir in northern Alabama.

La Follette Water Supply Reservoir (Upper Ollis Creek Reservoir)

This reservoir, filled in 1964, was surveyed for the ninth consecutive year since the 46 sediment ranges were established, sounded, and probed in 1970. Deposited sediment accumulations are being monitored to ascertain the effects of strip mining and subsequent reclamation work in the watershed. The 1979 survey showed a total of 60 acre-feet of sediment, an average increase of 3.6 acre-feet since 1974, but about one-third the rates experienced in 1972 and 1973.

Ocoee No. 1 Reservoir

Thirty-seven sediment ranges of the 38 ranges established in 1949 were sounded. The reservoir was filled in 1911 and TVA made a survey in 1940, but ranges were not established during this investigation. Five sediment surveys were made from 1954 to 1976. The 1979 survey indicated a total deposit of 24,800 acre-feet of sediment and a storage loss of 22.7 percent since dam closure in 1911.

Ocoee No. 3 Reservoir

Thirty of the 31 established sediment ranges were sounded. This reservoir was filled and ranges established in 1942. Thirteen sediment surveys were made from 1945 to 1976. The 1979 survey indicated a total deposit of 11,000 acre-feet of sediment and a storage loss of 77 percent, a net reduction of 400 acre-feet of deposits since the previous survey in 1976. The reservoir was drawn to minimum levels in December 1976, and in March and October 1978 to flush sediment from the reservoir.

Cherokee Reservoir

Twenty-nine ranges were established prior to filling the reservoir in 1941. Prior to the 1979 survey, surveys were made at 5-year intervals between 1949 and 1964.

CORPS OF ENGINEERS

North Central Division

Chicago District

Two sediment-related studies conducted for the Chicago District were completed in 1979. Both studies are related to the "Study and Demonstration Program for an Increase in Lake Michigan Diversion at Chicago" as authorized by Section 166 of the Water Resources Development Act of 1976.

The first study, entitled "Bank Erosion of the Illinois River" involved a bank erosion survey of the Illinois River between Joliet (River mile 285.0) and Grafton, Illinois (River mile 0.0). A total of 20 eroded river reaches within the Study area were selected for detailed analysis. Plan views and bank slopes were surveyed and a permanent concrete monument was installed at each selected reach to allow for the possibility of future monitoring. A total of 67 bank material samples and 54 bed material samples were classified and analyzed with respect to particle size distribution to determine the nature and extent of shoreline erosion. Stability analyses indicated that bank erosion along the Illinois River would not be affected by the proposed Increased Diversion Program.

The second study, entitled "Sediment Transport in the Illinois River", provided relationships between sediment loading and water discharge at select locations based on historic data collected by the United States Geological Survey (USGS), the Northeastern Illinois Planning Commission (NIPC), and the Metropolitan Sanitary District of Greater Chicago (MSDGC). On the basis of these data, computations were made to estimate the probable sedimentation effects of increased Lake Michigan diversion from 3200 cfs (current) to 6600 cfs and 10,000 cfs (proposed). The following conclusions were made:

1. The most severe sediment-related effects of increased diversion will be in the Chicago Sanitary and Ship Canal, which is located between and hydraulically connected to Lake Michigan and the Illinois River. The sewage sludge deposited on the bed and banks of the Canal (from wastewater treatment plant effluents and combined sewer overflows) will probably be washed away, at least partially, during the initial period of diversion. A gradual decrease in the scour will take place possibly within a few days of the start of diversion, depending upon the rate of increase of the diverted flow.

2. The eroded sludge will deposit in the pools downstream of the Canal.

3. An increase in sediment load will take place with an increase in discharge in the middle and lower reaches of the Illinois River.

The above conclusions were based on an extremely limited amount of data. Statistically, the reliability of the sediment rating curves developed for this study is not very high. Additional data may or may not substantiate these conclusions.

References:

1. Bhowmik, N. G., and R. J. Schicht, "Bank Erosion of the Illinois River," Illinois State Water Survey Contract Report, January 1979.

2. Lee, M. T., and N. G. Bhowmik, "Sediment Transport in the Illinois River," Illinois State Water Survey Contract Report, April 1979.

Rock Island District

Sedimentation Surveys. The establishment and survey of reservoir sedimentation ranges in Lake Red Rock and about 100 percent completed. A resurvey report is scheduled to be prepared this calendar year.

The establishment and survey of reservoir sedimentation ranges in Saylorville Lake are approximately 60 percent completed.

Suspended Sediment Sampling. Suspended load sampling is being conducted at 35 stations, four located on the Mississippi River and 31 on its tributaries. Seventeen long term stations are operated and maintained directly by the Rock Island District. Eighteen stations which began in conjunction with the GREAT II program are now being operated and maintained under a cooperative program with the US Geological Survey. Sampling at Monticello, Missouri, on the Middle Fabius River and at Keosauqua, Iowa, on the Des Moines River will begin this year.

Bedload Sampling. Bedload sampling is being conducted at 19 stations located on tributaries of the Mississippi River. At 15 of these stations suspended sediment samples are also collected. At the remaining four stations: the Turkey River at Garber, Iowa; Skunk River at Augusta, Iowa; Rock River at Jefferson, Wisconsin; and the Rock River at Afton, Wisconsin, only bedload samples are collected. Bedload samples are collected during the three peak flows for the year using the Helley Smith bedload sampler. All stations at which bedload samples are collected are operated and maintained in cooperation with the USGS. Records for the bedload stations are also maintained by the USGS.

St. Paul District

A report on the progress and development accomplished in the "Study of Methods Used in Measurement and Analysis of Sediment Loads in Streams", conducted at the St. Anthony Falls Hydraulic Laboratory during the calendar year 1979, is described under "Laboratory and other Research Activities."

Sediment load measurements are currently being made at twenty-three stations sponsored by the St. Paul District. There are sixteen stations in the Upper Mississippi River Basin and seven in the Souris - Red - Rainy Rivers Basin. Eleven of the sediment stations in the Upper Mississippi River Basin will provide basic data for the Great River Study. All sediment load measurements are being conducted by the U. S. Geological Survey under St. Paul District sponsorship.

UPPER MISSISSIPPI REGION

GEOLOGICAL SURVEY

Mississippi Headwaters Subregion

1. Suspended-sediment are being collected on a monthly basis at Mississippi River near Royalton, Minn., and at Mississippi River at Naninger, Minn., as a part of the National Stream Quality Accounting Network (NASQAN).

2. Suspended-sediment data are being collected on a daily basis at Mississippi River near Anoka, Minn., in cooperation with the U.S. Corps of Engineers.

3. Suspended-sediment data are being collected on an intermittent and storm-event basis at Crow River at Rockford, Minn., and at Elk River near Big Lake, Minn., in cooperation with the Minnesota Department of Natural Resources, Division of Waters.

4. Suspended-sediment measurements were made during floods at the following sites:

Mississippi River at Bemidji, Minn.
Mississippi River below Sandy River at Libby, Minn.
Mississippi River at Aitkin, Minn.
Mississippi River Diversion near Aitkin, Minn.

Minnesota Subregion

1. Suspended-sediment data are being collected on a daily basis at Minnesota River at Mankato, Minn., at Whetstone River near Big Stone City, S. Dak., and at Yellow Bank River near Odessa, Minn., in cooperation with the U.S. Corps of Engineers.

2. Suspended-sediment data are being collected on a monthly basis at Minnesota River near Jordon, Minn., as a part of NASQAN.

3. Suspended-sediment data are being collected on an intermittent or storm-event basis at Watonwan River near Garden City, Minn., Chippewa River near Milan, Minn., and at Yellow Medicine River near Granite Falls, Minn., in cooperation with the Minnesota Department of Natural Resources, Division of Waters.

St. Croix Subregion

1. Suspended-sediment dfta are being collected on a periodic basis at the following sites:

St. Croix River at CTH "T" near Dairyland, Wis.
Namekagon River at Hayward, Wis.
Namekagon River at Trego, Wis.
St. Croix River near Danbury, Wis.
Yellow River at Danbury, Wis.
Clam River at ice house bridge near Webster, Wis.

Kettle River near Cloverdale, Minn.
Snake River near Pine City, Minn.
Apple River near Somerset, Wis.

2. Suspended-Sediment data are being collected on a monthly basis at St. Croix River at St. Croix Falls, Wis., as a part of NASQAN.

Upper Mississippi-Black-Root Subregion

1. Suspended-sediment data are being collected on a monthly and storm-event basis at North Fork Whitewater River near Elba, Minn., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a daily basis at Zumbro River at Kellogg, Minn., at Whitewater River near Beaver, Minn., at Mississippi River at Winona, Minn., at Root River near Houston, Minn., and at South Fork Root River near Houston, Minn., in cooperation with the U.S. Corps of Engineers.

3. Suspended and bed load-sediment data are being collected on a periodic and storm-event basis for the U.S. Corps of Engineers, at Chippewa River at Durand, Wis., and at Black River at Galesville, Wis.

4. Suspended and bedload sediment data are being collected on an intermittent basis for the U.S. Corps of Engineers, at Plum Creek near Ella, Wis., Chippewa River near Caryville, Wis., and at Chippewa River near Pepin, Wis.

5. Suspended-sediment measurements were made of the Mississippi River at LaCrosse, Wis., as part of a project study of Lake Onalaska in cooperation with the U.S. Fish and Wildlife Service.

Upper Mississippi-Maquoketa-Plum Subregion

1. Suspended-sediment data are being collected on a daily basis at Upper Iowa River near Dorchester, Iowa, and at Mississippi River at McGregor, Iowa, as a part of the Great River Environmental study in cooperation with U.S. Corps of Engineers, St. Paul District.

2. Suspended-sediment data are being collected on a periodic and storm-event basis for the U.S. Corps of Engineers at the Grant River at Burton, Wis.

3. Suspended-sediment data are being collected at Maquoketa River near Maquoketa, Ia., as a part of the Great II River Environmental study in cooperation with the U.S. Corps of Engineers, Rock Island District.

4. Suspended-sediment data are being collected on an intermittent and storm-event basis at Cedar River near Austin, Minn., in cooperation with the Minnesota Department of National Resources, Division of Waters.

5. Suspended-sediment data are being collected three times per year on an event basis at Turkey River at Garber, Iowa, as part of Great II study in cooperation with the U.S. Corps of Engineers, Rock Island District.

Wisconsin Subregion

1. Suspended-sediment and bedload data are being collected on a periodic and storm-event basis for the U.S. Corps of Engineers at Wisconsin River at Muscoda, Wis.

2. Suspended-sediment data are being collected on a periodic and storm-event basis at the following sites in cooperation with the State of Wisconsin.

Big Eau Pleine River near Stratford, Wis.
Fenwood Creek at Bradley, Wis.
Freeman Creek at Halder, Wis.
Big Eau Pleine River near Mosinee, Wis.

3. Suspended-sediment data are being collected on a periodic and storm-event basis to determine daily suspended-sediment discharge in cooperation with the State of Wisconsin at the following sites:

Site A, Trout Creek near Ridgeway, Wis.
Site B, Trout Creek near Ridgeway, Wis.
Site D, Trout Creek near Ridgeway, Wis.

4. Suspended-sediment data are being collected on an intermittent and storm-event basis in cooperation with Dane County, Wis., at Black Earth Creek at Black Earth, Wis.

5. Suspended-sediment data are being collected on a periodic and event-basis to determine daily suspended-sediment discharge in cooperation with the State of Wisconsin, at Yellowstone River near Blanchardville, Wis. and at Steiner Branch near Waldwick, Wis.

Upper Mississippi-Iowa-Skunk-Wapsipinicon Subregion

1. Suspended-sediment data are being collected on a monthly basis at Mississippi River at Clinton, Iowa, and at Mississippi River at Keokuk, Iowa, as a part of NASQAN.

2. Suspended-sediment data are being collected on a daily basis at the following in cooperation with the Iowa Geological Survey:

Iowa River at Iowa City, Iowa
Ralston Creek at Iowa City, Iowa
Skunk River at Augusta, Iowa

3. Suspended-sediment data are being collected on a daily basis at the following sites as part of the Great II River Environmental study in cooperation with U.S. Corps of Engineers, Rock Island District.

Crow Creek at Bettendorf, Iowa
Iowa River at Wapello, Iowa

4. Suspended-sediment data are being collected three times per year on an event basis at Wapsipinicon River at De Witt, Iowa, as part of Great II study in cooperation with the U.S. Crops of Engineers, Rock Island District.

Rock Subregion

1. Suspended-sediment data are being collected on a daily plus storm-event basis in cooperation with Dane County, Wis., on Willow Creek at Madison, Wis.

2. Suspended-sediment data are being collected on a weekly and storm-event basis in cooperation with the U.S. Corps of Engineers and the City of Middleton, Wis., at:

Pheasant Branch Creek at Middleton, Wis., at U.S. Highway 12
Pheasant Branch at Century Avenue at Middleton, Wis.
Tributary to Pheasant Branch at Hwy. 14 at Middleton, Wis.
Tributary to Pheasant Branch at Airport Road at Middleton, Wis.
Pheasant Branch at Middleton, Wis., at CTH "M"

3. Suspended-sediment data are being collected on an intermittent and storm-event basis in cooperation with Dane County, Wis., at the following sites:

Maunesha River near Sun Prairie, Wis.
Yahara River at Windsor, Wis.
Token Creek near Madison, Wis.
Yahara River at STH 113 at Madison, Wis.

Sixmile Creek at Waunakee, Wis.
Sixmile Creek near Waunakee, Wis.
Spring Creek at CTH "M" near Middleton, Wis.
Spring Harbor Storm Sewer at Madison, Wis.
Starkweather Creek - West - at Madison, Wis.
Starkweather Creek - East - at Madison, Wis.
Olbrich Park Storm Ditch at Madison, Wis.
Door Creek near Cottage Grove, Wis.
Mt. Vernon Creek near Mt. Vernon, Wis.

4. Suspended-sediment data are being collected on a monthly basis at Rock River near Joslin, Il., as a part of NASQAN.

5. At the Kishwaukee River near Perryville, Illinois, daily suspended-sediment data collection began in April 1979 in cooperation with the Rock Island Corps of Engineers.

Des Moines Subregion

1. Suspended-sediment data are being collected on a daily basis at Des Moines River near Saylorville, IA, in cooperation with the Iowa Geological Survey.

2. Suspended-sediment data are being collected on a daily basis at Des Moines River at St. Francisville, Mo., as a part of the Great II study in cooperation with the U.S. Corps of Engineers, Rock Island District.

3. Suspended-sediment data are being collected on an intermittent basis at Des Moines River at Jackson, Minn., in cooperation with the Minnesota Department of Natural Resources, Division of Waters.

4. Suspended-sediment data are being collected on a daily basis at Middle Fork Raccoon River at Bayard, Iowa, and Middle Fork Raccoon River at Panora, Iowa. In conjunction with the operation of these stations, a sediment reservoir sedimentation study is being conducted at Lake Panorama at Panora, Iowa. This study is a cooperative undertaking with the Engineering Research Institute, Iowa State University at Ames, Iowa.

Upper Mississippi-Salt-Subregion

1. Suspended-sediment data are being collected on a monthly basis at Salt River near New London, Mo., and Mississippi River below Alton, Ill., as a part of NASQAN.

2. Suspended-sediment data are being collected on three to six storm-events per year at Middle Fabius River near Monticello, Mo., as a part of the Great II study in cooperation with the U.S. Corps of Engineers, Rock Island Districts.

Upper Illinois Subregion

1. Suspended-sediment data are being collected on a monthly basis at Illinois River at Marseilles, Ill., as a part of NASQAN.

2. Suspended-sediment data are being collected on an intermittent basis at Davis Ditch near Kouts, Ind., Kankakee River near Kouts, Ind., Cobb Ditch near Kouts, Ind., Singleton Ditch at Schneider, Ind., Iroquois River near Rosebud, Ind., and at Iroquois River near Foresman, Ind., in cooperation with the State of Indiana.

3. Suspended-sediment data are being collected on a daily basis at Yellow River at Plymouth, Ind., in cooperation with the State of Indiana.

4. Suspended-sediment data are being collected on a weekly basis at Kankakee River near North Liberty, Ind., in cooperation with the State of Indiana.

5. Bed-material data are being collected on an intermittent basis at Davis Ditch near Kouts, Ind., and at Kankakee River near Kouts, Ind., in cooperation with the State of Indiana.

6. Suspended-sediment data are being collected on a daily basis at Iroquois River near Chebanse, Ill., in cooperation with the Illinois Department of Transportation, Division of Water Resources.

7. Suspended-sediment data are being collected on a daily basis at the following sites in cooperation with the Illinois Kankakee River Basin Task Force:

Kankakee River at Momence, Ill. (begun Oct. 1, 1978)
Kankakee River near Wilmington, Ill. (begun Oct. 1, 1978)
Iroquois River at Iroquois, Ill. (begun Oct. 1, 1978)

8. In cooperation with the Chicago Corps of Engineers daily suspended-sediment data collection began in April 1979 at the Des Plaines River at Riverside, Ill.

Lower Illinois Subregion

1. Suspended-sediment data are being collected on a monthly basis at Illinois River at Valley City, Ill., as a part of NASQAN.

Upper Mississippi-Kaskaskia-Meramec Subregion

1. Suspended-sediment data are being collected on a monthly basis at Mississippi River at Thebes, Ill., at Kaskaskia River at Venedy Station, Ill., at Big Muddy River at Murphysboro, Ill., and at Meramec River near Eureka, Mo., as a part of NASQAN.

2. Suspended-sediment data area being collected on a daily basis at Kaskaskia River at Cooks Mills, Ill., in cooperation with the U.S. Army Corps of Engineers, St. Louis District.

3. Suspended-sediment data are being collected on a daily basis at Mississippi River at St. Louis, Mo., in cooperation with the U.S. Army Corps of Engineers, St. Louis District.

Special Studies

Three stations are operated in cooperation with the Metropolitan Sanitary District of Greater Chicago to record changes in sediment transport during reclamation of strip-mined areas for irrigation with digested sludge from sewage treatment facilities. Two stations on Big Creek, one above the reclamation area at St. David, Ill., and one below the area near Bryant, Ill., monitor changes in sediment load. One station is operated on Slug Run near Bryant, Ill., which drains an area scheduled to be reclaimed. Annually, size analyses are run on suspended sediment at these stations.

In cooperation with the Rock Island District, Corps of Engineers, daily suspended sediment sampling began at Henderson Creek near Oquawka, Ill, and Green River near Geneseo, Ill. on April 1. At the same time at these stations and at Rock River near Joslin, Ill., sampling began for bed load and bed material sizing during high discharge events. And on December 21, daily suspended sediment sampling began at Edwards River near New Boston, Ill. All these data were gathered for the Sediment and Erosion Work Group of the Great II Mississippi River Basin Study.

In April 1978, in cooperation with Federal Environmental Protection Agency (Energy R&D), six stations were established to determine sediment yield changes from drainage areas affected by coal strip mining. At these locations suspended-sediment samples are being collected monthly with increased sampling during high runoff periods. Three stations: Turkey Creek near Fiatt, South Branch Doza Creek near Lenzburg, Ill., and Little Cana Creek near Creal Springs, Ill., monitor sediment loads from natural drainage areas. The remaining stations: West Branch Big Creek near Canton, Ill., Doza Creek near Lenzburg, Ill., and Bankston Fork near Crab Orchard, Ill., monitor sediment loads from areas affected by strip mining.

Laboratory Activities

The Geological Survey laboratory in Iowa City, Ia., analyzed suspended-sediment samples collected by the Corps of Engineers at:

Mississippi River at Hannibal, Mo.
Hadley Creek at Kinderhook, Ill.
Bay Creek at Nebo, Ill.
Wapsipinicon River at DeWitt, Iowa
Iowa River at Marengo, Iowa
Iowa River at Coralville Dam, Iowa
Mississippi River at Burlington, Iowa
South Skunk River below Squaw Creek near Ames, Iowa
Mississippi River at Keokuk, Iowa
Des Moines River near Stratford, Iowa
Raccoon River at Van Meter, Iowa
North River near Norwalk, Iowa
Middle River near Indianola, Iowa
South River near Ackworth, Iowa
Des Moines River near Tracy, Iowa
White Breast Creek near Dallas, Iowa
Mississippi River at East Dubuque, Ill.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
P.O. Box 1026
605 North Neil Street
Champaign, IL 61820

District Chief, WRD
U.S. Geological Survey
1819 North Meridian Street
Indianapolis, IN 46202

District Chief, WRD
U.S. Geological Survey
P.O. Box 1230
Federal Building, Room 269
400 South Clinton Street
Iowa City, IA 52244

District Chief, WRD
U.S. Geological Survey
Post Office Building
Room 702
St. Paul, MN 55101

District Chief, WRD
U.S. Geological Survey
1400 Independence Road
Mail Stop 200
Rolla, MO 65401

District Chief, WRD
U.S. Geological Survey
1815 University Avenue
Room 200
Madison, WI 53706

UPPER MISSISSIPPI REGION

SOIL CONSERVATION SERVICE

1. Studies of sediment damages and determinations of sediment yields were made in the following watersheds:

a. Public Law 566

Major Drainage	Watershed	Stream	County(s)	State
Mississippi River	Little Wyaconda-Sugar	Little Wyaconda River and Sugar Crk	Scotland Clark Lewis	MO
Rock River	Upper Sugar River	Sugar River	Dane	WI

b. Public Law 639

Major Drainage	Watershed	Stream	County(s)	State
Minnesota River	Yellow Bank	Yellow Bank Crk	Grant Deuel Lac qui Parle	SD MN
Minnesota River	Lac qui Parle	Lac qui Parle	Deuel Brookings Lac qui Parle Yellow Medicine	SD MN
Minnesota River	Yellow Medicine	Yellow Medicine Crk	Lincoln Lyon Yellow Medicine	MN
Minnesota River	Redwood	Redwood Crk	Lincoln Pipestone Lyon Yellow Medicine Redwood	MN
Minnesota River	Cottonwood	Cottonwood Crk	Murray Lyon Redwood Brown Cottonwood	MN

c. River Basin Investigations

Major Drainage	Basin Reported	State
Wisconsin River	Wisconsin River	WI

Suspended sediment and bedload sampling were conducted by the Great River Environmental Action Team, Sediment and Erosion Control Work Group, at the following locations:

River	Location	State
Mississippi	Anoka-Lowry Avenue Bridge	MN
Mississippi	Winona-Burlington-Northern Railroad Bridge	MN
Zumbro	Kellogg	MN
Whitewater	Near Beaver	MN
Root	Near Houston	MN
South Fork Root	Near Houston	MN
Mississippi	McGregor	IA
Iowa	Dorchester	IA
Chippewa	Durand	WI
Black	Near Galesville	WI
Wisconsin	Muscoda	WI

2. Reservoir Sedimentation Surveys

a. A reservoir sedimentation survey was made on LeRoy Hemish pond in Yellow Medicine County, Minnesota.

b. A reservoir sedimentation survey was made on Lyle Harris pond in Lyon County, Minnesota.

c. A reservoir sedimentation survey was made on Mellinthin-Runholt pond in Lyon County, Minnesota.

LOWER MISSISSIPPI REGION

CORPS OF ENGINEERS

Lower Mississippi Valley Division

A draft report "Characterization of the Suspended Sediment Regime and Bed Material Gradation for the Mississippi River Basin" has been completed. The final report is being prepared for publication. This report provides average annual suspended sediment loads for major tributaries and the main stem Mississippi River as well as available information on bed material gradations. It features before and after sediment loads where reservoirs have been constructed and data are available. It also contains general information on land use changes.

Memphis District

Sampling at twenty-four sediment stations established in FY78 on the St. Francis River, Arkansas and its tributaries between Madison, Arkansas and Fisk, Missouri was continued. Suspended sediment, bed sediment, temperature and flow data are being collected on a monthly basis. Suspended sediment samplers DH76TM, DH78, D74ALTM and bed sampler BMH60 were used.

New Orleans District

Sediment Load Measurements

1. Suspended sediment and bed material sampling was continued at the ranges located in the Mississippi River at Coochie, La., and at Tarbert Landing, Ms., at a frequency of one per week; in the Old River Outflow Channel near Knox Landing, La., semimonthly; in the Atchafalaya River at Simmesport, La., weekly; monthly at Wax Lake Outlet at Calumet, La., and Lower Atchafalaya River at Morgan City, La. On the Red River samples were taken at Fulton, Ark., and Shreveport, La., weekly while at Alexandria, La., and above Old River Outflow Channel samples were taken semimonthly. Weekly sampling was continued in the Atchafalaya Basin at ranges located at Bayou Chene below Bayou Crook Chene, Lake Long below Bayou La Rompe, Little Tensas below Blind Tensas Cut, and East Access Channel above Chicot Pass.

2. Daily suspended sediment samples were taken on the Red River at Colfax, La.

3. A cooperative program with the US Geological Survey for collection and analysis of suspended sediment samples was in effect for stations located on the Mississippi River at St. Francisville, Plaquemine, Union, Luling Ferry, Violet, and Venice, La. Samples were taken on the Red River at Boyce and Moncla, La. The sampling frequency was monthly and the data will be published by USGS in its annual publication.

4. Suspended sediment samples were taken with a U.S. P-46, or U.S. P-61 sampler. Bed material samples were taken with a BM-54 sampler or drag bucket type sampler. Daily suspended sediment samples were taken with a trap type sampler.

Office Investigations

1. Use of a Digital Flow-Sediment Model of the Atchafalaya Basin developed in conjunction with the Hydrologic Engineering Center is continuing. The model is being used to study alternatives in preparation of the Atchafalaya Basin, Phase I GDM/Feasibility Study. This model is currently being recalibrated using data obtained from the Mississippi Basin Model in Clinton, Mississippi.

2. NOD is continuing development of a Flow-Sediment Model of the Mississippi River throughout the District.

3. A Flow-Sediment Model of the Red River Waterway is being used to study maintenance dredging associated with the construction sequence and the completed project.

4. As part of the LMVD Potamology Program (P-1), WES is compiling a report on the characterization of the suspended-sediment regime and the bed-material composition of the Mississippi River. The study will be completed shortly.

5. A Computer Data Base System is being built to store hydrographic data for the period of record in the New Orleans District.

6. A Computer Data Base System is being written to analyze, store and retrieve sediment data.

7. For NOD, WES is preparing a physical model and a mathematical model of the Atchafalaya Bay.

8. NOD, through a contract with LSU and as part of the LMVD Potamology Program, has digitized and stored on computer tape all available hydrograph surveys in the New Orleans District.

9. As part of the LMVD Potamology Program, NOD through a contract with University of Missouri-Rolla, is documenting changes in morphological charateristics in the Mississippi and Atchafalaya Rivers.

St. Louis District

A third resurvey of Carlyle Lake was conducted in 1979. This resurvey was required in order to evaluate and determine the accuracy between the computed volume of sediment deposited from the initial sediment survey (1971) and the sediment resurvey (1976). The data analysis has not been completed at this time. However, these results along with a report should be forthcoming this year if there is no higher priority work scheduled.

Sediment and retrogression ranges at both Rend Lake and Lake Shelbyville were surveyed in the spring of 1974. These reports were not submitted during calendar year 1979 due to higher priority work.

Suspended and bed samples were collected at Chester, Illinois, in conjunction with SLD Potamology Study (S-3). This study was completed in March 1979. Data collected during the study included 283 depth-integrated suspended sediment samples and 196 bed samples. River stage fluctuations at Chester, Illinois, during this study ranged from a low of zero to a high of 33 feet, with a corresponding discharge range from 60,000 to 650,000 cfs (Chester gage). Analysis of these data is incomplete at this time.

Vicksburg District

Sedimentation Surveys

1. Cross sections and profiles were made on various streams in the Vicksburg District for use in sediment, hydrology, and hydraulic studies and in the design of channel improvements, levees, floodgates, pumps and other flood control and navigation features.

2. A study begun in 1978 to determine the amount of sediment deposited in Grenada Reservoir was completed. The study indicates the rate of deposition in the reservoir has increased sufficiently since the last study in 1965; however, only 4% of the total volume in the reservoir has been lost.

Sediment Load Measurements

1. In connection with potamology investigations, there are three ranges located on the Mississippi River at Vicksburg, Mississippi; Arkansas City, Arkansas; and Natchez, Mississippi; where both bed samples and suspended sediment measurements are taken weekly.

2. For other sedimentation study, suspended sediment, bed material, temperature, discharge and stage were taken intermittently at seventy-one stations on Bayou LaFourche, Bayou Macon, Big Creek, Big Sunflower River, Black River, Boeuf River, Caddo River, Catahoula Diversion Canal, Coldwater River, Connerly Bayou, Ditch Bayou, Hickahala Creek, Little Missouri River, Little River, Little Tallahatchie River, Lower Auxiliary Channel, Macon Lake, Muddy Bayou, Ouatchita River, Panola-Quitman Floodway, Quiver River, Senatobia Creek, Tallahatchie River, Tchula Lake, Tensas Bayou, Tippah River, Tippo Bayou, Yalobusha River, Yazoo Backwater Connecting Channel, Yazoo River and Yocona River.

Other Investigations

1. A study was made using the HEC-6 Program on the Tensas River to determine the magnitude of deposition in the channel and the deposition rate for various design alternates. Various dredging intervals were then analyzed for each alternative to determine the most efficient maintenance dredging interval.

2. A water sediment model developed to analyze sediment problems in the Yazoo Basin in Mississippi was used to investigate alternatives with which to alleviate the sedimentation problems in the Greenwood bendway in the Yazoo Basin of the alternatives studied the two that produced the most stable channel was (1) a structure in the Greenwood bendway cutoff to distribute flows and sediment through the cutoff and bendway and (2) a plan which would make part of the Yazoo River bendway into a lake. Since both plans perform satisfactorily from a flood control and sediment standpoint they are now being considered from a cost standpoint.

3. A study was initiated by the Vicksburg District and Colorado State University to determine possible alternatives for reducing sediment inflow into the main stem Yazoo-Tallahatchie-Coldwater River System from its hill tributaries and to determine design of structural measures to reduce sediment problems. This study should be completed in October 1982.

4. A comprehensive data collection program was continued as part of the Yazoo Basin Streambank Erosion Control Evaluation and Demonstration Program. This data collection program has been contracted with the Agricultural Research Service and includes detailed water, sediment, and geology data collection, analysis, and evaluation on selected hill tributaries in the Yazoo Basin.

LOWER MISSISSIPPI REGION

GEOLOGICAL SURVEY

Lower Mississippi - Hatchie Subregion

1. In cooperation with the Tennessee Department of Public Health, Division of Water Quality Control, suspended-sediment discharge measurements are being made on a 6-week frequency at seven sites within the State of Tennessee.

2. Suspended-sediment data are being collected on a monthly basis at Mississippi River at Memphis, Tenn., at Obion River at Obion, Tenn., and at Hatchie River at Bolivar, Tenn., as a part of NASQAN.

Lower Mississippi - St. Francis Subregion

1. Suspended-sediment data are being collected on a monthly basis at St. Francis River at Parkin, Ark., St. Francis Bay at Riverfront, Ark., Arkansas River at Dam 2 near Gillette, Ark., and at White River at Clarendon, Ark., as a part of NASQAN.

Lower Mississippi - Yazoo Subregion

1. Suspended-sediment data are being collected on a monthly basis at Mississippi River near Arkansas City, Ark., Yazoo River near Shell Bluff, Miss., and at Yazoo River at Redwood, Miss., as a part of NASQAN.

Lower Red - Ouachita Subregion

1. Suspended-sediment data are being collected on a monthly basis at Ouachita River at Columbia, La., and at Red River near Simmesport, La., and at Ouachita River at Camden, Ark., as a part of NASQAN. Sediment data are being collected on a monthly basis at Big Creek at Pollock, La., as a part of the National Hydrologic Benchmark Network.

Boeuf - Tensas Subregion

1. Suspended-sediment data are being collected on a monthly basis at Tensas River at Tendal, La., and at Boeuf River at Fort Necessity, La., as a part of NASQAN.

Lower Mississippi - Big Black Subregion

1. Suspended-sediment data are being collected on a monthly basis at Mississippi River at Vicksburg, Miss., Big Black at Bovina, Miss., and at Homochitto Creek at Rosetta, Miss., as part of NASQAN.

Lower Mississippi - Lake Maurepas Subregion

1. Suspended-sediment data are being collected on a monthly basis at Amite River at 4-H Camp near Denham Spring, La., Tangipahoa River at Robert, La., Lower Grand River at Bayou Sorrel, La., and at Mississippi River near St. Francisville, La., as a part of NASQAN.

Louisiana Coastal Subregion

1. Suspended-sediment data are being collected on a monthly basis at Bayou Teche at Keystone Lock and Dam below St. Martinville, La., Mermentau River at Mermentau, La., Atchafalaya River near Melville, La., and at Caleasieu River near Kiner, La., as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at the following sites as a part of NASQAN.

Mississippi River at Belle Chasse, La.
Tchefuncta River near Covington, La.
Houma Navigation Canal at Houma, La.

Special Studies

In cooperation with the Tennessee Department of Transportation, the problem of scour at highway bridges is being investigated at known and potential problem sites across Tennessee. Reports documenting data and research findings are planned.

Monthly collection was begun at 23 stations on the St. Francis River and selected tributaries in October 1977 for the Corps of Engineers. Monitoring is expected to continue for 5 years. Following the 5-year period, the existing network may be reduced to a few stations that would be monitored more intensively.

Suspended-sediment data are collected on a weekly basis and for selected storm events on Tillatoba Creek below Oakland, Miss., and South Fork Tillatoba Creek near Charleston, Miss. This information is collected in cooperation with the U.S. Soil Conservation Service in order to estimate the sediment loads of Tillatoba Creek during periods of high discharge.

Laboratory Activities

The Geological Survey sediment laboratory located in Baton Rouge, La., analyzed suspended-sediment and bed-material samples collected by the U.S. Corps of Engineers at the following locations:

Red River at Alexandria
Old River Outflow near Knox Landing
Red River above Old River Outflow
Mississippi River at Coochie
Mississippi River at Tarbert Landing

Atchafalaya River at Simmesport
Bayou Chen above Bayou Crook Chen
East Access Channel above Lake Chicot
Lake Long below Bayou LaRompe
Little Tensas below Blind Tensas Cut
Lower Atchafalaya River at Morgan City
Wax Lake Outlet at Calumet

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Federal Office Building
Room 2301
700 West Capitol Avenue
Little Rock, AR 72201

District Chief, WRD
U.S. Geological Survey
P.O. Box 66492
6554 Florida Boulevard
Baton Rouge, LA 70896

District Chief, WRD
U.S. Geological Survey
100 W. Capitol St., Suite 710
Jackson, MS 39201

District Chief, WRD
U.S. Geological Survey
Federal Building and U.S. Courthouse
Room A-413
Nashville, TN 37203

CORPS OF ENGINEERS

North Central Division

St. Paul District

Sediment loads were measured by the US Geological Survey at seven river stations (Wild Rice, two at Sheyenne, two at Pembina, Souris and Little South Pembina Rivers) under the St. Paul District sponsorship.

SOURIS-RED-RAINY REGION

GEOLOGICAL SURVEY

Souris Subregion

1. Suspended-sediment data are being collected on a daily basis at Souris River near Sherwood, N. Dak., as part of the Waterways Treaty program with the U.S. Department of State.

2. Suspended-sediment data are being collected on a monthly basis at Souris River near Foxholm, N. Dak., in connection with a pre-impoundment quality water study in cooperation with the U.S. Corps of Engineers.

3. Suspended-sediment data are being collected on a monthly basis at Souris River near Westhope, N. Dak., as part of the National Stream Quality Accounting Network (NASQAN).

4. Suspended-sediment data are being collected on a monthly basis at Souris River near Verendrye, N. Dak., and at Wintering River near Karlsruhe, N. Dak., as part of the Missouri River Basin program.

5. Suspended-sediment data are being collected on a monthly basis at West Branch Short Creek near Columbus, N. Dak., as part of the Coal Hydrology Program.

Red Subregion

1. Suspended-sediment data are being collected on a daily basis at Sheyenne River at Lisbon, N. Dak., (discontinued Sept. 30, 1979), and at Sheyenne River at Kindred, N. Dak., in connection with a pre-impoundment study in cooperation with the U.S. Corps of Engineers.

2. Suspended-sediment data are being collected on a monthly basis at Wild Rice River near Abercrombie, N. Dak., and at Red River of the North at Hickson, N. Dak., as part of the Missouri River Basin program.

3. Suspended-sediment data are being collected on a monthly basis at Beaver Creek near Finley, N. Dak., as a part of the National Hydrologic Benchmark Network.

4. Suspended-sediment data are being collected on a monthly basis at Red River of the North at Halstad, Minn., and at Red River of the North at Emerson, Manitoba, Canada, and at the Redlake River at Crookston, Minn., as a part of NASQAN.

5. Suspended-sediment data are being collected at Pembina River near Vang, N. Dak., (discontinued Sept. 30, 1979), at Little South Pembina River near Walhalla, N. Dak., (discontinued Sept. 30, 1979), and at Pembina River near Walhalla, N. Dak., in cooperation with the U.S. Corps of Engineers.

6. Suspended-sediment data are being collected on an intermittent basis at Buffalo River near Dilworth, Minn., in cooperation with the Minnesota Department of Natural Resources, Division of Waters.

7. Suspended-sediment data are being collected on a daily basis at Wild Rice River at Twin Valley, Minn., in cooperation with the U.S. Corps of Engineers.

8. Suspended-sediment measurements were made during floods at the following sites:

Wild Rice River above Ada, Minn.
So. Br. Wild Rice River near Felton, Minn.
So. Br. Wild Rice near Borup, Minn.
Wild Rice River near Perley, Minn.
Wild Rice River above So. Br. near Borup, Minn.
State Ditch 45 near Felton, Minn.
Wild Rice River at Hendrum, Minn.
Marsh River near Shelly, Minn.
Marsh River Ditch near Ada, Minn.
Sandhill River near Climax, Minn.
Red Lake River at Highlanding near Goodridge, Minn.
Thief River near Thief River Falls, Minn.
Ruffy Brook near Gonvick, Minn.
Clearwater River at Plummer, Minn.
Lost River at Oklee, Minn.
Clearwater River at Red Lake Falls, Minn.
Snake River at Warren, Minn.
Snake River at Alvarado, Minn.
Middle River at Argyle, Minn.
So. Br. Two Rivers at Lake Bronson, Minn.
Two Rivers at Hallock, Minn.
Roseau River below S. Fork near Malung, Minn.
Roseau River below Roseau, Minn.
Sprague Creek near Sprague, Manitoba
Roseau River at Ross, Minn.

Rainy Subregion

1. Suspended-sediment data were collected on a monthly basis at Little Fork River at Littlefork, Minn., at Roseau River below State Ditch 51 near Caribou, Minn, at Red Lake River near Crookston, Minn., and at Rainy River at Manitou Rapids, Minn., as a part of NASQAN.

Special Studies

Suspended-sediment data were collected during periods of high flow at four sites in the Park River basin, N. Dak., in cooperation with the U.S. Soil Conservation Service.

9. Suspended-sediment measurements were made during floods at the following sites:

Sturgeon River near Chisholm Minn.
Rapid River near Baudette, Minn.

For additional information about Geological survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Post Office Building, Room 702
St. Paul, MN 55101

District Chief, WRD
U.S. Geological Survey
821 East Interstate Avenue
Bismarck, ND 58501

SOIL CONSERVATION SERVICE

1. Special Study

Suspended sediment samples are being collected under contract by the USGS on the North Branch of the Park River watershed in Cavalier, Pembina, and Walsh Counties, North Dakota.

MISSOURI BASIN REGION

CORPS OF ENGINEERS

Missouri River Division

Kansas City District

Suspended Sediment Measurements. The Kansas City District operated 22 suspended sampling stations during this calendar year.

1. There are three long term stations on the Missouri River, St. Joseph, Kansas City, and Herman, Missouri. At these stations DI's are collected each week and a full set of points each month. Bed material samples are collected each time a suspended sample is taken.

2. On the main stem of the Kansas River, seven stations are presently operated. Three are quasi long term stations, i.e., different agencies have collected with one or two year gaps between period of continuous sampling and/or a station has been moved due to loss in channel control. The three stations are Wamego, Lecompton, and DeSoto, Kansas. The four other stations are short term and will be discontinued at the end of the Bank Stabilization Study or just prior to its completion. One tributary at Eudora, Kansas, is included in these temporary special data collection stations.

3. The remaining stations are for more routine data collections, such as reservior inflows/outflow trap efficiency, gross density, storage allocation for sediment, etc.

4. One station at Warsaw, Missouri, is being utilized for a downstream erosion study in relation to hydropower releases as well as sediment record. A turbidity suspended sediment relationship is being attempted both with DI's and surface samples. Additional samples, both surface and DI's, have been used for water chemistry to determine salts that can be used to compute the SAR of the eroding fluid.

Lake Sedimentation Investigations. The initial resurvey reports for Tuttle Creek, Pomona, and Pomme de Terre Lakes are still pending and will be finalized when other special studies with higher priority are completed. Perry Lake sedimentation and degradation ranges have been resurveyed and are being compiled and plotted. An inflow measurement station is being continued until insitu lake data can be performed (cores, density, etc.). Preliminary advance range monument location was initiated by the Survey Section at Milford and Rathburn Lakes. Surveys are being conducted presently at Rathburn Lake. Some surveying work at the following lakes is still pending; however, most of these ranges are in the flood pools and are awaiting easement negotiation.

Smithville Lake

Harry S. Truman Reservoir

Special Studies.

1. Kansas River

(a) The bank stabilization study is continuing. Little data were collected this past year because of other studies. However, data collected included cross section surveys and bed materials at key ranges for input into HEC 6 in order to reconsititute observed phenomena. Results to date are not conclusive. A contract was let to HEC to modify HEC 6 for mechanical removal of bed materials (dredging). It is understood that this mod is nearing completion and will be received in the near future.

(b) The navigation study for the lower Kansas is continuing between the mouth and Turner. Bed materials and water samples were taken for elutriate testing and delivered to the EPA and Division laboratories. The labortories have completed their testing, but the final results are unknown at present.

2. Sac River

(a) In August, monitoring downstream for a complete hydropower release cycle was conducted again. Data were collected at 30± minute intervals continuously from the initial rise in stage through the crest until a noticeable decrease in stage occurred on the back side of the hydrograph. The primary location of these data collections was performed at Highway J where DI's, points, and velocities were taken. Other data were collected below the outlet works, above and below the cutoff, and downstream at Caplinger Mills (nr) (a rated station). Sediment concentration and turbidity analysis correlations will be made at all these downstream stations.

(b) Attempts were made to determine withdrawal velocities in Stockton Lake immediately above the weir during power generation. Circular current patterns observed coupled with the low velocities measured throughout the vertical raised more questions about the methodology, equipment used, and hydrodynamics than the intended purpose of the data collected. Neither a 100# P-61 weight nor the Price current meter would align themselves in a particular direction to indicate streamlining, rather these pieces of equipment rotated randomly very slowly clockwise and then counter. No recognizable period of oscillation was deteted.

3. Osage River. (Downstream HST DAM). A considerable amount of data was collected for a distance of 40 to 45 miles downstream of the dam. These data were collected for a contractor to be used in his evaluation of potential bed and bank erosion, turbidity attenuation or dampening due to power releases. Early in the year, velocity

distributions were made, both longitudinal and laterally, water surface elevations measured for development of water surface profiles, suspended sediment samples were collected both insitu longitudinally and an increased sampling was made at the Warsaw gage. Water samples were collected for testing soil samples and chemistry ion analyzed. Bed and bank materials were sampled, bed fluff measurements were made, longitudinal bed profiles were sounded along with attempts to measure insitu densities and take multidepth soundings. New cross sections were laid out and surveyed. Surveys were made of the existing Union Electric ranges both along the main stem and in the tributaries. A contractor's study of the sedimentation and erosion potential should be forthcoming in April 1980.

4. Missouri River. A month of effort and manpower was extended in sediment and velocity data collection in an attempt to aid Operations Division with the testing and evaluation of the "Elsie M." The "Elsie M" is a modified LCM with hydraulic deflector plates added to deflect the twin screw prop wash in a downward direction to the bed and scour bed materials. A considerable amount of testing was conducted in an off channel area in an attempt to determine the most effective method of operation. Data collected consisted of suspended sediments, bed materials, and velocity distribution prior to the testing, and suspended sediments and velocity during the tests. An evaluation report is being prepared by the Operations Division at this time.

Omaha District

Sediment Load Measurements. The measurement and computation of suspended sediment load records were continued at eight stations. Of these, two are Missouri River mainstem stations, four are major tributary stations and two are minor tributary stations. The U. S. Geological Survey operates the four major and two minor tributary stations under a cooperative stream gaging program which includes computation and publication of sediment load records. In addition, with the Corps' assistance, they collect suspended and bed sediment samples, including flow velocities in the Missouri River at Nebraska City, Nebraska; Omaha, Nebraska; Sioux City, Iowa and Ponca, Nebraska and two new stations at Maskell, Nebraska and Gayville, South Dakota. The data include five to seven point integrated samples per stream vertical at a minimum of five vertical locations in the channel cross-section; as well as one bed sample of each vertical using a BM-54 sampler. The sampling data, including the velocity measurements, are obtained from a boat at each station at about six week intervals during the open water season. It is intended that this data will be used to document the bed material load being transported by the Missouri River. The Corps operates PS-69 automatic samplers at the two minor tributary stations in the Omaha Metropolitan area. Suspended sediment load records for stations operated under the cooperative program are published annually in the USGS Water Data reports.

Reservoir Sedimentation Activities.

1. Garrison Project. The resurvey of the Garrison aggradation reach started in 1978 was completed.

2. Gavins Point Project. A complete sedimentation resurvey was made of the degradation reach below Gavins Point Dam. Observations included profiling of all degradation ranges and bed surface sampling to determine degradation and/or armoring trends and bank erosion in the reach. This resurvey, originally scheduled for 1981, was moved ahead to 1979 in order to provide field survey data for use in a dye study to determine the mixing characteristics of Lewis and Clark Lake.

3. Big Bend Project. A complete sedimentation resurvey was made of the aggradation reach above Big Bend Dam. Observations included profiling all aggradation ranges and collection of bed material and suspended sediment samples in the headwater reach. The reservoir resurvey data will be used to update water volume and sediment accumulation values.

4. Oahe Project. A complete sedimentation resurvey was made of the degradation reach below Oahe Dam.

Other Investigations.

1. Missouri River bed surface samples were gathered in conjunction with Kansas City personnel along the 750 miles of river from Ponca, Nebraska to St. Louis, Missouri. The channel bed was sampled every 5 miles at 5 to 7 lateral positions. A size gradation determination for each sample is being performed at the Missouri River Division Laboratory.

2. Two new sediment sampling stations were established in the "Wild and Scenic River" reach of the Missouri River between Gavins Point Dam and Ponca, Nebraska as part of the 1979 F.Y. Cooperative Stream Gaging Program with the USGS. The new sites are located near Gayville and Maskell, Nebraska. An additional site was also re-established at Sioux City, Iowa. The sampling effort at the new sites will require conjunctive point and velocity measurements, bed samples, and discharge measurements from a boat at about four to six week intervals during the open water season.

3. The first phase of the Missouri River Degradation Study, begun in 1978, was completed and is being finalized into draft report form. As part of the study objective to assess the ultimate level of degradation in the river reach extending from Gavins Point Dam to the Platte River confluence, major study items included transient impacts of river channel bend cutoffs, channel stabilization works, changed flow regime and degradation impacts of the dam construction. Concurrent investigations of stage-discharged rating curve trends, spatial and temporal changes in water surface slopes, and changes in channel flow roughness were also made. Continued efforts will be made during the coming year to assess the time rate of degradation and evaluate the feasibility of alternative solutions to adverse impacts.

4. A study was conducted in conjunction with a proposed Section 22 action to determine the feasibility of dredging Wall Lake, in South Dakota, to improve lake water quality conditions.

5. A contract was initiated with Dr. Khalid Mahmood at Rockville, Maryland to interpret and analyze digital data obtained in a test of a multi-channel bed profiler. In general, the work will consist of a reassessment of sediment movement in the Missouri River and a comparison against theoretical transport functions.

6. A report was published entitled "Sediment Transport Relationships." It presents a new sediment transport program for computing the total sand load based on data collected from a comprehensive Missouri River sediment and flow data collection program.

7. A dye study was conducted, under contract by the Sutron Corporation, of the Missouri River Reach from Fort Randall Dam to Sioux City, Iowa. Work Items included coordinating the data collection, injecting the dye, collecting samples and supporting hydrologic data, analyzing dye samples and preparing a report of the findings. Data gathered will be used to:

(a) Modify the two-dimensional mathematical model for mixing processes in the Missouri River (previously developed by Sutron, Inc.) to apply to the waters below Gavins Point Dam. Emphasis will be given to modeling flows around islands.

(b) Modify the dimension requirements of the two-dimensional mixing model to apply to conditions in Lewis and Clark Lake. This will require increasing the grid size in the lateral direction from 10 to 100 grid points, permitting the use of streamlines as grid lines, and including algorithms to model the transport and deposition of the finer grain size sediments.

8. Several reports and letters were written concerning shoreline erosion along mainstem project boundaries. Problems addressed included:

(a) Design of protective measures for preservation of an archaeological site along the shore of Lake Oahe.

(b) Design of protective revetment for a private development in danger of encroachment by Lake Oahe.

MISSOURI REGION

GEOLOGICAL SURVEY

Saskatchewan Subregion

1. Suspended-sediment data are being collected on a monthly basis at St. Mary's River at Montana, U.S.A.--Alberta, Canada border, as a part of the National Stream Quality Accounting Network (NASQAN).

Missouri-Marias Subregion

1. Suspended-sediment data are being collected on a daily basis at two sites on Muddy Creek near Vaughn, Mont., to monitor irrigation practices.

2. Suspended-sediment data are being collected on a monthly basis at Missouri River at Toston, Mont., and at Marias River near Chester, Mont., as a part of NASQAN.

Missouri - Musselshell Subregion

1. Suspended-sediment data are being collected on a daily basin at Missouri River near Landusky, Mont., in cooperation with the U.S. Corps of Engineers.

2. Suspended-sediment data are being collected on a monthly basis at the following as a part of NASQAN:

Missouri River at Virgelle, Mont.
Musselshell River at Mosby, Mont.
Missouri River below Fort Peck Dam, Mont.

3. Suspended-sediment data are being collected on a monthly basis at the following sites in cooperation with the Bureau of Land Management:

Rehder Coulee near Klein, Mont.
Half Breed Creek near Klein, Mont.
Musselshell River near Roundup, Mont.
East Parrot Creek near Roundup, Mont.
West Parrot Creek near Roundup, Mont.
Fattig Creek near Delphia, Mont.

4. Suspended-sediment data are being collected periodically at Crow Rock Creek near Cohagen, Mont., as part of Coal Hydrology program.

Milk Subregion

1. Suspended-sediment data are being collected on a monthly basis at Milk River at Nashua, Mont., as a part of NASQAN.

2. Suspended-sediment data are being collected on a quarterly basis at Little Peoples Creek near Hays, Mont., and Boxelder Creek near Rocky Boy, Mort., as part of the Federal CBR program.

3. Suspended-sediment data are being collected on a monthly basis at Rock Creek below Horse Creek at the international boundary, as a part of the National Hydrologic Benchmark Network.

Missouri - Poplar Subregion

1. Suspended-sediment data are being collected on a monthly basis at Redwater River at Circle, Mont., and at Redwater Creek near Vida, Mont., as a part of the Federal CBR program.

2. Suspended-sediment data are being collected on a monthly basis at East Poplar River at international boundary in cooperation with the Department of State (International Joint Commission).

3. Suspended-sediment data are being collected on a monthly basis at the following sites to define water quality characteristics of the Poplar River Basin in cooperation with the Environmental Protection Agency:

Poplar River at international boundary
East Fork Poplar River near Scobey, Mont.
Poplar River above West Fork near Bredette, Mont.
West Fork Poplar River near Bredette, Mont.
Poplar River near Poplar, Mont.

4. Suspended-sediment data are being collected on a monthly basis at Missouri River near Culbertson, Mont., as a part of NASQAN.

5. Suspended-sediment data are being collected on a monthly basis at Big Muddy Creek near Antelope, Mont., as part of the Federal CBR program.

Upper Yellowstone Subregion

1. Suspended-sediment data are being collected on a daily basis at Yellowstone River at Billings, Mont., as a part of the Federal CBR program.

2. Suspended-sediment data are being collected on a monthly basis at Yellowstone River at Huntley, Mont., in cooperation with the Environmental Protection Agency.

3. Suspended-sediment data are being collected on a monthly and storm-event basis from March to October at Big Sand Coulee at Montana-Wyoming State Line, in cooperation with the U.S. Bureau of Land Management.

4. Suspended-sediment data are being collected on a monthly basis at Yellowstone River near Livingston, Mont., as part of NASQAN.

Big Horn Subregion

1. Suspended-sediment data are being collected on a monthly basis at Bighorn River at Bighorn, Mont., as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly and storm-event basis at East Fork Wind River near Dubois, Wyo, in cooperation with the U.S. Bureau of Indian Affairs.

3. Suspended-sediment data are being collected on a monthly and storm-event basis at Wind River near Crowheart, Wyo., at Nowood River near Tensleep, Wyo., and at Shoshone River near Lovell, Wyo., in cooperation with the Wyoming State Engineer.

4. Suspended-sediment data are being collected on a daily basis at the following sites, in cooperation with the U.S. Bureau of Land Management:

Dry Creek near Bonneville, Wyo.
East Fork Nowater Creek near Calter, Wyo.
Fifteenmile Creek near Worland, Wyo.

5. Suspended-sediment data are being collected on a quarterly basis at Bighorn River at Kane, Wyo., as a part of the Missouri River Basin Program.

6. Suspended-sediment data are being collected on a weekly basis during irrigation season at Wyoming Canal near Lenore, Wyo., and at Wyoming Canal below Pilot Wasteway near Morton, Wyo., in cooperation with the U.S. Bureau of Reclamation, Upper Missouri Region.

7. Suspended-sediment data are being collected on a quarterly basis at Middle Fork Fifteenmile Creek near Worland, Wyo., in cooperation with the Bureau of Land Management.

8. Suspended-sediment data are being collected on a monthly and storm-event basis at Fivemile Creek near Shoshoni, Wyo., as a part of the Missouri River Basin program.

Powder-Tongue Subregion

1. Suspended-sediment data are being collected on a daily basis at Tongue River at Brandenberg Bridge, Mont., at Tongue River at Miles City, Mont., and at Powder River at Locate, Mont.

2. Suspended-sediment data are being collected on a daily basis during spring runoff and summer periods at Powder River at Moorhead, Mont., and at Powder River at Broadus, Mont.

3. Suspended-sediment data are being collected on a monthly basis at Tongue River at Birney Day School Bridge near Birney, Mont., in cooperation with the Environmental Protection Agency.

4. Suspended-sediment data are being collected on a monthly storm-event basis at the following sites in cooperation with the Wyoming State Engineer:

Goose Creek below Sheridan, Wyo.
Little Powder River above Dry Creek, near Weston, Wyo.

5. Suspended-sediment data are being collected on a daily basis at Powder River at Arvada, Wyo., in cooperation with the U.S. Bureau of Land Management.

6. Suspended-sediment data are being collected on monthly storm-event basis at Clear Creek near Arvada, Wyo., in cooperation with the U.S. Bureau of Land Management.

7. Suspended-sediment data are being collected on a monthly storm-event basis at the following sites in connection with the Federal CBR program:

Salt Creek near Sussex, Wyo.
Powder River near Sussex, Wyo.
Crazy Woman Creek at upper station, near Arvada, Wyo.
Clear Creek below Rock Creek, near Buffalo, Wyo.
Clear Creek at Ucross, Wyo.
Little Powder River below Corrall Creek, near Weston, Wyo.
Little Powder River near Weston, Wyo.

8. Suspended-sediment data are being collected on a monthly basis in cooperation with the Bureau of Land Management:

Spring Creek near Decker, Mont.
Squirrel Creek near Decker, Mont.
Tongue River at Tongue River Dam, near Decker, Mont.
Prairie Dog Creek near Birney, Mont.
Hanging Woman Creek at state line, near Otter, Mont.
Waddle Creek near Otter, Mont.
Trail Creek near Otter, Mont.
East Trail Creek Otter, Mont.
Corral Creek near Otter, Mont.
Horse Creek near Birney, Mont.
Hanging Woman below Horse Creek, near Birney, Mont.
Hanging Woman Creek near Birney, Mont.
Otter Creek near Otter, Mont.
Otter Creek below Fifteen Mile Creek, near Otter, Mont.
Home Creek near Ashland, Mont.
Otter Creek at Ashland, Mont.
Pumpkin Creek near Miles City, Mont.
Mizpah Creek ner Mizpah, Mont.
Locate Creek near Ismay, Mont.

9. Suspended-sediment data are being collected daily, March through September, at Powder River at Moorhead, Mont., and Powder River at Broadus, Mont., as part of the Federal CBR program.

Lower Yellowstone Subregion

1. Suspended-sediment data are being collected on a daily basis at Yellowstone River near Sidney, Mont., in cooperation with the U.S. Corps of Engineers.

2. Suspended-sediment data are being collected on a daily basis at Yellowstone River at Forsyth, Mont.

3. Suspended-sediment data are being collected on a monthly basis at the following sites in cooperation with the U.S. Bureau of Land Management:

Sarpy Creek near Hysham, Mont.
East Fork Armelles Creek near Colstrip, Mont.
Armelles Creek near Forsyth, Mont.
Rosebud Creek at reservation boundary near Kirby, Mont.
Rosebud Creek near Colstrip, Mont.
Cow Creek near Colstrip, Mont.
Snyder Creek near Brandenburg, Mont.
Rosebud Creek at mouth, near Rosebud, Mont.
Cherry Creek near Terry, Mont.
Glendive Creek near Glendive, Mont.
Cottonwood Creek near Intake, Mont.
Beaver Creek near Wibaux, Mont.

4. Suspended-sediment data are being collected on a monthly basis at Yellowstone River near Miles City, Mont., and Yellowstone River near Terry, Mont., in cooperation with the Environmental Protection Agency.

5. Suspended-sediment data are being collected on a periodic basis for coal hydrology investigations at the following sites:

Muster Creek near Kinsey, Mont.
Custer Creek near Kinsey, Mont.
O'Fallon Creek near Ismay, Mont.
Clear Creek near Hoyt, Mont.
Upper Sevenmile Creek near Lindsay, Mont.
Deer Creek near Glendive, Mont.

Missouri-Little Missouri Subregion

1. Suspended-sediment data are being collected on a monthly basis at Missouri River near Williston, N. Dak., in cooperation with the Environmental Protection Agency.

2. Suspended-sediment data are being collected on a monthly basis at Bear Den Creek near Mandaree, N. Dak., as part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected on a monthly basis at Little Missouri River near Watford City, N. Dak., as part of NASQAN.

4. Suspended-sediment data are being collected on a monthly basis at the following sites as part of the Coal Hydrology program:

Stony Creek near Williston, N. Dak.
Beaver Creek near Ray, N. Dak.
Deep Creek near Amidon, N. Dak.
Beaver Creek near Trottlers, N. Dak.

Cheyenne Subregion

1. Suspended-sediment data are being collected on a monthly basis at Belle Fourche River near Elm Springs, S. Dak., and at Cheyenne River at Cherry Creek, S. Dak, as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at Castle Creek above Deerfield Dam, near Hill City, S. Dak., as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected on a monthly and storm-event basis at Red Water Creek at Wyoming - South Dakota State line in cooperation with the Wyoming State Engineer.

4. Suspended-sediment data are being collected on a monthly and storm-event basis at Cheyenne River near Dull Center, Wyo., as a part of the Federal energy program.

5. Suspended-sediment data are being collected on a monthly and storm-event basis at Dry Fork Cheyenne River near Bill, Wyo., at Belle Fourche River below Moorcraft, Wyo., and at Lance Creek near Riverview (formerly known as near Spencer, Wyo.), Wyo., in cooperation with the U.S. Bureau of Land Management.

6. Suspended-sediment data are being collected on a daily basis at Belle Fourche River below Rattlesnake Creek, near Piney, Wyo., and at Belle Fourche River above Dry Creek, near Piney, Wyo., in cooperation with the U.S. Bureau of Land Management.

7. Suspended-sediment data are being collected on a monthly storm-event basis at the following sites as part of the Federal energy program:

Antelope Creek near Teckla, Wyo.
Lodgepole Creek near Hampshire, Wyo.
Little Thunder Creek near Hampshire, Wyo.
Caballo Creek at mouth, near Piney, Wyo.
Raven Creek near Moorcraft, Wyo.
Donkey Creek near Moorcraft, Wyo.

Missouri-Oahe Subregion

1. Suspended-sediment data are being collected on a monthly basis at Spring Creek near Zap, N. Dak., in cooperation with the U.S. Environmental Protection Agency.

2. Suspended-sediment data are being collected on a monthly basis at Knife River at Hazen, N. Dak., at Grand River at Little Eagle, S. Dak., at Moreau River near Whitehorse, S. Dak., at Heart River near Mandan, N. Dak., and at Cannonball River at Breien, N. Dak., as a part of NASQAN.

3. Suspended-sediment data are being collected at Missouri River at Bismarck, N. Dak., in cooperation with the U.S. Corps of Engineers.

4. Suspended-sediment data are being collected on a monthly basis at Apple Creek near Mehoken, N. Dak., as part of the Missouri River Basin program.

5. Suspended-sediment data are being collected on a monthly basis during periods of flow at the following sites as part of the Coal Hydrology program:

Knife River at Manning, N. Dak.
Stray Creek near Manning, N. Dak.
Knife River at Marshall, N. Dak.
Elm Creek near Golden Valley, N. Dak.
Coyote Creek near Zap, N. Dak.
Brush Creek near Beulah, N. Dak.
Spring Creek below Lake Ilo at Dunn Center, N. Dak.
Spring Creek near Halliday, N. Dak.
Antelope Creek above Hazen, N. Dak.
Antelope Creek Tributary near Hazen, N. Dak.
Coal Creek near Stanton, N. Dak.
Alderin Creek near Fort Clark, N. Dak.
Missouri River Tributary 2 near Hensler, N. Dak.
Coal Lake Cl near Hensler, N. Dak.
Buffalo Creek near Washburn, N. Dak.
Square Butte Creek near Hannover, N. Dak.
Square Butte Creek above Nelson Lake near Center, N. Dak.
Hagel Creek near Center, N. Dak.
Norwegian Creek near Belfield, N. Dak.
S Branch Heart River near South Heart, N. Dak.
North Creek near South Heart, N. Dak.
Heart River near South Heart, N. Dak.
Green River near New Hradec, N. Dak.
Cannonball River at New England, N. Dak.
Coal Bank Creek near Havelock, N. Dak.
Cannonball River at Regent, N. Dak.
Timber Creek near Bentley, N. Dak.
Buffalo Creek Tributary near Gascoyne, N. Dak.

Missouri- White Subregion

1. Suspended-sediment data are being collected on a monthly basis at Missouri River at Pierre, S. Dak., and at Missouri River below Ft. Randall Dam, S. Dak., as a part of NASQAN.

2. Suspended-sediment data are being collected on a daily basis at Bad River near Ft. Pierre, S. Dak., in cooperation with the U.S. Corps of Engineers.

Niobrara Subregion

1. Suspended-sediment data are being collected on a daily basis at Niobrara River near Verdel, Nebr., in cooperation with the U.S. Corps of Engineers, and as part of NASQAN.

James Subregion

1. Suspended-sediment data are being collected on a monthly basis at James River near Scotland, S. Dak., and at James River near Columbia, S. Dak. as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at James River at LaMoure, N. Dak., and at James River near Columbia, S. Dak.

Missouri - Big Sioux Subregion

1. Suspended-sediment data are being collected on a monthly basis at Big Sioux River at Akron, Iowa, as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at Big Sioux River near Dell Rapids, S. Dak.

3. Suspended-sediment data are being collected six times a year on the Missouri River near Gayville, S. Dak., Missouri River near Maskall, Nebr., and Missouri River near Ponca, Nebr., in cooperation with the U.S. Corps of Engineers.

North Platte Subregion

1. Suspended-sediment data are being collected on a monthly basis at Buffalo Creek near Hebron, Colo., at Grizzly Creek near Spicer, Colo. at Grizzly Creek near Hebron, Colo., at Little Grizzly Creek above Coalmont, Colo., and Little Grizzly Creek above Hebron, Colo. in cooperation with Jackson County, Colo.

2. Suspended-sediment data are being collected on a daily basis at Canadian River near Lindland, Colo., and at Canadian River near Brownlee, Colo., as a part of the Federal CBR program.

3. Suspended-sediment data are being collected on a monthly basis at North Platte River near Lisco, Nebr., as part of NASQAN.

4. Suspended-sediment data are being collected on a monthly basis at Encampment River above Hog Park Creek, near Encampment, Wyo, as a part of the National Hydrologic Benchmark Network.

5. Suspended-sediment data are being collected on a monthly and storm-event basis at the following stations in cooperation with the Wyoming State Engineer:

Little Medicine Bow River near Medicine Bow, Wyo.
Medicine Bow River above Seminoe Reservoir, near Hanna, Wyo.
Sweetwater River near Alcova, Wyo.
North Platte River at Casper, Wyo.
North Platte River at Orin, Wyo.
Laramie River near Fort Laramie, Wyo.
North Platte River at Wyoming - Nebraska State line

6. Suspended-sediment data are being collected on a monthly and storm-event basis at the following stations in cooperation with the U.S. Bureau of Land Management:

Sage Creek near Saratoga, Wyo.
Big Ditch near Coyote Springs, Wyo.
North Ditch near Coyote Springs, Wyo.
Hannah Draw near Hanna, Wyo.

7. Suspended-sediment data are being collected on a monthly basis at Sand Creek near Glenrock, Wyo., for the Federal CBR program.

8. Suspended-sediment data are being collected on a daily basis from April through September at North Platte River at Orin, Wyo., (in addition to monthly and storm-event sampling), at North Platte River below Guernsey Reservoir, Wyo., and at North Platte River below Whalen Diversion Dam, Wyo., in cooperation with the Wyoming State Engineer.

South Platte Subregion

1. Suspended-sediment data are being collected on a daily basis during the irrigation season April thru October at South Platte River near Weldona, Colo., starting April 1977, and bi-monthly at 15 sites on irrigation canals in the Weldona, Colo., area. This activity was in cooperation with the U.S. Bureau of Reclamation, Lower Missouri River Basin Region (discontinued September 30, 1979).

2. Suspended-sediment data are being collected on a monthly basis at South Platte River at Julesburg, Colo., as a part of NASQAN.

3. Suspended-sediment data are being collected on a monthly basis at Tarryall Creek near Jefferson, Colo., as part of the Federal CBR program.

4. Suspended-sediment data are being collected on a monthly basis at the following sites in cooperation with the Lefthand St. Vrain Water Conservation District.

St. Vrain Creek at Lyons, Colo.
Lefthand Creek at mouth, at Longmont, Colo.
St. Vrain Creek below Longmont, Colo.

Platte Subregion

1. Suspended-sediment data are being collected on a monthly basis at Platte River near Duncan, Nebr., as part of NASQAN.

2. Suspended-sediment data are being collected on a miscellaneous basis at Mill Creek at Louisville, Nebr., and Cedar Creek near Louisville, Nebr., and at Four-mile Creek near Plattsmouth, Neb., in cooperation with the Nebraska Department of Water Resources.

3. Suspended-sediment data are being collected on a daily basis at Platte River at Louisville, Nebr., in cooperation with the U.S. Corps of Engineers, Omaha District, and as part of NASQAN.

4. Suspended-sediment data are being collected on a monthly basis at Salt Creek at Greenwood, Nebr., and on an intermittent basis at Rock Creek near Ceresco, Nebr., in cooperation with the Nebraska Natural Resources Commission.

5. Suspended-sediment data are being collected on a miscellaneous basis at Platte River at North Bend, Nebr., in cooperation with the Nebraska Natural Resources Commission.

Loup Subregion

1. Suspended-sediment data are being collected on a monthly basis at Loup River near Genoa, Nebr., as part of NASQAN.

Elkhorn Subregion

1. Suspended-sediment data were collected through September 30, 1979, on an intermittent basis during periods of high flow at Elkhorn River near Norfolk, Nebr., on a miscellaneous basis at Elkhorn River at Waterloo, Nebr., and Logan Creek at Pender, Nebr., in cooperation with the Nebraska Natural Resources Commission.

Missouri - Little Sioux Subregion

1. Suspended-sediment data which includes bed-material, suspended-sediment samples, and velocities at several points in a vertical, are being collected at the following stations in cooperation with the Corps of Engineers, Omaha District:

Missouri River near Ponca, Nebr. (replaces site near Sioux City, Iowa)
Missouri River at Omaha, Nebr.
Missouri River at Nebraska City, Nebr.

2. Suspended-sediment data are being collected at Missouri River at Sioux City, Iowa, and Missouri River at Omaha, Nebr., as a part of NASQAN.

Missouri - Nishnabotna - Subregion

1. Suspended-sediment data are being collected on a periodic basis at Walnut Creek near Fairview, Kans., Walnut Creek near Hamlin, Kans., Walnut Creek at Reserve, Kans., Wolf River at Hiawatha, Kans., Buttermilk Creek near Willis, Kans., Wolf River at Leona, Kans., Wolf River near Sparks, Kans., and at Wolf River southwest of Hiawatha, Kans., in cooperation with the U.S. Soil Conservation Service.

2. Suspended-sediment data are being collected on a daily basis at Nodaway River at Clarinda, Iowa, in cooperation with the Iowa Geological Survey.

3. Suspended-sediment data are being collected on a monthly basis at Platte River at Sharps Station, Mo., and Missouri River at St. Joseph, Mo., as a part of NASQAN.

4. Suspended-sediment data are being collected on a miscellaneous basis at Weeping Water Creek at Weeping Water, Nebr., South Branch Weeping Water Creek near Union, Nebr., and Weeping Water Creek near Union, Nebr., in cooperation with the Nebraska Natural Resources Commission.

Republican Subregion

1. Suspended-sediment data are being collected on a near-monthly basis at Beaver Creek at Cedar Bluffs, Kans., South Fork Sappa Creek near Brewster, Prairie Dog Creek above Norton Reservoir, Kans., and White Rock Creek near Burr Oak, Kans., in cooperation with the Kansas Water Resources Board.

2. Suspended-sediment data are being collected on a flow rate basis at Frenchman Creek near Palisade, Neb., in cooperation with the U.S. Bureau of Reclamation.

Smoky Hill Subregion

1. Suspended-sediment data are being collected on a near-monthly basis at Smoky Hill River near Enterprise, Kans., Saline River near Tescott, Kans., Solomon River at Niles, Kans., North Fork Smoky Hill River near McAllaster, Kans., Ladder Creek below Chalk Creek near Scott City, Kans., Big Creek near Hays, Kans., North Fork Big Creek near Victoria, Kans., Saline River near Russell, Kans., North Fork Solomon River at Glade, Kans., Deer Creek near Phillipsburg, Kans., South Fork Solomon River above Webster Reservoir, Kans., and Kill Creek near Bloomington, Kans., in cooperation with the Kansas Water Resources Board.

Kansas Subregion

1. Suspended-sediment data are being collected on a near monthly basis at Kansas River at Wamego, Kans., Little Blue River near Barnes, Kans., and Stranger Creek near Tonganoxie, Kans., in cooperation with the Kansas Water Resources Board.

2. Suspended-sediment data are being collected on a periodic basis at Kansas River at Lecompton, Kans., and Kansas River at DeSoto, Kans., in cooperation with the U.S. Corps of Engineers.

3. Suspended-sediment data are being collected on a periodic basis at Sixmile Creek trib. 5 mi. NE of Auburn, Kans., Sixmile Creek trib. 4 mi. NE of Auburn, Kans., Wakarusa River 5 mi West of Auburn, Kans., and Wakarusa River 4 mi west of Auburn, Kans., in cooperation with the U.S. Soil Conservation Service.

4. Suspended-sediment data are being collected on a miscellaneous basis at Big Blue River at Beatrice, Nebr., and at Little Blue River at Hollenberg, Kans., in cooperation with the Nebraska Natural Resources Commission.

Chariton-Grand Subregion

1. Suspended-sediment data are being collected on an intermittent basis at Elk Creek near Decatur City, Iowa, as part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a monthly basis at Grand River near Summer, Mo., and at Chariton River at Praire Hill, Mo., as a part of NASQAN.

Gasconade-Osage Subregion

1. Suspended-sediment data are being collected on a near-monthly basis at Dragoon Creek near Burlingame, Kans., and Pottawatomie Creek near Garnett, Kans., in cooperation with the Kansas Water Resources Board.

2. Suspended-sediment data are being collected on a monthly basis at Osage River near Schell City, Mo., Osage River below St. Thomas, Mo., and at Gasconade River at Jerome, Mo., as a part of NASQAN.

Lower Missouri Subregion

1. Suspended-sediment data are being collected on a monthly basis at Missouri River at Hermann, Mo., as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at Lamino River near Blackwater, Mo., as part of NASQAN.

Special Studies

A study by the Kansas district is in progress to find relations between channel bed and bank material, gradient, discharge, and channel geometry for streams throughout the Missouri River basin has been completed and the final report is in review.

Through a program in cooperation with the U.S. Bureau of Land Management to help define baseline conditions in the potential coal mining Bull Mountain region of Montana, six monthly suspended-sediment stations were established in October. In addition, sediment sampling was continued at Timber Creek near Van Norman, Mont., and at Nelson Creek near Van Norman, Mont., in cooperation with the U.S. Bureau of Land Management.

As part of the program to establish baseline data in areas of potential development for coal extraction in the Tongue and Powder River drainages of Montana, 15 sites were sampled for suspended sediment. Sampling frequencies ranged from monthly on perennial streams to periodic on intermittent streams.

Sediment data are being collected at several sites in the Little Powder River basin and the adjacent Donkey Creek basin to relate suspended-sediment discharge to water discharge. The purpose is to determine and compare the sediment-yield characteristics of these two basins, one of which has considerable mining activity and contains a rapidly growing municipality while the other is relatively untouched.

Sediment data are being collected at several sites in the Rock Creek-Clear Creek drainage basin to relate suspended-sediment discharge to water discharge. The purpose is to detect changes in the sediment discharge characteristics of the stream as it heads in the mountains, flows through a municipal area, through an agricultural area, and finally through a badlands, semiarid region.

PS-69 pumping sediment samplers are operating at Lower Hay Creek Trib. near Wibaux, Mont., and at Antelope Creek Trib. No. 4 near Zap, N. Dak., as part of EMRIA studies. Sediment data are collected at these and several other sites in the study basins.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Box 25046, Mail Stop 415
Denver Federal Center
Lakewood, CO 80225

District Chief, WRD
U.S. Geological Survey
P.O. Box 1230
Federal Building, Room 269
400 South Clinton St.
Iowa City, IA 52244

District Chief, WRD
U.S. Geological Survey
1950 Avenue A-Campus West
University of Kansas
Lawrence, KS 66045

District Chief, WRD
U.S. Geological Survey
1400 Independence Road
Mail Stop 200
Rolla, MO 65401

District Chief, WRD
U.S. Geological Survey
301 South Park Avenue
Federal Building, Room 428
Drawer 10076
Helena, MT 59601

District Chief, WRD
U.S. Geological Survey
Federal Building and U.S. Courthouse
Room 406
100 Centennial Mall North
Lincoln, NE 68508

District Chief, WRD
U.S. Geological Survey
821 East Interstate Avenue
Bismarck, ND 58501

District Chief, WRD
U.S. Geological Survey
P.O. Box 1125
J.C. O'Mahoney Federal Center
Room 5017
2120 Capitol Avenue
Cheyenne, WY 82001

District Chief, WRD
U.S. Geological Survey
200 Fourth Street, SW
Federal Building, Room 308
Huron, SD 57350

SOIL CONSERVATION SERVICE

1. Studies of sediment damages and determinations of sediment yields were made in the following watersheds:

   a. Public Law 566

Major Drainage	Watershed	Stream	County(s)	State
Missouri River	Twin Ponies	Pony Crk	Pottawattamie	IA
Kansas River	Wakarusa River	Wakarusa River	Douglas Osage Shawnee Wabaunsee	KS
Missouri River	Wolf River	Wolf River	Brown Doniphan	KS
Missouri River	Roys Crk	Roys Crk	Brown	KS
Missouri River	Pony Crk	Pony Crk	Brown Nemaha	KS
Elkhorn River	Maple Crk	Maple Crk	Stanton Cuming Colfax Dodge	NE
Big Blue River	Wolf-Wildcat	Wolf Crk Wildcat Crk	Gage Pawnee	NE
Platte River	Bone Crk	Bone Crk	Butler	NE
Platte River	Rock Crk	Rock Crk	Saunders Lancaster	NE
Platte River	Stevens-Callahan	Stevens Crk Callahan Crk	Lancaster Cass	NE
North Platte River	Upper North Laramie		Albany	WY
South Platte River	East Bijou Crk*	East Bijou Crk	Adams, Arapahoe and Elbert	CO

* An inventory of gully and streambank erosion as well as sheet erosion, including mapping on 1/24,000 scale, was made on 175,000 acres.

b. Public Law 534

Major Drainage	Watershed	Stream	County(s)	State
Little Sioux River	Westside	Bacon Crk	Ida Woodbury	IA
Little Sioux River	Camp Crk	Direct Tributary	Woodbury	IA

c. Resource Conservation and Development

Major Drainage	Watershed	Stream	County(s)	State
White River	Deadman Crk	Deadman Crk	Sioux	NE

d. River Basin Investigations

Major Basin	Basin Reported	State
Missouri River	Missouri Tributaries	NE

e. Conservation Operations Public Law 46

Major Drainage	Watershed	County	State
North Platte	Doby Spring	Albany	WY

2. Reservor Sedimentation Surveys

a. A reservoir sedimentation survey was made on Mule Creek "R" reservoir, Mills County, Iowa.

b. A reservoir sedimentation survey was made on Lake Mitchell in Davison County, South Dakota.

3. Special Study

a. National Systematic Sedimentation Surveys

Box Elder Creek Reservoir in Sheridan County, Montana: sediment accumulation survey, watershed land treatment inventory and erosion study in drainage area completed.

East Fork Big Springs Creek Reservoir in Fergus County, Montana: sediment accumulation survey completed.

Baker Lake Reservoir in Fallon County, Montana: land use inventory, land treatment inventory and erosion study in drainage area completed.

Water and Power Resources Service

A sediment yield of 4.76 m^3/km^2 (1.0 acre-feet/mi^2) per year was used for the drainage areas for West Bow and Pearl Reservoirs. The 100-year values of sediment inflow to West Bow Reservoir of 5.0 x $10^6 m^3$ (4,100 acre-feet) and to Pearl Reservoir of 6.2 x $10^6 m^3$ (5,000 acre-feet) are being used in an appraisal report.

Angostura Reservoir in South Dakota was resurveyed by surveying preestablished range lines. In all, 24 range lines were surveyed, of which 11 were in the mainstream of the Cheyenne River and 13 were in the tributaries. In addition, sediment samples were taken at several locations in the reservoir, the headwaters, and the tributaries. For the resurvey, distances across range lines were fixed using either the "cutting-in" method or by the use of piano wire. Depths were recorded continuously using the E&R Center's Raytheon sonic device.

The sediment study for Coal Creek Dam, Longs Peak Division, showed that a yield estimate of 71.4 m^3/km^2 (0.15 acre-feet/mi^2) per year and 100-year sediment estimates 0.5 x $10^6 m^3$ (390 acre-feet) with a depth of sediment at the dam of 4.6 m (15 ft) should be used in preparing feasibility level designs.

The Niobrara River Environmental Study has been contracted to Environmental Research & Technology, Inc., of Fort Collins, Colorado. This study will include a whooping crane habitat assessment as well as a hydraulics, sedimentation, and channel morphology study to determine minimum flow requirements below the proposed Norden Dam to maintain the sandbar habitat of the whooping crane. Hydraulic and sedimentation data in the Niobrara River Channel downstream from the proposed Norden Damsite were collected in 1979 by the Water and Power Resources Service to be used to monitor the river as well as to aid in the environmental study. Eleven cross sections in the 64.4 km (40 mi) study reach were established during a June data collection trip when the discharge was about 19.8 m^3/s (700 ft^3/s). Then in August when the discharge was about 14.2 m^3/s (500 ft^3/s) data were collected at the same 11 locations. Data for each cross section for each discharge included a suspended sediment sample, bed material samples, discharge measurement water surface elevations for computing slope, and water samples for chemical and nutrient analysis. Similar data are to be collected during the 1980 runoff period.

A representative from our Sedimentation Section attended a meeting regarding the Platte River study along with representatives from several other agencies including FWS and USGS. The Water and Power Resources Service is responsible for preparing a series of technical appendixes which will include a present condition hydrologic base; a discussion of possible future demands and their water requirements; plans to supply future demands; future options and other related streamflow conditions; and an economic, social, and environmental assessment.

Water and Power Resources Service

A field trip was made to Torrington, Wyoming, and vicinity, to assist in locating sediment sampling sites, taking samples, and discussing the program of sampling during the 1979 silt run for Guernsey Reservoir. Five sampling sites were selected on the North Platte River: North Platte at Orin; North Platte below Glendo Reservoir; North Platte below Whalen; and North Platte at the Wyoming/Nebraska stateline. Four sites were selected on Interstate Canal: miles 2.7, 50.8, 73.7, and 94.6; and four sites were selected on Fort Laramie Canal: miles 0.7, 30.1, 83.5, and 110.0. Samples will be taken at least once a week during the irrigation season and once a day during the week of the silt run.

CORPS OF ENGINEERS

Southwestern Division

Albuquerque District

Sediment Load Measurements. Suspended sediment measurements were made at two stations in this region. The collection of suspended sediment samples on the Arkansas River at Las Animas and the Purgatoire River near Las Animas was temporarily discontinued during CY 1979.

Sedimentation Surveys. Although a resurvey of John Martin Reservoir, Arkansas River, Colorado had been scheduled for CY 1979; this work was not accomplished. This survey has been rescheduled for CY 1980.

Little Rock District

Sediment load measurements continued at 44 stations during the year on Arknasas River, Mulberry, Spadra Creek, Little Piney Creek, Piney Creek, Petit Jean, Dutch Creek, Fourche La Fave, White River, Taylor Bay, James River, Buffalo River, Bryant Creek, North Fork, Current River, Black River, Eleven Point River, Strawberry River and Little Red River.

Tulsa District

Sedimentation Surveys. A resurvey of John Redmond Lake was conducted and a resurvey of Great Salt Plains Lake, initiated in 1978, was completed. A contract was initiated for installation of pole monuments on 12 sedimentation ranges on John Redmond Dam and Reservoir for use in making hydrographic resurveys during flood stages. A computer program was developed for editing hydrographic survey data from cassette tapes generated on board the survey boat. This program displays original and resurveyed range profiles simultaneously on a CRT and enables error corrections, after which a hard copy plot tape or punched cards of the corrected profiles can be obtained automatically.

Sediment Load Measurements. The suspended sediment sampling program was reduced as a cost reduction measure. A total of 65 stations, 40 in the Arkansas River Basin and 15 in the Red River Basin are presently in operation.

Other Investigations. Design Memorandum No. 22, Sedimentation and Degradation Ranges, Candy Lake, was prepared. Segmental elevation-area data for Birch, Hugo, Kaw, L&D 15, L&D 16, Oologah, Optima, and Waurika Lakes were developed. All historical sediment sampling data for the Tulsa District was compiled and sent to USGS, Oklahoma District for entry in the WATSTORE data system which will enable computer retrieval and statistical manipulation for future studies using the data of several agencies. A mathematical model for sediment inflow and distribution for Canton Lake, in conjunction with the Waterways Experiment Station, was initiated.

ARKANSAS-WHITE-RED REGION

GEOLOGICAL SURVEY

Upper White Subregion

1. Suspended-sediment data are being collected on a monthly basis at North Sylamore Creek near Fifty Six, Ark., as part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a monthly basis at White River at Newport, Ark., as a part of the National Stream Quality Accounting Network (NASQAN).

Upper Arkansas Subregion

1. Suspended-sediment data are being collected on a twice monthly basis at Arkansas River at Canon City, Colo., at Arkansas River at Portland, Colo., and at Arkansas River near Portland, Colo., in cooperation with the U.S. Bureau of Reclamation, Lower Missouri River Basin Region.

2. Suspended-sediment data are being collected on a monthly basis at Halfmoon Creek near Malta, Colo., as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected on a daily basis at Purgatoire River below Trinidad Dam, Colo., in cooperation with the U.S. Corps of Engineers, Albuquerque District.

4. Suspended-sediment data were collected on a daily basis in cooperation with the U.S. Bureau of Land Management:

Apishapa River at Aquilar, Colo.
MFK Purgatoire River at Stonewall, Colo.
Mulino Canyon near Weston, Colo.
Sarcillo Canyon near Segundo, Colo.
Purgatoire River at Madrid, Colo.
Mulligan Canyon near Boncarbo, Colo.
Reilly Canyon at Cokedale, Colo.
Carpios Canyon near Jansen, Colo.

Middle Arkansas Subregion

1. Suspended-sediment data are being collected on a near monthly basis at the following sites in cooperation with the Kansas Water Resources Board:

Arkansas River at Syracuse, Kans.
Whitewoman Creek near Leoti, Kans.
Mulberry Creek near Dodge City, Kans.
Arkansas River near Kinsley, Kans.
Guzzler's Gulch near Ness City, Kans.

Pawnee River near Larned, Kans.
Walnut Creek at Albert, Kans.
Rattlesnake Creek near Macksville, Kans.
Cow Creek near Claflin, Kans.
Blood Creek near Boyd, Kans.
Arkansas River near Hutchinson, Kans.
Little Arkansas River at Alta Mills, Kans.
Little Arkansas River at Valley Center, Kans.
North Fork Ninnescah River above Cheney Reservoir, Kans.
South Fork Ninnescah River near Pratt, Kans.
Ninnescah River near Peck, Kans.
Slate Creek at Wellington, Kans.
Cole Creek near De Graff, Kans.
Whitewater River at Towanda, Kans.
Arkansas River at Arkansas City, Kans.
Walnut River at Winfield, Kans.

Upper Cimarron Subregion

1. Suspended-sediment data are being collected on a near monthly basis at Bear Creek near Johnson, Kans., at Cavalry Creek at Coldwater, Kans., at North Fork Cimarron River near Richfield, Kans., and Crooked Creek near Nye, kans., in cooperation with the Kansas Water Resources Board.

Lower Cimarron Subregion

1. Suspended-sediment data are being collected from Cimarron River near Buffalo, Okla., and Cimarron River at Perkins, Okla., as a part of NASQAN.

Arkansas-Keystone Subregion

1. Suspended-sediment data are being collected on a near monthly basis at Medicine Lodge River near Kiowa, Kans., in cooperation with the Kansas Water Resources Board.

2. Suspended-sediment data are being collected on a monthly basis at Arkansas River at Ralston, Okla., as a part of NASQAN.

Neosho-Verdigris Subregion

1. Suspended-sediment data are being collected at Newt Graham Lock and Dam (Verdigris River) near Inola, Okla., and at Neosho River below Fort Gibson Lake near Fort Gibson, Okla., as a part of NASQAN.

Upper Canadian Subregion

1. Suspended-sediment data are being collected on a monthly basis at Canadian River near Sanchez, N. mex., in conjunction with the Water Quality Surveillance Program and in cooperation with the NMISC (New Mexico Interstate Stream Commission).

2. Suspended-sediment data are being collected on a monthly basis at Revuelto Creek near Logan, N. Mex., in cooperation with NMISC.

3. Suspended-sediment data are being collected on a monthly basis at Canadian River above New Mexico-Texas State line as a part of NASQAN.

4. Suspended-sediment data are being collected on a quarterly basis at Vermejo River near Dawson, N. Mex., in cooperation with NMISC.

Lower Canadian Subregion

1. Suspended-sediment data are being collected at Canadian River at Calvin, Okla., at Canadian River near Whitefield, Okla., and at Canadian River near Canadian, Tex., as part of NASQAN.

2. Suspended-sediment data are being collected at Blue Creek tributary near Blocker, Okla., at Blue Creek near Blocker, Okla., and at Mathuldy Creek near Crowder, Okla., for use in the BLM - EMRIA project.

3. Suspended-sediment data are being collected at Brushy Creek near Haileyville, Okla., at Peaceable Creek near Haileyville, Okla., and at Deer Creek near McAlester, Okla., for use in the coal Monitoring project.

North Canadian Subregion

1. Suspended-sediment data are being collected at North Canadian River near Wetumka, Okla., at Deep Fork near Beggs, Okla., at Beaver River near Guymon, Okla., at Beaver River at Beaver, Okla., and at North Canadian River at Woodward, Okla., as a part of NASQAN.

2. Suspended-sediment data are being collected at North Canadian River near Seiling, Okla., in cooperation with the U.S. Corps of Engineers.

Lower Arkansas Subregion

1. Suspended-sediment data are being collected on a monthly basis at Arkansas River at near Tulsa, Okla., at Arkansas River at Dam 13 near Van Buren, Ark., and at Arkansas River at David D. Terry Lock and Dam below Little Rock, Ark., as a part of NASQAN.

2. Suspended-sediment data are being collected at the following sites for use in the BLM - EMRIA project:

James Fork near Hackett, Ark.
James Fork near Williams, Okla.
Coal Creek tributary near Bokoshe, Okla.
Coal Creek near Panama, Okla.

3. Suspended-sediment data are being collected at the following sites for use in the Coal Monitoring project:

Coal Creek near Spiro, Okla.
Fourche Maline near Wilburton, Okla.
Red Oak Creek near Red Oak, Okla.
Caston Creek at Wister, Okla.
Morris Creek at Howe, Okla.
Sugarload Creek near Monroe, Okla.
Owl Creek near McCurtain, Okla.
Holi-tuska Creek near Panama, Okla.

Red Headwaters Subregion

1. Suspended-sediment data are being collected on a monthly basis at North Fork Red River near Headrick, Okla., at Salt Fork Red River near Elmer, Okla., at Prairie Dog Town Red River near Wayside, Tex., and at and at Prairie Dog Town Fork Red River near Childress, Tex., as a part of NASQAN.

2. Suspended-sediment data are being collected on a periodic basis at the following sites in cooperation with the U.S. Corps of Engineers:

Little Red River near Turkey, Tex. (started daily operation Feb. 1, 1979)
Jonah Creek at Weir, near Estelline, Tex.
Salt Creek at County Road Bridge, near Estelline, Tex. (discontinued Sept. 30, 1979)
Salt Creek near Estelline, Tex. (discontinued Sept. 30, 1979)
East Salt Creek at County Road Bridge, near Estelline, Tex. (discontinued Sept. 30, 1979)

3. The collection of suspended-sediment data on a daily or more frequent basis began Feb. 1, 1979, at Little Red River near Turkey, and Prairie Dog Town Red River near Lakeview, Tex., in cooperation with The University of Texas at Austin.

Red-Washita Subregion

1. Suspended-sediment data are being collected at Blue Beaver Creek near Cache, Okla., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a monthly basis at Red River near Burkburnett, Tex., at Red River at Denison Dam near Denison, Tex., at Red River near Gainesville, Tex., and at Washita River near Durwood, Okla. as a part of NASQAN.

3. Suspended-sediment data are being collected on a periodic basis at the following sites in cooperation with the U.S. Corps of Engineers:

Wichita River near Seymour, Tex. (discontinued Sept. 30, 1979)
Red River near Quanah, Tex.
North Pease River near Childress, Tex. (discontinued Sept. 30, 1979)
Middle Pease River near Paducah, Tex. (discontinued Sept. 30, 1979)
Middle Pease River below Paducah, Tex. (started Oct. 1, 1979)
Pease River near Childress, Tex.
North Wichita River near Paducah, Tex. (discontinued Sept. 30, 1979)
North Wichita River near Truscott, Tex.
South Wichita River at Ross Ranch, near Benjamin, Tex. (discontinued Sept. 30, 1979)
South Fork Wichita River near Benjamin, Tex. (discontinued Sept. 30, 1979)

Red-Sulphur Subregion

1. Suspended-sediment data are being collected from Kiamichi River near Big Cedar, Okla., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected at Coal Creek near Lehigh, Okla., for use in the BLM - EMRIA project.

3. Suspended-sediment data are being collected at Muddy Boggy Creek at Atoka, Okla., for use in the Coal Monitoring project.

4. Suspended-sediment data are being collected on a monthly basis at Little River at Millwood Dam, near Ashdown, Ark., Red River at Fulton, Ark., and at Sulphur River south of Texarkana, Ark., as a part of NASQAN.

5. Suspended-sediment data are being collected on a monthly basis at Twelvemile Bayou near Dixie, La., as a part of NASQAN.

Laboratory Activities

1. The Geological Survey sediment laboratory located in Baton Rouge, La., analyzed suspended-sediment and bed-material samples collected by the U.S. Corps of Engineers at the following locations.

Red River at Fulton, Ark.
Red River at Shreveport, La.
Red River at Colfax, La.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Federal Office Building
Room 2301
700 West Capitol Avenue
Little Rock, AR 72201

District Chief, WRD
U.S. Geological Survey
1950 Avenue A - Campus West
University of Kansas
Lawrence, KS 66045

District Chief, WRD
U.S. Geological Survey
P.O. Box 66492
6554 Florida Boulevard
Baton Rouge, LA 70896

District Chief, WRD
U.S. Geological Survey
P.O. Box 26659
815 Western Bank Building
505 Marquette, NW
Albuquerque, NM 87125

District Chief, WRD
U.S. Geological Survey
201 Northwest Third Street
Room 621
Oklahoma City, OK 73102

District Chief, WRD
U.S. Geological Survey
Federal Building, Room 649
300 East Eighth Street
Austin, TX 78701

District Chief, WRD
U.S. Geological Survey
Bldg. 53, Denver Federal Center
Mail Stop 415, Box 25046
Lakewood, CO 80225

SOIL CONSERVATION SERVICE

1. Studies of sediment damages and determinations of sediment yields made in the following watersheds:

   a. Public Law 566

Major Drainage	Watershed	Stream	County(s)	State
Neosho River	Diamond Crk	Diamond Crk	Morris Chase	KS
Neosho River	South Fork Cottonwood River	Cottonwood River	Butler Greenwood Chase	KS
Neosho River	Middle Crk	Middle Crk	Morris Chase Marion	KS
Neosho River	Peyton Crk	Peyton Crk	Chase	KS
White River	Fourche Crk	Fourche Crk	Randolph	AR
Red River	Beaver Crk	Big Beaver	Comanche Stephens	OK
Deep Fork-Canadian River	Dry Crk	Dry Beaver Shiny N. Branch Chuckaho Dosie	Lincoln	OK
Continued studies on:				
Cimarron River	Turkey Crk	Turkey Elm Sand Dry Hell Gone Buffalo Dry Salt	Garfield Major Kingfisher Alfalfa	OK
S. Canadian River	Coal Crk	Coal Crk Wildhorse Caney Buckhorn Sandy Deer	Pittsburg Hughes	OK

b. River Basin Investigation

Major Basin	Basin Reported	State
Lower Mississippi	Arkansas Statewide	AR

2. Sedimentation Surveys

Sedimentation surveys were made on two reservoirs in Colfax County, New Mexico using the range method. New Urraca Creek Reservoir is on the North Fork, Urraca Creek on Philmont Scout Ranch and is part of the drinking water supply for the Ranch. The second reservoir is an off-stream irrigation storage reservoir. Water is diverted from Ute Creek into the reservoir. Sediment accumulation in the New Urraca Creek Reservoir averaged 0.3 acre-feet/square mile/year from a drainage area of 10.2 square miles during a period of 21.5 years. The off-stream irrigation storage reservoir during the last 65 years has had an average sediment accumulation rate of 2.88 acre-feet/square mile/year.

Sedimentation surveys were also completed on the following reservoirs during the evaluation period:

Reservoir	Major Drainage	County	State
Site 2, Logan Slough Crk	Red River	Lamar	TX
Lake McClellan	Red River	Gray	TX
Sandstone #16		Beckham	OK
Cave Crk #1		Okmulgee	OK

3. Non-point Pollution Studies

County sediment control plans were completed for the New Mexico counties in the region during 1979. The State of New Mexico sedimentation study was completed in March 1979. The New Mexico Water Quality Control Commission accepted the Overall Water Quality Management Plan in May 1979. These plans and studies were done under PL 92-500, Section 208, Non-point Source Pollution. A detailed work plan for continued 208 studies was submitted to the Environmental Protection Agency, September 1979, and accepted in December 1979.

Water and Power Resources Service

The 100-year estimated sediment volume of 27.1 x $10^6 m^3$ (22,000 acre-feet) for Cookietown Reservoir was approved which was less then the previously recommended value of 38.2 x $10^6 m^3$ (31,000 acre-feet).

The Draft Environmental Impact Statement for the Chikaskia Project in Kansas was reviewed and several additions and changes concerning sedimentation were recommended. A sediment yield rate of 367 m^3/km^2 (0.77 acre-feet/mi^2) per year was used for Corbin Reservoir.

TEXAS-GULF REGION

GEOLOGICAL SURVEY

Sabine Subregion

1. Suspended-sediment data are being collected at Sabine River near Ruliff, Tex., as a part of the National Stream Quality Accounting Network (NASQAN).

2. Suspended-sediment data are being collected on periodic basis at Cow Bayou near Mauriceville, Tex., as a part of the Federal CBR program (discontinued September 30, 1979).

Neches Subregion

1. Suspended-sediment data are being collected on a monthly basis at Neches River at Evadale, Tex. as a part of NASQAN.

Trinity Subregion

1. Suspended-sediment data are being collected on a periodic basis at West Fork Trinity River near Jacksboro, Tex. (discontinued September 30, 1979), at Mountain Creek near Cedar Hill, Tex., Duck Creek near Garland, Tex., and at Kings Creek near Kaufman, Tex., as a part of the Federal CBR program.

2. Suspended-sediment data are being collected on a monthly basis at Trinity River at Trinidad, Tex., as a part of NASQAN.

3. Suspended-sediment data are being collected on a periodic basis at Cypress Creek near Westfield, Tex., and Greens Bayou near Houston, Tex., as part of the Federal CBR program (both stations discontinued September 30, 1979).

4. Suspended-sediment data are being collected on a daily or more frequent basis at Trinity River near Oakwood, Tex., in cooperation with the U.S. Corps of Engineers.

5. Suspended-sediment data are being collected on a monthly basis at Trinity River at Romayor, Tex., and at Chocolate Bayou near Alvin, Tex., as a part of NASQAN.

Galveston Bay - San Jacinto Subregion

1. Suspended-sediment data are being collected on a periodic basis at West Fork San Jacinto River near Conroe, Tex., as part of NASQAN. The collection of suspended-sediment data on a periodic basis at Buffalo Bayou at West Belt Dr., Houston, Tex., began May 1, 1979, as part of NASQAN.

Middle Brazos Subregion

1. Suspended-sediment data are being collected at Miller Creek near Munday, Tex. (discontinued September 30, 1979), at Double Mountain Fork Brazos River at Justiceburg, Tex., and at Stinking Creek near Aspermont, Tex., as a part of the Federal CBR program.

2. Suspended-sediment data are being collected on a monthly basis at Salt Fork Brazos River near Aspermont, Tex., Double Mountain Fork Brazos River near Aspermont, Tex., Brazos River near Highbank, Tex., and at Brazos River near South Bend, Tex., as a part of NASQAN.

Lower Brazos Subregion

1. Suspended-sediment data are being collected on a daily basis at Brazos River at Richmond, Tex., as part of the Federal CBR program.

2. Suspended-sediment data are being collected on a monthly basis at South Fork Rocky Creek near Briggs, Tex., as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected on a periodic basis at Berry Creek near Georgetown, Tex., as a part of the Federal CBR program.

4. Suspended-sediment data are being collected on a weekly or more frequent basis at Navasota River near Bryan, Tex., in cooperation with the U.S. Corps of Engineers.

5. Suspended-sediment data are being collected on a monthly basis at Brazos River near Rosharon, Tex., and at Little River near Cameron, Tex., as a part of NASQAN.

Upper Colorado Subregion

1. Suspended-sediment data were being collected on a monthly basis at Colorado River above Silver, Tex., as a part of NASQAN.

Lower Colorado-San Bernard Coastal Subregion

1. Suspended-sediment data are being collected on a periodic basis at Walnut Creek at Webberville Road, Austin, Tex., and at Onion Creek at US Hwy 183, Austin, Tex., as a part of the Federal CBR program.

2. Suspended-sediment data are being collected on a monthly basis at Colorado River at Austin, Tex., Colorado River at Wharton, Tex., Colorado River near San Saba, Tex., and at San Bernard River near Boling, Tex., as a part of NASQAN. The collection of suspended-sediment data at Llano River at Llano, Tex., began April 1, 1979, as part of NASQAN.

3. Suspended-sediment data are being collected on a daiy basis at Concho River at Paint Rock, Tex. and at Colorado River at Ballinger, Tex., in cooperation with Texas Department of Water Resources.

Central Texas Coastal Subregion

1. Suspended-sediment data are being collected on a monthly basis at Guadalupe River at Victoria, Tex., San Antonio River at Goliad, Tex., Lavaca River near Edna, Tex., and at Mission River at Refugio, Tex., as a part of NASQAN.

Nueces-Southwestern Texas Coastal Subregion

1. Suspended-sediment data are being collected on a periodic basis at Frio River at Calliham, Tex. (discontinued September 30, 1979), Atascosa River at Whitsett, Tex., and at San Miguel Creek near Tilden, Tex., as a part of the Federal CBR program.

2. Suspended-sediment data are being collected on a monthly basis at Nueces River near Three Rivers, Tex., and at Los Olmos Creek near Falfurrias, Tex., as a part of NASQAN.

For additional information about Geological Survey activities within this region, contact the following office:

District Chief, WRD
U.S. Geological Survey
Federal Building, Room 649
300 East Eighth Street
Austin, TX 78701

SOIL CONSERVATION SERVICE

1. Reservoir sedimentation surveys were made in the following reservoirs in 1979:

Reservoir	Major Drainage	County	State
Site 17, Denton Crk	Trinity River	Wise	TX
Site 11B, Elm Fork	Trinity River	Cooke	TX
Site 21, Clear Crk	Trinity River	Cooke	TX
Site 11, Escondido Crk	Sand Antonio River	Karnes	TX

2. Non-point Pollution Studies

County sediment control plans were completed for the New Mexico counties in the region during 1979. The New Mexico state sedimentation study was completed in March 1979. The New Mexico Water Quality Control Commission accepted the Overall Water Quality Management Plan in May 1979. These plans and studies were done under PL-500, Section 208, Non-point Source Pollution. A detailed work plan for continued 208 studies was submitted to the Environmental Protection Agency and accepted December 1979. These plans and studies cover the New Mexico portion of the region.

Water and Power Resources Service

A planning meeting for the sedimentation resurvey of Lake Meredith on the Canadian River near Amarillo, Texas, was held. The field work is scheduled to begin in October 1979, and the hydrographic survey in February 1980. The resurvey funded by the University of Texas will be a cooperative effort of the Southwest Region, the Canadian River Project, and the E&R Center.

RIO GRANDE REGION

CORPS OF ENGINEERS

Southwestern Division

Albuquerque District

Sedimentation Surveys

1. The installation of 24 sedimentation ranges and 9 degradation ranges was completed at Los Esteros Lake on the Pecos River, New Mexico. All of these ranges were surveyed with aerial techniques in June 1979.

2. The first detailed report on sedimentation at Cochiti Lake which described the result of the resurvey of April 1978 was published in July 1979.

3. Computations were completed for determining changes in storage capacity and sediment deposition at Abiquiu Lake based on data collected in May 1978. New area-capacity tables were issued to interested parties for use beginning 1 January 1980. Form 1787 (Sedimentation Data Summary) and a survey summary letter report will be completed early in 1980.

Sediment Load Measurements. Suspended sediment measurements were made at four stations in the Rio Grande Region.

Other Investigations

1. In February 1979, Water and Environmental Consultants, Inc. of Fort Collins, Colorado prepared a report for the Albuquerque District entitled "Plan of Study For Determining Hydraulics and Sediment Transport Characteristics of the Rio Grande in New Mexico above Elephant Butte Dam". The recommendations in this report will be used as guidelines for proceeding with sediment investigations in the Rio Grande Basin.

2. In November 1979, a contract was awarded to Simons and Li Engineering of Fort Collins, Colorado to develop a computer program that will be used to predict long term effects of existing and proposed flood and sediment control projects on the characteristics of the Rio Grande from Cochiti Dam to Elephant Butte Reservoir. This work is scheduled to be completed in the summer of 1980.

3. Abiquiu, Cochiti, Galisteo and Jemez Canyon Dams continued to be operated to control sediment flow in the Rio Grande. In this regard, a 2,500 acre foot permanent pool has been established at the Jemez Canyon project.

RIO GRANDE REGION

GEOLOGICAL SURVEY

Rio Grande Headwaters Subregion

1. Suspended-sediment data are being collected on a monthly basis at Rio Grande near Lobatos, Colo., as a part of the National Stream Quality Accounting Network (NASQAN).

Rio Grande - Elephant Butte Subregion

1. Suspended-sediment data are being collected on a monthly basis at Red River at Fish Hatchery near Questa, N. Mex., in cooperation with the New Mexico Interstate Streams Commission (NMISC).

2. Suspended-sediment data are being collected on a monthly basis at Rio Chama above Abiquiu Reservoir, N. Mex., Rio Chama below Abiquiu Dam, N. Mex., and at Rio Chama near Chamita, N. Mex., in cooperation with the U.S. Corps of Engineers.

3. Suspended-sediment data are being collected on a daily basis at Rio Grande at Otowi Bridge near San Ildefonso, N. Mex., and at Rio Grande near Albuquerque, N. Mex., as a part of the Federal CBR program.

4. Suspended-sediment data are being collected on a daily basis at Rio Grande below Cochiti Dam, N. Mex., in cooperation with the U.S. Corps of Engineers.

5. Suspended-sediment data are being collected on a daily basis at Arroyo Chico near Guadalupe, N. Mex., in cooperation with the U.S. Bureau of Land Management.

6. Suspended-sediment data are being collected on a daily basis at Rio Puerco near Bernardo, N. Mex., as a part of the Federal CBR program.

7. Suspended-sediment data are being collected on a monthly basis at Rio Grande at San Felipe, N. Mex., and at Rio Grande at Isleta, N. Mex., in conjunction with the Water Quality Surveillance Program and financed cooperatively by NMISC.

8. Suspended-sediment data are being collected on a daily basis at Rio Grande near Bernardo, N. Mex., at Rio Grande at San Acacia, N. Mex., and at Rio Grande at San Marcial, N. Mex., in cooperation with NMISC.

9. Suspended-sediment data for total-load determinations are being collected on a biweekly basis at Rio Grande at Albuquerque, N. Mex., at Rio Grande near Bernardo, N. Mex., at Rio Grande at San Acacia, N. Mex., and Rio Grande at San Marcial, N. Mex., in cooperation with NMISC.

10. Suspended-sediment data are being collected on a daily basis at Rio Grande Conveyance Channel at San Acacia, N. Mex., and at Rio Grande Conveyance Channel at San Marcial, N. Mex., in cooperation with NMISC. This includes bi-weekly determination of total-sediment loads at Rio Grande Conveyance Channel at San Marcial, N. Mex.

11. Suspended-sediment data are being collected on an intermittent basis at Rio Salado near San Acacia, N. Mex., in cooperation with NMISC.

12. Suspended-sediment data are being collected on a monthly basis at Rio Grande below Elephant Butte Dam, N. Mex., as a part of NASQAN.

13. Suspended-sediment data are being collected on a monthly and storm-event basis at Rio Mora near Terrero, N. Mex., as a part of the National Hydrologic Benchmark Network.

14. Suspended-sediment data are being collected on a monthly and intermittent basis at Pecos River below Sumner Dam, N. Mex. (formerly called Alamagordo Dam), in cooperation with NMISC, and as a part of NASQAN.

15. Suspended-sediment data are being collected on a daily basis at Pecos River at Santa Rosa, N. Mex., and at Pecos River near Artesia, N. Mex., as part of the Federal CBR program.

16. Suspended-sediment data were collected on a monthly basis at Pecos River near Puerto de Luna, N. Mex., in conjunction with the Water Quality Surveillance Program and in cooperation with NMISC.

17. Suspended-sediment data are being collected on a monthly basis at Pecos River at Red Bluff, N. Mex., at Rio Grande at el Paso, Tex., and at Rio Grande at Fort Quitmon, Tex., as a part of NASQAN.

18. Suspended-sediment data are being collected on an intermittent basis at Rito de los Frijoles in Bandelier National Monument, N. Mex., in cooperation with the National Park Service.

Rio Grande - Amistad Subregion

1. Suspended-sediment data are being collected on a monthly basis at Rio Grande at Foster Ranch, near Langtry, Tex., and at Devils River at Pafford Crossing, near Comstock, Tex., as a part of NASQAN.

Rio Grande Closed Basins Subregion

1. Suspended-sediment data are being collected on a monthly basis at Rio Tularosa near Bent, N. Mex., and at Mimbres River near Mimbres, N. Mex., as a part of NASQAN.

Lower Pecos Subregion

1. Suspended-sediment data are being collected on a monthly basis at Pecos River near Langtry, Tex., as a part of NASQAN.

Rio Grande - Falcon Subregion

1. Suspended-sediment data are being collected on a monthly basis at Rio Grande at Laredo, Tex., as a part of NASQAN.

Lower Rio Grande Subregion

1. Suspended-sediment data are being collected on a daily basis at Rio Grande River near Brownsville, Tex., as part of the Federal CBR program.

2. Suspended-sediment data are being collected on a weekly or more frequent basis at North Floodway near Sebastian, Tex., and at Arroyo Colorado Floodway at El Fuste Siphon, south of Mercedes, Tex., as part of the Federal CBR program.

Special Studies

A water quality monitoring plan for the Rio Grande and Red River in Taos County, N. Mex., was initiated in October 1978 by the U.S. Bureau of Land Management. The study objectives are to monitor long-term changes in water quality (chemical and sediment) at 14 selected sampling sites. BLM personnel collect monthly samples and the Geological Survey analyzes the samples and publishes the data.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Box 25046, Mail Stop 415
Denver Federal Center
Lakewood, CO 80225

District Chief, WRD
U.S. Geological Survey
P.O. Box 26659
815 Western Bank Building
505 Marquette, NW
Albuquerque, NM 87125

District Chief, WRD
U.S. Geological Survey
Federal Building
Room 649
300 East Eighth Street
Austin, TX 78701

SOIL CONSERVATION SERVICE

Non-point Pollution Studies

County sediment control plans were completed for the New Mexico counties in the region during 1979. The New Mexico state sedimentation study was completed in March 1979. The New Mexico Water Quality Control Commission accepted the Overall Water Quality Management Plan in May 1979. These plans and studies were done under PL 92-500, Section 208, Non-point Source Pollution. A detailed work plan for continued 208 studies was submitted to the Environmental Protection Agency and accepted December 1979.

Water and Power Resources Service

A planning meeting was held in the project office for the sedimentation resurvey of Elephant Butte Reservoir. The field work began after October 1, 1979, and the hydrographic survey in January 1980. This was to be a full resurvey and included cutting out and profiling all sediment range lines in the reservoir. The land surveys were conducted by a survey crew out of the Carlsbad Project Office with some help from Rio Grande Project personnel. Equipment and some personnel for the hydrographic survey were provided from the E&R Center.

A representative of the Sedimentation Section attended the conference on Arroyo Stabilization in Erosive Soil in Albuquerque, New Mexico, on Novemeber 8, 1979, and presented a lecture on "Channel Erosion and Control Techniques." This was a slide presentation on Water and Power Resources Service practices to stabilize river channels for controlling erosion throughout the 17 Western States.

UPPER COLORADO REGION

GEOLOGICAL SURVEY

Colorado Headwaters Subregion

1. Suspended-sediment data were collected on a daily basis by automatic pumping samplers at West Tenmile Creek at Wheeler Junction, Colo., at Black Gore Creek near Vail, Colo., and Gore Creek at Vail, Colo., in cooperation with the Colorado Department of Highways (discontinued September 30, 1979).

2. Suspended-sediment data are being collected on a monthly basis at Parachute Creek near Grand Valley, Colo., in cooperation with the Environmental Protection Agency.

3. Suspended-sediment data are being collected on a daily basis at Parachute Creek at Grand Valley, Colo., and at Roan Creek near Debeque, Colo., as a part of Federal sedimentation study in oil shale areas.

4. Suspended-sediment data are being collected on a daily basis at East Middle Fork Parachute Creek near Rio Blanco, Colo., and East Fort Parachute Creek near Rulison, Colo., and on a monthly basis at North Water Creek near Anvil Point, Colo., in cooperation with the U.S. Navy.

5. Suspended-sediment data are being collected on a monthly basis at Colorado River near Colorado-Utah State line as a part of the National Stream Quality Accounting Network (NASQAN).

Gunnison Subregion

1. Suspended-sediment data are being collected on a monthly basis at Gunnison River near Grand Junction, Colo., as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at the following sites as a part of the USGS Coal Hydrology program:

Anthracite Creek near Somerset, Colo.
Spring Creek near Beaver Hill, Colo.
Spring Creek near Montrose, Colo.

Upper Colorado-Dolores Subregion

1. Suspended-sediment data are being collected on a comprehensive level at Colorado River near Cisco, Utah.

2. Suspended-sediment data are being collected on a monthly basis at Beaver Creek near Norwood, Colo. and San Miguel River at Naturita, Colo., as a part of the USGS Coal Hydrology program.

Great Divide-Upper Green Subregion

1. Suspended-sediment data are being collected on a monthly and storm-event basis at the following sites as a part of the U.S. Geological Survey Federal Energy program:

Little Sandy Creek above Eden, Wyo.
Salt Wells Creek near South Baxter, Wyo.
Blacks Fork near Lyman, Wyo.

2. Suspended-sediment data are being collected on a daily basis at Green River near Green River, Wyo. as a part of the U.S. Geological Survey Federal Energy program.

3. Suspended-sediment data are being collected at the following sites on a monthly and storm-event basis in cooperation with the Wyoming State Engineer:

Green River near LaBarge, Wyo.
Big Sandy River near Farson, Wyo.
Big Sandy River below Eden, Wyo.
Hams Fork near Granger, Wyo.
Blacks Fork near Little America, Wyo.

4. Suspended-sediment data are being collected at the following sites on a monthly and storm-event basis in cooperation with the U.S. Bureau of Land Management:

Bitter Creek near Bitter Creek, Wyo.
Bitter Creek above Salt Wells Creek, near Salt Wells, Wyo.
Dry Canyon near South Baxter, Wyo.
Salt Wells Creek near Salt Wells, Wyo.
Little Muddy Creek near Glencoe, Wyo.
Muddy Creek near Hampton, Wyo.
Vermillion Creek near Hiawatha, Colo.

5. Suspended-sediment data are being collected on a daily basis at Separation Creek near Riner, Wyo. in cooperation with the U.S. Bureau of Land Management.

6. Suspended-sediment data are being collected on a monthly basis at Vermillion Creek at Ink Springs Ranch, Colo., as a part of the USGS Coal Hydrology program.

White-Yampa Subregion

1. Suspended-sediment data are being collected on a monthly and storm-event basis at Little Snake River near Dixon, Wyo. in cooperation with the Wyoming State Engineer.

2. Suspended-sediment data were obtained on a monthly basis at Yampa River near Maybell, Colo., and at Little Snake River near Lily, Colo., as a part of NASQAN.

3. Suspended-sediment data are being collected on a daily basis at Yampa River near Maybell, Colo., and on a weekly basis at Little Snake River near Lily, Colo., in cooperation with the Colorado River Water Conservation District.

4. Suspended-sediment data are being collected at several sites in the coal mining region of the Yampa River basin. Two stations are equipped with pumping samplers and where the flow is continuous, daily samples are collected. The following stations are operated at the indicated frequencies:

Middle Creek above Foidel Creek, Colo.	Monthly
Foidel Creek at Fish Creek Canyon Road, Colo.	Monthly
Foidel Creek at mouth near Oak Creek, Colo.	Daily
Jubb Creek near mouth, Colo.	Monthly
Taylor Creek at mouth near Axial, Colo.	Monthly
Good Springs Creek near Axial, Colo.	Weekly
Wilson Creek below Taylor Creek near Axial, Colo.	Daily
Stokes Gulch near Hayden, Colo.	Daily

These stations are operated in cooperation with the U.S. Bureau of Land Management.

5. Suspended-sediment data are being collected at several stations in the Piceance Creek basin to monitor the potential impact of the oil shale development project. All stations are equipped with pumping sediment samplers and where the flow is continuous, daily samples are collected. Intermittent stations are designed to sample all significant peaks and low flow samples are collected when possible. The following stations are operated at the indicated frequency:

Piceance Creek below Rio Blanco, Colo.	Daily
Stewart Gulch above West Fork, Colo.	Daily
W. F. Stewart Gulch at mouth, Colo.	Peaks
Sorghum Gulch at mouth near Rio Blanco, Colo.	Peaks
Cottonwood Gulch near Rio Blanco, Colo.	Peaks
Piceance Creek tributary near Rio Blanco, Colo.	Peaks
Scandard Gulch at mouth, Colo.	Peaks
Willow Creek near Rio Blanco, Colo.	Daily
Piceance Creek above Hunter Creek, Colo.	Daily
Black Sulfur Creek near Rio Blanco, Colo.	Daily
Piceance Creek below Ryan Gulch, Colo.	Daily
Piceance Creek at White River, Colo.	Daily
Stake Springs Draw near Rangely, Colo.	Peaks
Corral Gulch below Water Gulch, Colo.	Peaks
Dry Fk. near Rangely, Colo.	Peaks
Box Elder Gulch near Rangely, Colo.	Peaks
Tributary to Box Elder Gulch near Rangely, Colo.	Peaks
Corral Gulch near Rangely, Colo.	Daily
Yellow Creek near White River, Colo.	Daily

These stations are operated in cooperation with the Colorado River Water Conservation District.

6. Suspended-sediment data are being collected on a monthly basis at White River below Meeker, Colo., and White River above Rangely, Colo., in cooperation with the Environmental Protection Agency, and on a weekly basis from May 1 to September 30 at White River above Rangely, Colo., in cooperation with the Colorado River Water Conservation District.

7. Suspended-sediment data are being collected on a monthly basis at North Fork White River at Buford, Colo., and South Fork White River at Buford, Colo., and on a daily basis at Douglas Creek near mouth near Rangely, Colo., in cooperation with the Northwest Colorado Council of Governments.

8. Suspended-sediment data are being collected on a comprehensive level at White River near Colorado-Utah State line in cooperation with the Utah Department of Natural Resources.

9. Suspended-sediment data are being collected on a comprehensive level at White River near mouth near Ouray, Utah, in cooperation with the U.S. Bureau of Land Management.

10. Suspended-sediment data are being collected on a monthly basis at Yampa River below Diversion, near Hayden, Colo., Yampa River below Craig, Colo., Williams Fork at mouth, near Hamilton, Colo., and at Yampa River below Elkhead, near Craig, Colo., in cooperation with the Environmental Protection Agency.

11. Suspended-sediment data are being collected on a periodic basis at Horse Draw near Rangely, Colo., and at Horse Draw at mouth, near Rangely, Colo., in cooperation with the U.S. Bureau of Mines.

Lower Green Subregion

1. Suspended-sediment data are being collected on a comprehensive level at Green River near Jensen, Utah and at Green River at Green River, Utah.

2. Sediment accumulation in Scofield Reservoir near Scofield, Utah, was surveyed as part of the Coal Hydrology program in cooperation with the U.S. Bureau of Land Management.

Upper Colorado - Dirty Devil Subregion

1. Suspended-sediment data are being collected on a twice monthly basis at Colorado River at Lees Ferry, Ariz., in cooperation with the U.S. Bureau of Reclamation, and as part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at Paria River at White House Ruins, Utah, Paria River below Water Pockets, Ariz. and at Paria River at Lees Ferry, Ariz., in cooperation with the U.S. Bureau of Land Management.

San Juan Subregion

1. Suspended-sediment data are being collected on a monthly basis at Vallecito Creek near Bayfield, Colo., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a comprehensive level at Fremont River near Cainville, Utah, in cooperation with the Utah Department of Natural Resources.

3. Suspended-sediment data are being collected on a daily basis at Animas River at Farmington, N. Mex., and at San Juan River at Shiprock, N. Mex., as a part of the Federal CBR program.

4. Suspended-sediment data are being collected on a monthly basis at La Plata Creek at Colorado-Utah state line and a McElmo Creek at Colorado-Utah state line as a part of the USGS Coal Hydrology Program.

5. Suspended-sediment data are being collected on a comprehensive level at San Juan River near Bluff, Utah.

Special Studies

An energy project "Hydrologic Surveillance of Coal Lease Areas in Northwestern New Mexico" was continued. Sediment stations were established throughout the coal lease areas and are financed by Federal CBR and U.S. Bureau of Land Management funds.

As part of the program for the determining baseline conditions in the areas of potential oil-shale development in the White River basin, Utah, suspended-sediment data continued to be obtained monthly at five sites and during times of flow at four sites. This work is in cooperation with the Environmental Protection Agency, the U.S. Bureau of Land Management and the Utah Department of Natural Resources.

For additional information about Geological Survey activities within this region, contact the following offices.

District Chief, WRD
U.S. Geological Survey
Federal Building
301 West Congress Street,
Box FB-44
Tucson, AZ 85701

District Chief, WRD
U.S. Geological Survey
Box 25046, Mail Stop 415
Denver Federal Center
Lakewood, CO 80225

District Chief, WRD
U.S. Geological Survey
P.O. Box 26659
815 Western Bank Building
505 Marquette, NW
Albuquerque, NM 87125

District Chief, WRD
U.S. Geological Survey
Federal Building, Room 8002
125 South State Street
Salt Lake City, UT 84138

District Chief, WRD
U.S. Geological Survey
P.O. Box 1125
J. C. O'Mahoney Federal Center
Room 5017
2120 Capitol Avenue
Cheyenne, WY 82001

SOIL CONSERVATION SERVICE

1. Erosion and sediment yield estimates were made on the following watershed:

   a. Public Law 566

Major Drainage	Watershed	County	State
Green River	Red Crk	Sweetwater	WY

Special Study

Erosion maps on 1/50,000 scale were prepared for Rio Blanco and Moffat Counties, Colorado.

Water and Power Resources Service

Water surface profiles for Wolf Creek and Twin Creek were prepared for project conditions and a scour estimate for Wolf Creek Siphon crossing for Strawberry Aqueduct was prepared. The scour estimate of 1.2 m (4.0 ft) was determined by averaging Lacey's, Blench's, Mean Water Depths, Liu's, and Navajo Indian Irrigation Project Scour vs. unit discharge methods.

A field trip in May was made to the reach of channel in the East Fork of the Smith's Fork River below Stateline Dam to gather base data for a sediment transport study. Cross sections were surveyed and suspended samples were taken for each cross section at 4.5 m^3/s (160 ft^3/s) or at 5.4 m^3/s (190 ft^3/s). Bed material samples were taken at two locations and a sample of material that has been deposited in the channel was also collected. Another set of suspended sediment samples and water surface elevation data were collected at five locations in the 8.8 km (5.5 mi) reach just downstream of Stateline Dam during July when the discharge was 8.2 m^3/s (290 ft^3/s).

Sediment sampling equipment and field training were provided on sampling techniques to the Southwest Regional Office and private contractor, Bio/West Inc., for the sediment sampling phase of the San Juan River Environmental Study being conducted on San Juan River below Navajo Dam.

LOWER COLORADO REGION

GEOLOGICAL SURVEY

Lower Colorado-Lake Mead Subregion

1. Suspended-sediment data were collected on a monthly basis at the following sites in cooperation with the U.S. Bureau of Land Management (discontinued November 1979):

Virgin River near Bloomington, Utah
Virgin River above I-15 Rest Area, Ariz.
Virgin River below I-15 Rest Area, Ariz.
Virgin River at Mouth of Narrows, Ariz.
Virgin River at Littlefield, Ariz.

2. Suspended-sediment data are being collected on a monthly basis at the following sites as part of the National Stream Quality Accounting Network (NASQAN):

Virgin River above Halfway Wash near Riverside, Nev.
Muddy River above Lake Mead near Overton, Nev.

3. Suspended-sediment data are being collected at North Fork Virgin River above Zion Narrows, near Glendale, Utah, in cooperation with the Utah Department of Natural Resources.

4. Suspended-sediment data are being collected monthly at Las Vegas Wash near Henderson, Nev., and twice-monthly at Las Vegas Wash near Boulder City, Nev., in cooperation with the U.S. Water and Power Resources Service.

Little Colorado Subregion

1. Suspended-sediment data are being collected on a monthly basis at the following sites in cooperation with the Arizona Department of Health Services:

Little Colorado River at Greer, Ariz.
Little Colorado River above Lyman Lake, near St. Johns, Ariz.
Show Low Creek near Lakeside, Ariz.

2. Suspended-sediment data are being collected on a daily basis in cooperation with the U.S. Corps of Engineers at:

Little Colorado River at Holbrook, Ariz.
Little Colorado River near Joseph City, Ariz.

3. Suspended-sediment data are being collected on a flow event basis at Leroux Wash near Holbrook, in cooperation with the U.S. Corps of Engineers.

4. Suspended-sediment data are being collected on a daily basis at Moenkopi Wash near Moenkopi, Ariz.

5. Suspended-sediment data are being collected on a monthly basis at Little Colorado River at Cameron, as a part of NASQAN.

Lower Colorado Subregion

1. Suspended-sediment discharge are being collected at the following sites in cooperation with the Bureau of Land Management:

Boulder Creek above Copper Creek, near Bagdad, Ariz.
Copper Creek near mouth, near Bagdad, Ariz.
Boulder Creek near mouth, near Bagdad, Ariz.
Burro Creek above Boulder Creek, near Bagdad, Ariz.
Burro Creek at US 93 Bridge, near Bagdad, Ariz.
Big Sandy River near Wikieup, Ariz.
Bill Williams River near Planet, Ariz.
Burro Creek at old US 93 Bridge, near Bagdad, Ariz.

2. Suspended-sediment data are being collected on a monthly basis as a part of NASQAN at:

Colorado River below Hoover Dam, Ariz.
Bill Williams River near Planet, Ariz.
Colorado River above Imperial Dam, Ariz.
Colorado River at northerly international boundary, above Morelos Dam, near Andrade, Calif.

3. Suspended-sediment data are being collected on a monthly basis at Colorado River below Parker Dam, Arizona-California, and at Yuma Main Drain at Southerly International Boundary, near San Luis, Ariz., in cooperation with the Arizona Department of Health Services.

Upper Gila Subregion

1. Suspended-sediment data are being collected on a monthly storm-event basis at Mogollon Creek near Cliff, N. Mex. as a part of the National Hydrologic Benchwork Network.

2. Suspended-sediment data are being collected on a monthly basis at Gila River near Redrock, N. Mex., as part of NASQAN, and at San Francisco River near Glenwood, N. Mex. in cooperation with New Mexico Interstate Streams Commission.

3. Suspended-sediment data are being collected on a monthly basis at the following sites in cooperation with the Arizona Department of Health Services:

Gila River near Clifton, Ariz.
San Francisco River near Clifton, Ariz.
Gila River at Head of Safford Valley, near Salomon, Ariz.

4. Suspended-sediment data are being collected on a monthly basis at Gila River at Calva, Ariz., as a part of NASQAN.

Middle Gila Subregion

1. Suspended-sediment data are being collected on a monthly basis at the following sites in cooperation with the Arizona Department of Health Services:

Gila river at Winkelman, Ariz.
Santa Cruz River at Rio Rico, Ariz.

2. Suspended-sediment data are being collected on a monthly basis as a part of NASQAN at:

San Pedro River at Winkelman, Ariz.
Gila River at Kelvin, Ariz.
Santa Cruz River near Laveen, Ariz.

3. Suspended-sediment data are being collected on a weekly basis at Santa Cruz River near Nogales, Ariz., in cooperation with the Arizona Water Commission.

Salt Subregion

1. Suspended-sediment data are being collected on a monthly basis at the following sites, in cooperation with the Arizona Department of Health Services:

Black River near Fort Apache, Ariz.
White River near Fort Apache, Ariz.
Salt River near Roosevelt, Ariz.
Tonto Creek above Gun Creek, near Roosevelt, Ariz.
Verde River above Clarkdale, Ariz.
Oak Creek at Sedona, Ariz.
Oak Creek at Red Rock Crossing, near Sedona, Ariz.
Oak Creek near Cornville, Ariz.
Verde River near Camp Verde, Ariz.
Gila River below Gillespie Dam, Ariz.

2. Suspended-sediment data are being collected on a monthly basis at Wet Bottom Creek near Childs, Ariz., as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected on a monthly basis as a part of NASQAN at:

Salt River below Stewart Mountain, Dam, Ariz.
Verde River below Bartlett Dam, Ariz.

Lower Gila Subregion

1. Suspended-sediment data are being collected on a monthly basis as a part of NASQAN at:

Gila River above diversions, at Gillespie Dam, Ariz.
Gila River near mouth, near Yuma, Ariz.

Sonora Subregion

1. Suspended-sediment data are being collected on a daily basis at San Simon Wash near Pisinimo, Ariz., in cooperation with the U.S. Bureau of Indian Affairs.

2. Suspended-sediment data are being collected on a monthly basis as a part of NASQAN at:

Vamori Wash at Kom Vo, Ariz.
Whitewater Draw near Douglas, Ariz.

Special Studies

Sediment data were collected during periods of flow at two small water-sheds in the area of strip mining along Coal Mine Wash and Coal Mine Wash at mouth near Kayenta, Ariz., as part of a study pertaining to the effects of strip mining and rehabilitation of spoil piles on the sediment yield.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Federal Building
301 West Congress Street,
Box FB-44
Tucson, AZ 85701

District Chief, WRD
U.S. Geological Survey
Federal Building, Room 227
705 North Plaza Street
Carson City, NV 89701

District Chief, WRD
U.S. Geological Survey
P.O. Box Box 26659
815 Western Bank Building
505 Marquette, NW
Albuquerque, NM 87125

District Chief, WRD
U.S. Geological Survey
Federal Building, Room 8002
125 South State Street
Salt Lake City, UT 84138

SOIL CONSERVATION SERVICE

1. Sediment yield was calculated for the design storm for Reach II of the Roosevelt Water Conservation Floodway in the following watershed:

   a. Public Law 566

Major Drainage	Watershed	Stream	County	State
Gila River	Williams-Chandler	RWCD Floodway	Pinal	AR

   b. River Basin Investigation

An erosion map was completed for the following river basin:

Major Basin	Basin Reported	State
Colorado River	Little Colorado River	AR

   c. Salinity Study

Erosion and sediment relative to contribution to salinity in the Virgin River was estimated for the Moapa Valley area, Nevada.

Non-Point Pollution Studies

County sediment control plans were completed for the New Mexico counties in the region. The state sedimentation study was completed and the New Mexico Water Quality Control Commission accepted the Overall Water Quality Management Plan in May 1979. These plans and studies were done under PL 92-500, Section 208, Non-point Source Pollution. A detailed work plan for continued 208 studies was submitted to the Environmental Protection Agency and accepted December 1979.

Water and Power Resources Service

Scour estimates for all overchutes on the Granite Reef Aqueduct of the Central Arizona Project for Reaches 9, 10, and 12 were 1.1 m (3.5 ft) at the upstream end and 1.5 to 1.8 m (5 to 6 ft) for the downstream ends. Fifty-year sediment inflow values were determined using the Water and Power Resources Service Southwestern United States sediment yield curve. Sediment deposition was determined using Churchill's curve. A 50-year sediment volume of 12,200 m^3 (9.9 acre-feet) was derived for the small area of 10.2 ha (25.1 acres) above station 695+00 on Granite Reef Aqueduct - Reach 12 which will be stored with no outlet so all sediment will be retained. For cross drainage structures occurring in Reach 3 where sediment estimates were required the equation: yield = $1.098A^{-0.24}$ was used. This gives yield in m^3/km^2 per year with the drainage area size A in km^2.

A representative attended a meeting in Boulder City, Nevada, concerning Protection of Las Vegas Valley Lateral Crossing of Las Vegas Wash from possible scour damage. The meeting was held with representatives of the Water and Power Resources Service, the State of Nevada, and Southern Nevada Water System. The group flew over the headcut on Las Vegas Wash that is a threat to the lateral. It was agreed to provide data on prediction on rate of headcut, how the headcut could be stopped, and cost of a structure to control the headcut for a meeting of the Technical Advisory group for the Southern Nevada Water System. A study of the problem showed that a 6.1 m to 9.1 m (20 to 30 ft) headcut would reach the pipe on or before January 1980 (14 percent probability) or with a 50 percent probability to reach the pipe by December 1979. A grade control structure constructed downstream from the crossing prior to January 1980 would cost approximately 2 to 3 million dollars.

For Dominguez Dam a longitudinal profile sediment distribution study was made in order to define the depth of sediment of 7.6 m (25 ft) at the inlet to the Rim Basin Pumping Plant. The 100-year sediment volume of 19.3 x $10^6 m^3$ (15,300 acre-feet) in the delta, 8.7 x $10^6 m^3$ (7,100 acre-feet) immediately behind the dam, and 31.7 x $10^6 m^3$ (25,700 acre-feet) in the intervening reach.

On Twin Lakes, Charleston Heights, and Robinson Laterals on Southern Nevada Water Project a revised scour depth of 0.9 m (3.0 ft) for Rate-of-Flow-Control Station on Twin Lakes Lateral and 1.2 m (4.0 ft) for Mesa Lateral was determined by averaging results from scour depths using Lacey's, Blench's, Mean Water Depth, and Navajo Indian Irrigation Project Scour vs. unit discharge methods.

GREAT BASIN REGION

GEOLOGICAL SURVEY

Bear Subregion

1. Suspended-sediment data are being collected on a monthly and storm-event basis at Twin Creek at Sage, Wyo., in cooperation with the U.S. Bureau of Reclamation.

2. Suspended-sediment data are being collected on a monthly-storm event basis at Bear River at Border, Wyo., as a part of the U.S. Geological Survey Coal Hydrology program.

Great Salt Lake Subregion

1. Suspended-sediment data are being collected on a monthly basis at Red Butte Creek at Fort Douglas, near Salt Lake City, Utah, as part of the National Hydrologic Benchmark Network.

Black Rock Desert-Humboldt Subregion

1. Suspended-sediment data are being collected monthly at the following sites as part of the National Stream-Quality Accounting Network (NASQAN):

Humboldt River near Carlin, Nev.
Humboldt River near Imlay, Nev.
Humboldt River near Rye Patch, Nev.
Quinn River near McDermitt, Nev.

Central Lahontan Subregion

1. Suspended-sediment data are being collected monthly at the following sites as part of NASQAN:

Walker River near Wabuska, Nev.
Carson River near Churchill, Nev.
Truckee River near Nixon, Nev.

2. Suspended-sediment data are being collected at frequencies that vary from monthly to more than twice-monthly at seven sites in the Carson River basin in cooperation with the Nevada Division of Environmental Protection.

3. Suspended-sediment data are being collected twice-yearly at the following sites in cooperation with the U.S. Army Corps of Engineers:

Martis Creek at Highway 267 near Truckee, Calif.
Martis Creek Lake near Truckee, Calif.
Martis Creek near Truckee, Calif.

4. Suspended-solids data are being collected twice-monthly at the following sites in cooperation with the U.S. Environmental Protection Agency:

Truckee River at Farad, Calif.
Truckee River at Lockwood, Nev.

Central Nevada Desert Basins Subregion

1. Suspended-sediment data are being collected monthly at the following sites as part of NASQAN:

Steptoe Creek near Ely, Nev.
South Twin River near Round Mountain, Nev.
Chiatovich Creek near Dyer, Nev.

Special Studies

An investigation of fluvial sediment hazards to potential urban areas was continued in cooperation with the Nevada Bureau of Mines and Geology. The initial area of study was Washoe Valley, a suburban valley between the urban areas of Reno and Carson City, Nevada. Similar work has also been done in

the South Lake Tahoe Area, Carson City area, and in Las Vegas Valley. Results are shown as maps of potentially hazardous areas with respect to both flooding and sediment transport, and are published by the Nevada Bureau of Mines and Geology.

Some sediment-transport data are being collected from the Truckee and Carson Rivers as part of a two-year water-quality assessment study of these drainages in Nevada. Additional data are being collected from the Carson River as part of a nutrient loading study of Lahontan Reservoir, Nevada.

A two-year study of the relations between fluvial-sediment transport and engineered rehabilitation of erosion in the First Creek basin of Incline Village, north Lake Tahoe, was begun in October 1979. Numerous data are being collected to evaluate effects of planned erosion-control measures in this urbanized basin. Data include sediment and nutrient concentrations and particle-size distribution of transported sediment.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Federal Building, Room 227
705 North Plaza Street
Carson City, NV 89701

District Chief, WRD
U.S. Geological Survey
Federal Building, Room 8002
125 South State Street
Salt Lake City, UT 84138

District Chief, WRD
U.S. Geological Survey
P.O. Box 1125
J. C. O'Mahoney Federal Center
Room 5017
2120 Capitol Avenue
Cheyenne, WY 82001

PACIFIC NORHTWEST REGION

CORPS OF ENGINEERS

North Pacific Division

Portland District

Sediment sampling was conducted at two stations on Rogue River for post-impoundment and for planning and design purposes, respectively. Data are being maintained on suspended sediment, bed load, dissolved solids, temperature, turbidity, conductivity, pH and dissolved oxygen.

Information on sedimentation ranges is listed below:

1. Project: Lost Creek Reservoir
   Activity: Installing monuments and surveying sedimentation ranges. All 22 designated ranges have been surveyed and tied in. The draft report will be finalized by 1 October 1980.
   Purpose: Initial survey of reservoir and upstream and downstream channels for later evaluation of aggradation, degradation, and siltation.
   Type of survey: Range Survey
   Elements measured: Position of monuments, profile of ground surface and river sections.
   Equipment used: Survey scope.

2. Project: Applegate Reservoir
   Activity: Installing monuments and surveying sedimentation ranges. There are designated ranges which are being surveyed and tied in. The draft report will be finalized by 1 October 1980.
   Purpose: Initial survey of reservoir and upstream and downstream channels for later evaluation of aggradation, degradation, and siltation.
   Type of survey: Range Survey
   Elements measured: Position of monuments, profile of ground surface and river sections.
   Equipment used: Survey scope.

Seattle District

The following table indicates the reservoir sediment range resurveyed made in 1979:

Project	Ranges Resurveyed
Howard A. Hanson	9
Libby	17
Wynoochee	6

Walla Walla District

For Lower Granite Reservoir, the following ranges were resurveyed:

1. Forty-four ranges on the Snake River between R.M. 107.7 and R. M. 149.0.

2. Three ranges on Asotin Creek, tributary to the Snake River, at R. M. 145.34.

3. Twenty-four ranges on Clearwater River between R. M. 0.67 and R. M. 7.85.

In additon to sediment ranges measured on the Clearwater River, some random soundings were taken on the Clearwater River between R. M. 0.0 and 2.0.

The suspended sediment and bedload sediment sampling program at the stream gaging stations, Snake River near Anatone, and Clearwater at Spalding was completed in 1979. This program was started in March 1972 and ran continuously through FY 1979. Future sampling is not anticipated at the present time.

PACIFIC NORTHWEST REGION

GEOLOGICAL SURVEY

Kootenai-Pend Oreille-Spokane Subregion

1. Suspended-sediment data are being collected on a periodic basis from Pend Orielle River at international boundary and at Spokane River at Long Lake, Wash., as a part of the National Stream Quality Accounting Network (NASQAN).

2. Suspended-solids data are being collected at Spokane River at Riverside State Park as part of the National Water Quality Surveillance System in cooperation with the U.S. Environmental Protecion Agency.

3. Suspended-sediment data are being collected on a daily basis at Kootenai River near Copeland, Idaho, as part of the U.S. Geological Survey waterways-treaty program.

Upper Columbia Subregion

1. Suspended-sediment data are being collected on a periodic basis at Columbia River at Northport, Wash., at Columbia River at Vernita Bridge, near Priest Rapids Dam, Wash., and at Okanogan River at Malott, Wash., as a part of NASQAN.

2. Suspended-sediment data are being collected on a periodic basis at Andrews Creek near Mazama, Wash., as a part of the National Hydrologic Benchmark Network.

3. Monthly suspended-sedient data are being collected at the following sites as part of NASQAN:

Clark Fork below Missoula, Mont.
Flathead River at Flathead, British Columbia
Flathead River at Columbia Falls, Mont.

4. Suspended-sediment data are being collected on a quarterly basis at Columbia River at Richland, Wash., in cooperation with the U.S. Department of Energy.

5. Suspended-sediment data are being collected on a daily basis from irrigation return flows at three sites and periodically from irrigation delivery flows at twenty-two sites on the Royal Slope in Washington, as part of a study of best-management practices in cooperation with the Washington State University.

6. Suspended-sediment data are being collected on a daily basis from EL 68 wasteway near Othello, Wash.

Yakima Subregion

1. Suspended-sediment data are being collected on a daily basis at Yakima River at Kiona, Wash., in cooperation with the Washington State Department of Ecology.

2. Suspended-sediment data re being collected periodically at Yakima River near Union Gap, Wash., as part of NASQAN.

3. Suspended-sediment data are being collected on a daily basis from irrigation-return flows at four sites near Sunnyside, Wash., in cooperation with the Washington State Department of Ecology.

Upper Snake Subregion

1. Suspended-sediment data are being collected on a monthly basis at Cache Creek near Jackson, Wyo., as a part of the National Hydrologic Benchmark Network.

2. Suspended-sediment data are being collected on a monthly basis and at Snake River near Heise, Idaho, as a part of NASQAN.

3. Suspended-sediment data are being collected on a periodic basis at Blackfoot River above reservoir near Henry, Idaho, Blackfoot River near Blackfoot, Idaho, Portneuf River at Pocatello, Idaho, and at Bruneau River near Hot Spring, Idaho, in cooperation with the Idaho Department of Water Resources.

Middle Snake Subregion

1. Suspended-sediment data are being collected at various flow rates at Snake River at King Hill, Idaho, as a part of NASQAN.

2. Suspended-sediment data are being collected on a monthly basis at Big Jacks Creek near Bruneau, Idaho, as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected on a periodic basis at Mores Creek near Arrowrock Dam, Idaho, and at Weiser River near Weiser, Idaho, in cooperation with the Idaho Department of Water Resources.

Lower Snake Subregion

1. Suspended-sediment data are being collected on a monthly basis at Salmon River near White Bird, Idaho, and Clearwater River at Spalding, Idaho, as part of NASQAN.

2. Suspended-sediment data are being collected on a periodic basis at Lapwai Creek near Lapwai, Idaho, and at Palouse River near Potlach, Idaho, in cooperation with the Idaho Department of Water Resources.

3. Suspended-sediment data are being collected at Snake River at Burbank, Wash., as a part of NASQAN.

4. Suspended-sediment data are being collected on a periodic basis at Minam River at Minam, Oreg., as a part of the National Hydrologic Benchmark Network, and at Owyhee River near Owyhee, Oreg., as part of NASQAN.

Middle Columbia Subregion

1. Suspended-sediment samples are being collected on a monthly basis at John Day River near McDonald Ferry, Oreg., at Klickitat River near Pitt, Wash., and at Deschutes River near Biggs, Oreg., as a part of NASQAN.

2. Suspended-sediment data are being collected on a daily basis at Bear Creek near Prineville, Oreg., in cooperation with the U.S. Bureau of Land Management.

Lower Columbia Subregion

1. Suspended-sediment data are being collected on a monthly basis at Columbia River at Warrendale, Oreg., Lewis River at Ariel, Wash., and at Cowlitz River at Kelso, Wash., as a part of NASQAN.

2. Suspended-sediment data are being collected on a daily basis at Bull Run River near Multnomah Falls, Oreg., South Fork Bull Run River near Bull Run, Oreg., North Fork Bull Run River near Multnomah Falls, Oreg., and at Fir Creek near Brightwood, Oregon, in cooperation with the city of Portland, Oreg., to provide some information needed to define the effects of activities in the basin.

Willamette Subregion

1. Suspended-sediment data are being collected on a monthly basis from Tualatin River at West Linn, Oreg., and at Willamette River at Portland, Oreg., as a part of NASQAN.

Oregon-Washington Coastal Subregion

1. Suspended-sediment data are being collected on a monthly basis at Rogue River near Agness, Oreg., Umpqua River near Elkton, Oreg., Siuslaw River near Mapleton, Oreg., Alsea River near Tidewater, Oreg., Nehalam River near Foss, Oreg., Chehalis River at Porter, Wash., Willapa River near Willapa, Wash., and at Queets River near Clearwater, Wash., as a part of NASQAN.

2. Suspended-sediment data are being collected at North Fork Quinault River near Amanda Park, Wash., as part of the National Hydrologic Benchmark Network.

3. Suspended-sediment, bedload, and particle-size data are being collected at Soleduck River at mouth near La Push, Wash., Bogachiel River near La Push, Wash., Calawah River at mouth near Forks, Wash., and at Dickey River near Mora, Wash., in cooperation with the U.S. Corps of Engineers, Seattle District.

4. Suspended-sediment data are being collected on a daily basis by an automatic sampler at Elliott Creek near Copper, Oreg., in cooperation with the U.S. Forest Service.

5. Suspended-sediment data are being collected on a daily basis by automatic samplers at Rogue River below Prospect, Oreg., at South Fork Rogue River, south of Prospect, Oreg., and at Rogue River at McCloud, Oreg., in cooperation with the U.S. Corps of Engineers.

6. Suspended-sediment data are being collected on a periodic basis at Big Butte Creek near McCloud, Oreg., at Elk Creek near Trail, Oreg., and Rogue River at Dodge Bridge, Oreg.

Puget Sound Subregion

1. Suspended-sediment data are being collected on a periodic basis at Elwha River at McDonald Bridge near Port Angeles, Wash., Skagit River near Mount Vernon, Wash., Snohomish River near Monroe, Wash., and at Puyallup River at Puyallup, Wash., as a part of NASQAN.

2. Suspended-sediment data are being collected on a daily basis at four sites in May Creek drainage.

3. Suspended-sediment data are being collected during selected storm-runoff periods at three sites in the Bellevue Urban Study area in cooperation with the City of Bellevue, Wash.

Oregon Closed Basins Subregion

1. Suspended-sediment data are being collected on a monthly basis at Donner und Blitzen River near Frenchglen, Oreg., as a part of NASQAN.

Special Studies

During 1979, suspended and bedload-transport data were collected in the Snake and Clearwater Rivers in the vicinity of Lewiston, Idaho.

Suspended-sediment data are being collected on a daily basis in the Rock Creek drainage near Twin Falls, Idaho, in the Marsh Creek drainage near InKam, Idaho, and in the Cedar Draw drainage near Filer, Idaho.

For additional information about Geological Survey activities within this region, contact the following offices:

District Chief, WRD
U.S. Geological Survey
Box 036
Federal Building, Room 365
550 West Fort Street
Boise, ID 83724

District Chief, WRD
U.S. Geological Survey
830 Northeast Holladay Street
Portland, OR 97232

District Chief, WRD
U.S. Geological Survey
P.O. Box 1125
J. C. O'Mahoney Federal Center
Room 5017
2120 Capitol Avenue
Cheyenne, WY 82001

District Chief, WRD
U.S. Geological Survey
301 South Park Avenue
Federal Building, Room 428
Drawer 10076
Helena, MT 59601

District Chief, WRD
U.S. Geological Survey
1201 Pacific Avenue, Suite 600
Tacoma, WA 98402

SOIL CONSERVATION SERVICE

1. Studies of erosion and sediment yields were made in the following watersheds:

a. Public Law 566

Major Drainage	Watershed	Stream	County	State
Columbia River	East Wenatchee	Wenatchee R.	Chelan	WA

Sediment yield estimates were made to the watershed mouth with and without proposed works of improvement. Proposed works include a diversion system with a pipe entering directly into the river. Terraces and other land treatment practices were evaluated on the sediment yield calculations.

Little Salmon	Brundage	Goose Crk	Valley	ID

b. River Basin Investigation

Major Basin	Basin Reported	State
Columbia	Middle and Lower Snake River	ID

An inventory of erosion and sedimentation conditions was begun on the middle and lower Snake River Basins. This study will develop sediment delivery ratios by land capability unit and land use and identify conservation practices that will reduce erosion and sediment yield from cropland, rangeland, and forest and recreation lands. This data will be used in a linear programming model to predict future erosion rates for different combinations of conservation practices.

c. Non-point Pollution Study

Area	Counties	State
North Central	Wasco, Sherman, Gilliam, Morrow, Umatilla	OR

Two watershed areas are being evaluated as a sample to extrapolate to the five county area.

Special Study

Sediment deposition within the Missouri Flats Watershed, Whitman County, Washington was measured for comparison with the suspended land sediment station located at the mouth of the watershed. This was done jointly with SEA personnel.

Water and Power Resources Service

A degradation study and report for Grand Coulee Third Powerplant was prepared that included an analysis of the riverbed and the bank surface stability and recommendations for remedial actions to protect the riverbed and right bank during future peaking operations. Visits were made to the Vicksburg District Office of the Corps of Engineers to discuss river stabilization methods to be employed on the Columbia River downstream from Grand Coulee Dam and to the Grand Coulee Project Office with the study group to examine the 9.7 km (6 mi) reach of the Columbia River below the dam.

A sediment study was prepared on sediment discharges of the Similkameer and Okanogan Rivers. The sediment rating curve derived therein gave an estimated diversion at the Cordell Pumping Plant Site of 203 tonnes (244 tons) and deposition of 107 tonnes (118 tons) of sediment per irrigation season would occur in a settling basin 122 m (400 ft) by 8.5 m (28 ft) by 3.3 m (10 ft) deep. A meeting was held to discuss the design for model studies of a below-streambed filter for excluding sediments from the irrigation waters. If a filter was used instead of a settling basin 0.15 m (0.5 ft) deep of 50 mm particles this would probably protect a filter placed below it from erosive forces.

A scour study for the Similkameen River Siphon crossing was prepared. Using surveyed cross sections on the Okanogan and Similkameen Rivers a water surface profile for the 100-year flood of 1,250 m^3/s (44,000 ft^3/s) was computed. The hydraulics were then used to estimate a scour depth at the siphon of 3.3 m (10 ft).

A field inspection of the sand problems that the Tualatin Valley Irrigation District is experiencing at the Spring Hill Pumping Plant on the Tualatin River was made and bed material samples were collected above, at, and below the pumping plant. The short-range solution to the problem is removal of the rock weir across the channel in front of the plant and relocating it downstream. The long-range solution includes three alternatives that will require feasibility studies.

CORPS OF ENGINEERS

South Pacific Division

Los Angeles District

Reservoir sedimentation Data Summary Sheets (ENG Form 1787) for twelve basins are completed. These basins are: Big Tujunga, Pacoima and Santa Anita Flood Control Basins and Bailey Canyon, Beatty, Big Dalton, Carter Englewild, Gordon, Harrow, Little Dalton, and Sierra Madre Villa Debris Basins.

Sacramento District

Routine samples of lake outflows were collected and analyzed for suspended sediment of Black Butte, Pine Flat, Kaweah, Success and Isabella Lakes.

Samples for total and suspended sediment were collected at numerous sites on the Sacramento River.

Daily samples for total sediment were collected on Cottonwood Creek during periods of high flow.

San Francisco District

Sedimentation activities during 1979 consisted of obtaining data on sediment transport and turbidity in connection with water resources projects being studied, currently authorized, under construction or in operation. These activities are summarized below:

Sedimentation Studies for Water Resources Projects

1. There are six cooperative sediment sampling stations currently in operation in the San Francisco District. The long term sediment sampling station on the Eel River near Scotia was added to the cooperative program when funding for the station was dropped from the State of California budget. Data from this station will be used in the ongoing Eel River Basin Study. Data from the other five stations will be used to evaluate the effects of the Coyote Dam-Lake Mendocino and Warm Springs Dam-Lake Sonoma Projects on the sedimentation characteristics of Dry Creek and the Russian River and to evaluate the sediment transport characteristics of Wildcat Creek and Corte Madera Creek. The data gathered on Wildcat Creek and Corte Madera Creek will be used to develop maintenance requirements associated with the authorized flood control projects on these streams.

2. A program designed to monitor the turbidity of inflow to and released from Lake Mendocino has been in operation since March 1973. Measurements are made biweekly by reservoir operations personnel under the guidance of the U. S. Geological Survey (USGS). The data are then published in the USGS Water Supply Papers.

3. The turbidity monitoring program being conducted for the Warm Springs Dam-Lake Sonoma Project was continued in 1979. Water quality samples taken four times a year at four stations above the damsite are analyzed for turbidity to augment the turbidity data being gathered at the cooperative sediment sampling station, Dry Creek near Geyserville.

CALIFORNIA REGION

GEOLOGICAL SURVEY

Klamath - Northern California Coastal Subregion

1. Lumbering and sawmill operations at the preriphery of Redwoods National Park, Calif., may load the streams entering the park with sediment and unwanted nutrients. A study is being made to determine the present rates of sediment transport, the chemical quality, and the level of nutrients of the streams at the periphery and within the park, and to provide an overall appraisal of water resources in the park. Two data releases covering the period September 1, 1973 through September 30, 1975, have thus far been published. The study will aid the National Park Service in developing and protecting the water resources and ecological system in the park. Work is being done in cooperation with the National Park Service.

2. The Grass Valley Creek project is a continuing total-load data-collection program in cooperation with the California Department of Water Resources. The study was begun in 1976 to determine the amount of sediment contributed by Grass Valley Creek to the Trinity River below Lewiston Dam.

Sacramento Subregion

1. A report on the trap efficiency of Highland Creek Reservoir near Kelseyville, Calif., is in preparation. This study was made in cooperation with the U.S. Soil Conservation Service.

2. The Cottonwood Creek project is a continuing total-load data-collection program for the U.S. Corps of Engineers. Sediment data are being collected to determine sediment discharge at two dam sites and at a site near the mouth of Cottonwood Creek.

3. The Sacramento River Bank Stabilization Project is a data-collection program for the U.S. Corps of Engineers. The purpose of the study is to determine sediment sources and sinks and modes of transport for the Sacramento River and major tributaries of the Sacramento. During 1979, total-load data were collected at 13 sites and suspended-load data were collected at one site. Bed-material samples and cross-section surveys were obtained at 37 additional sites to provide data for a HEC-6 sediment-transport model in preparation by the U.S. Corps of Engineers. In addition, one data set was obtained for the Bend Study, a program designed to provide velocity-vector data as at river bend for the U.S. Corps of Engineers.

4. The Delta Turbidity Project is a continuing data-collection program in cooperation with the California Department of Water Resources. The purpose of the project is to determine suspended-sediment discharge and turbidity for the Sacramento and San Joaquin Rivers near their mouths.

5. The Peripheral Canal Sediment Project is designed to provide sediment-transport information in the vicinity of the proposed Peripheral Canal Diversion site near Hood, Calif. In 1979, periodic data were obtained to determine the vertical and

lateral variability in velocity, suspended-sediment concentration, and percentage of sand in suspension. The study was made in cooperation with the California Department of Water Resources.

San Francisco Bay Subregion

1. A report on sediment transported by streams tributary to San Francisco Bay, Calif., is in preparation. Short-term sediment discharge records were used to estimate annual sediment discharge during the period 1909-66.

2. A combination scientific and land-use planning report of Napa and Sonoma Counties in the San Francisco Bay, Calif., region is being prepared as a culmination of geomorphic studies begun in 1971. The report is based on a four-step procedure that defines the relations among terrain properties, land use activities, and erosional problems. The four steps are: (1) identification of land use activities, (2) collation of the critical physical factors that control land-surface stability, (3) mapping of erosional and depositional features, and (4) production of a matrix relating land-use activities to erosional and depositional province disturbance potential. Study is part of the USGS-HUD San Francisco Bay, Calif., Regional Study.

3. The Cull Canyon Project is a data-collection program to determine major sources of sediment upstream from Cull Canyon Reservoir. The study is being made in cooperation with the Alameda County Flood Control and Water Conservation District.

4. The Lake Temescal Project is designed to determine sediment yield from various upper-basin sources and major tributaries upstream from Lake Temescal. The study is being made in cooperation with the East Bay regional Park District.

Central California Coastal Subregion

A study to determine the effect of the Marble Cone Fire (August 1977), near Big Sur, Calif., on sedimentation in Los Padres Reservoir near Carmel Valley, Calif., is underway. Reservoir surveys were made in November 1977 and September 1978. Surveys will be continued on an annual or biannual basis to monitor future changes in storage capacity. This study was made in cooperation with the Monterey Peninsula Water Management District and the U.S. Forest Service.

Southern California Coastal Subregion

1. The project, "Effects of river modifications and control structures in the Santa Clara River Basin, Ventura and Los Angeles counties, California," is in progress. The study will document the effects of rivercontrol structures and of sand-and-gravel mining on streamflow, phreatophyte growth, channel morphology, and sediment transport in the Santa Clara River basin. Sediment delivery to the shoreline and sediment size, quantity, and relation to beach stability will also be examined.

2. An assessment of the impacts of off-road-vehicle use in the Canada de Los Alamos basin has been completed and is published as follows:

> Knott, J. M., 1980, Reconnaissance Assessment of Erosion and Sedimentation in the Canada de Los Alamos Basin, Los Angeles and Ventura Countries, California: Menlo Park, California, U.S. Geological Survey Water-Supply Paper 2061

3. A study to estimate long-term total sediment discharge in the Santa Clara River basin has been completed. The study includes estimates of sediment discharge under both natural and actual (reservoir development) conditions. A final report is published as follows:

> Williams, R. P., 1979, Sediment Discharge in the Santa Clara River Basin, Ventura and Los Angeles Counties, California: Menlo Park, California, U.S. Geological Survey Water-Resources Inv. 79-78, 51 p.

For additional information about Geological Survey activities within this region, contact the following office:

District Chief, WRD
U.S. Geological Survey
855 Oak Grove Avenue
Menlo Park, CA 94025

SOIL CONSERVATION SERVICE

1. Studies of sediment damages and determination of sediment yields were made in the following watersheds:

   a. Public Law 566

Major Drainage	Watershed	Stream	County(s)	State
Tulare Subregion	Tehachapi	Tehachapi	Kern	CA
Suisun Bay	Lower Pine Crk	Pine Crk	Contra Costa	CA

Non-Point Pollution Studies

Twenty-eight mini-reports (four for each of seven Pilot Study Areas) and a "Recommended Plan of Best Management Practices, Agricultural Sediment, Central Valley Region, California, 1979," report were published as basic data for a "208" water quality management plan developed by the State of California. The pilot study areas are:

Pilot Study Area	County	State
Red Bank Crk	Tehama	CA
Buckeye-Dunnigan Crk	Yolo	CA
Morlar Flats	Fresno	CA
Willow Crk	Lassen	CA
Georgetown, Camino-Fruitridge	EL Dorado	CA
Citrus Cove	Fresno	CA
Spanish Grant District and Crow Crk	Stanislaus	CA

Special Study

The Highland Creek Sediment Study in Lake County, California is being discontinued. The purpose of the study was to compare predicted sediment yield using the USLE to measured sediment deposition in two small ponds. Observations made in late 1979, indicated that removal of cover by mechanical means had ceased and cover conditions were excellent.

Land use data was brought up to date on the six reservoirs that are included in the National Sediment Survey of Selected Reservoirs.

Water and Power Resources Service

The 5-, 10-, 50-, and 100-year flood peaks for two areas near inlet portal and one area at outlet portal for the Santa Clara Tunnel, San Felipe Division, were estimated. Water surface profiles and scour estimates of 1.5 m (5.0 ft) for the channel at outlet portal were also estimated.

Water surface profile and scour estimates were prepared for relocation of Petroleum Creek Siphon and O&M Bridge on the Tehama-Colusa Canal. Scour estimates at both points are 1.5 m (5.0 ft) as determined by averaging results from scour depths using Blench's, Lacey's, Mean Water Depth, and the Navajo Indian Irrigation Project Scour vs. unit discharge methods.

A rough draft was reviewed of the Sediment Discharge Analysis of Appendix B to the Trinity River Basin Fish and Wildlife Management Program prepared by Frederiksen, Kamine, and Associates, Inc. of Sacramento, California. A flow duration, sand discharge rating curve procedure was recommended as a check or the method for estimating sand discharge budgets. Check computations for the Grass Valley Creek sediment yield showed 0.35 tonne/km^2 (3,380 tons/mi^2) per year based on data from near Fawn Lodge. A suspended sediment rating curve and a total sediment rating curve were developed and used in conjunction with a flow duration curve in the analysis.

The Trinity River Basin Fish and Wildlife Comprehensive Action Program Draft Report by VTN Consolidated, Inc. on Fish and Wildlife Management options was reviewed. This report presented many proposals involving channelization, removal of vegetation, construction of groins, placement of large boulders in the channel, removal of channel constrictions, construction of more pools and riffles, addition of gravels, and removal of sand from the Trinity River Channel. All of these proposals on the mainstem and tributaries were not evaluated from a sediment transport, morphologic, or stability approach which will be needed for proper design.

A field trip was made to the Trinity River Basin in California to collect data for a sediment transport study. Data were collected at 10 locations in a 8.0 km (5 mi) study reach for discharges 8.5 m^3/s (300 ft^3/s) and 17.0 m^3/s (600 ft^3/s) which included flow measurements, water surface elevations, suspended sediment samples, bed material samples, water temperature, and bedload measurement. The bedload was measured using a Helley-Smith hand sampler; suspended samples were collected using a DH-48; and bed materials were sampled using a clam-shell sampler. A sediment transport study is being conducted as part of a task force program to eliminate sand from the Trinity River which has damaged the fish habitat.

The sediment deposition problem being experienced at Twitchell Dam of the Santa Maria Project was reviewed, and it was pointed out that solutions may involve raising the outlet works intake or changing the operation of the reservoir.

ALASKA REGION

CORPS OF ENGINEERS

North Pacific Division

Alaska District

The ongoing sediment transport study for the Tanana River near Fairbanks was continued for 1979. The results of this study are contained in the U.S.G.S. open file report, "Sediment Transport in the Tanana River, in the vicinity of Fairbanks, Alaska."

Work was also initiated in 1979 to collect sediment data associated with the Bradley Lake Hydroelectric Project. This data and all other sediment data collected through the Cooperative Stream Gaging Program will be reported in the U.S.G.S. publication, Water Resources Data for Alaska.

ALASKA REGION

GEOLOGICAL SURVEY

Arctic Slope Subregion

1. Suspended-sediment data are being collected on a periodic basis at the Kuparuk River near Deadhorse, Alaska, as part of the National Stream Quality Accounting Network (NASQAN). Suspended-sediment data are being collected infrequently at Colville River near Nooiksut, Alaska, as part of NASQAN.

Northwest Alaska Subregion

1. Suspended-sediment data are being collected on a periodic basis at Kobuk River near Kiana, Alaska, as part of NASQAN.

Yukon Subregion

1. A cooperative study with U.S. Corps of Engineers to collect and evaluate sediment-transport and river hydraulic data in the Tanana River near Fairbanks, Alaska, was continued in 1979. Suspended-sediment and bedload data are being collected in the Tanana River at Fairbanks, Alaska, and at Tanana River near the North Pole, Alaska. The Corps of Engineers will use these data in the design and operation of engineering structures on the Tanana River and the regulation of the quarrying of gravel from the river in the vicinity of Fairbanks, Alaska.

Report: Burrows, R. L., Parks, B., Emmett, W. W., 1977-78, Sediment Transport in the Tanana River in the Vicinity of Fairbanks, Alaska, 1979; U.S. Geol. Survey, open-file report 79-1539, 37 p.

Report in Preparation: Burrows, R. L., 1979, Cross-section, Velocity, and bed-load data at two sites on the Tanana River near Fairbanks, Alaska, U.S. Geol. Survey, open-file report.

2. In cooperation with the Alaska Department of Natural Resources, a study was continued in 1979 to evaluate the geohydrology of the Delta-Clearwater area in relation to the agricultural development in this area. Suspended-sediment data were collected at Clearwater Creek near Delta Junction, Alaska.

3. Suspended-sediment data are being collected on a periodic basis at the Yukon River at Pilot Station, Alaska, and on an infrequent basis at Yukon River at Eagle, Alaska, as a part of NASQAN.

4. Suspended-sediment data are being collected periodically at the Fortymile River near Steele Creek, Alaska.

5. Suspended-sediment data are being collected periodically at the Tanana River at Nenana, Alaska, as part of NASQAN.

Southwest Subregion

1. Suspended-sediment data are being collected on a periodic basis at Kuskokwim River at Crooked Creek, Alaska, as a part of NASQAN.

South Central Alaska Region

1. The cooperative program with the U.S. Army Corps of Engineers to evaluate the proposed Watana and Devil's Canyon hydroelectric power sites was continued through 1979. Suspended-sediment data are being collected on a periodic basis at Susitna River near Denali, Alaska, and at Susitna River near Gold Creek, Alaska.

2. The cooperative program with the U.S. Forest Service was continued through 1979. Suspended-sediment data are being collected on a periodic basis at Dick Creek near Cordova, Alaska, and at West Fork Olsen Bay Creek near Cordova, Alaska. These data will be used to define the water quality on Forest Service lands.

3. A periodic suspended-sediment data co.lection program was initiated in October, in cooperation with the U.S. Army Corps of Engineers, on Katchemak Creek (entering Bradley Lake) near Homer, Alaska, and Bradley River (Bradley Lake outlet) near Homer, Alaska. There data are in support of a hydroelectric power study by the Corps and will be used in evaluating reservoir storage capacity and structure design.

4. A cooperative study was initiated with the U.S. Fish and Wildlife Service to describe the channel morphology, hydrology, sediment transport, and water quality of the Kenai River between Skilak Lake and the mouth. Daily suspended-sediment samples were collected from the Kenai River at Soldotna, Alaska, from August 29 through December 5, 1979.

5. Suspended-sediment data are being collected on a periodic basis at Talkeetna River near Talkeetna, Alaska, as part of the National Hydrologic Benchmark Network.

6. Suspended-sediment data are being collected on a periodic basis at Susitna River at Susitna Station, Alaska, and at Copper River near Chitina, Alaska, as a part of NASQAN.

7. Suspended-sediment data are being collected on a miscellaneous basis at the following sites:

Chuitna River near Tyonek, Alaska
Skwentna River near Skwentna, Alaska

Southeast Alaska Subregion

1. As part of the cooperative program with the U.S. Forest Service, suspended-sediment data are being collected on a periodic basis at the following sites:

Kalinin Creek near Sitka, Alaska
Old Tom Creek near Kasaan, Alaska
Big Creek near Point Baker, Alaska
Perkins Creek near Ketchikan, Alaska
Rocky Pass Creek near Kake, Alaska
Zarembo Creek near Wrangell, Alaska
Zarembo Creek near Point Baker, Alaska
Navy Creek Outlet near Myers Chuck, Alaska
Municipal Watershed Creek near Petersburg, Alaska
Stephens Creek near Angoon, Alaska
Nicholas Creek near Angoon, Alaska
East Bradfield Creek near Wrangell, Alaska
Greens Creek near Juneau, Alaska

2. A cooperative study with the Alaska Department of Environmental Conservation on the hydrology and water quality of the Keta River basin near Ketchikan was continued in 1979. Suspended-sediment data are being collected at Keta River near Ketchikan, Alaska, and at White Creek near Ketchikan, Alaska.

3. Suspended-sediment data are being collected on a periodic basis at the Stikine River near Wrangell, Alaska, and at Skagway River at Skagway, Alaska, as a part of NASQAN.

4. Suspended-sediment data are being collected on a miscellaneous basis at Whipple Creek near Ward Cove, Alaska.

For additional information about Geological Survey activities within this region, contact the following office:

District Chief, WRD
U.S. Geological Survey
Skyline Building
218 East Street
Anchorage, AK 99501

HAWAII REGION

GEOLOGICAL SURVEY

Hawaii Subregion

1. Monthly suspended-sediment data collection was discontinued at Wailuku River at Piihonua, Hawaii. The station was relocated 4 miles downstream as a part of the National Stream Quality Accounting Network (NASQAN).

2. Suspended-sediment data are being collected on a monthly basis at Honolii Stream near Papaikou, Hawaii, as a part of the National Hydrologic Benchmark Network.

3. Suspended-sediment data are being collected on a daily basis at one site in the Wailuku River basin, Hawaii, in cooperation with the U.S. Corps of Engineers. An automatic sampler was installed at the sampling site in Hilo. Data collection was disrupted in November 1979 during a tropical storm when record high water destroyed the gaging station.

Maui Subregion

1. Suspended-sediment data are being collected on a monthly basis at Kahakuloa Stream near Honokohau, Hawaii, as a part of NASQAN.

Molokai Subregion

1. Suspended-sediment data are being collected on a monthly basis at Halawa Stream near Halawa, Hawaii, as a part of NASQAN.

Oahu Subregion

1. Suspended-sediment data are being collected at the following sites:

   (a) Waikele and Kalihi Streams, Hawaii, as a part of NASQAN.

   (b) Kipapa and Kalihi forest reserves, Hawaii, in cooperation with the U.S. Forest Service.

   (c) Kamooalii Stream near Kaneohe, Hawaii, in cooperation with the U.S. Corps of Engineers.

   (d) Moanalua Valley in cooperation with the State of Hawaii, Department of Land and Natural Resources.

Kauai Subregion

1. Suspended-sediment data are being collected on a monthly basis at Waimea River at Waimea, Hawaii, as a part of NASQAN.

For additional information about Geological Survey activities within this region, contact the following office:

District Chief, WRD
U.S. Geological Survey
P.O. Box 50166
300 Ala Moana Boulevard, Room 6110
Honolulu, HI 96850

CARIBBEAN REGION

GEOLOGICAL SURVEY

Puerto Rico Subregion

1. Suspended-sediment data are being collected on a bi-monthly basis at 48 sites in cooperation with the Puerto Rico Environmental Quality Board.

2. Suspended-sediment data are being collected on a monthly basis at the following sites as a part of NASQAN:

Río de la Plata at Toa Alta, P.R.
Río Grande de Manatí near Manatí, P.R.
Río Grande de Añasco near San Sebastian, P.R.
Río Grande de Patillas near Patillas, P.R.
Río Fajardo near Fajardo, P.R.
Río Cerrillos near Ponce, P.R.

3. Suspended-sediment are being collected on a daily basis at Río Tanamá near Utuado, P.R., in cooperation with the Puerto Rico Environmental Quality Board.

4. Suspended-sediment are being collected on a daily basis at Río Cerrillos near Ponce, P.R., in cooperation with the U.S. Corps of Engineers.

For additional information about Geological Survey activities within this region, contact the following office:

District Chief, WRD
U.S. Geological Survey
P.O. Box 34168, Building 652
Ft. Buchanan, PR 00934

SOIL CONSERVATION SERVICE

1. Reservoir Sedimentation Survey

   a. A sedimentation survey was conducted in November 1979, on Loiza Lake (Carraizo). Sediment accumulations have not yet been computed.

Water and Power Resources Service

Estimates of sediment deposition behind Guajataca Dam were made for existing and 2079 conditions. The estimated yield rate, using a yield vs. drainage area relationship developed for Northern and Central Puerto Rico from reservoir resurveys was 1,570 m^3/km^2 (3.29 acre-feet/mi^2) per year. The estimated existing and 2079 deposition was 2,900 acre-feet and 8,600 acre-feet, respectively.

FOREIGN ACTIVITIES

Water and Power Resources Service

A letter from Mr. M. S. Pattihal of India inquired about standard particle sizes of sediment samples collected during sediment surveys in reservoirs. References were made to the AGU classification published by Mr. E. W. Lane in 1947, which has been adopted in sedimentation investigations in the United States.

Feasibility Design Data for Miramar Dam and Brito Entrance Channel Headwork Structures in Nicaragua were reviewed and changes in the report were recommended as follows: 1. The sediment density should be changed to 1.36 t/m^3 (84.8 lb/ft^3); 2. For feasibility designs a sediment yield of 459 t/km^2 (1,310 $tons/mi^2$) per year for the Brito River Basin should be used; 3. The estimated trap efficiency for Miramar Reservoir should be 45 percent according to the Brune Procedure; 4. The 100-year volume of sediment is $4.65 \times 10^6 m^3$ (3,700 acre-feet). This gives a depth of sediment at the dam of 3.1 m (10.3 ft) or to an elevation of 10.1 m (33.3 ft); and 5. A stability as well as a sediment transport study are needed for the canal which connects Lake Nicaragua with Miramar Reservoir.

A presentation to a group of Agricultural Engineers from India included a series of slides showing the techniques used by the Water and Power Resources Service for excluding the coarser sand size material at diversion structures to canals.

Water surface profiles and degradation estimates were made downstream of Batu Damsite, Kuala Lumpur Flood Mitigation Project in Malaysia. An estimated degradation of 0.3 m (1.0 ft) downstream of the dam is considered small; therefore, no tailwater study based on degraded conditions is required.

A representative of the Water and Power Resources Service attended the United States - Pakistan Binational Symposium in Lahore, Pakistan. The symposium on the Mechanics of Alluvial Channels sponsored by the National Science Foundation consisted of presentations of many technical papers on many aspects of the data collection program on canals in Pakistan and Panel Discussions by participants on the present and future program in Pakistan. A field trip was made to the Mangla Dam and Tarbela Dam Projects to observe sediment and erosion problems especially at Tarbela Dam on the Indaus River.

LABORATORY AND OTHER RESEARCH ACTIVITIES

CORPS OF ENGINEERS

Coastal Engineering Research Center

DATA COLLECTION OF LITTORAL MATERIALS AND FORCES (LEO). The Littoral Environment Observation (LEO) program is a cooperative program carried out among Corps of Engineers District Offices, CERC, representative state agencies and volunteer observers. The present program involves the States of California, Michigan, Texas, Florida, Maryland, Oregon, Ohio, Georgia, Wisconsin, Washington, North Carolina, South Carolina, Pennsylvania, Massachusetts, and New York. In addition, LEO sites established under the Section 54 SEAP Program include the states of Washington, Alaska, Hawaii, Pennsylvania, California, Florida, Louisiana, Oregon, South Carolina, North Carolina, Ohio, Michigan and Wisconsin. The parameters measured daily are: breaker height, period, direction, type; longshore current velocities; wind speed and direction; foreshore slope; rip current spacing; beach cusp spacing and monthly sand samples.

Weekly profile measurements are made at the sites in New York. The LEO data is collected, collated and summarized for participating Corps Districts, state agencies and other volunteers. These data summaries show the climatology of surf, nearshore currents, coastal winds, beach geometry and sediment characteristics.

NUMERICAL MODELING OF COASTAL SYSTEMS. This study was initiated in 1976 to investigate the feasibility of developing a numerical model that would predict the response of a shoreline to changes in wave energy acting on it. Initial conclusions are that an approximate model suitable for use in planning studies can be developed that will provide estimates of the effects of various coastal structures on adjacent shorelines. A detailed literature survey of publications relating to mathematical prediction of shoreline evolution was published in 1977. (MR 77-10, "Mathematical Modeling of Shoreline Evolution" by B. LeMehaute and M. Soldate.)

Current efforts are being directed toward the development of a numerical computer model based on the equations of longshore sediment transport and the mass balance equation for the sediment. A paper describing the mathematical model was published in 1979 (M. Perlin, "Predicting Beach Planforms in the Lee of a Breakwater," Coastal Structures 79, proceedings published by the American Society of Civil Engineers, 1979). Several contract reports will be published in 1980 and 1981. The eventual product will be a computer program that will permit preconstruction estimates of the effects of proposed coastal structures, the interaction among several coastal structures along a shoreline and a method of estimating the damages attributable to the construction of a given navigation project.

WEIR JETTY ORIENTATION AND ELEVATION. A three phase study to investigate the functional and hydraulic behavior of weir jetty systems was initiated in late 1976. The research study includes two sets of laboratory experiments and a prototype data collection program.

A series of movable-bed laboratory tests will seek to quantify the distribution of sediment transport across a weir section for various wave conditions. A second series of tests using tracer material in a fixed bed model will attempt to determine relative volumes of sediment carried over the weir section and around the jetty and monitor the response of the updrift shoreline of a number of weir jetty systems to changes in wave direction. The prototype data collection program will measure the distribution of sediment transported across the weir sections of currently existing systems.

Expected output from this study will permit designers to use the empirical data to evaluate proposed weir jetty system designs and to establish OPTIMUM weir crest elevation, orientation and length.

PROTOTYPE EXPERIMENTAL GROIN, POINT MUGU, CALIFORNIA. The experimental and data collection phase of the study was completed 30 June 1976. All components of the permeable groin were removed by January 1977. The study is currently in the data analysis phase.

The final hydrographic survey and sediment samples were obtained in May 1976. Approximately 500 sand samples have been analyzed to determine mean particle size distribution and other statistical parameters. These parameters are being studied to determine their relationship to the longshore energy transport, foreshore beach slope and beach firmness.

This information will be included in the report on the functional performance of the experimental groin due to be published in 1980.

EVALUATION OF SHORE PROTECTION STRUCTURES. Analysis of the data from the North Carolina Beaches and the Texas Coast Inlet Study is currently in progress, the former under contract and the latter in-house. A CETA relating sea-level rise to erosion rates was completed and published in May 1979. The final draft of a report entitled "Guidelines for the Design of Weir Jetty Sand By-passing System" has been completed and is being reviewed. Monitoring programs have been initiated at Lakeview Park, OH (Offshore Breakwaters), Murrels Inlet, SC (Weir Jetty System), and Little River Inlet, SC (Weir Jetty System). Monitoring plans will be developed for Tybee Island, GA (A proposal groin with weir section) and Presque Isle, PA (Series of Detached Breakwaters). Data sheets for evaluating low cost shore protection in the field are being developed to result in a loose leaf notebook on the structural characteristics and performance of various low cost shore protection schemes.

SEDIMENTATION IN HIGH TIDE RANGE AREAS. Objectives of this study are to develop methods to predict the degree of shoaling that might be expected in a prototype harbor basin in Alaskan waters or other high tide range areas, and to develop a means of minimizing shoaling. Emphasis in 1979 was on report writing. Two reports were completed:

1. Everts, Craig H. "A Method to Forecast Sedimentation Rates Resulting From the Settlement of Suspended Solids Within Enclosed Harbors", CERC publication expected in 1980.

2. Everts, Craig H., "A Method to Predict the Stable Geometry of a Channel Connecting an Enclosed Harbor and Navigable Waters", CERC publication expected in 1980.

and one was prepared for presentation to the 17th Coastal Engineering Conference:

Everts, Craig H., "Design of Enclosed Harbors to Reduce Sedimentation", to be published in Conference proceedings.

CURRITUCK SAND BYPASS TEST. The split-hull dredge CURRITUCK has the capability to excavate sediment from shallow coastal inlet entrance channels and transfer that sediment to shallow nearshore areas adjacent to the inlets. The purposes of the CURRITUCK study were to monitor the movement of dredged material placed in the nearshore zone; to determine its response to littoral processes; and to evaluate the shallow water placement technique for beach restoration application.

Phase I of the study was a 1976 field effort to monitor the movement of 35,000 yd^3 (27,000m^3) of sand placed as a single mound in minimum water depths of 8 feet near New River Inlet, NC. The major finding was that most of the sand moved rapidly landward into the surf zone. The success was incomplete, though, in that most of the dumped sand, once it reached the surf zone, was carried in an alongshore direction rather than onshore to restore the adjacent beach. The net volume of sand in the total littoral system, however, was increased.

Following completion of Phase I, a Phase II field operation was initiated at the same field site during the summer of 1978 to examine the movement of sand placed in several mounds at different water depths. If a timely shoreward movement of sand continued to result with the deeper water placement technique, the cost efficiency of the disposal operation could be significantly increased.

The twelve-month Phase II field study was conducted during the summer and fall of 1978 and the winter and spring of 1979. A total of 53,000 yd^3 of sand was placed as three separate mounds in water depths of 8 ft, 10 ft, and 12 ft. Time-sequence profile data (CRAB surveys), sediment

samples and wave and current date were collected. An examination of the data set indicates that the shallowest mound responded similarily to that of Phase I. Although sand movement occurred on the deeper-water mounds, the transport effects were much less. Analysis of data from the twelve-month field effort has been done and it is anticipated the report will be prepared in 1980.

An initial report on Phase I was published in 1977(ASCE Sediment '77, "Nearshore Disposal: Onshore Sediment Transport," by R.K. Schwartz and F.R. Musialowski) and a more extensive final report is being published by CERC. An interim report on Phase IV was finalized in May 1979.

EVALUATION AND TESTING OF PROFILE RESPONSE MODEL (GREAT LAKES SHORE EVOLUATION). Long-term changes in the water elevation on the Great Lakes are cyclic, but unpredictable. As the weather varies there are periods of rising water levels which last for several years followed by similar periods of falling levels. After reaching a 115-year record low in 1964, the annual mean surface elevation of Lake Michigan rose steadily to an 86-year record high in 1973. Beach profile sites initially established by the Lake Survey (USCEC) in 1967 on the east shore of Lake Michigan were resurveyed in 1969, 1971, 1975, and 1976 to gain insight into beach and nearshore bathymetric changes which accompanied this long term rise in lake levels.

Comparison of short-term profile changes (days to months) with the net change over a number of years, indicated that storm and seasonal effects were overshadowed by the gradual, cumulative adjustment of the profile. Between 1967 and 1971 the annual mean elevation of Lake Michigan rose 0.5 meters. In the restricted area where profiles dated back in 1967, most of the inner three longshore bars also rose 0.5 meters in elevation and migrated 26 meters landward. The shoreline retreated an average of only 13 meters during this period. Roughly one half of this retreat was attributable to simple submergence as the lake rose; the other half represented recession due to actual erosion. A report summarizing bar characteristics and profile changes between 1967 and 1971 was published, (TR-76-1), "Observations of Barred Coastal Profiles Under the Influence of Rising Water Levels, Eastern Lake Michigan, 1967-71," by E.B. Hands.

In a cooperative program with NOAA the profile sites were resurveyed in 1975. Results showed that the rate of shore retreat remain well above the historic average even though the water level had reached its peak two years earlier. A presentation on the effect of submergence on shore erosion rates was made before the 2d International Symposium on Land Subsidence, December 1976. ("Some Data Points on Eroison and Flooding for Subsiding Coastal Region," by E.B. Hands).

The study was resurveyed in 1976 to test, among other things, if recession was still continuing. At most stations the recession had slowed and some accretion had isolated the formerly receding dune face

from continued wave erosion. The net erosion measured over the three years since the water levels peaked had caused the shore to recede to a position in good agreement with that which had been predicted in CERC TR 76-1 as necessary to bring the profile back in equilibrium. Erosive recession now accounted for 80% of the total shore retreat. A presentation on the impact of coastal subsidence was made at the ASCE Sediments Symposium (November 1977) based on the 1967 to 1975 profile measurements together with data on changes in historic shoreline position elsewhere around Lake Michigan. ("Implications of Submergence for Coastal Engineers," E.B. Hands).

In 1978 two CERC reprints based on this work unit were distributed (reprints 78-7 and 78-11). A report was prepared summarizing all shoreline changes from 1967 to 1976 and recommending a simple procedure for estimating future shore retreat under similar situations.

In 1979 the aformentioned report received CERC, NCD, and non-Corps review; and was revised and edited for CERC publication. A final report on this work unit was prepared summarizing not just nearshore but offshore bathymetric changes. Offshore desposition balanced nearshore erosion. The effects of the two processes was to shift the entire active profile inland and upward. The outer depth of profile adjustment was related to local wave climate. Geographic variations in the depth of adjustment were calculated using WES hindcast wave statistics. The final report concludes with a method for predicting the ultimate profile adjustment to any change in mean lake level and for all sandy reaches on the U.S. side of the Great Lakes.

BEACH FILL SEDIMENT CRITERIA

1. Guidelines for the Design of Beach Fills. Guidance for fill specification, prediction of fill performance, borrow source and beach sampling, and granulometric description of sediments are provided by (1) CERC TM 60 "Techniques in Evaluating Suitability of Borrow Material for Beach Nourishment" by James, (2) CERC TP 77-6 "Review of Design Elements for Beachfill Evaluation" by Hobson and, (3) CERC CETA 79-7 "Meeting and Use of Phi Grade Scale" by Hobson.

2. Monitoring Beach Fill Performance. The first field monitoring study to test proposed beachfill models was completed at Imperial Beach, CA, and analysis of those data is nearing completion. Monitoring of the fill project at Surfside/Sunset Beach, CA was begun and a third monitoring site will be selected soon. These long-term projects will provide data for field validation and modification, if necessary, of the Renourishment and Fill Factor models presented in the Shore Protection Manual.

3. Evaluation of Potential Nearshore Borrow Sources. Offshore sand bodies may become a important future source for beach fill sediment. Ebb tidal delta complexes are commonly found along the East Coast and one

such delta at New River, NC, was core sampled and surveyed to generally assess its fill potential. Results from this study and from additional studies to be carried out at other "typical" sand bodies will provide a basis for generally evaluating the fill potential of these kinds of sand resources.

4. Handling Loss Experiments. Three experiments were conducted in North Carolina and New York to evaluate modifications to sediment texture caused by dredging and handling operations. Results from these experiments reported by R.D. Hobson at three engineering conference were that winnowing losses generally improved the predicted performance of dredged sediments as beach fill, and that a mathematical model shows promise which estimates potential handling losses by comparing textural attributes of sedimentary materials.

5. Other Ongoing Studies. Core sampling studies across the active profile are providing the depth component of beach sediment textural variability for use in improving beach sampling guidelines. Also, the analysis of sediments core-sampled from a sand trap feature at Channel Islands, CA, will provide data to estimate the winnowing function of the renourishment beach fill model, to document the textural filling history of the sand trap, and will serve as a basis for evaluating the relative merits of core sampling versus surface sampling of nearshore sediments.

COASTAL SEDIMENTS. Analyses and intepretation of seismic records and sediment cores from the Atlantic Coast, Gulf Coast and Great Lakes continued through 1979. In addition 300 trackline miles of seismic reflection and side-scan sonar data were collected off the coast of southern California from Oceanside Harbor to the Mexico border. Data is now being analyzed for the purpose of selecting core sites for cores to be collected in the summer of 1980.

1. Reports published during the report period together with major conclusions and applications follow:

a. Meisburger, E.P., "Reconnaissance Geology of the Inner Continental Shelf, Cape Fear Region, North Carolina", T.P. 79-3, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Ft. Belvoir, Va., Sept. 1979. This report contains data on the surficial and shallow subsurface sediments and rocks which are applicable to the planning, design and construction of engineering works on the inner shelf and to studies of sediments sources and movement in the coastal and inner shelf zones.

b. Meisburger, E.P., Williams, S.J. and Prins, D.A., "Sand Resources of Southern Lake Michigan", M.P. 79-3, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, VA, July 1979. This report contains information concerning the general location and configuration of sand deposits off the eastern shore of Lake Michigan and their suitability for use in beach restoration projects. It can be utilized to determine the location and general character of sand deposits for planning beach restoration projects.

c. Williams, S.J., Prins, D.A. and Meisburger, E.P., "Sediment Distribution, Sand Resources and Geologic Character of the Inner Continental Shelf off Galveston County, Texas", M.P. 79-4, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, Va., July 1979. This report contains data on the location and general character of sand deposits on the inner shelf and their suitability for use in restoration and nourishment of local beaches. In addition information is given on the shallow stratigraphic framework of the inner shelf and the character of surficial and subsurface geologic units. The study can be used for the planning, design and construction of beach restoration projects and the development of engineering works in or affecting inner shelf waters.

d. Field, Michael, E., "Sediments, Shallow Subbottom Structure, and Sand Resources of the Inner Continental Shelf, Central Delmarva Peninsula", T.P. 79-2, U.S. Army Corps of Engineers, Coastal Engineer Research Center, Fort Belvoir, Va., June 1979. This report contains information on the shallow geologic framework of the inner shelf and the location and general character of sand deposits usable for beach restoration and nourishment on the adjacent coast. It is applicable to planning and design of beach restoration projects and engineering works on the inner shelf.

e. William, S.J., "Geologic Effects of Ocean Dumping on the New York Bight Inner Shelf", Reprint 79-1, from Palmer, H.D. and Gross, M.G. ed. "Ocean Dumping and Marine Pollution," Dowden, Hutchinson and Ross, Inc., Stroudsburg, Penn., 1979.

f. Field, M.E., Meisburger, E.P., Stanley, E.A. and William, S.J., "Upper Quaternary Peat Deposits on the Atlantic Inner Shelf of the United States", Reprint 79-7, from Bulletin of the Geological Society of America, Vol.90, pp. 618-628, July, 1979.

2. The following reports are in draft form and being reviewed for publication:

a. Sand Resources and Regional Geology off the South Shore of Lake Erie - Conneaut, Ohio to Erie, Pennsylvania.

b. Sand Resources off the South Shore of Lake Erie, Conneaut, Ohio to Toledo, Ohio.

c. Regional Geology of the Lake Floor of Lake Erie from Conneaut, Ohio to Toledo, Ohio.

d. Data Collection Methods for Sand Inventory Type Surveys.

e. Sand Resources of the Cape May Region, New Jersey.

3. The following in-house reports were in work prior to the end of 1979:

a. Sand Resources of the Egg Harbor - Barnegat Area, New Jersey.

b. Sand Resources and Regional Geology of Long Island Sound.

4. The following papers completed in 1979 have been accepted for publication by journals and will be published in 1980:

a. Meisburger, E.P., "A Cretaceous - Tertiary Depositional Sequence in the Submerged Coastal Plain off North Carolina", Southeastern Geology, in press.

b. Meisburger, E.P., Williams, S.J., and Prins, D.A., "An Apparatus for Cutting Core Liners", Journal of Sedimentary Petrology, in press.

STORM EROSION STUDIES. The purpose of this study is to develop methods for predicting storm-induced beach changes. During the first phase of the study (to be completed in FY 80), measured beach changes will be empirically related to storm parameters. Available data include storm change surveys conducted by this study between November 1975 and March 1978 and similar data collected under CERC's Beach Profiling Program between 1962 and 1977. Attempts were made to isolate storm effects by surveying just before and just after major storms.

Some of the best data obtained were collected during the winter of 1977-1978 when three major northest storms occured. Data are collected at three locations: Long Beach Island and Ludlam Island, New Jersey, and Bodie Island, North Carolina (near CERC's Field Research Facility).

Dramatic changes occured during these storms with frequent lowland flooding and extensive dune erosion. A paper discussing the best monitored storm, which occured 19 December 1977, was published in the January 1979 issue of Shore and Beach.

During the second phase of the study, to begin in FY 80, a numerical model of nearshore sand movement will be developed, calibrated, and verified using data collected at CERC's FRF. This is a major effort aimed at understanding and predicting the physical processes which caused storm erosion.

BEACH PROFILE STUDIES. The objectives of these studies are to observe the response of beaches to waves and tides of specific intensity and duration and to develop predictive techniques for estimating seasonal and storm-induced beach changes.

During the 1979 calendar year emphasis continued on the preparation of locality reports summarizing data collected since 1962.

The report "Beach Changes at Westhampton Beach, New York, 1962-73" by A.E. DeWall was published as CERC MR 79-5. This report documents the temporal and spatial changes along 20 profile lines at Westhampton Beach. These data show that shoreline erosion rates of 2 to 3 meters per

year within and updrift of a large groin field were reversed after groin construction, while shoreline erosion immediately downdrift of the groin field increased. Profile lines updrift of the groin field accreted at a rate of 1 meter per year, as measured at the MSL shoreline. Profile lines with the groin field accreted at a rate of 3 meters per year, while a profile line downdrift eroded at a rate of 28 meters per year.

A final draft report "Beach and Inlet Changes at Ludlam Beach, New Jersey," by C.H. Everts, A.E. DeWall, and M.T. Czerniak, was submitted for CERC publication. Survey data collected along 20 profile lines indicate a net shoreline erosion rate of 1.6 meters per year.

A final draft report "Beach Changes at Atlantic City, New Jersey, 1962-1973," by D.P. McCann was submitted for CERC publication. This report documents profile changes along the northeastern half of Absecon Island and includes the effects of two beach nourishment projects. The net shoreline change along 7 profile lines was an accretion of 0.73 meters per year. Beach fill placed on the northeastern end of the island effectively nourished downdrift beaches for up to 5 years.

A final draft report "Effect of Structures and Lake Level of Bluff and Shore Erosion in Berrien County, Michigan," by W.A. Birkemeier was submitted for CERC publication. This report documents bluff recession rates averaging 3.8 meters per year and shoreline erosion rates averaging 3.1 meters per year along the eastern shore of Lake Michigan between 1970 and 1974.

A final draft report "Beach Profile Analysis System" by M.V. Fleming and A.E. DeWall documents a package of computer programs for editing, analyzing and displaying beach profile data.

In a cooperative study with the Navy Civil Engineering Laboratory, an inventory of available repetitive nearshore profile surveys was made to determine and ultimately predict, the magnitude and location of maximum sandlevel fluctuation that occurs over less than a 2-year interval. A total of 33 data sets (1,049 profiles) representing eight coastal localities was used in the analysis. The zone of maximum sand level fluctuation was found to extend from the berm to a median depth that is approximated by the annual extreme wave height (conditions exceeded for 12 hours per year). At the most exposed of the sites - Duck, North Carolina - a maximum sand level change of 4.0 meters was observed 90 meters seaward of the average shoreline position.

LIMITING WATER DEPTH TO SAND BEACH EROSION BY WAVES. A review of available laboratory measurements has resulted in a paper by Robert Hallermeire, "Criteria for Sand Motion Initiation by Water Waves," presently being considered for ASCE publication. The new calculation procedure for predicting sand motion corrects and simplifies the Shields criterion from steady flow in certain respects. Further research still to be reported, has found that the calculated maximum water depth for

sand motion is directly related to a certain seaward limit of profile modification in the available data base of laboratory tests on profile development towards equilibrium.

WAVE-SEDIMENT INTERACTION STUDIES IN A WATER TUNNEL. For a CERC-sponsored study, Karl Lofquist of the National Bureau of Standards has developed an apparatus for measuring wave energy loss due to natural sand beds. The sinusoidal-flow water tunnel has been partitioned into two channels, one with smooth rigid walls and the other with a horizontal sand bed; measurements of differential pressure between the two channels are analyzed to determine the stree coefficient due to the sand bed through the flow cycle. Lofquist will present first results from the ongoing experimental program in March 1980, at the 17th International Conference in Coastal Engineering in Sydney, Australia.

LONGSHORE TRANSPORT. A report is being written summarizing fifteen experiments relating wave conditions to longshore transport rate performed in the Shore Processes Test Basin, at generator angles of 0, 10, 20, and 30 degrees. Measurements include hourly values of wave breaker angle, wave height, and longshore current, and four-hourly values of transport rate. The data show considerable variability in all measured quantities that does not appear to have been reported in previous tests, probably because data were not previously measured so systematically. Initial results are similar to past laboratory tests.

SUSPENDED SEDIMENT - COMPARISON OF CONCENTRATION MEASUREMENTS OBTAINED WITH THREE FIELD-PROVEN METHODS. Experiments were conducted in the Large Wave Tank at CERC during September 1979 to permit comparison of suspended sediment concentrations measured with 3 devices: an in situ bulk sampler, developed by Timothy Kana at the University of South Carolina; a 3mHz acoustic sensor, developed by John Proni at the Atlantic Oceanographical and Meterological laboratories, NOAA; and a pump sampler, similar to that used in the field by John Fairchild of CERC. The tests had unbroken waves up to 1.5-meter high in 4 meter water depth over fine and medium quartz sand beds. A report being written will compare the ratios of sediment concentration at several elevations determined using the three devices.

LITTORAL TRANSPORT TESTING PROCEDURES. The purpose of this work unit is to improve the understanding and operation of coastal engineering laboratory experiments and models.

During 1979 preliminary work on a manual for the design and operation of movable coastal engineering laboratory experiments was stated.

The Hydrologic Engineering Center

Work at the Hydrologic Engineering Center (HEC) continued to focus on improvements to the mathematical model HEC-6, "Scour and Deposition in Rivers and Reservoirs." The two major accomplishments were:

1. Development of the capability to simulate gravel mining operation. The program was modified to recognize removal of user specified volumes of material from the stream bed. The volumes are specified as rates of removal at given locations for given durations. This volumetric change is included with the calculated changes due to material entering the reach from upstream, and changes in transport capacity and bed material gradation to calculate net changes in transport rate, bed elevation, and bed material gradation.

2. A graphics display package was developed for the program. This package allows the user to view plots of cross-sections, bed profiles, and changes in bed profiles due to scour and depostion, and bed material grain size distributions.

Additional work was done to develop an explicit coupling between a two-dimensional hydrodynamic model (RMA-2) and a two-dimensional sediment transport model (STUDH). The objective of the work was to develop capability for simulating horizontal flow systems, such as occur in some estuaries, in which the scour or deposition of bed sediments modifies the bed topography enough to significantly change the flow field.

CORPS OF ENGINEERS

Waterways Experiment Station

Title of Study:

Definition of Cause of Navigation Channel Shoaling

Conducted by:

U.S. Army Engineer Waterways Experiment Station

Conducted for:

Office, Chief of Engineers

Summary of Accomplishments:

The Definition of Cause of Navigation Channel Shoaling study was a portion of the Improvement of Operations and Maintenance Techniques (IOMT) program during FY 78 and was transferred to the Coastal Engineering program for FY 79. It is funded by the Office, Chief of Engineers.

The objective of this research is to develop a coherent approach for the solution of estuarine navigation channel shoaling problems. This will be accomplished by classifying estuaring shoaling problems and showing how these problems should be solved, detailing step-by-step procedures. Areas requiring further research will be identified. Thus far, the major area of investigation has been literature surveys to isolate available information on the processes causing significant shoaling in navigation channels and ongoing research. A detailed review of pertinent literature on 43 Corps projects was also initiated to determine characteristics and magnitude of dredging at these sites. The following have been defined as subtasks of this study:

1. Evaluation and extent of shoaling problem--nationwide.

2. Survey and evaluation of shoaling volume determination.

3. Hydraulic research on causes of navigation shoaling.

4. Research on prediction of sediment transport, deposition, erosion, and resuspension.

5. Research on techniques to reduce shoaling cost.

6. Data management.

The objective of each of these subtasks has been formulated. Information derived from these subtasks would be used to generate an instructional report which would describe how to approach and solve navigation channel sedimentation problems. Thus, during FY 78 (our first year), we assembled the available information in a manner which will eventually allow it to be applied to reduce maintenance dredging.

During FY 79, a detailed outline of a report was prepared on the six subtasks of the project, field studies were formulated for various Corps projects, areas where research is needed were identified, all literature reviews previously completed were updated, and the planning phase for an instructional report for field offices to use in solving shoaling problems was initiated.

In the future, a report describing the state of knowledge of shoaling processes incorporating information from reports of the six study subtasks will be prepared. A research plan addressing needs identified in the report will be formulated. A report will be published describing how to approach and solve navigation channel sedimentation problems using existing field data. Results will be used to revise EM 1110-2-1607, Tidal Hydraulics, and contribute to a new EM on Channel Design.

Title of Study:

Effect of Depth and Width on Dredging Frequency

Conducted by:

U.S. Army Engineer Waterways Experiment Station

Conducted for:

Office, Chief of Engineers

Summary of Accomplishments:

The Effect of Depth and Width on Dredging Frequency study is a portion of the Improvement of Operations and Maintenance Techniques (IOMT) program, funded by the Office, Chief of Engineers. The objective of the project is to evaluate the effectiveness of advance maintenance dredging in reducing frequency and costs in coastal and inland channel and harbor maintenance and to establish guidelines necessary for governing this practice. Thus far, the major area of investigation has been literature and Corps of Engineers districts surveys and the evaluation of advance maintenance dredging projects. An empirical technique based on historical dredging records has been developed to predict the effect of depth and width on dredging frequency and volume. Specific projects have been evaluated by detailed analysis of hydrographic surveys to determine the effect of advance maintenance on both frequency and amount of dredging required. A trend analysis of a large number of dredging projects using historical dredging data has been conducted to investigate the effect of channel enlargement on shoaling rates.

Accomplishments during Calendar year 1979 include the following:

1. A report (Report 2) describing the methods now being used to predict the effect of deepened conditions on shoaling in a dredged navigation channel and presenting a rational, empirical approach to the problem based on historical dredging and shoaling data was in the final stages of publication.

2. Evaluation of historical dredging data for specific sites in the Galveston, Charleston, Portland, and Seattle Districts has been conducted. Preparation of a draft report was underway.

3. A study to attempt to classify several project according to how they have behave historically with deepening is underway.

Future work will include continued evaluation of existing advance maintenance dredging projects. The final objective of the study is to publish a series of technical reports which (1) describe current advance maintenance criteria and identify previous and current projects; (2)

describe an empirical technique, based on historical dredging records, to predict the effect of depth and width on dredging frequency and volume; (3) evaluated the shoaling results from existing advance maintenance projects; and (4) classify Corps' dredging projects with regard to advance maintenance effectiveness.

Title of Study:

Offshore Dredging Systems

Conducted by:

U.S. Army Engineer Waterways Experiment Station

Conducted for:

Office, Chief of Engineers

Summary of Accomplishments:

The Offshore Dredging Systems project is a portion of the Improvement of Operations and Maintenance Techniques (IOMT) program, funded by the Office, Chief of Engineers. The objective of the project is to develop new techniques, procedures, and equipment that will open new supply sources of beach nourishment materials and permit economic exploitation of these resources with a minimum disturbance of ecosystems.

Accomplishments during Calendar Year 1979 include development of criteria for the selection and engineering development of nourishment systems suitable for the example projects defined under this work unit.

Future efforts will include the initiation of contracts to perform nourishment system engineering development.

Title of Study:

Eductor Systems for Sandtrap Bypassing

Conducted by:

U.S. Army Engineer Waterways Experiment Station

Conducted for:

Office, Chief of Engineers

Summary of Accomplishments:

The purpose of this study is to develop effective systems for bypassing sand at tidal inlets and other obstructions to littoral transport, including dredged channels, jetties with and without weir sections and deposition basins, and breakwaters. Laboratory and field tests were required for development and evaluation of equipment and operating techniques.

A short series of laboratory tests was conducted with various fluidizer configurations. These tests were inconclusive and continuation was not considered due to the expiration of project funding.

Report preparation continued during Calendar Year 1979. The instruction manual to assist Corps districts in planning bypassing projects using eductor systems was completed in Calendar Year 1979 and will be published in Calendar Year 1980.

Title of Study:

Section 32 Program, Streambank Erosion Control (The Streambank Erosion Control and Demonstration Act of 1974-Public Law 93-251, Section 32, as amended by Public Law 94-587, Section 155 and 161).

Conducted by:

U.S. Army Engineer Waterways Experiment Station

Conducted for:

Office, Chief of Engineers

Summary of Accomplishments:

The legislatively specified objectives of the "Section 32 Program" consist of (1) an evaluation of the extent of streambank erosion on navigable rivers and their tributaries; (2) development of new methods and techniques for bank protection, reseach on soil stability, and identification of the causes of erosion; (3) a report to the Congress on the results of such studies and recommendations of the Secretary of the Army on means for the prevention and correction of streambank erosion; and (4) demonstration projects, including bank protection works.

Three flumes are being used to conduct channel flow tests, wave tests and innovative protection tests. Model tests on several streambank protection types have been continued and additional results published in a fourth brief research report. The tenth field inspection of existing bank protection was made and results of the sixth were published and distribution to OCE, Division, and Districts. During CY 79 construction of a 1:20-scale tow and channel for testing the effects of navigation on bank protection was completed. Tests were made to evaluate the effects of rapid drawdown on various protection techniques. Demonstrative and comparative testing of several protection techniques including a concept used in Australia were conducted in the alluvial channel flow model flume.

Significant results obtained in shear stress tests indicated high sensitivity to several factors. Analyses and reporting of geologic and geomorphic investigations of specific sites gave emphasis to the need for such studies in designing effective bank protection. Results of tests on panels, membranes, and spray-on materials were published for field use and several specific schemes were installed on a streambank at WES.

Work in Progress:

Hydraulic research will be continued to evaluate the effectiveness of various streambank protection methods and materials to withstand wave attack, flow, rapid drawdown, and navigation effects. Field inspection and monitoring of existing and Section 32 Program--constructed demonstration sites of streambank protection will be continued and reported.

Work will continue on developing a procedure for streambank stability analysis which includes laboratory measurements of erosion rate and strength properties of undisturbed soils. A laboratory test flume will be completed and calibrated. Analysis of waterborne geophysical data will be concluded. Draft reports will be prepared on waterborne geophysical applications, results of Yazoo Basin studies, and a summary of findings. Test items installed on a creek at WES will be monitored. Seven test items will be installed and evaluated on the Big Black River. Physical testing and evaluation of experimental items used on streambank erosion test sites will be conducted in the laboratory.

Title of Study:

Predictive Models of Sediment Movement

Conducted by:

U.S. Army Engineer Waterways Experiment Station

Conducted for:

Office, Chief of Engineers

Summary of Accomplishments:

Under the research project, Improvement of Operational and Maintenance Techniques, two major advances were made in numerical sediment transport modeling. The HEC-6 computer code was enhanced to automatically attenuate the flood wave, to automatically modify cross sections by simulating overbank fills and/or in channel dike fields, and by printing out additional parameters. Development of a new computer code was initiated. It will calculate unsteady, sediment transport in a two-dimensional flow field. The horizontal plane is being treated first; later the vertical plane will be included.

Experimental work on the deposition of clay was initiated in the 335 foot long flume. Commercial Kaolinite will be studied, first, in this nonrecirculating facility.

Work was initiated on revising the CE manual on sedimentation. This project is designed for a five-year effort during which CE expertise in sedimentation will be collected and documented along with work of other government agencies, universities, and the private sector.

Title of Study:

Characterization of the Suspended-Sediment Regime and Bed-Material Gradation of the Mississippi River Basin.

Conducted by:

U.S. Army Engineer District, New Orleans

Summary of Accomplishments:

A report on this effort is scheduled for publication in late FY 80. Appendixes B through F of this report contain characterizations of the suspended-sediment regime and bed-material gradations of the following regions: Missouri, Upper Mississippi, Ohio, Tennessee, Arkansas-White-Red, and Lower Mississippi. The introduction to each appendix includes narrative material describing the physiography, geology, climatology, hydrology, vegetation, exploration and settlement, and land-use development of the region. Sections are also included that discuss the origin of sediments in each region, cultural influences on the suspended-sediment and bed-material loads, the history of suspended-sediment and bed-material sample collection, and long-term trends in the suspended-sediment regime and bed-material gradation.

The effort is part of Study Area IV, Sedimentation, of the Lower Mississippi Valley Division P-1 Potomology Program.

CORPS OF ENGINEERS

Federal Inter-Agency Sedimentation Project
St. Anthony Falls Hydraulic Laboratory
University of Minnesota
Minneapolis, Minnesota

Annual project report for Calendar Year 1978 is described below.

Laboratory Research, Work is Progress - Testing full size bedload samplers in the modified large indoor flume at the St. Anthony Falls Hydraulic Laboratory was continued through 1979. In cooperation with David Hubbell and Herbert Stevens the group has now tested six different styles of Helley-Smith bedload samplers, through a range of flow depths and velocities and with both 6.5mm and 2mm bed material.

The D-77 sediment sampler discussed last year was modified in accordance with results of field tests. To reduce drag, stock was removed from the lower front region, then the sampler was rebalanced by removing stock from the downstream end of the casting. The new sampler will be shipped complete with a permanent container, a lifting tool, a special wrench, and operating instructions.

The DH-75Q sediment sampler was redesigned to accomodate a greater variety of bottles and to improve stability. The changes involve a redesigned stopper and moving the wading rod attachment closer to the nozzle of the sampler. The DH-75 samplers are lightweight units desigred for use in sub-freezing temperatures.

Production of the RP-77, low-power peristaltic pump designed by the project, was started this year. The pump was primarily designed for the PS-69 and CS-77 pumping samplers, but will be used on other development projects. In its present form the pump may be powered from a 36-volt battery but a 12-volt model will be available soon.

At the request of participating agencies, the group built, tested, and is improving a hand-operated clam-shell bed-material sampler suggested by James Culbertson.

Plans for the coming year include development of a bag-type sampler and a density cell for automatic measurement of sediment concentration.

Equipment Supply - Supply, repair, and calibration of a variety of sediment samplers and analyzers was continued. A catalog and detailed equipment manuals are available upon request. During 1979, sales and inventory were as follows:

	Instrument	Sold since 1940	Sold during 1979	Inventory Dec. 1979
DH-48	Hand sampler	2910	353	122
DH-75P	Hand sampler	99	7	0
DH-75Q	Hand sampler	108	19	16
DH-59	Hand-line sediment sampler	1131	139	30
DH-76	Hand-line sediment sampler	235	130	0
D-49	Depth-integrating sampler	900	0	0
D-74	Depth-integrating sampler	275	77	29
D-74AL	Depth-integrating sampler	106	5	23
P-61	Point-integrating sampler	218	13	2
P-63	Point-integrating sampler	39	2	5
P-72	Point-integrating sampler	30	6	10
BMH-53	Bed-material hand sampler	325	42	17
BMH-60	Bed-material hand sampler	235	37	8
BM-54	Bed-material sampler	179	6	22
SA	Particle-size analyzer	85	2	0
PS-67	Pumping sampler	42	0	0
PS-69	Pumping sampler	320	22	24
CS-77	Chickasha pumping sampler	35	19	4
SS-72	Sample splitter	33	1	3
BP-76	Power supply	112	23	12

FEDERAL HIGHWAY ADMINISTRATION

The Federal Highway Administration (FHWA) concentrated its activities on five major areas: control of culvert outlet erosion, control of local scour around bridge piers, control of stream instability at highway crossings, control of sediment produced by highway construction, and control of highway water quality. Major efforts were carried out by staff and contract research, and by the various studies in the Highway Planning and Research Program (HP&R) and in the National Cooperative Highway Research Program (NCHRP).

Control of Culvert Outlet Erosion - The objectives of these studies are to investigate the various flow conditions and the forces involved at the outlet area, the material necessary to resist the erosion, and the special designs of energy dissipators and stilling basins to control the erosion.

A. Sponsored by FHWA, the U.S. Geological Survey Hydroscience Center at Bay St. Louis, Mississippi, conducted the energy dissipator study titled, "Investigation of Rigid Boundry Basins in Flared Outlets from Circular Culverts." This study yielded basin drag coefficients for serrated roughness elements in flared transition sections at culvert outlets. FHWA will incorporate the research results into its Hydraulic Engineering Circular No. 14.

B. The University of Akron completed the study, sponsored under the HP&R program by the Ohio Department of Transportation (ODOT), on "Field and Laboratory Evaluation of Energy Dissipators for Culvert and Storm Drain Outlets." This study is directed toward two dissipator concepts that can be precast for culvert installations that do not require field concrete work. One is the modular basin which can be precast in components and assembled in the field by a maintenance crew; the other is the concrete pipe roughness ring which can also be precast and bolted into regular culvert sections. Another important aspect for this study is the evaluation of the ODOT procedures for providing channel protection for culvert outlets that do not require dissipators. The evaluation focuses on the so-called "Cincinnati Method" for designing rip-rap protection and will involve some 400 field sites. Draft final reports for these aspects of the study were submitted in 1979. The final reports will be published in 1980.

C. Colorado State University is conducting a study, sponsored by FHWA, to investigate scour at culvert outlets in various bed materials. The study includes four bed materials; a uniform sand, a uniform gravel, a sand-gravel mixture, and a sand-silt-clay mixture. The study includes tests with various culvert diameters ranging from 4 to 15 inches to test the adequacy of modeling assumptions in developing design guidelines for much larger field installations. Most of the original tests were completed in 1979. The study will be modified for additional tests to determine the effects of tailwater and to strengthen the relationship for part full culvert flow.

Control of Local Scour Around Bridge Piers - The objectives of these studies are to investigate the mechanics of this dynamic process, the methods of accurate prediction of its magnitude, the adequate means of controlling its damaging effect to bridge piers, and the stream-related hazards to highways and bridges.

A. The contract study on the Study of Scour Around Bridge Piers was completed by West Virginia University. The objectives of this study were to collect parameters which influence scour depth around bridge piers on rivers with noncohesive soils, and to test existing methods and/or to provide an improved method for predicting the scour depth. The researchers experimented with instrumentation and monitored three bridge sites in the mid-continent--Shreveport (Louisiana), Homochitto (Mississippi), and Richmond (Texas)--for approximately 5 years. The portable, truck-mounted scour monitor was found very helpful as backup to the fixed monitors which had been used previously. The final report titled "Scour Around Bridge Piers," FHWA-RD-79-103, is being printed; it will be available through NTIS.

B. The University of Iowa completed a FHWA study on Scour Around Bridge Piers at High Froude Numbers. This study is a selective investigation to determine trends of scour under flow conditions that exceed the conditions of most of the previous tests. The investigation included scour in three sizes of cohesionless bed materials at Froude Numbers that range from 0.5 to 1.5 and at depth to pier diameter ratios that range from 0.25 to 1.0. The final report titled "Scour Around Circular Bridge Piers at High Froude Numbers," FHWA-RD-79-104, was published. It is available through NTIS.

C. Tye Engineering Inc. started a study, sponsored by FHWA, to deduce scour data from the Hydrologic Survey team records in Louisiana. The Hydrologic Survey team in Louisiana routinely monitors stream bed cross sections at approximately 90 bridge sites. Their records provide a valuable source of field data for scour around bridge piers. The study was completed. The final report titled "Scour Around Bridge Piers - Field Data from Louisiana Files," FHWA-RD-79-105, is being printed; it will be available through NTIS.

D. The USGS continued the FHWA study on "Roughness Coefficients in Vegetated Flood Plains." The study took advantage of data collected by completed HP&R studies in the Gulf Coast States of Louisiana, Mississippi, and Alabama. Detailed data will be used to field validate methods of roughness coefficient estimation which have been developed theoretically and only laboratory tested. The study will strive to attain quantitative methods that are relatively simple to apply and result in accurate estimates; at a minimum it will provide comparative methods that will make present estimates more consistent.

Control of Stream Instability at Highway Crossings - The objectives of these studies are to evaluate the significance of natural stream adjustments on the structural integrity of highway crossings, to provide techniques for resolving the impact of these changes, and to provide guidelines for measures to mitigate stream instability at highway stream crossings.

A. The U.S. Geological Survey completed a research study for FHWA titled, "Countermeasures for Hydraulic Problems at Bridges." Guidelines were developed to assist design, construction, and maintenance engineers in selecting measures that can be used to reduce bridge losses attributable to scour and bank erosion. These guidelines are based on case histories of 224 bridge sites in the United States and Canada, on interviews with bridge engineers in 34 States, and on a survey of published work on countermeasures. Each case history, published in volume two of the final report, includes data on bridge, geomorphic, and flow factors; a chronological account of relevant events at the site; and an evaluation of hydraulic problems and countermeasures. Performance ratings are given for rigid and flexible pavement, flow control measures (spurs, dikes, spur dikes, jack fields, retards and check dams), and measures incorporated into the bridge design. Streams are classified for engineering purposes into five major types, each having characteristics of lateral stability and behavior that need to be taken into account in the design of bridges and countermeasures. The final reports titled "Countermeasures for Hydraulic Problems at Bridges, Vol. 1 Analysis and Assessment, and Vol. 2 Case Histories of Sites 1-283," FHWA-RD-78-162 and 163, were published. They are available through NTIS: PB 297132/AS and PB 297685/AS. In addition to the two volume final report, a slide-tape presentation which depicts the major aspects of the research is available from FHWA.

The countermeasures project brought to light that stream alteration work for highway crossings has been curtailed in many regions and prohibited in a few. This is unfortunate because well conceived and constructed channel alterations of limited extent are often both environmentally and economically advantageous over other more extensive countermeasures. A modification to the original study was made to document numerous channel changes done by highway agencies to show why they were successful or caused problems. This study will result in a separate report that can aid highway engineers in utilizing their experience in stream engineering to provide stream crossings that are environmentally sound and hydraulically efficient.

B. A FHWA contract titled "Methods for Assessment of Stream-Related Hazards to Highways and Bridges" was completed by Colorado State University. The study resulted in a systematic evaluation approach for determination of hydraulical conditions at a stream crossing, giving consideration to the entire stream environment including its geology, geomorphology and land use on the flood plain. By using this approach, the hydraulic or bridge engineer is less likely to overlook a hydraulic problem and complete his site evaluation with greater ease and confidence. The research report will be published in 1980.

C. Tye Engineering of Fairfax, Virginia, completed an FHWA study titled "Debris Problems in the River Environment." This study shows that waterborne debris accumulation is a recurring problem in many regions of the United States, and that the potential for debris hazards can be reduced by using the proper crossing design parameters. The study provides a survey of highway related debris problems and describes the measures presently taken by highway agencies to cope with debris hazards. The research report titled "Debris Problmes in the River Environment," FHWA-RD-79-62, was published and is available through NTIS.

D. Sutron Corporation of Rosslyn, Virginia, continued the FHWA research study on "Stream Channel Degradation and Aggradation: Causes and Consequences to Bridges." The severity of degradation and aggradation nationwide and the factors associated with these processes were documented in an interim report which will be published in 1980. The final report will provide the best available methods for determining the extent of the stream grade change given the onsite and watershed conditions.

Control of Sediment Produced by Highway Construction - This problem consists of two stages: during construction and just after construction.

A. It is important that during the construction of highways, the sediment produced by roadway excavation and embankment construction must be controlled so it will not pollute the natural streams. Sponsored by the Pennsylvania Department of Transportation, the Pennsylvania State University and the U.S. Geological Survey completed the cooperative research study titled "Prediction of Sediment Flow from Proposed Highway Construction Sites." This study capitalizes on the extensive work of others by utilizing modified Universal Soils Loss Equation which has incorporated a factor for surface runoff. The study produced a computer program that can be accessed from any of the State's district offices and allows the engineer to try numerous sediment control methods mathematically before attempting to use any measures in the field. The final report was being prepared.

B. The U.S. Geological Survey Hawaii District, through the sponsorship of Hawaii Department of Transportation, continued its study on Rainfall-Runoff and Rainfall-Sedimentation Discharge Relations in Hawaiian-type Watersheds. The objective of this study is to determine the effects of highway construction on the rainfall-runoff and rainfall-sedimentation discharge relations of a watershed in Moanalua Valley, Oahu, considering all significant basin characteristics. The results obtained will be used as a basis for deriving similar relations for other basins in Hawaii. Data collection and analysis were continued in 1979. The draft final report was being prepared.

C. The Utah State University, under the National Cooperative Highway Research Program administered by the Transportation Research Board, completed a 2-year study on Erosion Control During Highway Construction in CY 1977. The objective is to develop more effective techniques and materials to control erosion during highway construction activities. It consists of three major parts: to assess the effectiveness of methods presently being used throughout the United States, to develop a manual of recommended techniques and design criteria for the control of erosion, and to identify research needs. An experimental research study was also conducted in 1978 in the Utah Water Research Laboratory using a rainfall simulator and test bed to determine the validity of the Wischmeier's water-caused erosion equation on steep slopes, and to test the effectiveness of selected erosion control products. The final report consists of three volumes: Volume I - a summary of the research, Volume II - an erosion control manual, and Volume III - bibliography. Volumes I and II were revised and will be published in 1980.

D. Another NCHRP study which synthesized existing information on "Design of Sedimentation Basins" was completed by W. O. Ree of Stillwater, Oklahoma. The final report will be published soon.

E. The USGS, district office at Harrisburg, Pennsylvania, completed a research project titled, "Field Evaluation of Erosion Control Measures used in Highway Construction" under the HP&R program. The object of this study is to evaluate different types of erosion and sediment control measures to determine the ability of each measure to prohibit sediment from entering a stream system, and to determine if sediment concentrations and discharges return to their preconstruction levels once the construction has ended. The study area consists of five basins. Sediment ponds built on and off streams, small rock dams, seeding, mulching, and erosion control measures used before the issuance of erosion-control guidelines were compared with the use of sediment and discharge measurements. Sediment load and turbidity were shown to be much higher in the drainage basin protected by the onstream ponds than that protected by offstream ponds. The final report will be published soon.

F. The Virginia Highway Research Council began work on "Efficiency of Erosion Control Practices" for the Virginia Department of Highways and Transportation (VDHT) under the HP&R program. Current VDHT erosion and sediment control practices will be evaluated. Optimum erosion and sediment control will be determined using the highest practical design and construction procedures and maintenance of control technology.

G. A case study under the HP&R program was begun by South Carolina Department of Highways to determine the "Effects of Highway Construction on Stream Turbidity and Suspended Solids." Turbidity and suspended solids will be monitored upstream and downstream of a highway project before, during, and after construction. These data will be evaluated with construction schedules and practices.

H. It is equally important that upon completion of highway construction, immediate and adequate protection against erosion be provided for slopes and other roadside areas affected by grading. In most regions of the country this has been accomplished with the establishment of proper management of vegetative cover. In 1979, 17 States were conducting studies designed to improve vegetation establishment techniques and subsequent management practices. The participating States were Alaska, Alabama, California, Georgia, Hawaii, Indiana, Louisiana, Maryland, Massachusetts, Minnesota, Montana, New Jersey, Rhode Island, Texas, Washington, West Virginia, and Wyoming.

Control of Highway Water Quality - The objectives of these studies are to monitor the highway water pollution parameters and to devise cost effective means to control them.

A. To help States to measure their local highway water pollution parameters, FHWA updated a monitoring manual which provides simplified field procedures for the water quality tests and hydraulic measurements. Besides total suspended solids (non-filterable residue), the tests cover turbidity, pH, temperature, electrical conductance, dissolved oxygen, settleable matter, and dissolved solids (filterable residue). Rainfall and streamflow measurements are also included.

> Bellinger, W. Y., and Bergendahl, B. S., "Highway Water Monitoring Manual," report FHWA-DP-43-2, Federal Highway Administration, Region 15, Arlington, Virginia, January 1979.

B. For the development of erosion and sediment control plans in the location, design, and construction of a highway, FHWA published a manual. It is a compilation of the erosion and sediment control measures which have been successfully used by Region 15 of FHWA. The measures covered include silt fences, brush barriers, diversion channels, sediment traps, check dams, slope drains, and temporary berms. A section on water quality monitoring is also included.

> Richards, D. L., and Middleton, L. M., "Best Management Practices for Erosion and Sediment Control," report FHWA-HD-15-1, Federal Highway Administration, Region 15, Arlington, Virginia, December 1978.

C. The University of Arkansas completed the HP&R study on "The Effects of a Channel Relocation Project on the Ecosystem of Little Sugar Creek, Benton County, Arkansas" for the Arkansas State Highway and Transportation Department. This highway construction associated research evaluated the effects on aquatic populations, water quality, and other plant and animal communities. The final report will be published soon.

D. The California Department of Transportation continued the HP&R study on "Long Range Effects on Aquatic Ecosystems from Adjacent Highway Construction." This study investigates the effects on the aquatic environment from channel alterations resulting from highway construction on perennial streams and evaluates selected mitigation techniques employed to minimize these impacts.

E. The Pensylvania State University, sponsored by the Pennsylvania Department of Transportation, started the HP&R study on "The Impact of Stream Relocation on Fish Populations - Bull Creek." This research will study fish populations, bottom fauna, and water quality in Bull Creek before, during, and after stream relocation for construction of the Allegheny Valley Expressway.

If more information is desired about these research studies, inquiries should be addressed to the sponsoring agencies.

GEOLOGICAL SURVEY

PROJECT TITLE: A Study of Measurement and Analysis of Sediment Loads in Streams

WRD PROJECT NO: NR 39-081

LOCATION: Topical Research

PROJECT CHIEF: Skinner, John V.

HEADQUARTERS OFFICE: Minneapolis MN

PROBLEM: Knowledge of factors governing the movement and deposition of sediment in streams and reservoirs is of major importance to agencies involved in development of water and land resources of the nation. A knowledge of the sediment discharge of streams is essential to the efficient design and operation of projects for the storage and use of streamflow. Movement of sediment also affects aquatic life and plays a role in the transport of certain types of chemical pollutants. Complicity of sediment phenomenon are such that comprehensive investigations are essential to support accurate conclusions.

OBJECTIVE: To seek solutions to problems related to equipment and methods for collecting and analyzing sediment samples, problems investigated are of common concern to two or more federal agencies. The project functions as (1) a center for the development of new sampling equipment for both manual and automatic operation (2) a center for procurement, testing, and calibration of sampling equipment for sale to federal agencies and (3) a focal point for review of new techniques and establishment of standard equipment and methods.

APPROACH: A knowledge of hydraulic requirements for accurate sediment sampling is combined with a knowledge of machine shop techniques, casting techniques, electric circuit theory to design new and improved samplers. Plans and specifications are prepared to allow equipment to be fabricated under contract. Technical reports that explain equipment and operating procedures are prepared and distributed to all interested agencies. New equipment is developed and tested under real and simulated field conditions.

PROGRESS AND RESULTS: Completed checkout of all hydraulic and instrumentation facilities for full scale calibration of bedload samplers.

Six different styles of Helley-Smith bedload samplers were tested with 6.5mm bed material and through a range of flow depths and velocities. A second test with 2mm sand was partially completed. A new depth integrating sampler, termed the D-77, was designed and after field testing final production modifications were completed. Tests verified that calibration of individual D-77 samplers will not be required. To facilitate point sampling of deep rivers, a new valve was designed for bag-type samplers. Established hydraulic design criteria for automatic syringe-type samplers and completed construction of sample conditioner for automatic sensor.

PLANS NEXT YEAR: Continue to support the bedload calibration tests. Complete development of the bag-type sampler, publish report on tests of automatic samplers, and write report on the Autopipette.

COMPLETED REPORTS:

February 1979	Operating Instructions D-77 Suspended Sediment Sampler
March 1979	Instructions for Peristaltic Pump, RP-77

CR097 Estuarine Intertidal Environments

Project Title: Hydrology of Estuarine Intertidal Environments

WRD Project No.: CR74-097

Location: Topical Research

Project Chief: Glenn, Jerry L.

Headquarters Office: Lakewood, Co.

Problem: Estuaries are subject to natural and artificial stresses that combine to threaten their continued utility to man. Many estuaries are filling with sediments from external (rivers and the ocean) and internal (shore erosion and biological production) sources. As a result, navigation often is difficult or impeded, maintenance of navigational channels is costly and continually necessary, and the value of recreational and commercial fisheries is diminishing. Estuarine intertidal and supratidal environments are particularly subject to man-induced stresses which directly alter valuable nursery and feeding grounds for many desirable forms of estuarine life.

Objective: (1) to establish and to evaluate qualitatively and quantitatively the sources of sediments in estuaries, with initial emphasis on the intraestuarine (intertidal and supratidal) source(s); (2) to characterize the nature and composition of sediments in, from, and beneath intraestuarine sources as an aid to understanding erosional, transportational, and depositional phenomena; (3) to document changes in intraestuarine sources as a result of man-induced stresses and to relate the changes to causative factors; (4) to provide data for making more intelligent predictions of the effects of nature and man in estuaries.

Approach: Aerial photographs and hydrographic and topographic data will be combined with field observations and samples in a reconnaissance survey of sedimentologic, geomorphic, and biologic attributes of intraestuarine sources. The stratigraphy of source areas will be investigated to aid in reconstructing the course of events that produced the present environments and in predicting the future course of events. Detailed field studies of modern sediment erosion, transport, and deposition in selected source areas will follow the stratigraphic phase and will be accompanied by laboratory determinations of the nature and composition of surface, subsurface, and suspended sediments.

Progress and Results - 1978: Time and space variations in nutrient and sediment concentrations were determined at proposed transport station cross sections in the Potomac Estuary. Temporal variations

were generally predictable and relatable to tidal changes. Cross sectional (lateral) variations were large at Piney Point, minimal at Quantico, and variable to poorly defined at Alexandria. Longitudinal variations in nutrient concentrations between Alexandria and Quantico reflect input from sources near Alexandria and dilution and exchange reactions during transport.

Progress and Results - 1979: The natural and anthropogenic development of eutrophication and sedimentation problems in the Potomac Estuary has been determined from (1) analyses of core sediments, (2) results from an acoustic subbottom survey, and (3) measurements of estuarine morphology. Sites and rates of sediment deposition have been determined from ^{210}Pb analyses. Major deposition sites (deposition rates from 1 to 5 cm/yr) include the riverine and upper estuarine parts of the main Potomac and the marginal embayments in the riverine part; slow deposition (<0.5 cm/yr) characterizes much of the lower estuarine part of the Potomac and the lower ends of adjacent marginal embayments. There is little evidence of changing deposition rates at most sites during the last 100 years, which suggests that deposition may be due mostly to changing natural conditions. The development of eutrophic conditions has been inferred from analyses of nutrient concentrations of core sediments. Although it appears that some nutrient species began to increase in prehistoric times, the rate of increase accelerated during the last 100 or so years, presumably as a result of increased anthropogenic inputs.

Completed Reports:

Glenn, J.L., 1979, Variations in nutrient and sediment concentrations in the Potomac Estuary: Abstract, Program for the Southeastern Section of the Geological Society of America, 28th Annual Meeting, Volume 11, No.4, p.180.

Glenn, Jerry L., 1979, Temporal and spatial variations in nutrient and sediment concentrations in the Potomac estuary in Seminar on Water Quality in the Tidal Potomac River, December 1978, Bennett, James P. (ed.): U.S. Geological Survey Open-File Report 79-1588, p.12-13.

CR098 Sediment Transport Phenomena

Project Title: Measurement and Prediction of Sediment Transport Phenomena

WRD Project No.: CR74-098

Location: Topical Research

Project Chief: Hubbell, David W.

Headquarters Office: Lakewood, Co.

Problem: In alluvial streams, for every different hydrologic condition, the bed configuration, sediment transport, and hydraulic characteristics mutually change to achieve a quasi-equilibrium. The changes affect the ability of the stream to convey given quantities of water, accommodate navigation, transport and dilute solid and solute wastes, support aquatic biota, and perform similar functions. As yet, no positive means exists for predicting definitely the condition various variables, particularly bed configuration, will achieve for a given set of hydrologic conditions. As a result, optimum utilization and management of a waterway usually cannot be assured and, often, modifications designed to enhance the utility of a waterway are ineffective or have adverse effects.

Objective: To provide information for predicting sedimentation phenomena in alluvial stream so as to facilitate the successful utilization and management of such streams and waterways, particularly information on the formation and alteration of bed forms and on the factors, including bedload and bed-material load transport, that affect bed forms.

Approach: Initially, existing data will be analyzed to relate bed form characteristics and hydraulic and sedimentologic variables, and a bedload sampler will be developed to provide accurate measurements of bedload transport. Later, additional data will be obtained at selected sites by measuring bed form characteristics with acoustic instruments, including side-scan sonar; determining transport rates with bedload samplers; and defining other pertinent variables. Tracer techniques may be applied. Finally, data will be analyzed to define criteria for predicting bed forms and to provide a better understanding of sediment transport. Both sand-bed and gravel-bed streams will be studied.

Results last year: Data from bedload sampler calibration runs made in the calibration facility at St. Anthony Falls Hydraulic Laboratory with 6.5 mm bed material were analyzed to determine the sampling

efficiencies of different versions of the Helley-Smith sampler. Comparisons of the means of sampled and measured rates showed that standard versions of the sampler had efficiencies well over 100 percent and versions with very low nozzle expansions had efficiencies less than 100 percent. This method of comparison to determine sampling efficiency is commonly used, however, it is valid only if the individual samples and the corresponding actual bedload transport rates at the time of sampling are related linearly.

Plans for next year: Previous and newly acquired calibration data will be analyzed in an effort to compute a sampling efficiency for each sampled rate. Such an anlysis will show whether or not the comparison of means is a valid procedure for determining the sampling efficiency of any particular sampler and if the efficiency varies with the transport rate or other factors.

Completed Reports:

Stevens, H.H., Jr., 1979, Computation of total sediment discharge by the modified Einstein procedure on an HP-67 or HP-97 calculator: U.S. Geological Survey Water Resources Division Bulletin, Oct.-Dec. 1978 and Jan.-June 1979, pp.35-41.

CR186 Bedload Samplers

Project Title: Bedload Samplers for Sediment in Streams: Development and Calibration

WRD Project No: CR75-186

Location: Topical Research

Project Chief: Hubbell, David W.

Headquarters Office: Lakewood, Co.

Problem: Virtually all physical processes involving the removal of mineral resources from the earth's surface or from underground disturb the soil mantle, which, in turn, results in changes in surface erosional patterns. Mining resources for energy development very likely will result generally in increased erosion and delivery of sediment to existing stream channels. Much of the sediment will be transported in channels as bedload. Currently, there are no existing samplers that are completely satisfactory for measuring bedload transport. Measurements of this kind are essential for assessing the effects of changes in the occurrence and movement of sediment on channel geometry, water quality, and stream ecology.

Objective: To develop an acceptable sampler(s) for measuring the discharge of sediment particles that range in size from about 2 to 64 millimeters and are transported in streams as bedload, so as to permit the effects of energy development, particularly surface and subsurface mining activities, on streams to be monitored.

Approach: Initially, laboratory facilities capable of prototype testing of a variety of bedload samplers will be designed and constructed. Following this phase, existing promising samplers will be calibrated to define their efficiencies in sampling different particle sizes under various conditions. Then, as necessary, existing samplers will be modified and/or new samplers will be developed and subsequently calibrated and extensively tested. Based on laboratory results, the most satisfactory samplers will be recommended for use.

Results last year: Three runs with different flow conditions were completed in the St. Anthony Falls Hydraulic Laboratory bedload sampler calibration facility using bed material having a median diameter of 6.5 mm. In one of the runs, six different configurations of the Helley-Smith bedload sampler were tested, and in two other later runs data were obtained on the performance of the two standard versions of the Helley-Smith sampler and on the BTMA (Arnhem) sampler and a half-scale

version of the VUV sampler. Hydraulic and sediment transport data associated with each flow condition also was obtained. Preparation for runs with the next bed material involved sieving 400 tons of sand twice to produce material with a mean diameter of 2.1 mm.

Plans for next year: Calibration studies will continue using 2.1 mm bed material. At least four runs will be made with this material to evaluate six versions of the Helley-Smith sampler. Coarser bed material will be prepared for future runs.

CR75-187 Bedload Transport Research

WRD Project No: CR75-187
Project Chief: Emmett, William W.
Headquarters Office: Lakewood, Colorado
Field Location: Topical Research

Problem: Of all processes operating in river channels, and especially of those of practical concern to engineers and others interested in river channel behavior, perhaps the least knowledge is available regarding the hydraulic and mechanics of bedload transport. Before continuing advances in river channel behavior can be made, some understanding of the behavior of bedload sediment must be made.

Objective: (1) Define spatial and temporal variations in bedload transport rate for a single stage of flow; (2) define change in average magnitude of transport rate over a range in hydraulics of flow; (3) define change in average magnitude of transport rate over a range in channel geometry; and (4) analyze the data to evaluate the applicability of available bedload equations, suggest new coefficients for the existing equations, or propose new relations for predicting rates of bedload transport.

Approach: To use the conveyor-belt bedload-transport facility on the East Fork River near Pinedale, Wyoming, as a control to evaluate variability factors in bedload transport and to field calibrate the Helley-Smith bedload sampler; to use the calibrated Helley-Smith sampler in the systematic collection of bedload samples, along with the concurrent measurements of streamflow hydraulics, from a variety of sand- and gravel-bed streams, and, within the laws of general physics, stochastically develop empirical relations of bedload transport and interpret the physical significance of the developed relations.

FY-1978 Progress: Field calibration of the sediment-trapping characteristics of the Helley-Smith bedload sampler have been completed. Continuation of data analysis and interpretation of information gathered at the conveyor-belt bedload-trap facility and at additional sites through the use of the Helley-Smith bedload sampler. Analysis underway to facilitate transfer of information from site-specific field areas to areal application and with application to watershed and channel flow/sediment modeling concepts.

FY-1979 Progress: Initiated at the conveyer-belt bedload-trap research facility a tracer study utilizing fluorescent particles to evaluate (1) residence time of sediment, (2) average speed of particles, (3) depth of bed material involved in transport, (4) dispersion of bed material, (5) short-term channel changes accompanying sediment transport, (6) influence of availability of sediment on transport rate, and other related aspects of sediment transport. Qualitative results are known,

and quantitative information is pending completion of detailed laboratory analysis of collected samples and computer manipulation of data.

FY-1980 Plans: Use image analyzer to determine particle sizes and concentration of fluorescent particles in (1) samples collected describing the stationary environment and (2) samples collected describing the material in transport. Use this information to refine a field procedure for an additional year of data collection as generalized above. Use the Helley-Smith bedload sampler at a variety of rivers to enlarge the data base necessary to extrapolate the specific information of the East Fork River tracer study to a universal application.

Completed Reports:

Emmett, W.W. and Seitz, H.R., 1973 (1974), Suspended and bedload sediment transport in the Snake and Clearwater Rivers in the vicinity of Lewiston, Idaho - March 1972 through June 1973: U.S. Geological Survey Basic-Data Report, 78 p.

_____, 1974, Suspended and bedload sediment transport in the Snake and Clearwater Rivers in the vicinity of Lewiston, Idaho - July 1973 through July 1974: U.S. Geological Survey Basic-Data Report, 76 p.

Emmett, W.W., 1974, Channel aggradation in western United States as indicated by observations at Vigil Network sites: Zeitschrift fur Geomorphologie, Suppl. v.21, p.52-62.

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_____, 1974, Hydrologic environment of the upper Salmon River area, Idaho: Abstract, Transactions American Geophysical Union, v.55, no.2, p.77.

_____, 1975, The channels and waters of the upper Salmon River area, Idaho: U.S. Geological Survey Professional Paper 870-A, 116 p.

Leopold, L.B., and Emmett, W.W., 1976, Bedload measurements, East Fork River, Wyoming: Proceedings, National Academy of Sciences, v.73, no.4, pp.1000-1004.

Emmett, W.W., 1976, Bedload transport in two large, gravel-bed rivers, Idaho and Washington: Proceedings, Third Federal Interagency Sedimentation Conference, pp.4-101 to 4-114.

Druffel, L., Emmett, W.W., Schneider, V.R., and Skinner, J.V., 1976, Laboratory hydraulic calibration of the Helley-Smith bedload sediment sampler: U.S. Geological Survey Open-File Rept. 76-752, 63 p.

Mahoney, H.A., and others, 1976, Data for calibrating unsteady-flow sediment-transport models, East Fork River, Wyoming, 1975: U.S. Geological Survey Open-File Rept. 76-22, 293 p.

Leopold, L.B. and Emmett, W.W., 1977, 1976 Bedload measurements, East Fork River, Wyoming: Proceedings, National Academy of Sciences, v.74, no. 7, pp.2644-2648.

Emmett, W.W. and Leopold, L.B., 1977, A comparison of observed sediment-transport rates with rates computed using existing formulas: In Geomorphology in Arid Regions (D.O. Doehring, Ed.), Proceedings, 8th Annual Geomorphology Symposium, State University of New York, Binghamton NY, Sept. 23-24, 1977, pp.187-188.

Emmett, W.W., 1978, "Overland Flow" In Hillsope Hydrology (M.J. Kirkby, Ed.), John Wiley and Sons, pp.145-176.

Emmett, W.W., Burrows, R.L., and Parks, Bruce, 1978, Sediment transport in the Tanana River in the vicinity of Fairbanks, Alaska, 1977: U.S. Geological Survey Open-File Rept.78-290, 28p.

Emmett, W.W., and Thomas, W.A., 1978, Scour and deposition in Lower Granite Reservoir, Snake and Clearwater Rivers near Lewiston, Idaho, U.S.A.: Journal of Hydraulic Research, v.16, no.,4, pp.327-345.

Emmett, W.W., 1979, A field calibration of the sediment trapping characteristics of the Helley-Smith bedload sampler: U.S. Geological Survey Open-File Rept. 79-411, 96 p.

_____, 1979, Aspects of bedload transport in rivers (abstract): Program with abstracts, 32nd Annual Meeting, Rocky Mountain Section, Geological Society of America, v.11, no.6, p.271.

Burrows, R.L., Parks, Bruce, and Emmett, W.W., 1979, Sediment transport in the Tanana River in the vicinity of Fairbanks, Alaska, 1977-78: U.S. Geological Survey Open-File Rept. 79-1539, 37 p.

Emmett, W.W., 1980, A field calibration of the sediment trapping characteristics of the Helley-Smith bedload sampler: U.S. Geological Survey Professional Paper 1139.

CR102 Sediment Movement in Rivers

Project Title: Sediment Movement and Channel Changes in Rivers

WRD Project No.: CR75-102

Location: Topical Research

Project Chief: Meade, Robert H.

Headquarters Office: Lakewood, Co.

Problem: Sediment moves through river systems in response to specific events and changing conditions in drainage basins. These events and conditions are both natural (floods, climate changes) and artificially-induced (accelerated erosion, reservoirs, diversions, channelizations). The response often takes place over periods measurable in decades or longer. The morphology of the river channels changes as sediment moves through the system.

Objective: To assess: (1) changes in river sediment loads over periods of decades or longer, and the factors (natural and artificial) that cause the changes; (2) rates at which rivers change their courses, shapes, and other morphologic features, both in their natural state and in response to artificial influences; (3) effects of infrequent catastrophic events or large-scale human influences on the "equilibrium" sediment movement and channel morphology in rivers; (4) sources, pathways, and sinks of sediment in rivers.

Approach: Basically a historical approach, using available records and making some first-hand field studies. Records will include sediment-load data previously collected by USGS and other agencies; changes in channel morphology will be interpreted by comparing old and new maps plus available aerial photographs of selected rivers in the Upper Missouri basin. Field studies will include repeated surveys of selected channels and tracer studies of sediment movement.

Progress and Results for 1978 and 1979: The effects of the flood of May 1978 on Powder River (the largest since 1923) were documented in a 90-km reach in southeast Montana. Channel changes in the reach included two avulsive cutoffs and significant lateral bank erosion (up to 65 m at one monumented cross section). An average thickness of 10-15 cm of new overbank sediment was deposited on a 500-m width of the flood plain. The amount of sediment carried into the upper end of the 90-km reach during the flood was 10 percent greater than the amount carried out the lower end. The amount of sediment newly deposited on the flood plain was nearly twice the amount eroded from the channel. While the net effect of the flood on the channel was erosion, the net effect on the valley was aggradation.

In the East Fork River of western Wyoming, movement of fluorescent particles and changes in bed elevation during the 1979 snowmelt runoff event showed that bed material moved downriver in fairly discrete slugs. The bed material (median diameters 1.0-1.5 mm) is stored during low-water seasons in areas of the channel whose centers are about 500 m (25-30 channel widths) apart. Preliminary results suggest that the mean distance between centers of storage corresponds to the mean annual distance of bedload transport. Because the bed material moves in separate slugs rather than in a continuous blanket, the relations between water discharge and bedload transport are not uniform but vary markedly from one part of the river to another.

Completed Reports:

Nordin, C.F., Meade, R.H., and others, 1979, Particle size of sediments collected from the bed of the Amazon River and its tributaries in May and June 1977: U.S. Geological Survey Open-File Report 79-329, 23 p.

Meade, R.H., and others, 1979, Suspended-sediment and velocity data, Amazon River and its tributaries, June-July 1976 and May-June 1977: U.S. Geological Survey Open-File Report 79-515, 42 p.

Meade, R.H., and others, 1979, Sediment loads in the Amazon River: Nature, v.278, pp.161-163.

Curtis, W.F., Meade, R.H., and others, 1979, Non-uniform vertical distribution of fine sediment in the Amazon River: Nature, v.280, pp.381-383.

Meade, R.H., Nordin, C.F., and Curtis, W.F., 1979, Sediment in Rio Amazonas and some of its principal tributaries during the high-water seasons of 1976 and 1977: Associacao Brasileira de Hidrologia e Recursos Hidricos, Simposio Brasileiro de Hidrologia, Third, "Hidrologia da Amazonia," Anais, v.2, pp.472-485.

Nordin, C.F., Meade, R.H., and others, 1980, Size distribution of Amazon River bed sediment--No appreciable change in downstream direction: Submitted to Nature.

Meade, R.H., 1980, Man's influence on the discharge of fresh water, dissolved material, and sediment by rivers to the Atlantic Coastal Zone of the United States, in Burton, J.D., Ed., River Inputs to Ocean Systems: United Nations Educational, Social & Cultural Organization (in press).

Meade, R.H., 1980, The absence of steady state between soil erosion, sediment transport in rivers, and the delivery of river sediment to the oceans, In Burton, J.D., Ed., River Inputs to Ocean Systems: United Nations Educational, Social & Cultural Organization (in press).

Meade, R.H., 1980, Sources, sinks and storage of river sediment in the Atlantic drainage of the United States: Submitted to Journal of Geology.

Project Title: Rehabilitation Potential of Energy Lands
Project No: CR75-104
Project Chief: Shown, Lynn M.
Headquarters Office: Lakewood, Colorado
Field Location : Topical Research

Problem: Hydrologic information with respect to rehabilitation potential, including erosion and sediment yields, is needed by local, State, and Federal governments and energy companies prior to decisions on leasing and mining of coal and oil shale. The information is needed on a timely basis; thus, reconnaissance techniques must be used to obtain much of the necessary data. The two facets of the problem are (1) definition of the conditions as they exist prior to mining, and (2) assessment of the potential for rehabilitation of land-water systems after mining.

Objectives: The objectives of this project related to erosion and sedimentation are to develop, refine, and apply reconnaissance techniques that will provide data to define baseline conditions and rehabilitation potential. Data collected include reservoir sediment yields, hillslope and exposure effects on erosion, slope changes in reconstructed topography, and channel erosion and aggradation.

Approach: The reconnaissance techniques used to characterize drainage basins include (1) relation of percent bare ground to runoff and sediment yield, (2) estimates of sediment yield using drainage basin and channel characteristics and reservoir sediment surveys, and (3) hillslope and channel erosion and sedimentation monitoring by surveys of monumented transects.

Progress and Results: Sediment surveys of three stock ponds and channel-geometry measurements at 20 cross sections were completed in the Coal Creek, Oklahoma, Energy Minerals Resource Inventory and Analysis—a BLM program (EMRIA) basin that is being modeled. Vegetation maps were completed for the Coal Creek basin and for the Prairie Dog Creek, Montana EMRIA basin. Sampling and analyses were done to define soil-moisture relations for 11 soils in the Yellow Creek EMRIA basin in Alabama. Infiltration and soil detachability measurements were made with a portable rainfall simulating infiltrometer at the Bisti West and Ah-shi-sle-pah Wash EMRIA basins in cooperation with the New Mexico WRD District. Three comprehensive reports demonstrating hydrologic methodology data analyses, and information useful for determining impacts of surface mining and reclamation were prepared. These reports were requested by the Office of Surface Mining Reclamation and Enforcement (OSM) and were done for potential mine sites in southeastern Montana, south-central Wyoming, and northwestern New Mexico. The last two runoff/erosion plots in the Piceance basin, Colorado were abandoned owing to encroaching development on Oil Shale Tract Cb. Channel cross sections on Corral Gulch were resurveyed twice where flows occur resulting from dewatering of aquifers of Oil Shale Tract Ca. The complete network of channel cross sections and slope erosion transects in the Piceance basin were resurveyed.

FY1980 Plans: Several types of data will be collected in the Yellow Creek and Bear Creek, Alabama basins, which are to be modeled. Data collection will include mapping and measurement of vegetation, additional soil moisture and bulk density samplings, sediment surveys of two or three ponds downstream of mined areas, channel geometry measurements, and reconnaissance of the hydrology of Warrior Coalfield. A report will be prepared for OSM on the hydrologic effects of surface mining and reclamation for a potential mine site in the Yellow Creek basin. Sediment surveys are planned for several stock ponds in the Prairie Dog Creek, Montana basin. Erosion monitoring will be continued in the Piceance basin.

Completed Reports:

Ringen, B. H., Shown, L. M., Hadley, R. F., and Hinkley, T. K., 1979, Effect on sediment yield and water quality of a nonrehabilitated surface mine in north-central Wyoming: U.S. Geological Survey Water Resources Investigations 79-47, 23 p.

U.S. Department of the Interior, Geological Survey, 1978, Moisture relations in soils, vegetation, and sediment yields, *in* Resource and Potential Reclamation Evaluation—Hanging Woman Creek Study Area: Bureau of Land Management EMRIA Report No. 12, 1977, 309 p.

PROJECT TITLE: Sediment Movement and Hillslope Morphology
WRD PROJECT NO.: CR 4661-105
LOCATION: Worldwide
PROJECT CHIEF: Garnett P. Williams
HEADQUARTERS OFFICE: Lakewood, CO

PROBLEM: Installation of a dam on a river traps the sediment load and alters the pattern of the water discharge. The channel downstream reacts to these imposed changes, sometimes drastically.

OBJECTIVE: To determine how a channel is likely to change downstream from a dam.

APPROACH: Analysis is being made of aerial photographs and resurveyed cross sections of river channels below some 44 damsites. Features of special interest are changes in mean bed elevation, channel width, vegetation, channel sinuosity and pattern. Records of water discharge, for the pre-dam and post-dam periods, show the change in flow.

PROGRESS AND RESULTS: All resurveyed cross-section data have been obtained mostly from the Corps of Engineers. Aerial photos are being ordered. Analysis of cross sections is under way but is not sufficiently advanced to show any results.

COMPLETED REPORTS, 1978-1979 (Including related studies):

Williams, G. P., 1978, Hydraulic geometry of river cross sections -- theory of minimum variance; U.S. Geol. Survey Prof. Paper 1029, 47 p.

_____, 1978, The case of the shrinking channels -- The North Platte and Platte Rivers in Nebraska: U.S. Geological Survey Circular 781, 48 p.

_____, 1978, Bankfull discharge of rivers: Water Resources Research, Vol. 14, No. 6, p. 1141-1154.

_____, 1978, Historical perspective of the Platte Rivers in Nebraska and Colorado IN Graul, W.D., and Bissell, S.J., (tech. coord.), Lowland river and stream habitat in Colorado: A symposium (Greeley, Colorado, (October 4-5, 1978): Colorado Chap. Wildlife Soc. and Colorado Audubon Council, p. 11-41.

Rhodes, D. D., and Williams, G. P. (eds.), 1979, Adjustments of the fluvial system (Proc. 10th Annual Binghamton Geomorphology Symposium); Dubuque, Iowa, Kendall/Hunt, 372 p.

Forest Geomorphology, Pacific Coast

WRD Project No.: WR74-089
Field Location: Forested steeplands of the Pacific Coast
Project Chief: Janda, Richard J.
Headquarters Office: Menlo Park, California

Problem: The rock types, topographic and tectonic settings, climates, and landuses in the geologically youthful mountains of the Pacific Coast are conducive to exceptionally rapid mass wasting and fluvial erosion. Types and rates of geomorphic processes are strongly influenced by living and dead vegetation and therefore readily modified by natural or management-related vegetation disturbance. Considerable public interest is focused on developing timber harvesting practices that will have minimal impact on water quality and aquatic habitat. Unfortunately, quantative knowledge of (1) hillslope erosion processes contributing to stream sediment loads, and (2) the influence of vegetation on both hillslope and channel processes is meager.

Objective: Study the manner in which different hillslope erosion processes influence stream sediment transport relationships and total sediment yield from small and intermediate sized forested basins. Study the ways in which living and dead vegetation influence erosion, transport, and deposition of sediment in forested environments.

Approach: Compile available stream sediment discharge data and attempt to relate various sediment discharge characteristics to basin parameters including dominant hillslope erosion processes, landuse, climate, and size. Study time-sequential aerial photographs to determine types and frequency of erosion processes. Map erosional landforms and monitor changes in landforms through repeated surveys of monumented cross sections, stake arrays, and bore holes. Collect auxiliary sediment discharge data for small basins where hillslope and channel processes are being intensively studied.

FY 1978 Progress: Analysis of landslide movement data suggested that complex slump-earthflow movement had to be monitored in much greater detail in order to assess the role of that process in contributing to stream sediment discharge. Thus, observations on two complex streamside landslides were expanded to include more frequent surveys of stake arrays, more detailed monitoring of toe erosion, determination of fluvial sediment transports in axial gully systems, installation on continuously recording strain gages, and determination of internal deformation through the use of a bore hole-accessed inclinometer. Continued surveying of 55 monumented channel cross sections together with determination of sediment discharge at seven gaging stations along Redwood Creek indicated that the head water reaches were experiencing scour and a reduction in suspended sediment discharge per unit area (SSD/A) relative to downstream areas; downstream reaches experienced local aggradation and SSD/A remained high.

Comparison of suspended-sediment transport curves (SSTCs) for streams draining different types of erosional terrane suggests that streams draining areas sculpted primarily by persistent slump earthflow movement have SSTCs with gentler slopes than SSTCs for streams draining areas sculpted primarily by episodic debris slides. Storm and landuse-accelerated erosion causes upward shifting of SSTCs with either no significant change in slope or a slight reduction in slope particularly at high water discharge.

Progress for FY 1979: Analysis of intensively monitored complex streamside landslides indicate that movement occurs primarily during pulses of rapid movement separated by periods of slow persistent movement. Initiation and acceleration of movement occur in immediate response to specific rain storms, but amounts and rates of movement during specific pulses are not simply related to rainfall input, antecedent moisture, or ground water levels. Late season pulses seem disproportionately large relative to early season pulses associated with comparable hydrologic conditions. Movement persists after major erosion-causing storms and rapidly refills in-channel and near-channel sediment storage areas along streams on and adjacent to this type of landslide. Thus, high sediment transport associated with low and moderate water discharge in complex landslide terrane can be accounted for by the consistent availability of readily erodible sediment in and adjacent to stream channels.

Twelve of nineteen gaging stations in northwestern California with five or more consecutive years of daily suspended-sediment discharge records have mean annual SSD/A's larger than 1000 t/km^2 ; the range in mean annual SSD/A for these nineteen stations is 162 to 3000 t/km^2. No definitive relation exists between SSD/A and drainage area for these streams. However, when the data are adjusted for differences in geology, a roughly linear relationship with a positive slope is suggested. In geologically youthful mountains, unlike low relief agricultural areas in the Central and Eastern United States, a positive correlation between SSD/A and drainage area is not unrealistic because high sediment producing landslide areas tend to be concentrated along deeply incised higher order stream channels. In this wet environment SSD/A is positively correlated with precipitation because increasing soil moisture and ground water levels result in increased susceptibility to mass failure.

Plans for FY 1980: Continue to study how the timing, amount, and type of hillslope erosion influences suspended sediment transport curves. Continue to study the variability and total sediment yield and sediment transport characteristics of small streams draining unharvested forested drainage basins. Continue geomorphic monitoring in the drainage basins of Redwood Creek (California) and Bull Run (Oregon).

Completed Reports:

Harden, D. R., Janda, R. J., Nolan, K. M., 1978, Mass movement and storms in the drainage basin of Redwood Creek, Humboldt County, California--a progress report: U.S. Geol. Survey open-file report 78-486, 161 pp.

Janda, R. J., 1978, Summary of watershed conditions in the vicinity of Redwood National Park: U.S. Geol. Survey open-file report 78-25, 82 pp.

Janda, R. J., 1979, Summary of regional geology in relation to geomorphic form and process in A guidebook for a field trip to observe natural and management-related erosion in Franciscan terrane of Northern California for Cordilleran Section of the Geological Society of America, p. II-1 - II-17.

Janda, R. J. and Nolan, K. M., 1979, Stream sediment discharge in Northwestern California in A guidebook for a field trip to observe natural and management-related erosion in Franciscan terrane of Northern California for Cordilleran Section of the Geological Society of America, p. IV-1 - IV-27.

Janda, R. J. and Nolan, K. M., 1979, Road log for day I in A guidebook for a field trip to observe natural and management-related erosion in Franciscan terrane of Northern California for Cordilleran Section of the Geological Society of America, p. VIII-1 - VIII-26.

Nolan, K. M. and Janda, R. J., 1979, Recent history of the main channel of Redwood Creek in A guidebook for a field trip to observe natural and management-related erosion in Franciscan terrane of Northern California for Cordilleran Section of the Geological Society of America, p. X-1 - X-16.

Nolan, K. M. and Janda, R. J., 1979, Recent history of the surface morphology of two earthflows adjacent to Redwood Creek in A guidebook for a field trip to observe natural and management-related erosion in Franciscan terrane of Northern California for Cordilleran Section of the Geological Society of America, p. XI-1 - XI-10.

Nolan, K. M., 1979, Graphic and tabular summaries of changes in stream-channel cross sections between 1976 and 1978 for Redwood Creek and selected tributaries, Humboldt County, and Mill Creek, Del Norte County, California: U.S. Geol. Survey open-file report 79-1637, 38 pp.

Janda, R. J. and Nolan, K. M., 1979, Geomorphic controls on the form of suspended-sediment transport curves in Abstracts with Programs, Rocky Mountain Section of the Geological Society of America, Vol. 11, No. 6, p. 275.

Janda, R. J., Nolan, K. M., and Stephens, T. A., 1979, Styles and rates of landslide movement in slump-earthflow-sculpted terrane, Northwestern California in Abstracts with Programs, Cordilleran Section of the Geological Society of America, Vol. 12, No. 3, p. 113.

Project Title: Arctic Stream Processes
WRD Project No.: WR-4761-138
Location: Alaska
Project Chief: Scott, Kevin M.
Headquarters Office: Menlo Park, CA

Problem: Arctic streams have been contradictorily described as highly unstable, with high rates of bank erosion, and unusually stable, with low rates of bank erosion relative to streams of similar size elsewhere. In general, little is known of the behavior of arctic streams.

Objective: 1) To describe the character and rates of bed and bank processes in arctic streams; to indicate what factors influence variation in rates of erosion and sedimentation--in short, to supply the information needed for engineering design and impact assessment concerning stream behavior in the Arctic. 2) To compile a specifically annotated bibliography of arctic stream processes. Because many papers dealing with arctic stream processes did so incidentally to other studies, author abstracts and the usual bibliographic compilations are of little use.

Progress and Results: 1) Data collected from 1976-77 provide the basic description of how, when, and under what conditions streams in the Arctic erode their banks. Data collected in 1979 are partially analyzed and indicate how sediment transport varies with thermal regime and type of bed and bank material in a group of streams. 2) The bibliography was completed and has just been released as WSP 2065.

Completed Reports (1978-79):

Scott, K. M., 1978, Effects of permafrost on stream channel behavior in arctic Alaska: U.S. Geological Survey Professional Paper 1068, 19 p.

Scott, K. M., 1979, Arctic stream processes--an annotated bibliography: U.S. Geological Survey Water-Supply Paper 2065, 78 p.

Project Title: COUNTERMEASURES FOR HYDRAULIC PROBLEMS AT BRIDGES
WRD Project No.: WR 153
Location: National
Project chief: Brice, J. C.
Headquarters office: Menlo Park, CA

Problem: Damage to bridges by streams amounts to a large dollar loss each year in the U.S., and experience has shown that this damage can be reduced by the use of countermeasures. Information is needed for selection of the most effective countermeasure to be used in a particular situation.

Objective: To provide guidelines to assist design, maintenance, and construction engineers in selecting measures to reduce bridge losses attributable to scour and bank erosion.

Approach: To document and analyze bridge sites where hydraulic problems have occurred and countermeasures have been employed; and to interview bridge engineers regarding the effectiveness of countermeasures that have been used.

Progress and results: Case histories have been prepared for 224 bridge sites in the U.S. and Canada and bridge engineers in 34 states have been interviewed. Problems at piers occurred at 100 sites and problems at abutments, at 80 sites. Problems are attributed to local scour at 50 sites, to general scour at 55 sites, and to lateral stream erosion at 105 sites. Performance ratings are given for rigid and flexible revetment, for flow-control measures (spurs, dikes, spur dikes, check dams, jack fields), and for measures incorporated into the bridge. Streams are classified for engineering purposes into five major types, each having characteristics of lateral stability and behavior that need to be taken into account in the design of bridges and countermeasures. Hydraulic analysis has been carried out for flood conditions at 60 bridges, for which values of flow, bridge, and geomorphic factors are tabulated.

Completed reports:

Brice, J. C., Blodgett, J. C., and Others, 1978, Countermeasures for hydraulic problems at bridges; Vol. 1, Analysis and assessment, 184 p; Vol. 2, Case histories for sites 1-283, 542 p.: Federal Highway Administration Report No. FHWA-RD-78-162.

Project Title: STABILITY OF STREAM CHANNELS ALTERED FOR BRIDGE OR HIGHWAY CONSTRUCTION
WRD Project No.: WR 153
Location: National
Project chief: Brice, J. C.
Headquarters office: Menlo Park, CA

Problem: In the construction of bridges and highways, relocation or other alteration of stream channels is commonly desirable in order to avoid crossings, to improve stream alinement at bridges or culverts, or to accommodate a proposed road location. Because of regulations by various governmental agencies, most state hydraulic engineers are now hesitant to recommend any alteration of natural channels, even where minor changes would result in substantial savings in cost or increase in safety. However, there is little published documentation of the actual effects of past channel relocations on channel stability.

Objective: To provide information on the consequence of past channel alterations, for use in decisions regarding future alterations.

Approach: To prepare case histories of sites where channel alterations have been made sufficiently long ago (usually no less than 15 yr) that the effects of alteration on channel stability can be evaluated; and to isolate the dominant factors that have been associated with stability or instability of the altered channel and adjacent reaches of the natural channel.

Progress and results: Plans, maps, aerial photographs, and flow data have been collected for 109 sites where channel alterations have been made. Case histories have been prepared for 55 of these sites.

Completed reports: none

DEPARTMENT OF THE INTERIOR--OFFICE OF SURFACE MINING

Dredging Demonstration Project

The Department of the Interior's Office of Surface Mining recently awarded a grant to a Missouri dredging company. The purpose of the grant was to enable a demonstration of successful sediment removal.

The sediment was removed from a Peabody Coal Company pond near Macon, Missouri. This removal was the first time that amphibious equipment was successfully used for such an operation. The hydraulic power auger and submerged pump, the Mud Cat Model SP-810 hydraulic dredge, easily removed 1154 cu yd of sediment and pumped a slurry concentration of 237 g/l to a disposal area 1000 feet away. This equipment was economically and scientifically more efficient than land-based equipment. The dragline cost was $5.00 per cu yd, dredge cost was $1.00 per cu yd, and the front-end loader was $15.70 per cu yd, under optimum conditions. Operator experience with the dredge was an important factor in achieving the desired results.

OSM hopes to assist in a variety of similar projects in the future.

DOI/OSM Sedimentation Ponds Rules 30 CFR 816.42, 816.46 816.42 and 816.46

The Department of Interior's Office of Surface Mining issued final regulations in March 1977, for control of sediment in discharges from areas of surface coal mining and reclamation activities. These rules established specific limitations called "effluent limitations" on the total suspended solids (TSS), iron and maganese content of the discharges from the mining area. They also required that all runoff be passed through sedimentation ponds and established design criteria for these ponds. The TSS standards were almost identical to those published by U.S. Environmental Protection Agency (E.P.A.) in 1977, OSM regulations were based on the best available technical information. However six months later, two contracted studies contradicted the rules of the two agencies. These studies claimed that discharges from ponds might not be able to meet the TSS effluent limitations during precipitation events.

A petition was filed with the department and published in the Federal Register requesting the immediate suspension of the regulations. OSM suspended some of its regulations.

E.P.A. followed a similiar procedure and late last year amended its regulations to grant an exemption from compliance with the effluent limitations during rainfall events to operations whose facilities are designed, constructed and maintained to treat or contain a 10year-24hour precipitation event or snowmelt of equivalent size.

E.P.A. expects to publish its final regulations this fall, based on a Nation wide study of representative sedimentation ponds. OSM suspended its regulations last year and is presently considering several options which of course, would follow the required procedures including the public participation.

The options are:

Options A would readopt its present regulations which fulfill the requirement of the Act but do not agree with the studies.

Option B would adopt a rainfall exemption modified either to increase or decrease the size of the precipitation event to which exemption is keyed (presently 10year-24hour) but would adopt the effluent limitations.

Option C is identical to Option B except that the sedimentation pond design criteria would be modified to reflect the findings of the two studies.

Option D would readopt the effluent limitations and would delete design criteria concerned with the size of sedimentation ponds.

Option E and Option F are variations of ones mentioned above.

Option G which is the most feasible option, would readopt the current effluent limitations and apply them only to base flow and would adopt a rainfall event effluent limitation to be based on EPA field data.

SCIENCE AND EDUCATION ADMINISTRATION--AGRICULTURAL RESEARCH

ARIZONA

Research activities at the Southwest Rangeland Watershed Research Center in Tucson, Arizona include the following:

1. Procedures were developed to predict channel morphology for small streams and to relate channel morphology to sediment yield. Sensitivity analysis showed the response or adjustment of stream channels due to changes in discharge or channel characteristics which might result from changing land use. The procedures provide a basis, from hydraulics of open channel flow and a simple erosion equation, to quantitatively evaluate the relationships between channel morphology and sediment yield.

2. Rainfall simulators were used to study soil detachment by raindrop impact. Simulator data are being used to relate detachment rate to soil erodibility, vegetative cover, development of erosion pavement, and rainfall intensity.

3. Experimental procedures have been developed to evaluate a forward scattering laser apparatus used to determine the particle size distribution of soils and sediments in stream flow. Work is continuing to compare results with those from hydrometer and pipette analysis.

4. Work on the USDA-SEA nonpoint source pollution modeling effort, under the direction of W. G. Knisel, Jr., has continued. The field-scale erosion and sediment yield model has been developed and tested for a variety of conditions. Documentation including model development, users manual, and supporting information has been prepared for a USDA Conservation Research Report. Efforts are continuing to refine and improve the field-scale model and to develop a more comprehensive basin-scale model.

5. Runoff/sediment concentration samples were collected from a number of small experimental watersheds including eight watersheds on the Sarta Rita Experimental Range. These samples are being used to evaluate a brush conversion-rotation grazing experiment and to determine the influence of these practices on runoff and sediment yield.

6. Data from small experimental watersheds are being used to evaluate factors in the Universal Soil Loss Equation under semiarid rangeland conditions. Research is continuing to develop procedures to represent the influence of erosion or desert pavement on the C-factor.

For additional information contact Dr. Kenneth G. Renard, Research Leader, Southwest Rangeland Watershed Research Center, 442 East Seventh Street, Tucson, Arizona 85705.

U.S. Department of Agriculture
Science & Education Administration-Agricultural Research

GEORGIA

Research activities at the Southeast Watershed Research Laboratory include the following:

1. Hydrologic, sediment, and chemical transport studies are underway on small mixed use, agricultural watersheds in the Southern Coastal Plain. Five years of continuously monitored data are available from one 6.5 mi^2 drainage area (Watershed K) and 1½ years data on three other continuously monitored drainages ranging from 6 to 8.5 mi^2. Rainfall, streamflow, and shallow alluvial groundwater stages are monitored on a continuous basis (5 min. to 1 hour) and streamflow is sampled automatically (1 to 3 samples/day). Suspended sediment concentration in streamflow is determined as well as a range of water quality parameters.

2. Sediment delivery from a 6.5 mi^2 watershed (K), for the 2-year period 1975-1976 was estimated to be 5% of the estimated gross soil movement (based on USLE) from within the watershed. Sediment delivery ratios varied with season, with maximums occurring December-February, and minimums occurring June-August. Multiple regression relationships were developed for predicting seasonal SDR values based on season, runoff amount, and rainfall-runoff-season interactions.

3. Suspended sediment yields moving in streamflow from Watershed K, for the three-year period 1975-1977, averaged 385 kg/ha/yr.

4. Seven small cropped study areas (≃ 1 to 4 acres each) are being instrumented for evaluation of alternate cultural and residue management practices on sediment production from agricultural areas. Suspended sediment loads will be determined under both conventional and minimum tillage and under varied residue management (biomass production) schemes.

For additional information, contact: Loris E. Asmussen, Director
Southeast Watershed Research Laboratory
USDA-SEA-AR
P. O. Box 946
Tifton, GA 31794

IDAHO

Research at the Northwest Watershed Research Center, Boise, Idaho includes the following:

1. A major storm with rain on snow and frozen soil January 11, 1979, produced the third highest peak runoff of record at the Reynolds Creek Outlet station. Sediment yield from this one storm produced about 50 percent of the yearly sediment discharge at the station. Sediment yields ranged from 33 to 84 percent of average in 1979 as a result of below normal precipitation and runoff.

2. The Pacific Southwest Inter-Agency Committee (PSIAC) procedure for predicting sediment yield was modified and used in this study to compare with predicted soil loss by the Universal Soil Loss Equation (USLE). Results showed that predicted PSIAC sediment yields were about 70 percent of predicted USLE soil loss on a watershed basis and that average predicted PSIAC sediment yields were within 15 percent of measured yields.

3. Watershed management on the Boise Front near Boise, Idaho, reduced 1978-79 sediment transport in Cottonwood Creek to about 10 percent of 1939-40 amounts. This dramatic reduction in sediment transport resulted from effective fire suppression, contour trenching, seeding, grazing management, and closing of critical areas to ORV use.

For additional information contact C. W. Johnson, Suite 116, Patti Plaza, 1175 South Orchard, Boise, Idaho 83705.

INDIANA

Activities at Lafayette, Indiana include the following:

1. Runoff and soil loss from farm fields and watersheds are the result of so many complex variables that complicated models must be used in their estimation. Many erosion and runoff models in use today require estimates from single storm events rather than long term average values now available. In a study just completed data used to derive the Universal Soil Loss Equation along with data collected since 1965 were used to evaluate erosivity factors for single storms. Results showed rainfall factors which included both rate and volume were best. Lumped erosivity factors that included rainfall volume, rainfall intensity, and runoff volume were better estimators of erosion than the presently used rainfall energy intensity value. Erosivity factors having separate terms for rainfall and runoff erosivity were even better.

2. In results obtained using the USDA rainulator in August, 1979 on a long term (18 year) experiment in continuous corn at Wooster, Ohio, soil loss was 9.5 tons per acre for a plow, disk harrow (conventional) system, 8.3 tons per acre for plow plant and 0.36 tons per acre for no-till. This is a 26 fold difference between no-till and conventional. The effectiveness of plow planting in controlling erosion was expected to be great early in the season and much less in August as these results show.

3. Data collected from field plots with mulch and grass strips under simulated rainfall used to show that the transport relationships in CREAMS (a model for Chemicals, Runoff, and Erosion from Agricultural Management Systems) accurately describe particle segregation during deposition by overland flow entering strips of corn stalks and grass.

4. Of six stream flow sediment transport equations evaluated, the Yalin equation gave the best results for transport of sand, coal, and soil aggregates for slopes and discharge rates characteristic of overland flow on farm fields. The equations were tested without calibration using parameters recommended in the literature. A manuscript describing the results is under review.

5. The prototype of the new rainfall simulator performed well in a field environment. Rainfall characteristics are much improved over those of the current simulator. Some components proved too heavy to be easily handled and have been redesigned and rebuilt for further field testing.

6. A contract for the National Soil Erosion Laboratory on the Purdue campus was let on December 5, 1979 to Goepel and Demars, General Contractors of Indianapolis, IN. Construction will begin March 4, 1980 with completion expected in the summer of 1981. Purdue University was awarded the contract for inspection services. The laboratory will house eight scientists and about 15 support staff.

For additional information contact W.C. Moldenhauer (SEA, Agronomy Department, Life Science Building) or G.R. Foster (SEA, Agricultural Engineering Building) Purdue University, West Lafayette, Indiana 47907.

IOWA

Research activities at the North Central Watershed Research Center, Columbia, Missouri, include:

1. Continued measurement of soil losses and affecting variables from four field-size watersheds, and several subwatersheds, near Treynor, Iowa. Measured soil losses, 1964-79, were compared with soil losses computed from the depletion of Cesium 137 radioisotope in the soil profile and with surveyed landform changes, 1969-78 on a representative subarea, 75 x 840 ft.

2. The migration of eroding headscarps, along with profile and crossection changes, was monitored on four gullies and two channel systems in southwest Iowa. Instrumentation to define the mode of failure of streambanks after passage of headscarps was continued at two locations.

For additional information contact Carroll R. Amerman, Watershed Research Unit, 207 Business Loop 70 East, Columbia, Missouri 65201.

Minnesota

Current research at the St. Anthony Falls Hydraulic Laboratory, Minneapolis, Minnesota, is on the local scour caused by a cantilevered spillway or culvert pipe discharging onto a bed of cohesionless sand. Variables partly investigated are bed material size (d_{50} = 0.5, 1, 2, 4, and 8 mm), standard deviation of bed material size (1.2, 1.4, and 1.6), effect of pipe elevation relative to the tailwater elevation (-2, -1, 0, 1, 2, 4, and 8 pipe diameters), and effect of pipe slope. The temperature is maintained constant at 20° C. Dimensionless discharges $Q/\sqrt{gD^5}$ are 0.5, 1, 2, 3, 4, and 5. (Q is the discharge, g is the acceleration due to gravity, and D the pipe diameter.) The flow is interrupted and the scour hole is measured at 10, 31.6, 100, 316, 1000, 3162, and 10000 minutes after the beginning of each test. Because the apparatus would otherwise have been idle for lack of a technician, one scour test was allowed to continue to see if it reached a limit. Sediment was still being carried from the scour hole after 14-1/4 months. Current work is on data analysis of the 77 test series and nearly 525 scour holes. Analyses made so far show that the scour hole contours, expressed as a percentage of the maximum depth of scour, can be reduced to a single set of elliptical contours for all 6 discharges, all 7 scour periods, all 5 sizes and 2 gradations of bed material, and the 7 pipe heights for which data have been analyzed if suitable normalizing parameters are chosen. These analyses were limited to those data where the discharges were insufficient to cause "beaching," i.e., excessively widen the surface of the scour hole. The normalizing parameters have been described mathematically. The developed relationships will be checked against the original data to see how well the mathematical model represents the data. An analytical method has been developed that predicts the asymptotic dimensions of the scour hole, that is the scour hole dimensions at infinite time. A paper describing this method has been submitted to the American Society of Civil Engineers Hydraulics Division Journal. To obtain the maximum disturbed dimensions of the scour hole, tests are continuing in which the bed material suspended in the plume of the jet is removed.

For additional information contact Fred W. Blaisdell, Research Leader, SEA-AR, USDA, St. Anthony Falls Hydraulic Laboratory, Third Avenue SE at Mississippi River, Minneapolis, Minnesota 55414.

MINNESOTA

The following research is being conducted at the North Central Soil Conservation Research Laboratory at Morris, Minnesota.

1. Hydrological, soil, and water quality conditions were monitored and data collected for three years on a forested watershed, and for five years on an agricultural watershed. Two of the five years resulted in no runoff events on the agricultural watershed because of drought conditions. This watershed was closed out in the fall of 1979 and data is currently being analyzed.

2. Cropped buffer strips on a 4 percent slope reduced runoff and total solids transported from a feedlot by 67 and 79 percent, respectively. TN and TP were reduced by an average of 84 and 79 percent, respectively. NH_4-N and PO_4-N were similarly reduced but average NO_3-N in the runoff increased because some NO_3-N was gained from two cropping treatments, sorghum-sudangrass and oat buffer strips. During two years of rainulator tests, the number of coliform organisms in the runoff water was reduced after runoff passed through the vegetated buffer strips. Buffer strip lengths of 36 m appear to be sufficient to reduce to acceptable levels concentrations of both nutrients and microorganisms in feedlot runoff from summer rainstorms on feedlot areas of the size tested.

3. A feedlot evaluation computer model was developed to provide a uniform, systematic method for evaluating the potential pollution hazard posed by open feedlots anywhere in the state of Minnesota. The purpose of the method is to provide a reasonably uniform and equitable means of dispensing public funds for pollution abatement based on the severity of the problem posed by each individual feedlot. The model has been adopted for use in Minnesota by the ASCS, Soil Conservation Service, Soil and Water Conservation Board and the Minnesota Pollution Control Agency.

4. Soil-particle detachment and transport largely depends on the particle-size distribution, density, and degree of aggregation of the matrix soil. Particles in the silt-size range erode more easily than clay or sand-size particles. Eroded material can generally be classified into two main-size categories, depending upon the matrix soil textural classification. Density of soil aggregates averages only about two-thirds or less that of primary particles and varies inversely with the amount of silt in a soil. Sediment particle size is also affected by the percentage of land slope, percent vegetative cover, and type of tillage.

Soils which initially are more than 50 percent sand or clay usually produce sediment with particles larger than 50 μm in size. High clay content soil produces much sediment with particles larger than 1000 μm. Soils that are initially more than 35 percent silt usually produce sediment in the silt size range from 2 to 50 m, with most particles ranging in size from 20 to 35 μm.

5. A microrelief profilimeter has been built and tested to automatically scan points on a 1 cm x 5 cm grid spacing to measure soil surface elevation. The platform holding the pins is microprocessor controlled and is capable of measuring over 300 surface elevations in less than one minute with a vertical resolution of 1 mm over a 25 cm range. The entire apparatus is light enough to be handled in the field by two persons. It is also battery operated for remote use, and the data are recorded on magnetic cassettes for easy output on a computer controlled plotter. A rainfall simulator-infiltrometer has also been built and tested. The simulator consists of four modules which cover an area of 24 ft^2. The rain is applied continuously through a series of needles rather than spray nozzles. The simulator allows for a wide range of intensities, from near zero to approximately 20 cm/hr. Drop size can also be controlled using air pressure to more closely simulate actual conditions. The entire unit is mounted on a pick-up-towed trailer and, as such, can be used at remote field sites.

6. A rainulator was used to apply known amounts of rainfall energy on 8 plots, 13.3 feet (4.1 m) by 35 feet (10.7 m) on which a history of wheel traffic had been established. Standard runoff collection procedures were modified to separate erosion and runoff in the wheel track from that occurring in the non-tracked area. The wheel tracks, while comprising only 22 percent of the total plot area, produced 33 percent of the runoff and 50 percent of the soil loss originating in the plot. The soil surface sealed more rapidly and soil loss rates equilibrated in less time in the wheel tracks than in the non-tracked area. Detailed aggregate analyses of the matrix soil and sediment indicated that, while the wheel tracks contained larger aggregates, these aggregates were less water stable than those in the non-tracked area. Wheel traffic increased the bulk density and decreased the porosity of the surface soil to a depth of about 12 inches (30 cm.)

7. Soil loss was estimated by townships using the USLE for 38 counties in Minnesota for a variety of farming systems. Factors were derived using soils information derived from the SCS Conservation Needs Inventory, crop information derived from SRS Agricultural Statistics, land use information from the Land Management Information Center, and other necessary information from SCS sources. It was found that existing soil erosion exceeded the tolerable limit on over 70 of the 675 townships investigated. The effect of alter-

native cropping sequences, engineering practices, and tillage practices was also investigated. It was found that conservation tillage practices alone would control soil erosion on all but 16 townships. Average annual sediment yields were also estimated for 23 watersheds ranging in size from 262 to 386,000 square kilometers. Sediment yields ranged from under 50 kg/ha in the north to over 560 kg/ha in the southeast. Using the erosion and sediment yield data, a simple sediment routing technique was developed to prioritize upland sediment sources on 10 watersheds. It was estimated that from 41 to 68 percent of the basin yields resulted from only 25 percent of the area. This type of information prioritizes sediment producing areas so that initiation of conservation practices can be accomplished in the most effective manner.

For additional information contact R. F. Holt, USDA-SEA, Morris, MN 56267.

MISSISSIPPI

Research activities at the USDA Sedimentation Laboratory in Oxford, Mississippi include the following:

1. Research in cooperation with the North Mississippi Branch Experiment Station on no-till and reduced-till systems for cotton, corn, and soybeans is continuing. Use of cultivation for weed control in no-till planted corn without excessive erosion was reported previously. The 2-year average of tests using the same system for soybeans resulted in 3.3 t/a soil loss, which is greater than for corn. However, the results from 2 years are not conclusive. Annual and cropstage C-factors for these no-till and reduced-till systems are being computed for publication and use in the USLE. First year results from no-till cotton showed a yield reduction; however, reduced-till cotton yield was almost as high as from conventional-till cotton. Both no-till and reduced-till cotton yielded as well as conventional-till cotton during the second year of the test.

2. The rainulator is being used to study the mechanics of erosion for slopes under 3 percent primarily to verify or adjust the factors in the USLE. Studies of slope-length on 0.2 percent slopes resulted in soil loss proportional to slope length to the power of $m = 1.2 \sin\theta^{1/3}$ for slopes less than 10 percent. Studies of the effect of slope were made in 1978 but the data have not been fully analyzed. Other factors influencing soil loss on low slopes in these valley and river bottom soils that are intensively farmed include protection from raindrop impact by surface water layers.

3. Research in cooperation with the SCS on flatland watersheds in the Mississippi Delta is continuing. One pair of watersheds, 38.5 and 46.2 acres, is located on 0.2 percent graded slopes. One watershed is on Sharkey soil, the other on primarily Commerce soil; both are used for cotton production. The sediment yield is being used to verify the USLE and to compute C-factors for cotton grown on nearly flat slopes. Two more pairs of small watersheds are being used to study the effect of different cotton tillage systems and natural vs. graded slopes on sediment yield. A 640-acre watershed is being used to determine sediment yield from typical Delta flatland watersheds. All of the watershed data are also being used to develop a simple field sediment yield model based on the USLE and sediment delivery ratios.

4. In cooperation with the Soil Conservation Service, four varieties of willow were planted in 1976 at the toe of eroded banks of a 120-foot wide dredged channel in northern Mississippi. In the first year, 60 percent of the plantings failed due to high water velocities, bank slides, and poor site conditions. The surviving willows are being observed for their long-term effect on stabilizing the stream banks. Additional plantings of willow, river birch, maiden cane rhizomes, and phragmites rhizomes were made in 1978 behind 5000 feet of newly constructed jacks and fences on Hotopha, Johnson and Peters Creeks in

Panola County near Oxford, MS. All of the maiden cane rhizomes were lost from one storm on May 5, 1978, a month after planting. Losses of willow, river birch and phragmites of 70, 63 and 50 percent, respectively, were attributed to high water velocities during the May 5 storm and to extremely dry weather that followed. Another vegetative study was implemented in cooperation with the SCS and the Corps of Engineers. Construction on both sides of a 1600-foot reach of Johnson Creek was begun in November, 1978 and completed June 20, 1979. The banks were finished to a 2:1 side slope. Various combinations of rip-rap, cellular blocks and vegetation were installed on 9 treatments along the reach. Measurements are being made to evaluate the hydraulic effects of the treatments and to determine the erosion resistance of the treatments. Also in 1979, various species of shrubs and trees were planted behind about 3000 feet of rip-rap dikes, jacks, and fences on Peters, Johnson and Hotopha Creeks in Panola County. During FY 1980, approximately 1800 feet of additional channel banks on Johnson and Goodwin Creeks are planned for addition to the existing project. These studies, which will be in channel bends, will consist of bank forming on 1:3 slopes with toe protection using various materials and techniques. The bank surface will be planted to various species and types of vegetation.

5. Instrumentation was installed on a small sediment detention reservoir (pond) to measure, on a storm basis, water and sediment inflow and outflow. Additional instruments are being installed to measure sediment concentrations and water temperatures at selected locations and depths within the water body. Data collection, scheduled to begin in the spring 1980, will provide information on the performance of fine sediments in small impoundments.

6. Amounts and distribution of sediment deposits in 12 small normally ponded reservoirs were studied and analyzed. In spite of wide variations in reservoir size, shape, and sediment inflow volume, most of the structures trapped over 80% of inflowing sediments. Only one, a very small pond-type structure, had a lower trap efficiency. Fine sediments, generally less than 8 microns, were fairly evenly distributed throughout most of the reservoirs. Coarse sediments, sand size and larger, were usually concentrated at the upstream end of the reservoirs near the permanent pool elevation. Mean outflow concentrations did not exceed 300 ppm and essentially all outflowing sediments were fine material. This suggests that flow detention times were sufficiently long in all of these structures to permit settling of all but very fine sediment particles.

7. Collection of rainfall, runoff, and sediment data on a storm basis was continued on two small single cropped (cotton) watersheds in the Bear Creek Basin. Excessive rainfall, 40 inches during the first 6 months of the year, caused flooding of parts of the plots for several weeks in the winter and spring. Particle size analyses of soil samples from the watersheds were completed. Clay content in the top 8 inches of soil ranged from 10 to 35% and the sand content from 30 to 80%.

Particle size analyses of selected runoff samples showed that essentially no sand is leaving the watersheds. Clay content in the outflow ranged to 90% of the total sediment which indicates significant enrichment of fine particles as the soil is transported from the watersheds.

8. A set of 15 sediment samples from oxbow lakes in the Bear Creek Basin was used to evaluate recently developed, commercially available instruments for measuring the particle size and particle size distribution of sediment deposits. Particle size distributions were determined by four different procedures including the Sedigraph at Chickasha, OK, the Microtrac at Tucson, AZ, the Particle Data Analyzer and the conventional pipette procedure at Oxford, MS. While the study is not yet complete, the available data are being analyzed. An additional set of data is expected from a fifth instrument at the U. S. Army Cold Region Research Laboratory, Hanover, NH.

9. A laboratory test channel was modified to accomodate the hydraulic simulation of in-channel sediment traps similar to those being used by the SCS in channelization projects. Instrumentation has been installed. Testing is not yet complete. As a second effort, field evaluation of these traps has begun on Juniper Branch of Chicod Creek in North Carolina in a cooperative study with the SCS and the USGS. Samples have been obtained from six storms, but analysis of the data is not yet complete. Field data collection is continuing.

10. A process-oriented mathematical model has been developed describing the thermal, suspended sediment, and dissolved material processes in shallow, stratified impoundments. This model has been verified by data from Lake Chicot in Arkansas. In addition, 3-year data bases of physical, chemical and biological variables have been assembled from Wasp, Three-Mile, and Blue Lakes in Mississippi for further model verification.

11. In a cooperative study with the Wisconsin Department of Natural Resources sediment samples from 3 Wisconsin lakes, Honey, Redstone, and Black Otter, were analyzed for Cesium 137 content. The location of maximum cesium content in the sediment profiles was used to compute apparent sedimentation rates at various locations in the lakes. Data collected in 1964 and 1979 indicate that apparent sedimentation rates in these lakes vary in both time and locations. From 1954 to 1979 computed average annual rates range from .80 cm/yr at sites in Black Otter and Redstone to a maximum of 2.40 cm/yr at sites in Honey and Redstone. These data are providing a data base for management decisions in the operation of these and other lakes.

12. Particle size determinations and CS-137 analyses of 58 soil and sediment profiles from southwestern Wisconsin were completed. An additional 6 profiles from Allerton Lake were analyzed for CS-137. These data were collected for the purpose of evaluating the Cesium-137 method for determine soil erosion. Evaluation and interpretation of these data are incomplete.

13. Field data collection on the Bear Creek, Mississippi project,a cooperative research study with the Vicksburg District, U. S. Army Corps of Engineers, was completed in December,1979. Large amounts of sediment and water quality data have been accumulated during the last 4 years from this 132 mi^2 delta watershed with numerous in-stream and off-stream lakes. Results have been reported quarterly and a final and more detailed report is being prepared. Additional study and evaluation of the data is being done as time permits.

14. Surveys of various components of the Bear Creek aquatic ecosystem were also completed, culminating three years of monthly data collections for major trophic levels. Aquatic life in Bear Creek on all levels has been affected adversely by runoff associated sediments and agricultural chemicals. Monthly collections for plankton showed strong population dependency upon runoff associated nutrients. Benthic production in lakes was usually limited to hardy species, able to cope with the deposited sediment load (up to 7.2 cm/yr). Benthos species diversity was low, indicating heavily stressed community structures. Coliform bacteria counts showed heavy animal and human contamination of the upper portion of the stream system. An aquatic and semi-aquatic plant survey by habitat was also concluded. A one-acre rotenone fish study on Mossy Lake, an off-stream lake, will allow comparisons between in-stream and isolated lakes. Physical and chemical parameters were collected with all samples. Detailed study and analyses of the data remains to be done.

15. In another cooperative study with the U. S. Army Corps of Engineers the collection of sediment and water quality data was continued in 1979 on Lake Chicot in Arkansas. Sediment and chemical loads entering, within, and leaving the lake were monitored on a daily basis. These data were combined with flow data to compute sediment and chemical budgets for the lake. The data are also being used in the verification of mathematical models for predicting sedimentation processes in reservoirs and impoundments.

16. Sampling of ecological parameters (benthos, plankton (nanno-and net), chlorophyll, coliform bacteria) and biochemical oxygen demand in Lake Chicot continued on a four-week basis. A subcontractor (University of Arkansas-Monticello) supplied monthly C-14 primary productivity measurements. Samples from several trophic levels (mainly fish) were analyzed for residual pesticides. Measurements of selected water quality and sediment parameters and flow characteristics were taken on a two week basis to aid in the ecological analysis. Accumulated data suggests a definite relationship between primary production and suspended sediments. Benthic organisms appear to be adversely affected in stream delta regions by deposited sediments. Surveys indicate an extreme imbalance of fish species in the lower lake (which has heavy sediment inflow), but preliminary testing results show residual pesticide levels to be low except for fishes four or five years old. The project is to continue for another year.

17. Three years of runoff, sediment, and toxaphene yield data were summarized for a 15.6-ha Sharkey silty clay watershed in the Mississippi Delta and submitted for publication. This report, which includes information on toxaphene distribution coefficients, concentration frequency distributions, disappearance rates, and mode of transport, will be helpful in calibrating or testing chemical transport models.

18. Research was continued on the washoff of insecticides from plant canopy as functions of rainfall intensity and amount. This study is part of an on-going effort to model the movement of insecticides from plant canopy to soil and the subsequent transport in runoff and sediments.

19. A 250-ft. test channel with a flow capacity of up to 150 cfs. has been equipped for making river-scale studies of sediment transport with better control of the independent variables than can be maintained in actual rivers. Instruments include continuous sediment load measuring devices, and automated depth and bed profile recorders. All data collected will be sent directly from experiment to computer for analysis concurrent with the experiment. Information obtained will be used in establishing better criteria for stable channel designs.

20. A 100-ft. flume with an 18 cfs maximum flow capacity has been equipped for experimenting with alluvial channel resistance coefficients in unsteady flows. The experiments in this flume will be entirely controlled by a totally dedicated computer, which will impose a preprogrammed unsteady flow during an experiment, and concurrently acquire and analyze the data from the experiment. Instrumentation includes depth and discharge controls, and a series of water depth, sand depth, discharge, and temperature measuring instruments.

21. Computer codes have been written to investigate patterns of localized scour around channel transitions. The schemes use known-discharge, finite element techniques and have been used so far to simulate natural backfilling of dredged trenches and flow patterns around confluences of alluvial streams. Results of preliminary validation runs using some available data are satisfactory.

22. A report on stochastic approaches to suspended-sediment transport was prepared for the ASCE Task Committee on Stochastic Hydraulics. A detailed evaluation of existing stochastic techniques for predicting turbulent dispersion of suspended sediment was carried out. The capabilities of these techniques along with their limitations were examined, and suggestions for their extension to complex cases of practical interest were given.

23. Hydraulic-similitude modeling of low-drop channel grade control structures is continuing. A low-drop structure is here defined as one in which the physical drop is equal to or less than the upstream approach specific head. Tests were conducted at flows ranging from 2000 to 4000 cfs (prototype) and in all cases an undulating hydraulic jump

(stationary wave) developed over the drop and persisted on downstream. One method to destroy the stationary wave and its detrimental effects to the downstream channel is to place a vertical baffle plate or pier in the flow. Model tests are being conducted to determine the geometry of the scour hole developed for different sizes of baffle plates and flow rates. A generalized, hydraulic similitude study is in progress to develop generalized design criteria for low-drop channel grade control structures using the baffle plate.

24. Evaluation of the distribution and significance of the valley-fill stratigraphic units has continued. Additional wood samples contained within or at the contacts of the valley-fill units have been collected and dated by ^{14}C analysis. Two dominant modes at circa 10,000 ^{14}C years Before Present (BP) and at circa 1000 ^{14}C years BP contain 42% and 46% of the wood samples, respectively. In addition, five samples form a mode at circa 5000 ^{14}C years BP and four samples have ages greater than 40,000 ^{14}C years BP. The three youngest modes comprise a frequency distribution which is in agreement with Holocene paleoclimatic interpretation. This apparent paleoclimatic control of the valley-fill stratigraphic units enhances the predictive capabilities of the overall bank stability study. The utility of such capabilities is based upon the previously reported association between bank failure mode and valley-fill stratigraphic unit.

25. Photogrammetric interpretation of ASCS aerial photographs has been initiated. Channel widths and depths have been measured for Johnson Creek for the years 1937, 1944, 1957 and 1975. Approximately 8 feet of thalweg lowering have occurred in some reaches since 1944 due primarily to headcut migration, and this amount of bed degradation has caused many, if not most, of the present bank instability problems. Channel widths downstream of the headcut on Johnson Creek are highly variable and were not significantly related to channel depth or to longitudinal location. Channel widths and depths are significantly related upstream of the headcut. These results illustrate the disruptive influence of headcuts on "equilibrium" channelized flow conditions, i.e., headcuts are local areas of excessive energy expenditure which have formed at least partly in response to extrinsic conditions.

26. The interrill erodibilities of seven additional soils were evaluated during 1979, using measurements of soil loss from row sideslopes during simulated rainstorms at four rain intensities. Of the 16 soils studied thus far, erosion rates were the lowest for the well-aggregated, fine-textured soils of the Mississippi Blackland Prairie. The Mississippi Delta silty clay and sandy loam soils were also of low erodibility. The silt loams and another sandy loam were moderately to highly erodible. The interrill erodibilities for soils tested in a bare, worked-up condition have differed by a factor of nearly 7 from the least to the most erodible. The size distributions of eroded sediment have been determined for all soils that were tested during erodibility research. Generally, the sediment from the sandy loam soils was sandy loam sized, though slightly coarser than the primary particles of the

soils. The sediment from the silt loam soils was generally considerably coarser than the primary particles of the soils, though still silt loam sized for all soils except one. However, the sediment from the fine-textured clay and silty clay soils was much coarser in texture than the primary particles of these soils themselves, such that their sediment size distributions were those of sandy clay loams or sandy loams. The sediment from the finest textured soils was almost as coarse as that from the sandy loam soils because so much of it was in the form of large aggregates. Sediment size is a major factor that influences the transportability of eroded sediment, greatly affecting whether it will be transported and how easily it can be trapped by deposition in filter strips or sediment traps.

27. Research was completed on the effect of furrow slope, runoff rate, and sediment size on the capacity of concentrated flow to transport sediment sizes averaging 77, 151, 302, and 603 μm along crop row furrows. For this coarse sediment, nearly a hundred times more sediment could be transported at 1% than at 0.2% slope, nearly a thousand times more at 2½% than at 0.2%, and much over a thousand times at 5% than at 0.2%. As flow rate doubled, transport capacity generally doubled to tripled. Transport capacity increased as sediment size decreased. These results show that the amount of sediment movement on flatland fields will be greatly affected by the sediment size, by the flow rate as influenced by rain intensity and furrow length, and especially by the slope of the furrow along which the runoff is flowing.

28. In situ measurements of hydraulic conductivity were completed on Grenada (fragiudalf) soils. The drainage method for computing conductivities was found to be inadequate for soils with genetic pans or impeding layers. The evaporative method using the zero-flux plane as a lower boundary yielded useful data. Significant differences were noted between in situ measured hydraulic conductivities and those obtained from laboratory analyses using the Brooks-Corey relationships.

29. Construction of supercritical flumes for streamflow/sediment sampling is nearly complete. Nine of fourteen structures are finished with the remaining five in different stages of completion. Installation of instrumentation is underway at the completed sites. The instrumentation/electronics packages being installed include water level recorders for headwater and tailwater depths, a Chickasha pumped sediment sampler, a Dynatrol density cell, a recording raingage, thermistors to measure water, air temperature, and soil temperature. At several sites, ground level raingages are being installed in addition to the regular raingage. A central climatological site in the watershed measures solar radiation, relative humidity, barometric pressure, wind speed and direction, and pan evaporation. The data from most of these sites are transmitted back to a receiving computer at the laboratory by VHF radio telemetry. This gives access to the data on a nearly real time basis. Other data types being collected in the watershed include soil moisture, crop growth data such as canopy height and density, farm pond water levels and channel section profiles. The major use of the data will be

testing a comprehensive sediment transport model under development at the laboratory and reported in another note. Several related projects are also using the data including projects on channel stability, modeling of subsurface movement of water, and development of a crop growth module for use with the erosion model.

30. Several sediment-transport formulas were examined with reference to extensive field and laboratory data. The Yang formula gave the best estimates for streams carrying fine to coarse sands. The Laursen formula worked satisfactorily in small channels carrying silts and very fine sands. The Yalin formula was found adequate to predict capacityof overland flows carrying particles with sizes and densities typical of field situations.

31. A sediment routing model was developed that incorporates the effect of sediment-size gradation on stream carrying capacity and on bed evolution processes. The model permits simulation of bed armoring and streamwise sorting of bed material. Simulations of field data from Pigeon Roost Creek, Mississippi, East Fork River, Wyoming, and San Luis Valley Canal, Colorado, gave satisfactory results.

For additional information contact D.G. DeCoursey at the USDA Sedimentation Laboratory, P.O. Box 1157, Oxford, Mississippi 38655.

MISSOURI

1. Trap efficiency research by the SEA Watershed Research Unit on three central Missouri reservoirs was continued through 1979. This research included the measurement of inflow and outflow of sediment to determine trap efficiency on a storm basis. To improve the quality of water stored in small reservoirs, a bottom-withdrawal spillway is being studied to see what effect it has on the water quality in and downstream from two reservoirs. This spillway is expected to lower the trap efficiency because it eliminates the "dead" storage below the spillway intake which, in turn, reduces the detention time of storm runoff since density currents are discharged as soon as they reach the lowest point in the reservoir. As an example of the effect this spillway has on water quality, the phosphorus discharged from the spillway was compared to that stored in the reservoir. For one reservoir, the ortho-P discharged was 1.5 times greater than that stored, nitrate-N was 1.4 times greater, and ammonium-N was 1.3 times greater. For the other reservoir, ortho-P was 7.4 times greater, nitrate-N was 1.3 times greater, and ammonium-N was 1.9 times greater in the outflow than that stored in the reservoir. Sediment was likewise greater in the outflow than in the stored water. These trends should reduce the problems of sedimentation and eutrophication in reservoirs equipped with the bottom-withdrawal spillway.

For additional information contact Carroll R. Amerman, Watershed Research Unit, 207 Business Loop 70 East, Columbia, Missouri 65201.

NEBRASKA

1. Resurvey of actively eroding channel headscarps (15-20 ft. high) in 20 sq. mile Dry Creek Basin, Frontier & Lincoln Counties, Nebraska show that some have moved upstream more than 1000 feet since 1951, with appreciable channel filling at the original scarp location. Further study of this well-monumented drainage area is expected to yield considerable information on sediment delivery mechanisms and optimum grade control treatments.

For additional information contact Carroll R. Amerman, Watershed Research Unit, 207 Business Loop 70 East, Columbia, Missouri 65201.

NEBRASKA

Research at Lincoln, Nebraska pertinent to research and erosion is conducted on two farms in Stanton County, 100 and 112 miles north of Lincoln. These studies are on Nora and Crofton soils, typical of the lands where undulating topography and slopes are such that terraces cannot be installed and farmed with reasonable effort. Small areas of these lands often contribute major sediment production within a watershed and are of serious continuing concern in the Missouri Valley Loess and Table Land areas.

1. Sediment and water control basins (discontinuous terraces) have been constructed with riser inlets and underground pipe outlets. The basins impound runoff and discharges are controlled through the riser inlets. The basins have selected designs for 2-, 5-, and 10-year frequency storms downslope on each subwatershed drainway. The basins are on terrace spacing and permit parallel row-crop tillage. Runoff in excess of the detention storage and discharge capacity of the underground pipe is discharged as overland flow on the adjacent ridge.

   Each instrumented basins has a water stage recorder to provide a runoff hydrograph of the discharge through a calibrated riser and an orifice plate. Programmed samplers take discrete samples from the pipe discharges at selected time intervals during runoff.

   Construction of some basins were completed in 1978 and the balance in the spring of 1979. Despite soil disturbance and loss of residue by construction which reduce infiltration, no runoff event provided more than half-capacity impoundment in any basin. Some basins have had little impoundment with any event to date. Appreciable transported solids have been found only in samples from the initial discharge and prior to impoundment in the basin. Impoundment permits deposition in the basin. These minimal soil losses on runoff compare with losses of up to 20 tons per acre inch of runoff measured from unprotected drainways in these fields prior to installation of the basins. Added protection from crop residues under conservation tillage is expected to decrease both soil movement and runoff.

   Farmability of the fields have been greatly improved with savings in fuel. Only the backslope of each structure is lost to cultivation and this is offset by the elimination of unneeded waterways.

For additional information contact LaVerne E. Stetson, Agricultural Engineering Department, University of Nebraska, Lincoln, NE 68583.

OHIO REGION

SCIENCE AND EDUCATION ADMINISTRATION

Research Activities at the U. S. Department of Agriculture-SEA-AR in Coshocton, Ohio include the following:

1. Erosion plots have been established at 2 mine sites in Ohio. They are sited on 4 different uniform slopes ranging from 9 to 30 percent. The plot lengths range from about 12 feet to 290 feet. The lengths of the plots are distributed on these slopes with the shorter plots on the steeper slopes. Nine plots have reclamation treatments of mulch rates and depths of topsoil. Data will be collected for practical use to verify and/or improve erosion models for surface mine planning.

2. A flow proportional sampler was developed for use on the erosion plots in item 1. The objectives for development included the necessity for the use of readily available materials and rapid assembly, and a minimum of special efforts to install. The sampler catches all the runoff and diverts the flow on a timed basis. Proportionality is a function of only time. Tests indicate that the sampler is very accurate for the range of flows expected from standard sized plots.

3. Sediment data have been collected for 2 watersheds that have experienced surface mining. Analysis is underway to determine the impacts of mining on sediment yield.

For additional information contact James V. Bonta, U. S. Department of Agriculture-SEA-AR, P. O. Box 478, State Route 621, Coshocton, Ohio 43812.

OKLAHOMA

Research activities at the SOUTHERN PLAINS WATERSHED AND WATER QUALITY LABORATORY, Durant and Chickasha, Oklahoma, include:

1. An investigation of the effects of varying land uses on amount of runoff and sediment discharges. Amounts of runoff and sediment discharges for 1979 are being computed for watersheds at El Reno and Woodward, Oklahoma. At El Reno, eight watersheds were studied. Four watersheds were in wheat, however, severe heat problems precluded grain harvest and they were grazed out. These four watersheds were moldboard plowed in early June. Two watersheds were seeded to sorghum while the other two remained fallow. Sorghum was harvested in mid July for hay. The four other watersheds remained in native grass and were grazed after June 29. One watershed was burned on March 30. Fertilizer, 50 lbs/ac of N, was applied to two watersheds during early April. Grazing was limited on three of the watersheds to maintain high quality forage. Considerable runoff occurred during the year. At Woodward, Oklahoma, four watersheds were continued in range. Two watersheds remained in grass and were grazed at varying rates throughout the year. The other two watersheds were moldboard plowed in June and planted to wheat in early November. At Bushland, Texas, three graded terraced cropped watersheds and two small grass plots were sampled for runoff, sediment yield and water quality.

2. An investigation of the techniques of particle size analysis of watershed soils, material in transport from the watershed, and deposited sediments is being conducted. Particle size analysis of suspended sediment samples from two Fort Reno watersheds indicated that fine particles are aggregated under natural conditions. Particles smaller than 25 microns were aggregated in samples from higher flows with higher sediment concentrations. In lower flows with lower concentrations and generally with finer size distributions, only the particles smaller than 10 microns were aggregated. Aggregation appears to be related to sample concentration and/or particle size distribution. A comparison of methods for deposited sediments (D_{50} = 10 microns or less) is being conducted.

3. An investigation into the methods and procedures to evaluate and develop sediment yield estimates. An average EI distribution curve from 4 raingages on the cropland watersheds was compared to the EI distribution curve in handbook 537. The curves differed by less than 1% for November-February. The curve was higher than the curve in handbook 537 for March-June and was lower for July-October. Maximum difference between the two curves was 13% at the end of May. The change in distribution lowered the C factor 7.5% on the cotton watersheds and 6% on the wheat watersheds. Annual EI for the 10 year period

averaged 205 compared to 240 from handbook 537. The two factors combined resulted in a reduction in estimated erosion of 20% compared to the handbook values.

4. An investigation of radioactive cesium as a possible tool to distinguish sheet and rill erosion from gully erosion was conducted. The results were inconclusive. The cesium content of the suspended sediment from the gully watershed was higher than that from the watershed where sheet and rill erosion dominates even though the reverse was true for the sampled surface soils on the watersheds. If the method is not useable on small size single source watersheds, it probably would not be suitable on larger watersheds with more diverse and complex erosional processes.

5. An investigation of 18 empirical, lumped-parameter sediment yield models for watersheds in the Southern Plains is being conducted. Predictions with these are being compared to measured yield data for the larger Southern Plains watersheds. Comparison of these models may indicate a useable model exists and the study would bring to light pertinent, otherwise overlooked, variables.

6. An investigation of the adoption of a distributed parameter, deterministic watershed sediment yield model for use in the Southern Plains. Reservoir trap efficiencies have been determined on an individual storm basis for a floodwater retarding reservoir having sediment measuring stations on the main inflow channel and the outflow. Trap efficiencies were roughly inversely related to the volume of main channel water inflow and ranged from 100 percent for small inflow events that did not spill to 70 percent for a large flow event.

For additional information contact J. Roger McHenry, Director, USDA-SEA-Southern Plains Watershed and Water Quality Lab, P.O. Box 1430, Durant, OK 74701.

OREGON

Research activities at the Columbia Plateau Conservation Research Center, Pendleton, Oregon include the following:

1. Runoff and soil erosion from a permanent site in a wheat-pea rotation is now in its third season of operation. The site is located nine miles east of the Columbia Plateau Conservation Research Center at an elevation of 2400 feet. Average annual precipitation is approximately 22 inches. The site consists of six plots each 110 X 13.3 feet and associated runoff and sediment sampling equipment and instrumentation. Two of the plots are in permanent fallow, two plots have winter wheat followed by peas or spring wheat and the two remaining plots have peas or spring wheat followed by winter wheat. Tillage and simulated planting operations are made on the fallow plots at the same time they are completed on the plots for the other treatment combinations. Meteorological variables are also recorded continuously at the site. Numerous runoff and erosion events during the 1977-78 and 1979-80 winter seasons. No runoff occurred during the 1978-79 season. Site improvements have been the installation of additional water level recorders on each flume to obtain a better definition of the runoff hydrographs. A shallow seismic survey completed in late summer indicated that one of the important factors in generating surface runoff is the existence of a dense and probably impermeable layer which underlies the site. In addition, variations in seismic velocities in the near surface layer indicate areas of high density and low permeability, which are spatially discontinuous and must also generate surface runoff. Marked color changes, bulk density and texture all three show this layer to occur at 30 to 40 cm. An expanded network of piezometers for monitoring underground flow was installed; the site has been equipped with a standard weather bureau shelter housing a mechanical hygrothermograph and maximum-minimum thermometers.

2. To monitor wintertime soil erosion in the Pacific Northwest, plots must be instrumented after the last fall operation. Such plots must also be set up for servicing from an all weather road. Thus borders must be installed quickly without trampling and vehicular traffic in farm fields. A prototype border planter was developed to be hand carried into the field, easily assembled in field at the top of the plot, and then pulled toward the edge of the field using a winch on a 3/4 ton pickup. The border planter was made to install vinyl impregnanted canvas into which nylon staves were sewn. These borders are light and sturdy, and can be reused. This prototype border machine performed well in dry soil irrespective of residue amounts present; in wet soil only small amounts of surface residue could be negotiated. A second lighter prototype is to be tested for performance in wet soils with large amounts of residue present.

3. A new and different program of soil erosion research in northeastern Oregon was initiated in September of 1979. Fourteen plots, each 3 X 18 meters were installed using the border planter after fall tillage and planting operations were complete at 5 sites. The sites are located in Wasco, Gilliam, Morrow, Sherman, and Umatilla counties, Oregon. All except in Umatilla County were winter wheat after fallow; winter wheat was planted after wheat at this Umatilla County site. These sites represent the variety of physical and climatic variability found on the Columbia Plateau. Each site is instrumented to continuously record air temperature, soil temperature, relative humidity, and precipitation; each plot is equipped with a holding tank containing a water stage recorder so that runoff amounts and rates can be determined. In addition, a frost tube is located at each site and snow water equivalent on each plot is determined each week. After each runoff event water samples are collected from each holding tank and analyzed for sediment concentration. Numerous runoff and erosion events have been observed this year. The plots are removed in April and re-installed at different sites each fall after fall tillage is completed. Preliminary analysis of this years data indicates that frozen soils and snowmelt were causative factors in 12 out of the 15 observed runoff-erosion events. The vinyl impregnated canvas borders performed as well as or better than sheet metal borders used at the permanent erosion site.

For additional information contact John F. Zuzel or R. R. Allmaras, Columbia Plateau Conservation Research Center, USDA-SEA-AR, P. O. Box 370, Pendleton, OR 97801

TEXAS

Research activities at the Grassland, Soil and Water Research Laboratory at Temple, Texas include the following:

1. A new project, Conservation-Tillage Systems for Dryland Crop Production in the Texas Blackland Prairie, was initiated. A new planter was designed, fabricated, and tested by operating in oat stubble, sorghum stubble, cotton stubble, and tilled soil while planting forage sorghum, grain sorghum, cotton, and wheat. Three comparison watersheds which had been treated by preparing flat-topped wide beds were altered by forming ridged wide beds for 1980 corn production. Controlled traffic was used with all wide-bed field operations. Plant populations, surface residue, flow, and sediment were measured for the watersheds. Control of johnsongrass was a problem without fallow tillage. Development was started on a sweep herbicide incorporator and a between-rows rope type herbicide applicator for weed and grass control in residue covered fields.

2. The MUSLE was linked to the CREAMS (Chemical Runoff and Erosion from Agricultural Management Systems) hydrology model option 1 for testing. The runoff-sediment model was applied to 57 basins across the U.S. Basin characteristics, land use, and climatic conditions ranged widely. Some of the input data was estimated because SCS is still assembling land use and soils information for a few of the basins. However, the present results are quite encouraging. The R^2 value obtained by comparing the measured and predicted average annual sediment yields for the 57 basins is 0.83.

3. A model was conceptualized for simulating upland soil erosion. The dynamic model simultaneously solves equations describing detachment by rainfall, and deposition, reentrainment, and degradation by concentrated flow. It allows a detailed description of topography, soils, vegetative cover, crop reside, and conditions caused by tillage. The model is in the early stages of testing. When the model is fully developed it will be combined with a sediment routing model to form an upland-channel erosion sedimentation model. The upland-channel model will be linked to a hydrology-nutrient-crop growth-tillage model for use in evaluating the effects of management strategies and determining soil loss-crop production relationships.

For additional information contact Clarence Richardson, Research Leader, USDA-SEA-AR, Southern Region, P. O. Box 748, Temple, TX 76501

WASHINGTON

The following research is being conducted by the Land Management and Water Conservation Research Unit at Pullman, Washington:

1. A portable, photographically recording rill meter is being used to measure soil loss from rills from selected field sites at the end of the erosion season. The purposes of the study are to determine (1) the effect of slope length and steepness on loss, and (2) the variation of soil loss across the climatic belts of eastern Washington and northern Idaho. The results from this study, initiated in 1973, will be used in developing a second generation adaptation to the Pacific Northwest of the Universal Soil Loss Equation.

2. Runoff plots have been installed on fields in eastern Washington on various crop treatments including conventional, reduced, and no-till seeded winter wheat, and various primary tillages of wheat stubble. The purposes are (1) to determine the effect of crop treatments on (a) runoff, (b) soil loss, and (c) nitrogen and phosphorous in runoff water; (2) determine the effect of slope length on relative magnitudes of sheet and rill erosion; (3) determine the effect of certain conservation practices on runoff and erosion; and (4) determine potential for residue harvesting for biomass conversion processes. Instrumentation includes frost depth meters to determine the effect of crop treatment on frost depth and subsequent runoff and erosion following periods of frozen soil.

3. A crop management factor evaluation model is being developed for use in the adaptation of the Universal Soil Loss Equation to the Pacific Northwest. The model will consider such factors as surface residue, tillage operations, vegetative cover, and soil moisture content prior to and during the winter erosion season.

4. A sediment transport and delivery rate study is being conducted on a 27.1 square mile watershed. A PS-69 automatic pump sampler, located near a USGS gaging station, is used to collect suspended sediment samples. Several channel cross sections are measured before and after the erosion season to estimate the amount of channel aggradation or degradation and are used with upland erosion and valley deposition measurements and estimates to calculate delivery ratio. Data from the study are also being used to determine sampling frequency requirements for streams in agricultural watersheds of the Palouse.

For additional information, contact Donald K. McCool, USDA, SEA, AR, Agricultural Engineering Department, 219 Smith Engineering Building, Wahington State University, Pullman, WA 99164.

Water and Power Resources Service

The regular meeting of the Technical Committee to the Subcommittee on Sedimentation at the St. Anthony Falls Hydraulic Laboratury in St. Paul, Minnesota, was attended. In addition to regular business, the committee examined the first set of data on the Bedload-Sampler Calibration Research.

A representative of the Water and Power Resources Service attended the Spring Meeting of the American Geophysical Union which was held in Washington, D.C., the week of May 28, 1979. This representative also participated at the meeting of the AGU Committee on Erosion and Sedimentation which was held in conjunction with the AGU Spring Meeting.

The Fourth National Hydrotechnical Conference in Vancouver, Canada, was attended. The 2-day technical sessions were highlighted with a 1-day field trip to visit the hydraulic model of the Fraser River in Vancouver, and a river tour of the Lower Fraser River to observe training structures. Exceptional technical papers were presented in the field of sedimentation and river morphology.

A series of four lectures on "Water Related Sediment Problems" was presented to participants in the 1979 Water Systems Management Workshop held in Denver, Colorado, November 4-9, 1979.

A clay erosion test apparatus was designed to be built and used at the Grand Coulee Project to determine critical shear on 0.028 m^3 (1 ft^3) samples of clay. Undisturbed samples considered representative of varved and massive clays will be taken from the bottom of the Columbia River downstream of the dam. Results of the erosion tests will be used to help determine protective requirements for riverbank stabilization.

A 1:48 scale physical model of the combined spillway and outlet basin for Canyon Ferry Dam, Upper Missouri Basin Project, Montana, was used to study backflow of sediment from the river into the basin due to unbalanced flow and turbulence. Procedures for cleaning the basin by flow rather than using heavy equipment were also investigated.

A 1:36 scale model of McPhee Dam, spillway and stilling basin, Dolores River Project, Colorado, was used to study scour in the downstream river during spillway flow flipout.

A representative attended the regular meeting of the Technical Committee to the Subcommittee on Sedimentation in Knoxville, Tennessee. The meeting was highlighted with a 1-day field trip over the TVA coal strip mine reclamation programs near Knoxville.

APPENDIX

This appendix is a computerized index of available sediment data from the National Water Data Exchange (NAWDEX). NAWDEX is an interagency program to facilitate the exchange of water data and to promote the standardization of water-data handling procedures. The participants in the NAWDEX program are those Federal, State, and local governmental organizations, and private organizations that collect and use water data.

NAWDEX maintains a "Master Water Data Index" which is a computerized index of available water data. The index contains information on sites for which water data are available, the location of these sites, the type of site, the data-collection organization, the types of data available, the major water-data parameters for which data are available, the frequency at which these parameters are measured, and the media in which the data are stored.

NAWDEX Definitions

Hydrologic Unit Codes--This an eight-digit numeric code identifying the site's location with reference to the areal definitions shown on the USGS State Hydrologic Unit Maps. The first two digits represent Water Resources Council regions (see Figure 1), the second two digits represent Water Resources Council subregions, the third two digits represent the National Water Data Network accounting units, and the fourth two digits are the cataloging units of the Catalog of Information on Water Data maintained by the Office of Water Data Coordination.

Station Name--The station name is assigned by the participating organization for the sites where it conducts water-data collection activities. It may contain both the name and location of the site.

State--This two-digit number is assigned to those sites which are physically located within the conterminous United States, Alaska, Hawaii, Puerto Rico, and Okinawa. It bears no relationship to the organization or office that is responsible for the operation of the sites (see Table 1).

County--This three-digit number is assigned to those sites which are physically located within a specific county. Census divisions are used, instead of counties, for Alaska (see Table 1).

Site Type--This two-character alphabetic code describes the type of water body subject to hydrologic data collection activities at the site, or the type of data collected at the site.

Code	Meaning
SW-Stream	A body of water flowing in a natural channel as distinct from a canal.
CN-Canal	An artificial waterway designed for navigation or for transporting water for municipal water supply, land irrigation, or drainage.

DR-Drain	A small artificial water-course designed to drain swampy areas or irrigated lands. Theoretically it is actually a small canal, but it is referred to as a "drain" in many localities.
ES-Estuarine Zone or Estuary	The term "estuarine zone" means an environmental system consisting of an estuary and those transitional areas which are consistently influenced or effected by water from an estuary such as, but not limited to, salt marshes, coastal and intertidal areas, bays, harbors, lagoons, onshore water, and channels. The term "estuary" means that part of a river or stream, or other body of water having unimpaired connection with the open sea where the sea water is measurably diluted with fresh water derived from land drainage. The term includes estuary-type areas of the Great Lakes.
SS-Specific Source	An artificial conduit or other conveyance where pollutants are discharged (from factories, sewage treatment plants, etc.) into a water body or aquifer.
OC-Ocean	A site located in any of the world's oceans.

Drainage Area--is the area of the stream at the specific location of the site, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the site; it includes all closed basins, or noncontributing areas, within the total drainage area.

Basin Description--This numeric code may contain up to three digits. It is used to classify conditions in the drainage area of the data collection site. Code "3" (urban) and code "4" (natural) are mutually exclusive; one or the other will always be present but both will never be present for one specific site.

Code	Meaning
1 Regulation	The artificial manipulation of the flow of a stream.
2 Diversion	The taking of significant quantities of water from a stream or other body of water into a canal, pipe, or other conduit.
3 Urban	The situation where streamflow patterns at a site are effected significantly by urban development. The effect is considered to be significant when approximately 20-25 percent or more of the drainage area is covered by a dense road grid (indicating the presence of impermeable surfaces of roads, parking lots, and building roofs).
4 Natural	The opposite of "urban."

QW Begin Year--This four-digit number identifies the calendar year in which the acquisition of water quality data was first begun at a site, regardless of the types of water quality data that were collected. This date will never change even though water quality data collection may be deactivated and reactivated several times during a site's history.

QW End Year--This four-digit number identifies the calendar year in which all water quality data collection activity at a site was discontinued. If at a later date the collection of any of the water quality parameters is resumed, the former end date is deleted.

Data Collection Frequency Codes--These codes indicate the intervals of time for which records of water data are available. The meaning of the codes sited in the table below are self explanatory except for "continuous." Continuous records are those which are based upon recordings of data at intervals of 4 hours or less (6 or more times in a 24-hour period). Continuous records based upon data automatically recorded by a recording instrument are associated with frequency codes "I" or "J," while continuous records based upon manually recorded observations are associated with codes "C" or "D." Data collected at intervals greater than 4 hours but at least once daily fall under the codes designated as "daily." Data collection intervals that actually fall between those listed below are recorded under the next longer frequency.

Meaning	Code Year-Round	Code Seasonal	Code Eliminated[1/]
Continuous-Recorder Instrument	I	J	L
Continuous Nonrecorder	C	D	T
Daily	0	P	2
Weekly	W	X	3
Bi-weekly	F	G	4
Monthly	M	N	5
Bi-monthly	H	K	6
Quarterly	Q	R	7
Semiannual (twice per year)	S		8
Annual (once per year)	A		9
Other Periodic (less often than once per year)	B		
Seasonal (no time period specified)		Y	
Data collected at an irregular or unspecified frequency	Z		
Unique (one-time measurement)	U		
Eliminated Activity	E		

[1/] The Eliminated Frequency Codes may be used to indicate that the collection of data for a single parameter, or data component, has been discontinued at a site and that data were being collected at the frequency indicated at the time of discontinuance.

Organization Code--This code is assigned by the NAWDEX Program Office and is the unique identifier for participating Federal and non-Federal organizations that actively collect and store water data. Non-Federal organizations include State, county, and municipal organizations as well as intergovernmental compacts, private organizations, universities, and any local organizations at other than county or municipal level (see Table 2).

Storage Media--This one-character alphabetic code identifies the type of data storage.

Code	Meaning
P	Published--Includes methods of data dissemination such as documents (work sheets, etc.) which may be copied or communicated over the telephone, as well as formal publications.
C	Computer recognizable format--Includes data stored in digital form in punched paper tapes, punched cards, magnetic tapes, magnetic disks, etc., that potentially can be transmitted to computer terminals and displayed on cathode-ray tube screens, printed out on paper, or copied to another digital recording media.
M	Microfilm--Includes data that has been recorded on microfilm or microfiche.
D	C and P--Computer recognizable format and published.
E	C and M--Computer recognizable format and microform.
F	C, P, and M--Computer recognizable format, published, and microform.
G	M and P--Microform and published.

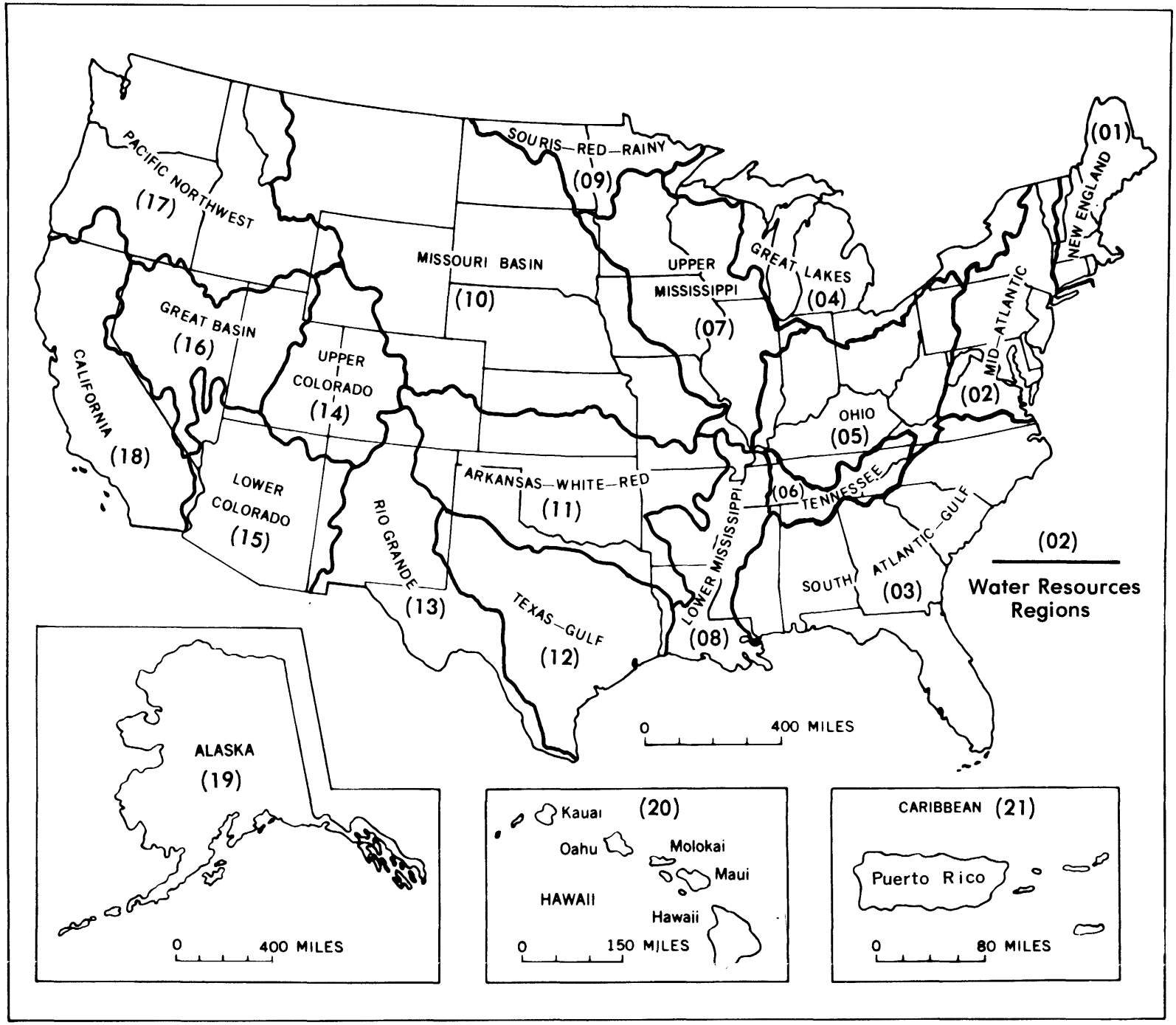

Figure 1.--Water Resources Regions of the United States.

Table 1.—*Code numbers and abbreviations used for States (and other areas) and code numbers used for counties and independent cities*

STATES AND THEIR CODES AND ABBREVIATIONS

	Code	Abbr.		Code	Abbr.		Code	Abbr.		Code	Abbr.		Code	Abbr.
Alabama	01	AL	Hawaii	15	HI	Massachusetts	25	MA	New Mexico	35	NM	South Dakota	46	SD
Alaska	02	AK	Idaho	16	ID	Michigan	26	MI	New York	36	NY	Tennessee	47	TN
Arizona	04	AZ	Illinois	17	IL	Minnesota	27	MN	North Carolina	37	NC	Texas	48	TX
Arkansas	05	AR	Indiana	18	IN	Mississippi	28	MS	North Dakota	38	ND	Utah	49	UT
California	06	CA	Iowa	19	IA	Missouri	29	MO	Ohio	39	OH	Vermont	50	VT
Colorado	08	CO	Kansas	20	KS	Montana	30	MT	Oklahoma	40	OK	Virginia	51	VA
Connecticut	09	CT	Kentucky	21	KY	Nebraska	31	NB	Oregon	41	OR	Washington	53	WA
Delaware	10	DE	Louisiana	22	LA	Nevada	32	NV	Pennsylvania	42	PA	West Virginia	54	WV
District of Columbia	11	DC	Maine	23	ME	New Hampshire	33	NH	Rhode Island	44	RI	Wisconsin	55	WI
Florida	12	FL	Maryland	24	MD	New Jersey	34	NJ	South Carolina	45	SC	Wyoming	56	WY
Georgia	13	GA												

STATES, COUNTIES, AND INDEPENDENT CITIES

[States are arranged alphabetically by their symbols; counties (census divisions) and independent cities are in numerical order within each State]

*Alaska

Con.	
	Alabama
	County
001	Autauga
003	Baldwin
005	Barbour
007	Bibb
009	Blount
011	Bullock
013	Butler
015	Calhoun
017	Chambers
019	Cherokee
021	Chilton
023	Choctaw
025	Clarke
027	Clay
029	Cleburne
031	Coffee
033	Colbert
035	Conecuh
037	Coosa
039	Covington
041	Crenshaw
043	Cullman
045	Dale
047	Dallas
049	De Kalb
051	Elmore
053	Escambia
055	Etowah
057	Fayette
059	Franklin
061	Geneva
063	Greene
065	Hale
067	Henry
069	Houston
071	Jackson
073	Jefferson
075	Lamar
077	Lauderdale
079	Lawrence
081	Lee
083	Limestone
085	Lowndes
087	Macon
089	Madison
091	Marengo
093	Marion
095	Marshall
097	Mobile
099	Monroe
101	Montgomery
103	Morgan
105	Perry
107	Pickens
109	Pike
111	Randolph
113	Russell
115	St. Clair
117	Shelby
119	Sumter
121	Talladega
123	Tallapoosa
125	Tuscaloosa
127	Walker
129	Washington
131	Wilcox
133	Winston

Con.	
	Arkansas
	County
001	Arkansas
003	Ashley
005	Baxter
007	Benton
009	Boone
011	Bradley
013	Calhoun
015	Carroll
017	Chicot
019	Clark
021	Clay
023	Cleburne
025	Cleveland
027	Columbia
029	Conway
031	Craighead
033	Crawford
035	Crittenden
037	Cross
039	Dallas
041	Desha
043	Drew
045	Faulkner
047	Franklin
049	Fulton
051	Garland
053	Grant
055	Greene
057	Hempstead
059	Hot Spring
061	Howard
063	Independence
065	Izard
067	Jackson
069	Jefferson
071	Johnson
073	Lafayette
075	Lawrence
077	Lee
079	Lincoln
081	Little River
083	Logan
085	Lonoke
087	Madison
089	Marion
091	Miller
093	Mississippi
095	Monroe
097	Montgomery
099	Nevada
101	Newton
103	Ouachita
105	Perry
107	Phillips
109	Pike
111	Poinsett
113	Polk
115	Pope
117	Prairie
119	Pulaski
121	Randolph
123	St. Francis
125	Saline
127	Scott
129	Searcy
131	Sebastian
133	Sevier
135	Sharp
137	Stone
139	Union
141	Van Buren
143	Washington
145	White
147	Woodruff
149	Yell

Con.	
	Arizona
	County
001	Apache
003	Cochise
005	Coconino
007	Gila
009	Graham
011	Greenlee
013	Maricopa
015	Mohave
017	Navajo
019	Pima
021	Pinal
023	Santa Cruz
025	Yavapai
027	Yuma

Con.	
	California
	County
001	Alameda
003	Alpine
005	Amador
007	Butte
009	Calaveras
011	Colusa
013	Contra Costa
015	Del Norte
017	El Dorado
019	Fresno
021	Glenn
023	Humboldt
025	Imperial
027	Inyo
029	Kern
031	Kings
033	Lake
035	Lassen
037	Los Angeles
039	Madera
041	Marin
043	Mariposa
045	Mendocino
047	Merced
049	Modoc
051	Mono
053	Monterey
055	Napa
057	Nevada
059	Orange
061	Placer
063	Plumas
065	Riverside
067	Sacramento
069	San Benito
071	San Bernardino
073	San Diego
075	San Francisco
077	San Joaquin
079	San Luis Obispo
081	San Mateo
083	Santa Barbara
085	Santa Clara
087	Santa Cruz
089	Shasta
091	Sierra
093	Siskiyou
095	Solano
097	Sonoma
099	Stanislaus
101	Sutter
103	Tehama
105	Trinity
107	Tulare
109	Tuolumne
111	Ventura
113	Yolo
115	Yuba

Con.	
	Colorado
	County
001	Adams
003	Alamosa
005	Arapahoe
007	Archuleta
009	Baca
011	Bent
013	Boulder
015	Chaffee
017	Cheyenne
019	Clear Creek
021	Conejos
023	Costilla
025	Crowley
027	Custer
029	Delta
031	Denver
033	Dolores
035	Douglas
037	Eagle
039	Elbert
041	El Paso
043	Fremont
045	Garfield
047	Gilpin
049	Grand
051	Gunnison
053	Hinsdale
055	Huerfano
057	Jackson
059	Jefferson
061	Kiowa
063	Kit Carson
065	Lake
067	La Plata
069	Larimer
071	Las Animas
073	Lincoln
075	Logan
077	Mesa
079	Mineral
081	Moffat
083	Montezuma
085	Montrose
087	Morgan
089	Otero
091	Ouray
093	Park
095	Phillips
097	Pitkin
099	Prowers
101	Pueblo
103	Rio Blanco
105	Rio Grande
107	Routt
109	Saguache
111	San Juan
113	San Miguel
115	Sedgwick
117	Summit
119	Teller
121	Washington
123	Weld
125	Yuma

Con.	
	Connecticut
	County
001	Fairfield
003	Hartford
005	Litchfield
007	Middlesex
009	New Haven
011	New London
013	Tolland
015	Windham

Con.	
	District of Columbia
001	Washington

Con.	
	Delaware
	County
001	Kent
003	New Castle
005	Sussex

Con.	
	Florida
	County
001	Alachua
003	Baker
005	Bay
007	Bradford
009	Brevard
011	Broward
013	Calhoun
015	Charlotte
017	Citrus
019	Clay
021	Collier
023	Columbia
025	Dade
027	De Soto
029	Dixie
031	Duval
033	Escambia
035	Flagler
037	Franklin
039	Gadsden
041	Gilchrist
043	Glades
045	Gulf
047	Hamilton
049	Hardee
051	Hendry
053	Hernando
055	Highlands
057	Hillsborough
059	Holmes
061	Indian River
063	Jackson
065	Jefferson
067	Lafayette
069	Lake
071	Lee
073	Leon
075	Levy
077	Liberty
079	Madison
081	Manatee
083	Marion
085	Martin
087	Monroe
089	Nassau
091	Okaloosa
093	Okeechobee
095	Orange
097	Osceola
099	Palm Beach
101	Pasco
103	Pinellas
105	Polk
107	Putnam
109	St. Johns
111	St. Lucie
113	Santa Rosa
115	Sarasota
117	Seminole
119	Sumter
121	Suwannee
123	Taylor
125	Union
127	Volusia
129	Wakulla
131	Walton
133	Washington

Con.	
	Georgia
	County
001	Appling
003	Atkinson
005	Bacon
007	Baker
009	Baldwin

*At end of State listings.

Table 1.—*Code numbers and abbreviations used for States (and other areas) and code numbers used for counties and independent cities* – Cont.

STATES, COUNTIES, AND INDEPENDENT CITIES—Continued

Con.		Con.		Con.		Con.		Con.		Con.	
053	Ellsworth	021	Boyle	205	Rowan	009	Essex	065	Ingham	077	Lake of the Woods
055	Finney	023	Bracken	207	Russell	011	Franklin	067	Ionia	079	Le Sueur
057	Ford	025	Breathitt	209	Scott	013	Hampden	069	Iosco	081	Lincoln
059	Franklin	027	Breckinridge	211	Shelby	015	Hampshire	071	Iron	083	Lyon
061	Geary	029	Bullitt	213	Simpson	017	Middlesex	073	Isabella	085	McLeod
063	Gove	031	Butler	215	Spencer	019	Nantucket	075	Jackson	087	Mahnomen
065	Graham	033	Caldwell	217	Taylor	021	Norfolk	077	Kalamazoo	089	Marshall
067	Grant	035	Calloway	219	Todd	023	Plymouth	079	Kalkaska	091	Martin
069	Gray	037	Campbell	221	Trigg	025	Suffolk	081	Kent	093	Meeker
071	Greeley	039	Carlisle	223	Trimble	027	Worcester	083	Keweenaw	095	Mille Lacs
073	Greenwood	041	Carroll	225	Union			085	Lake	097	Morrison
075	Hamilton	043	Carter	227	Warren		*Maryland*	087	Lapeer	099	Mower
077	Harper	045	Casey	229	Washington		*County*	089	Leelanau	101	Murray
079	Harvey	047	Christian	231	Wayne	001	Allegany	091	Lenawee	103	Nicollet
081	Haskell	049	Clark	233	Webster	003	Anne Arundel	093	Livingston	105	Nobles
083	Hodgeman	051	Clay	235	Whitley	005	Baltimore	095	Luce	107	Norman
085	Jackson	053	Clinton	237	Wolfe	009	Calvert	097	Mackinac	109	Olmsted
087	Jefferson	055	Crittenden	239	Woodford	011	Caroline	099	Macomb	111	Otter Tail
089	Jewell	057	Cumberland			013	Carroll	101	Manistee	113	Pennington
091	Johnson	059	Daviess		*Louisiana*	015	Cecil	103	Marquette	115	Pine
093	Kearny	061	Edmonson		*County*	017	Charles	105	Mason	117	Pipestone
095	Kingman	063	Elliott	001	Acadia	019	Dorchester	107	Mecosta	119	Polk
097	Kiowa	065	Estill	003	Allen	021	Frederick	109	Menominee	121	Pope
099	Labette	067	Fayette	005	Ascension	023	Garrett	111	Midland	123	Ramsey
101	Lane	069	Fleming	007	Assumption	015	Harford	113	Missaukee	125	Red Lake
103	Leavenworth	071	Floyd	009	Avoyelles	027	Howard	115	Monroe	127	Redwood
105	Lincoln	073	Franklin	011	Beauregard	029	Kent	117	Montcalm	129	Renville
107	Linn	075	Fulton	013	Bienville	031	Montgomery	119	Montmorency	131	Rice
109	Logan	077	Gallatin	015	Bossier	033	Prince Georges	121	Muskegon	133	Rock
111	Lyon	079	Garrard	017	Caddo	035	Queen Annes	123	Newaygo	135	Roseau
113	McPherson	081	Grant	019	Calcasieu	037	St. Marys	125	Oakland	137	St. Louis
115	Marion	083	Graves	021	Caldwell	039	Somerset	127	Oceana	139	Scott
117	Marshall	085	Grayson	023	Cameron	041	Talbot	129	Ogemaw	141	Sherburne
119	Meade	087	Green	025	Catahoula	043	Washington	131	Ontonagon	143	Sibley
121	Miami	089	Greenup	027	Claibourne	045	Wicomico	133	Osceola	145	Stearns
123	Mitchell	091	Hancock	029	Concordia	047	Worcester	135	Oscoda	147	Steele
125	Montgomery	093	Hardin	031	De Soto		*Independent City*	137	Otsego	149	Stevens
127	Morris	095	Harlan	033	East Baton Rouge	510	Baltimore City	139	Ottawa	151	Swift
129	Morton	097	Harrison	035	East Carroll			141	Presque Isle	153	Todd
131	Nemaha	099	Hart	037	East Feliciana		*Maine*	143	Roscommon	155	Traverse
133	Neosho	101	Henderson	039	Evangeline		*County*	145	Saginaw	157	Wabasha
135	Ness	103	Henry	041	Franklin	001	Androscoggin	147	St. Clair	159	Wadena
137	Norton	105	Hickman	043	Grant	003	Aroostook	149	St. Joseph	161	Waseca
139	Osage	107	Hopkins	045	Iberia	005	Cumberland	151	Sanilac	163	Washington
141	Osborne	109	Jackson	047	Iberville	007	Franklin	153	Schoolcraft	165	Watonwan
143	Ottawa	111	Jefferson	049	Jackson	009	Hancock	155	Shiawassee	167	Wilkin
145	Pawnee	113	Jessamine	051	Jefferson	011	Kennebec	157	Tuscola	169	Winona
147	Phillips	115	Johnson	053	Jefferson Davis	013	Knox	159	Van Buren	171	Wright
149	Pottawatomie	117	Kenton	055	Lafayette	015	Lincoln	161	Washtenaw	173	Yellow Medicine
151	Pratt	119	Knott	057	Lafourche	017	Oxford	163	Wayne		
153	Rawlins	121	Knox	059	La Salle	019	Penobscot	165	Wexford		*Missouri*
155	Reno	123	Larue	061	Lincoln	021	Piscataquis				*County*
157	Republic	125	Laurel	063	Livingston	023	Sagadahoc		*Minnesota*	001	Adair
159	Rice	127	Lawrence	065	Madison	025	Somerset		*County*	003	Andrew
161	Riley	129	Lee	067	Morehouse	027	Waldo	001	Aitkin	005	Atchison
163	Rooks	131	Leslie	069	Natchitoches	029	Washington	003	Anoka	007	Audrain
165	Rush	133	Letcher	071	Orleans	031	York	005	Becker	009	Barry
167	Russell	135	Lewis	073	Ouachita			007	Beltrami	011	Barton
169	Saline	137	Lincoln	075	Plaquemines		*Michigan*	009	Benton	013	Bates
171	Scott	139	Livingston	077	Pointe Coupee		*County*	011	Big Stone	015	Benton
173	Sedgwick	141	Logan	079	Rapides	001	Alcona	013	Blue Earth	017	Bollinger
175	Seward	143	Lyon	081	Red River	003	Alger	015	Brown	019	Boone
177	Shawnee	145	McCracken	083	Richland	005	Allegan	017	Carlton	021	Buchanan
179	Sheridan	147	McCreary	085	Sabine	007	Alpena	019	Carver	023	Butler
181	Sherman	149	McLean	087	St. Bernard	009	Antrim	021	Cass	025	Caldwell
183	Smith	151	Madison	089	St. Charles	011	Arenac	023	Chippewa	027	Callaway
185	Stafford	153	Magoffin	091	St. Helena	013	Baraga	025	Chisago	029	Camden
187	Stanton	155	Marion	093	St. James	015	Barry	027	Clay	031	Cape Girardeau
189	Stevens	157	Marshall	095	St. John The Baptist	017	Bay	029	Clearwater	033	Carroll
191	Sumner	159	Martin	097	St. Landry	019	Benzie	031	Cook	035	Carter
193	Thomas	161	Mason	099	St. Martin	021	Berrien	033	Cottonwood	037	Cass
195	Trego	163	Meade	101	St. Mary	023	Branch	035	Crow Wing	039	Cedar
197	Wabaunsee	165	Menifee	103	St. Tammany	025	Calhoun	037	Dakota	041	Chariton
199	Wallace	167	Mercer	105	Tangipahoa	027	Cass	039	Dodge	043	Christian
201	Washington	169	Metcalfe	107	Tensas	029	Charlevoix	041	Douglas	045	Clark
203	Wichita	171	Monroe	109	Terrebonne	031	Cheboygan	043	Faribault	047	Clay
205	Wilson	173	Montgomery	111	Union	033	Chippewa	045	Fillmore	049	Clinton
207	Woodson	175	Morgan	113	Vermilion	035	Clare	047	Freeborn	051	Cole
209	Wyandotte	177	Muhlenberg	115	Vernon	037	Clinton	049	Goodhue	053	Cooper
		179	Nelson	117	Washington	039	Crawford	051	Grant	055	Crawford
	Kentucky	181	Nicholas	119	Webster	041	Delta	053	Hennepin	057	Dade
	County	183	Ohio	121	West Baton Rouge	043	Dickinson	055	Houston	059	Dallas
001	Adair	185	Oldham	123	West Carroll	045	Eaton	057	Hubbard	061	Daviess
003	Allen	187	Owen	125	West Feliciana	047	Emmet	059	Isanti	063	De Kalb
005	Anderson	189	Owsley	127	Winn	049	Genesee	061	Itasca	065	Dent
007	Ballard	191	Pendleton			051	Gladwin	063	Jackson	067	Douglas
009	Barren	193	Perry		*Massachusetts*	053	Gogebic	065	Kanabec	069	Dunklin
011	Bath	195	Pike		*County*	055	Grand Traverse	067	Kandiyohi	071	Franklin
013	Bell	197	Powell	001	Barnstable	057	Gratiot	069	Kittson	073	Gasconade
015	Boone	199	Pulaski	003	Berkshire	059	Hillsdale	071	Koochiching	075	Gentry
017	Bourbon	201	Robertson	005	Bristol	061	Houghton	073	Lac Qui Parle	077	Greene
019	Boyd	203	Rockcastle	007	Dukes	063	Huron	075	Lake	079	Grundy

Table 1.—*Code numbers and abbreviations used for States (and other areas) and code numbers used for counties and independent cities* – Cont.

STATES, COUNTIES, AND INDEPENDENT CITIES–Continued

Con.	
011	Banks
013	Barrow
015	Bartow
017	Ben Hill
019	Berrien
021	Bibb
023	Bleckley
025	Brantley
027	Brooks
029	Bryan
031	Bulloch
033	Burke
035	Butts
037	Calhoun
039	Camden
043	Candler
045	Carroll
047	Catoosa
049	Charlton
051	Chatham
053	Chattahoochee
055	Chattooga
057	Cherokee
059	Clarke
061	Clay
063	Clayton
065	Clinch
067	Cobb
069	Coffee
071	Colquitt
073	Columbia
075	Cook
077	Coweta
079	Crawford
081	Crisp
083	Dade
085	Dawson
087	Decatur
089	De Kalb
091	Dodge
093	Dooly
095	Dougherty
097	Douglas
099	Early
101	Echols
103	Effingham
105	Elbert
107	Emanuel
109	Evans
111	Fannin
113	Fayette
115	Floyd
117	Forsyth
119	Franklin
121	Fulton
123	Gilmer
125	Glascock
127	Glynn
129	Gordon
131	Grady
133	Greene
135	Gwinnett
137	Habersham
139	Hall
141	Hancock
143	Haralson
145	Harris
147	Hart
149	Heard
151	Henry
153	Houston
155	Irwin
157	Jackson
159	Jasper
161	Jeff Davis
163	Jefferson
165	Jenkins
167	Johnson
169	Jones
171	Lamar
173	Lanier
175	Laurens
177	Lee
179	Liberty
181	Lincoln
183	Long
185	Lowndes
187	Lumpkin
189	McDuffie
191	McIntosh

Con.	
193	Macon
195	Madison
197	Marion
199	Meriwether
201	Miller
205	Mitchell
207	Monroe
209	Montgomery
211	Morgan
213	Murray
215	Muscogee
217	Newton
219	Oconee
221	Oglethorpe
223	Paulding
225	Peach
227	Pickens
229	Pierce
231	Pike
233	Polk
235	Pulaski
237	Putnam
239	Quitman
241	Rabun
243	Randolph
245	Richmond
247	Rockdale
249	Schley
251	Screven
253	Seminole
255	Spalding
257	Stephens
259	Stewart
261	Sumter
263	Talbot
265	Taliaferro
267	Tattnall
269	Taylor
271	Telfair
273	Terrell
275	Thomas
277	Tift
279	Toombs
281	Towns
283	Treutlen
285	Troup
287	Turner
289	Twiggs
291	Union
293	Upson
295	Walker
297	Walton
299	Ware
301	Warren
303	Washington
305	Wayne
307	Webster
309	Wheeler
311	White
313	Whitfield
315	Wilcox
317	Wilkes
319	Wilkinson
321	Worth
	Hawaii
	County
001	Hawaii
003	Honolulu
005	Kalawao
007	Kauai
009	Maui
	Iowa
	County
001	Adair
003	Adams
005	Allamakee
007	Appanoose
009	Audubon
011	Benton
013	Black Hawk
015	Boone
017	Bremer
019	Buchanan
021	Buena Vista
023	Butler
025	Calhoun
027	Carroll
029	Cass

Con.	
031	Cedar
033	Cerro Gordo
035	Cherokee
037	Chickasaw
039	Clarke
041	Clay
043	Clayton
045	Clinton
047	Crawford
049	Dallas
051	Davis
053	Decatur
055	Delaware
057	Des Moines
059	Dickinson
061	Dubuque
063	Emmet
065	Fayette
067	Floyd
069	Franklin
071	Fremont
073	Greene
075	Grundy
077	Guthrie
079	Hamilton
081	Hancock
083	Hardin
085	Harrison
087	Henry
089	Howard
091	Humboldt
093	Ida
095	Iowa
097	Jackson
099	Jasper
101	Jefferson
103	Johnson
105	Jones
107	Keokuk
109	Kossuth
111	Lee
113	Linn
115	Louisa
117	Lucas
119	Lyon
121	Madison
123	Mahaska
125	Marion
127	Marshall
129	Mills
131	Mitchell
133	Monona
135	Monroe
137	Montgomery
139	Muscatine
141	O'Brien
143	Osceola
145	Page
147	Palo Alto
149	Plymouth
151	Pocahontas
153	Polk
155	Pottawattamie
157	Poweshiek
159	Ringgold
161	Sac
163	Scott
165	Shelby
167	Sioux
169	Story
171	Tama
173	Taylor
175	Union
177	Van Buren
179	Wapello
181	Warren
183	Washington
185	Wayne
187	Webster
189	Winnebago
191	Winneshiek
193	Woodbury
195	Worth
197	Wright
	Idaho
	County
001	Ada
003	Adams
005	Bannock

Con.	
007	Bear Lake
009	Benewah
011	Bingham
013	Blaine
015	Boise
017	Bonner
019	Bonneville
021	Boundary
023	Butte
025	Camas
027	Canyon
029	Caribou
031	Cassia
033	Clark
035	Clearwater
037	Custer
039	Elmore
041	Franklin
043	Fremont
045	Gem
047	Gooding
049	Idaho
051	Jefferson
053	Jerome
055	Kootenai
057	Latah
059	Lemhi
061	Lewis
063	Lincoln
065	Madison
067	Minidoka
069	Nez Perce
071	Oneida
073	Owyhee
075	Payette
077	Power
079	Shoshone
081	Teton
083	Twin Falls
085	Valley
087	Washington
	Illinois
	County
001	Adams
003	Alexander
005	Bond
007	Boone
009	Brown
011	Bureau
013	Calhoun
015	Carroll
017	Cass
019	Champaign
021	Christian
023	Clark
025	Clay
027	Clinton
029	Coles
031	Cook
033	Crawford
035	Cumberland
037	De Kalb
039	De Witt
041	Douglas
043	Du Page
045	Edgar
047	Edwards
049	Effingham
051	Fayette
053	Ford
055	Franklin
057	Fulton
059	Gallatin
061	Greene
063	Grundy
065	Hamilton
067	Hancock
069	Hardin
071	Henderson
073	Henry
075	Iroquois
077	Jackson
079	Jasper
081	Jefferson
083	Jersey
085	Jo Daviess
087	Johnson
089	Kane
091	Kankakee

Con.	
093	Kendall
095	Knox
097	Lake
099	La Salle
101	Lawrence
103	Lee
105	Livingston
107	Logan
109	McDonough
111	McHenry
113	McLean
115	Macon
117	Macoupin
119	Madison
121	Marion
123	Marshall
125	Mason
127	Massac
129	Menard
131	Mercer
133	Monroe
135	Montgomery
137	Morgan
139	Moultrie
141	Ogle
143	Peoria
145	Perry
147	Piatt
149	Pike
151	Pope
153	Pulaski
155	Putnam
157	Randolph
159	Richland
161	Rock Island
163	St. Clair
165	Saline
167	Sangamon
169	Schuyler
171	Scott
173	Shelby
175	Stark
177	Stephenson
179	Tazewell
181	Union
183	Vermilion
185	Wabash
187	Warren
189	Washington
191	Wayne
193	White
195	Whiteside
197	Will
199	Williamson
201	Winnebago
203	Woodford
	Indiana
	County
001	Adams
003	Allen
005	Bartholomew
007	Benton
009	Blackford
011	Boone
013	Brown
015	Carroll
017	Cass
019	Clark
021	Clay
023	Clinton
025	Crawford
027	Daviess
029	Dearborn
031	Decatur
033	De Kalb
035	Delaware
037	Dubois
039	Elkhart
041	Fayette
043	Floyd
045	Fountain
047	Franklin
049	Fulton
051	Gibson
053	Grant
055	Greene
057	Hamilton
059	Hancock
061	Harrison

Con.	
063	Hendricks
065	Henry
067	Howard
069	Huntington
071	Jackson
073	Jasper
075	Jay
077	Jefferson
079	Jennings
081	Johnson
083	Knox
085	Kosciusko
087	Lagrange
089	Lake
091	La Porte
093	Lawrence
095	Madison
097	Marion
099	Marshall
101	Martin
103	Miami
105	Monroe
107	Montgomery
109	Morgan
111	Newton
113	Noble
115	Ohio
117	Orange
119	Owen
121	Parke
123	Perry
125	Pike
127	Porter
129	Posey
131	Pulaski
133	Putnam
135	Randolph
137	Ripley
139	Rush
141	St. Joseph
143	Scott
145	Shelby
147	Spencer
149	Starke
151	Steuben
153	Sullivan
155	Switzerland
157	Tippecanoe
159	Tipton
161	Union
163	Vanderburgh
165	Vermillion
167	Vigo
169	Wabash
171	Warren
173	Warrick
175	Washington
177	Wayne
179	Wells
181	White
183	Whitley
	Kansas
	County
001	Allen
003	Anderson
005	Atchison
007	Barber
009	Barton
011	Bourbon
013	Brown
015	Butler
017	Chase
019	Chautauqua
021	Cherokee
023	Cheyenne
025	Clark
027	Clay
029	Cloud
031	Coffey
033	Comanche
035	Cowley
037	Crawford
039	Decatur
041	Dickinson
043	Doniphan
045	Douglas
047	Edwards
049	Elk
051	Ellis

Table 1.—*Code numbers and abbreviations used for States (and other areas) and code numbers used for counties and independent cities* – Cont.

STATES, COUNTIES, AND INDEPENDENT CITIES—Continued

Con.	
081	Harrison
083	Henry
085	Hickory
087	Holt
089	Howard
091	Howell
093	Iron
095	Jackson
097	Jasper
099	Jefferson
101	Johnson
103	Knox
105	Laclede
107	Lafayette
109	Lawrence
111	Lewis
113	Lincoln
115	Linn
117	Livingston
119	McDonald
121	Macon
123	Madison
125	Maries
127	Marion
129	Mercer
131	Miller
133	Mississippi
135	Moniteau
137	Monroe
139	Montgomery
141	Morgan
143	New Madrid
145	Newton
147	Nodaway
149	Oregon
151	Osage
153	Ozark
155	Pemiscot
157	Perry
159	Pettis
161	Phelps
163	Pike
165	Platte
167	Polk
169	Pulaski
171	Putnam
173	Ralls
175	Randolph
177	Ray
179	Reynolds
181	Ripley
183	St. Charles
185	St. Clair
187	St. Francois
189	St. Louis
193	Ste Genevieve
195	Saline
197	Schuyler
199	Scotland
201	Scott
203	Shannon
205	Shelby
207	Stoddard
209	Stone
211	Sullivan
213	Taney
215	Texas
217	Vernon
219	Warren
221	Washington
223	Wayne
225	Webster
227	Worth
229	Wright
	Independent City
510	St. Louis City
	Mississippi
	County
001	Adams
003	Alcorn
005	Amite
007	Attala
009	Benton
011	Bolivar
013	Calhoun
015	Carroll
017	Chickasaw
019	Choctaw
021	Claiborne
023	Clarke
025	Clay

Con.	
027	Coahoma
029	Copiah
031	Covington
033	De Soto
035	Forrest
037	Franklin
039	George
041	Greene
043	Grenada
045	Hancock
047	Harrison
049	Hinds
051	Holmes
053	Humphreys
055	Issequena
057	Itawamba
059	Jackson
061	Jasper
063	Jefferson
065	Jefferson Davis
067	Jones
069	Kemper
071	Lafayette
073	Lamar
075	Lauderdale
077	Lawrence
079	Leake
081	Lee
083	Leflore
085	Lincoln
087	Lowndes
089	Madison
091	Marion
093	Marshall
095	Monroe
097	Montgomery
099	Neshoba
101	Newton
103	Noxubee
105	Oktibbeha
107	Panola
109	Pearl River
111	Perry
113	Pike
115	Pontotoc
117	Prentiss
119	Quitman
121	Rankin
123	Scott
125	Sharkey
127	Simpson
129	Smith
131	Stone
133	Sunflower
135	Tallahatchie
137	Tate
139	Tippah
141	Tishomingo
143	Tunica
145	Union
147	Walthall
149	Warren
151	Washington
153	Wayne
155	Webster
157	Wilkinson
159	Winston
161	Yalobusha
163	Yazoo
	Montana
	County
001	Beaverhead
003	Big Horn
005	Blaine
007	Broadwater
009	Carbon
011	Carter
013	Cascade
015	Chouteau
017	Custer
019	Daniels
021	Dawson
023	Deer Lodge
025	Fallon
027	Fergus
029	Flathead
031	Gallatin
033	Garfield
035	Glacier
037	Golden Valley
039	Granite

Con.	
041	Hill
043	Jefferson
045	Judith Basin
047	Lake
049	Lewis and Clark
051	Liberty
053	Lincoln
055	McCone
057	Madison
059	Meagher
061	Mineral
063	Missoula
065	Musselshell
067	Park
069	Petroleum
071	Phillips
073	Pondera
075	Powder River
077	Powell
079	Prairie
081	Ravalli
083	Richland
085	Roosevelt
087	Rosebud
089	Sanders
091	Sheridan
093	Silver Bow
095	Stillwater
097	Sweet Grass
099	Teton
101	Toole
103	Treasure
105	Valley
107	Wheatland
109	Wibaux
111	Yellowstone
113	Yellowstone Natl Park—Part
	Nebraska
	County
001	Adams
003	Antelope
005	Arthur
007	Banner
009	Blaine
011	Boone
013	Box Butte
015	Boyd
017	Brown
019	Buffalo
021	Burt
023	Butler
025	Cass
027	Cedar
029	Chase
031	Cherry
033	Cheyenne
035	Clay
037	Colfax
039	Cuming
041	Custer
043	Dakota
045	Dawes
047	Dawson
049	Deuel
051	Dixon
053	Dodge
055	Douglas
057	Dundy
059	Fillmore
061	Franklin
063	Frontier
065	Furnas
067	Gage
069	Garden
071	Garfield
073	Gosper
075	Grant
077	Greeley
079	Hall
081	Hamilton
083	Harlan
085	Hayes
087	Hitchcock
089	Holt
091	Hooker
093	Howard
095	Jefferson
097	Johnson
099	Kearney
101	Keith

Con.	
103	Keya Paha
105	Kimball
107	Knox
109	Lancaster
111	Lincoln
113	Logan
115	Loup
117	McPherson
119	Madison
121	Merrick
123	Morrill
125	Nance
127	Nemaha
129	Nuckolls
131	Otoe
133	Pawnee
135	Perkins
137	Phelps
139	Pierce
141	Platte
143	Polk
145	Red Willow
147	Richardson
149	Rock
151	Saline
153	Sarpy
155	Saunders
157	Scotts Bluff
159	Seward
161	Sheridan
163	Sherman
165	Sioux
167	Stanton
169	Thayer
171	Thomas
173	Thurston
175	Valley
177	Washington
179	Wayne
181	Webster
183	Wheeler
185	York
	North Carolina
	County
001	Alamance
003	Alexander
005	Alleghany
007	Anson
009	Ashe
011	Avery
013	Beaufort
015	Bertie
017	Bladen
019	Brunswick
021	Buncombe
023	Burke
025	Cabarrus
027	Caldwell
029	Camden
031	Carteret
033	Caswell
035	Catawba
037	Chatham
039	Cherokee
041	Chowan
043	Clay
045	Cleveland
047	Columbus
049	Craven
051	Cumberland
053	Currituck
055	Dare
057	Davidson
059	Davie
061	Duplin
063	Durham
065	Edgecombe
067	Forsyth
069	Franklin
071	Gaston
073	Gates
075	Graham
077	Granville
079	Greene
081	Guilford
083	Halifax
085	Harnett
087	Haywood
089	Henderson
091	Hertford
093	Hoke

Con.	
095	Hyde
097	Iredell
099	Jackson
101	Johnston
103	Jones
105	Lee
107	Lenoir
109	Lincoln
111	McDowell
113	Macon
115	Madison
117	Martin
119	Mecklenburg
121	Mitchell
123	Montgomery
125	Moore
127	Nash
129	New Hanover
131	Northampton
133	Onslow
135	Orange
137	Pamlico
139	Pasquotank
141	Pender
143	Perquimans
145	Person
147	Pitt
149	Polk
151	Randolph
153	Richmond
155	Robeson
157	Rockingham
159	Rowan
161	Rutherford
163	Sampson
165	Scotland
167	Stanly
169	Stokes
171	Surry
173	Swain
175	Transylvania
177	Tyrrell
179	Union
181	Vance
183	Wake
185	Warren
187	Washington
189	Watauga
191	Wayne
193	Wilkes
195	Wilson
197	Yadkin
199	Yancey
	North Dakota
	County
001	Adams
003	Barnes
005	Benson
007	Billings
009	Bottineau
011	Bowman
013	Burke
015	Burleigh
017	Cass
019	Cavalier
021	Dickey
023	Divide
025	Dunn
027	Eddy
029	Emmons
033	Golden Valley
035	Grand Forks
037	Grant
039	Griggs
041	Hettinger
043	Kidder
045	La Moure
047	Logan
049	McHenry
051	McIntosh
053	McKenzie
055	McLean
057	Mercer
059	Morton
061	Mountrail
063	Nelson
065	Oliver
067	Pembina
069	Pierce
071	Ramsey
073	Ransom

Con.	
075	Renville
077	Richland
079	Rolette
081	Sargent
083	Sheridan
085	Sioux
087	Slope
089	Stark
091	Steele
093	Stutsman
095	Towner
097	Traill
099	Walsh
101	Ward
103	Wells
105	Williams
	New Hampshire
	County
001	Belknap
003	Carroll
005	Cheshire
007	Coos
009	Grafton
011	Hillsboro
013	Merrimack
015	Rockingham
017	Strafford
019	Sullivan
	New Jersey
	County
001	Atlantic
003	Bergen
005	Burlington
007	Camden
009	Cape May
011	Cumberland
013	Essex
015	Gloucester
017	Hudson
019	Hunterdon
021	Mercer
023	Middlesex
025	Monmouth
027	Morris
029	Ocean
031	Passaic
033	Salem
035	Somerset
037	Sussex
039	Union
041	Warren
	New Mexico
	County
001	Bernalillo
003	Catron
005	Chaves
007	Colfax
009	Curry
011	De Baca
013	Dona Ana
015	Eddy
017	Grant
019	Guadalupe
021	Harding
023	Hidalgo
025	Lea
027	Lincoln
028	Los Alamos
029	Luna
031	McKinley
033	Mora
035	Otero
037	Quay
039	Rio Arriba
041	Roosevelt
043	Sandoval
045	San Juan
047	San Miguel
049	Santa Fe
051	Sierra
053	Socorro
055	Taos
057	Torrance
059	Union
061	Valencia
	Nevada
	County
001	Churchill

Table 1.—*Code numbers and abbreviations used for States (and other areas) and code numbers used for counties and independent cities* – Cont.

STATES, COUNTIES, AND INDEPENDENT CITIES–Continued

Con.	
003	Clark
005	Douglas
007	Elko
009	Esmeralda
011	Eureka
013	Humboldt
015	Lander
017	Lincoln
019	Lyon
021	Mineral
023	Nye
027	Pershing
029	Storey
031	Washoe
033	White Pine
	Independent City
510	Carson City
	New York
	County
001	Albany
003	Allegany
005	Bronx
007	Broome
009	Cattaraugus
011	Cayuga
013	Chautauqua
015	Chemung
017	Chenango
019	Clinton
021	Columbia
023	Cortland
025	Delaware
027	Dutchess
029	Erie
031	Essex
033	Franklin
035	Fulton
037	Genesee
039	Greene
041	Hamilton
043	Herkimer
045	Jefferson
047	Kings
049	Lewis
051	Livingston
053	Madison
055	Monroe
057	Montgomery
059	Nassau
061	New York
063	Niagara
065	Oneida
067	Onondaga
069	Ontario
071	Orange
073	Orleans
075	Oswego
077	Otsego
079	Putnam
081	Queens
083	Rensselaer
085	Richmond
087	Rockland
089	St. Lawrence
091	Saratoga
093	Schenectady
095	Schoharie
097	Schuyler
099	Seneca
101	Steuben
103	Suffolk
105	Sullivan
107	Tioga
109	Tompkins
111	Ulster
113	Warren
115	Washington
117	Wayne
119	Westchester
121	Wyoming
123	Yates
	Ohio
	County
001	Adams
003	Allen
005	Ashland
007	Ashtabula
009	Athens
011	Auglaize
013	Belmont

Con.	
015	Brown
017	Butler
019	Carroll
021	Champaign
023	Clark
025	Clermont
027	Clinton
029	Columbiana
031	Coshocton
033	Crawford
035	Cuyahoga
037	Darke
039	Defiance
041	Delaware
043	Erie
045	Fairfield
047	Fayette
049	Franklin
051	Fulton
053	Gallia
055	Geauga
057	Greene
059	Guernsey
061	Hamilton
063	Hancock
065	Hardin
067	Harrison
069	Henry
071	Highland
073	Hocking
075	Holmes
077	Huron
079	Jackson
081	Jefferson
083	Knox
085	Lake
087	Lawrence
089	Licking
091	Logan
093	Lorain
095	Lucas
097	Madison
099	Mahoning
101	Marion
103	Medina
105	Meigs
107	Mercer
109	Miami
111	Monroe
113	Montgomery
115	Morgan
117	Morrow
119	Muskingum
121	Noble
123	Ottawa
125	Paulding
127	Perry
129	Pickaway
131	Pike
133	Portage
135	Preble
137	Putnam
139	Richland
141	Ross
143	Sandusky
145	Scioto
147	Seneca
149	Shelby
151	Stark
153	Summit
155	Trumbull
157	Tuscarawas
159	Union
161	Van Wert
163	Vinton
165	Warren
167	Washington
169	Wayne
171	Williams
173	Wood
175	Wyandot
	Oklahoma
	County
001	Adair
003	Alfalfa
005	Atoka
007	Beaver
009	Beckham
011	Blaine
013	Bryan
015	Caddo

Con.	
017	Canadian
019	Carter
021	Cherokee
023	Choctaw
025	Cimarron
027	Cleveland
029	Coal
031	Comanche
033	Cotton
035	Craig
037	Creek
039	Custer
041	Delaware
043	Dewey
045	Ellis
047	Garfield
049	Garvin
051	Grady
053	Grant
055	Greer
057	Harmon
059	Harper
061	Haskell
063	Hughes
065	Jackson
067	Jefferson
069	Johnston
071	Kay
073	Kingfisher
075	Kiowa
077	Latimer
079	Le Flore
081	Lincoln
083	Logan
085	Love
087	McClain
089	McCurtain
091	McIntosh
093	Major
095	Marshall
097	Mayes
099	Murray
101	Muskogee
103	Noble
105	Nowata
107	Okfuskee
109	Oklahoma
111	Okmulgee
113	Osage
115	Ottawa
117	Pawnee
119	Payne
121	Pittsburg
123	Pontotoc
125	Pottawatomie
127	Pushmataha
129	Roger Mills
131	Rogers
133	Seminole
135	Sequoyah
137	Stephens
139	Texas
141	Tillman
143	Tulsa
145	Wagoner
147	Washington
149	Washita
151	Woods
153	Woodward
	Oregon
	County
001	Baker
003	Benton
005	Clackamas
007	Clatsop
009	Columbia
011	Coos
013	Crook
015	Curry
017	Deschutes
019	Douglas
021	Gilliam
023	Grant
025	Harney
027	Hood River
029	Jackson
031	Jefferson
033	Josephine
035	Klamath
037	Lake
039	Lane

Con.	
041	Lincoln
043	Linn
045	Malheur
047	Marion
049	Morrow
051	Multnomah
053	Polk
055	Sherman
057	Tillamook
059	Umatilla
061	Union
063	Wallowa
065	Wasco
067	Washington
069	Wheeler
071	Yamhill
	Pennsylvania
	County
001	Adams
003	Allegheny
005	Armstrong
007	Beaver
009	Bedford
011	Berks
013	Blair
015	Bradford
017	Bucks
019	Butler
021	Cambria
023	Cameron
025	Carbon
027	Centre
029	Chester
031	Clarion
033	Clearfield
035	Clinton
037	Columbia
039	Crawford
041	Cumberland
043	Dauphin
045	Delaware
047	Elk
049	Erie
051	Fayette
053	Forest
055	Franklin
057	Fulton
059	Greene
061	Huntington
063	Indiana
065	Jefferson
067	Juniata
069	Lackawanna
071	Lancaster
073	Lawrence
075	Lebanon
077	Lehigh
079	Luzerne
081	Lycoming
083	McKean
085	Mercer
087	Mifflin
089	Monroe
091	Montgomery
093	Montour
095	Northampton
097	Northumberland
099	Perry
101	Philadelphia
103	Pike
105	Potter
107	Schuylkill
109	Snyder
111	Somerset
113	Sullivan
115	Susquehanna
117	Tioga
119	Union
121	Venango
123	Warren
125	Washington
127	Wayne
129	Westmoreland
131	Wyoming
133	York
	Rhode Island
	County
001	Bristol
003	Kent
005	Newport

Con.	
007	Providence
009	Washington
	South Carolina
	County
001	Abbeville
003	Aiken
005	Allendale
007	Anderson
009	Bamberg
011	Barnwell
013	Beaufort
015	Berkeley
017	Calhoun
019	Charleston
021	Cherokee
023	Chester
025	Chesterfield
027	Clarendon
029	Colleton
031	Darlington
033	Dillon
035	Dorchester
037	Edgefield
039	Fairfield
041	Florence
043	Georgetown
045	Greenville
047	Greenwood
049	Hampton
051	Horry
053	Jasper
055	Kershaw
057	Lancaster
059	Laurens
061	Lee
063	Lexington
065	McCormick
067	Marion
069	Marlboro
071	Newberry
073	Oconee
075	Orangeburg
077	Pickens
079	Richland
081	Saluda
083	Spartanburg
085	Sumter
087	Union
089	Williamsburg
091	York
	South Dakota
	County
003	Aurora
005	Beadle
007	Bennett
009	Bon Homme
011	Brookings
013	Brown
015	Brule
017	Buffalo
019	Butte
021	Campbell
023	Charles Mix
025	Clark
027	Clay
029	Codington
031	Corson
033	Custer
035	Davison
037	Day
039	Deuel
041	Dewey
043	Douglas
045	Edmunds
047	Fall River
049	Faulk
051	Grant
053	Gregory
055	Haakon
057	Hamlin
059	Hand
061	Hanson
063	Harding
065	Hughes
067	Hutchinson
069	Hyde
071	Jackson
073	Jerauld
075	Jones
077	Kingsbury

Con.	
079	Lake
081	Lawrence
083	Lincoln
085	Lyman
087	McCook
089	McPherson
091	Marshall
093	Meade
095	Mellette
097	Miner
099	Minnehaha
101	Moody
103	Pennington
105	Perkins
107	Potter
109	Roberts
111	Sanborn
113	Shannon
115	Spink
117	Stanley
119	Sully
121	Todd
123	Tripp
125	Turner
127	Union
129	Walworth
131	Washabaugh
135	Yankton
137	Ziebach
	Tennessee
	County
001	Anderson
003	Bedford
005	Benton
007	Bledsoe
009	Blount
011	Bradley
013	Campbell
015	Cannon
017	Carroll
019	Carter
021	Cheatham
023	Chester
025	Claiborne
027	Clay
029	Cocke
031	Coffee
033	Crockett
035	Cumberland
037	Davidson
039	Decatur
041	De Kalb
043	Dickson
045	Dyer
047	Fayette
049	Fentress
051	Franklin
053	Gibson
055	Giles
057	Grainger
059	Greene
061	Grundy
063	Hamblen
065	Hamilton
067	Hancock
069	Hardeman
071	Hardin
073	Hawkins
075	Haywood
077	Henderson
079	Henry
081	Hickman
083	Houston
085	Humphreys
087	Jackson
089	Jefferson
091	Johnson
093	Knox
095	Lake
097	Lauderdale
099	Lawrence
101	Lewis
103	Lincoln
105	Loudon
107	McMinn
109	McNairy
111	Macon
113	Madison
115	Marion
117	Marshall
119	Maury

Table 1.—*Code numbers and abbreviations used for States (and other areas) and code numbers used for counties and independent cities* – Cont.

STATES, COUNTIES, AND INDEPENDENT CITIES–Continued

Con.	
121	Meigs
123	Monroe
125	Montgomery
127	Moore
129	Morgan
131	Obion
133	Overton
135	Perry
137	Pickett
139	Polk
141	Putnam
143	Rhea
145	Roane
147	Robertson
149	Rutherford
151	Scott
153	Sequatchie
155	Sevier
157	Shelby
159	Smith
161	Stewart
163	Sullivan
165	Sumner
167	Tipton
169	Trousdale
171	Unicoi
173	Union
175	Van Buren
177	Warren
179	Washington
181	Wayne
183	Weakley
185	White
187	Williamson
189	Wilson
	Texas
	County
001	Anderson
003	Andrews
005	Angelina
007	Aransas
009	Archer
011	Armstrong
013	Atascosa
015	Austin
017	Bailey
019	Bandera
021	Bastrop
023	Baylor
025	Bee
027	Bell
029	Bexar
031	Blanco
033	Borden
035	Bosque
037	Bowie
039	Brazoria
041	Brazos
043	Brewster
045	Briscoe
047	Brooks
049	Brown
051	Burleson
053	Burnet
055	Caldwell
057	Calhoun
059	Callahan
061	Cameron
063	Camp
065	Carson
067	Cass
069	Castro
071	Chambers
073	Cherokee
075	Childress
077	Clay
079	Cochran
081	Coke
083	Coleman
085	Collin
087	Collingsworth
089	Colorado
091	Comal
093	Comanche
095	Concho
097	Cooke
099	Coryell
101	Cottle
103	Crane
105	Crockett
107	Crosby

Con.	
109	Culberson
111	Dallam
113	Dallas
115	Dawson
117	Deaf Smith
119	Delta
121	Denton
123	De Witt
125	Dickens
127	Dimmit
129	Donley
131	Duval
133	Eastland
135	Ector
137	Edwards
139	Ellis
141	El Paso
143	Erath
145	Falls
147	Fannin
149	Fayette
151	Fisher
153	Floyd
155	Foard
157	Fort Bend
159	Franklin
161	Freestone
163	Frio
165	Gaines
167	Galveston
169	Garza
171	Gillespie
173	Glasscock
175	Goliad
177	Gonzales
179	Gray
181	Grayson
183	Gregg
185	Grimes
187	Guadalupe
189	Hale
191	Hall
193	Hamilton
195	Hansford
197	Hardeman
199	Hardin
201	Harris
203	Harrison
205	Hartley
207	Haskell
209	Hays
211	Hemphill
213	Henderson
215	Hidalgo
217	Hill
219	Hockley
221	Hood
223	Hopkins
225	Houston
227	Howard
229	Hudspeth
231	Hunt
233	Hutchinson
235	Irion
237	Jack
239	Jackson
241	Jasper
243	Jeff Davis
245	Jefferson
247	Jim Hogg
249	Jim Wells
251	Johnson
253	Jones
255	Karnes
257	Kaufman
259	Kendall
261	Kenedy
263	Kent
265	Kerr
267	Kimble
269	King
271	Kinney
273	Kleberg
275	Knox
277	Lamar
279	Lamb
281	Lampasas
283	La Salle
285	Lavaca
287	Lee
289	Leon
291	Liberty

Con.	
293	Limestone
295	Lipscomb
297	Live Oak
299	Llano
301	Loving
303	Lubbock
305	Lynn
307	McCulloch
309	McLennan
311	McMullen
313	Madison
315	Marion
317	Martin
319	Mason
321	Matagorda
323	Maverick
325	Medina
327	Menard
329	Midland
331	Milam
333	Mills
335	Mitchell
337	Montague
339	Montgomery
341	Moore
343	Morris
345	Motley
347	Nacogdoches
349	Navarro
351	Newton
353	Nolan
355	Nueces
357	Ochiltree
359	Oldham
361	Orange
363	Palo Pinto
365	Panola
367	Parker
369	Parmer
371	Pecos
373	Polk
375	Potter
377	Presidio
379	Rains
381	Randall
383	Reagan
385	Real
387	Red River
389	Reeves
391	Refugio
393	Roberts
395	Robertson
397	Rockwall
399	Runnels
401	Rusk
403	Sabine
405	San Augustine
407	San Jacinto
409	San Patricio
411	San Saba
413	Schleicher
415	Scurry
417	Shackelford
419	Shelby
421	Sherman
423	Smith
425	Somervell
427	Starr
429	Stephens
431	Sterling
433	Stonewall
435	Sutton
437	Swisher
439	Tarrant
441	Taylor
443	Terrell
445	Terry
447	Throckmorton
449	Titus
451	Tom Green
453	Travis
455	Trinity
457	Tyler
459	Upshur
461	Upton
463	Uvalde
465	Val Verde
467	Van Zandt
469	Victoria
471	Walker
473	Waller
475	Ward

Con.	
477	Washington
479	Webb
481	Wharton
483	Wheeler
485	Wichita
487	Wilbarger
489	Willacy
491	Williamson
493	Wilson
495	Winkler
497	Wise
499	Wood
501	Yoakum
503	Young
505	Zapata
507	Zavala
	Utah
	County
001	Beaver
003	Box Elder
005	Cache
007	Carbon
009	Daggett
011	Davis
013	Duchesne
015	Emery
017	Garfield
019	Grand
021	Iron
023	Juab
025	Kane
027	Millard
029	Morgan
031	Piute
033	Rich
035	Salt Lake
037	San Juan
039	Sanpete
041	Sevier
043	Summit
045	Tooele
047	Uintah
049	Utah
051	Wasatch
053	Washington
055	Wayne
057	Weber
	Virginia
	County
001	Accomack
003	Albemarle
005	Alleghany
007	Amelia
009	Amherst
011	Appomattox
013	Arlington
015	Augusta
017	Bath
019	Bedford
021	Bland
023	Botetourt
025	Brunswick
027	Buchanan
029	Buckingham
031	Campbell
033	Caroline
035	Carroll
036	Charles City
037	Charlotte
041	Chesterfield
043	Clarke
045	Craig
047	Culpeper
049	Cumberland
051	Dickenson
053	Dinwiddie
057	Essex
059	Fairfax
061	Fauquier
063	Floyd
065	Fluvanna
067	Franklin
069	Frederick
071	Giles
073	Gloucester
075	Goochland
077	Grayson
079	Greene
081	Greensville
083	Halifax

Con.	
085	Hanover
087	Henrico
089	Henry
091	Highland
093	Isle of Wight
095	James City
097	King and Queen
099	King George
101	King William
103	Lancaster
105	Lee
107	Loudoun
109	Louisa
111	Lunenburg
113	Madison
115	Mathews
117	Mecklenburg
119	Middlesex
121	Montgomery
123	Nansemond
125	Nelson
127	New Kent
131	Northampton
133	Northumberland
135	Nottoway
137	Orange
139	Page
141	Patrick
143	Pittsylvania
145	Powhatan
147	Prince Edward
149	Prince George
153	Prince William
155	Pulaski
157	Rappahannock
159	Richmond
161	Roanoke
163	Rockbridge
165	Rockingham
167	Russell
169	Scott
171	Shenandoah
173	Smyth
175	Southampton
177	Spotsylvania
179	Stafford
181	Surry
183	Sussex
185	Tazewell
187	Warren
191	Washington
193	Westmoreland
195	Wise
197	Wythe
199	York
	Independent City
510	Alexandria
515	Bedford
520	Bristol
530	Buena Vista
540	Charlottesville
550	Chesapeake
560	Clifton Forge
570	Colonial Heights
580	Covington
590	Danville
595	Emporia
600	Fairfax
610	Falls Church
620	Franklin
630	Fredericksburg
640	Galax
650	Hampton
660	Harrisonburg
670	Hopewell
678	Lexington
680	Lynchburg
690	Martinsville
700	Newport News
710	Norfolk
720	Norton
730	Petersburg
740	Portsmouth
750	Radford
760	Richmond
770	Roanoke
775	Salem
780	South Boston
790	Staunton
800	Suffolk
810	Virginia Beach
820	Waynesboro

Con.	
830	Williamsburg
840	Winchester
VT	**Vermont**
	County
001	Addison
003	Bennington
005	Caledonia
007	Chittenden
009	Essex
011	Franklin
013	Grand Isle
015	Lamoille
017	Orange
019	Orleans
021	Rutland
023	Washington
025	Windham
027	Windsor
	Washington
	County
001	Adams
003	Asotin
005	Benton
007	Chelan
009	Clallam
011	Clark
013	Columbia
015	Cowlitz
017	Douglas
019	Ferry
021	Franklin
023	Garfield
025	Grant
027	Grays Harbor
029	Island
031	Jefferson
033	King
035	Kitsap
037	Kittitas
039	Klickitat
041	Lewis
043	Lincoln
045	Mason
047	Okanogan
049	Pacific
051	Pend Oreille
053	Pierce
055	San Juan
057	Skagit
059	Skamania
061	Snohomish
063	Spokane
065	Stevens
067	Thurston
069	Wahkiakum
071	Walla Walla
073	Whatcom
075	Whitman
077	Yakima
	Wisconsin
	County
001	Adams
003	Ashland
005	Barron
007	Bayfield
009	Brown
011	Buffalo
013	Burnett
015	Calumet
017	Chippewa
019	Clark
021	Columbia
023	Crawford
025	Dane
027	Dodge
029	Door
031	Douglas
033	Dunn
035	Eau Claire
037	Florence
039	Fond Du Lac
041	Forest
043	Grant
045	Green
047	Green Lake
049	Iowa
051	Iron
053	Jackson
055	Jefferson

Table 1.--*Code numbers and abbreviations used for States (and other areas) and code numbers used for counties and independent cities* – Cont.

STATES, COUNTIES, AND INDEPENDENT CITIES–Continued

Con.		Con.		West Virginia		Con.		Con.		Con.	
057	Juneau	099	Price	*County*		041	Lewis	083	Randolph	009	Converse
059	Kenosha	101	Racine	001	Barbour	043	Lincoln	085	Ritchie	011	Crook
061	Kewaunee	103	Richland	003	Berkeley	045	Logan	087	Roane	013	Fremont
063	La Crosse	105	Rock	005	Boone	047	McDowell	089	Summers	015	Goshen
065	Lafayette	107	Rusk	007	Braxton	049	Marion	091	Taylor	017	Hot Springs
067	Langlade	109	St. Croix	009	Brooke	051	Marshall	093	Tucker	019	Johnson
069	Lincoln	111	Sauk	011	Cabell	053	Mason	095	Tyler	021	Laramie
071	Manitowoc	113	Sawyer	013	Calhoun	055	Mercer	097	Upshur	023	Lincoln
073	Marathon	115	Shawano	015	Clay	057	Mineral	099	Wayne	025	Natrona
075	Marinette	117	Sheboygan	017	Doddridge	059	Mingo	101	Webster	027	Niobrara
077	Marquette	119	Taylor	019	Fayette	061	Monongalia	103	Wetzel	029	Park
078	Menominee	121	Trempealeau	021	Gilmer	063	Monroe	105	Wirt	031	Platte
079	Milwaukee	123	Vernon	023	Grant	065	Morgan	107	Wood	033	Sheridan
081	Monroe	125	Vilas	025	Greenbrier	067	Nicholas	109	Wyoming	035	Sublette
083	Oconto	127	Walworth	027	Hampshire	069	Ohio			037	Sweetwater
085	Oneida	129	Washburn	029	Hancock	071	Pendleton		Wyoming	039	Teton
087	Outagamie	131	Washington	031	Hardy	073	Pleasants		*County*	041	Uinta
089	Ozaukee	133	Waukesha	033	Harrison	075	Pocahontas	001	Albany	043	Washakie
091	Pepin	135	Waupaca	035	Jackson	077	Preston	003	Big Horn	045	Weston
093	Pierce	137	Waushara	037	Jefferson	079	Putnam	005	Campbell		
095	Polk	139	Winnebago	039	Kanawha	081	Raleigh	007	Carbon		
097	Portage	141	Wood								

	Alaska		Con.		Con.		Con.		Con.		Con.
	Census division	060	Bristol Bay	110	Juneau	160	Kuskokwim	210	Seward	250	Upper Yukon
010	Aleutian Islands		Borough	120	Kenai-Cook	170	Matanuska-	220	Sitka	260	Valdez-Chitina-
020	Anchorage	070	Bristol Bay		Inlet		Susitna	230	Skagway-		Whittier
030	Angoon	080	Cordova-McCarthy	130	Ketchikan	180	Nome		Yakutat	270	Wade Hampton
040	Barrow-North	090	Fairbanks	140	Kobuk	190	Outer Ketchikan	240	Southeast	280	Wrangell-Petersburg
	Slope	100	Haines	150	Kodiak	200	Prince of Wales		Fairbanks	290	Yukon-Koyukuk
050	Bethel										

Table 2--NAWDEX Organizational Codes

Foreign Organizations

Code	Organization Name
CAX01	Inland Water Directorate, Water Resources Branch, Canada

Federal Organizations

USBLM	Bureau of Land Management
USBR	Water and Power Resources Services
USCE	Corps of Engineers
USEPA	Environmental Protection Agency
USERD	Energy Research and Development Administration
USFS	Forest Service
USFWS	Fish and Wildlife Service
USGS	Geological Survey
USIBW	International Boundary and Water Commission
USSCS	Soil Conservation Service
USTVA	Tennessee Valley Authority

Non-Federal Organizations with State or Local Jurisdiction

AR001	Bureau of Environmental Engineering, Arkansas Department of Health
AZ001	Water Resources Research Center, Arizona University
AZ003	Arizona Game and Fish Department
CA001	California Department of Water Resources
CA009	California State Water Resources Control Board
CA011	California Department of Transportation
CA059	Orange County Health Department, California
CA064	Lahontan Region, California Regional Water Quality Control Board
CA065	Pacific Gas and Electric Company
CA066	Southern California Edison Company
CA070	San Diego State University, Center for Marine Studies, California
CA080	Diablo Valley College, California
CA082	Merrit College, California
CA103	Moss Lunding Marine Laboratory, California
CA104	University of California, Sanitary Engineer Research Laboratory
CA105	University of California, Lawrence Livermore Laboratory
CA112	Regional Water-Quality Control Board, North Coast Region, California
CA113	San Francisco Bay Region, California Regional Water Quality Control Board

Table 2--NAWDEX Organizational Codes (Continued)

CA114	Central Coast Region, California Regional Water Quality Control Board
CA115	Los Angeles Region, California Regional Water Quality Control Board
CA118	Regional Water Quality Control Board, Santa Ana Region, California
CA119	San Diego Region, California Regional Water Control Board
CA120	University of Southern California
C0003	Water Division, City of Colorado Springs, Colorado
CT001	Environmental Health Service Division, Connecticut Dept. of Health
FL051	Florida Department of Environmental Regulation
GA009	Environmental Protection Division, Georgia Dept. of Natural Resources
IA007	Agricultural Engineering Department, Iowa State University
ID002	Idaho Fish and Game Department
ID004	Idaho Department of Health and Welfare
IN001	Division Stream Pollution Control, Indiana State Board of Health
KY001	Kentucky Department for Natural Resources and Environmental Protection
MI001	Michigan Department of Natural Resources
MN012	Minnesota Pollution Control Agency
M0003	Metropolitan St. Louis Sewer District, Missouri
NC004	North Carolina Department of Natural Resources and Community Development
NV005	Division of Renewable Natural Resources, University of Nevada
OR001	Department of Forest Engineering, Oregon State University
OR005	Oregon Department of Fish and Wildlife
PA001	Pennsylvania Department of Environmental Resources
SRBC	Susquehanna River Basin Commission
TN002	Division of Water Quality Control, Tennessee Department of Public Health
TX001	Texas Department of Natural Resources
TX007	Texas Water Quality Board
UT001	Utah State Health Department
VA001	Virginia State Water Control Board
VT003	Vermont Water Resources Research Center, University of Vermont, Burlington, Vermont
WA004	College of Fisheries, University of Washington
WA006	Department of Zoology, University of Washington
WA011	Seattle Water Pollution Control, Washington
WI001	Wisconsin Department of Natural Resources
WI003	Dairyland Power Cooperative, Wisconsin
WY004	Water Resources Research Institute, University of Wyoming

TABLE 3

Sediment Data Sites as of January 1980

NEW ENGLAND REGION 01

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	DW BEGIN YEAR	DW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
01010001	LITTLE BLACK R. @ ROAD CROSSING	471718	0692051	023	003	SW			1975		E				USCE	C
01010001	SHIELDS BRANCH @ FIELD MARKER	465902	0694222	023	003	SW			1975		E				USCE	C
01010001	ST. JOHN R. E. OF BR. AT DICKEY	470632	0690528	023	003	SW			1975		E				USCE	C
01010001	LITTLE BLACK R. N. OF BR. @ ALLA	470727	0690547	023	003	SW			1975		E				USCE	C
01010001	LITTLE BLACK R. AT BOAT LANDING	471431	0691351	023	003	SW			1975		E				USCE	C
01010001	CHIMENTICOOK STR. @ CROSSING	470347	0692149	023	003	SW			1975		E				USCE	C
01010001	POCWOCK STR. @ FIELD MARKER	470348	0691911	023	003	SW			1975		E				USCE	C
01010001	BIG BLACK R. NR ST. JOHN R.	465654	0692722	023	003	SW			1975		E				USCE	C
01010001	ST. JOHN R. @ NINE MILE BRK.	464154	0694308	023	003	SW			1975		E				USCE	C
01010001	NINE MILE BRK. @ ST. JOHN R.	464159	0694315	023	003	SW			1975		E				USCE	C
01010001	ST. JOHN RIVER AT DICKEY, ME	470644	0690525	023	003	SW	2700.00	004	1974		K			K	USGS	D
01010001	ST. JOHN RIVER AT VAN BUREN, ME	470935	0675555	023	003	SW	8270.00	004	1978		K	K			USGS	D
01010002	ALLAGASH R. W. OF BR. @ ALLAGASH	470501	0690237	023	003	SW			1975		E				USCE	C
01010002	ALLAGASH RIVER NEAR ALLAGASH, ME	470414	0690451	023	003	SW	1250.00	004	1952		K			K	USGS	D
01010004	AROOSTOOK RIVER AT CARIBOU, ME	465057	0680012	023	003	SW	1943.00	014	1974		E	E		E	USGS	D
01020005	PENOBSCOT RIVER AT WEST ENFIELD, ME	451412	0683856	023	019	SW	6670.00	014	1960		E	E		E	USGS	D
01020005	PENOBSCOT RIVER AT EDDINGTON, ME	454941	0684148	023	019	SW	7765.00		1979		K	K			USGS	D
01030003	KENNEBEC RIVER AT BINGHAM, ME	450306	0695312	023	025	SW	2720.00	014	1966		E	E		E	USGS	D
01030003	KENNEBEC RIVER AT NORTH SIDNEY, ME	442825	0694108	023	011	SW	5478.00		1978		A	A			USGS	D
01040002	WILD RIVER AT GILEAD, ME	442326	0705846	023	017	SW	69.50	004	1963		Q	A		E	USGS	D
01040002	LAPHAM BROOK AT WEST AUBURN, ME	440857	0701708	023	001	SW			1977		K			A	USGS	D
01040002	LAPHAM BROOK AT YOUNG CORNER, ME	440740	0701638	023	001	SW			1977		K			A	USGS	D
01040002	HODGKINS BROOK NEAR AUBURN, ME	440636	0701750	023	001	SW			1977		R			A	USGS	D
01040002	TAYLOR BROOK AT STEVENS MILL, ME	440558	0701602	023	001	SW			1977		R			A	USGS	D
01040002	ANDROSCOGGIN RIVER NEAR AUBURN, ME	440420	0701231	023	001	SW	3257.00	013	1966	1979	N	N		N	USGS	D
01050001	ST. CROIX RIVER AT MILLTOWN, ME	451011	0671750	023	029	SW	1460.00	013	1971		E	E		E	USGS	D
01050002	NARRAGUAGUS RIVER AT CHERRYFIELD, ME	443629	0675610	023	029	SW	232.00	004	1968		R	R		R	USGS	D
01060001	ANDROSCOGGIN RIVER AT BRUNSWICK, ME	435503	0695825	023	005	SW	3410.00	014	1974		E	E			USGS	D
01060001	PRESUMPSCOT RIVER NEAR WEST FALMOUTH, ME	434328	0701812	023	005	SW	590.00	013	1973		A	A		A	USGS	D
01060002	SACO RIVER AT CORNISH, ME	434835	0704653	023	005	SW	1298.00	004	1968		E	E		E	USGS	D
01060003	BLACKSMITH BROOK AT WELLS, ME.	431958	0703416	023	031	SW	2.48	004	1975	1975	S			S	USGS	D
01070001	PEMIGEWASSET RIVER AT PLYMOUTH, NH	434533	0714110	033	009	SW	622.00	004	1952		E			E	USGS	D
01070002	MERRIMACK RIVER ABOVE LOWELL	423820	0712217	025	017	SW			1958	1969	E				USEPA	C
01070002	MERRIMACK RIVER AT CONCORD, NH	431232	0713151	033	013	SW	2300.00	003	1979		N	N		N	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
01070002	SOUCOOK RIVER NEAR CONCORD, NH	431422	0712744	033	013	SW	76.80	004	1967	1978	R			R	USGS	D
01070002	SOUHEGAN RIVER AT MERRIMACK, NH	425127	0713024	033	011	SW	171.00	014	1952	1974	R			R	USGS	D
01070002	MERRIMACK RIVER ABOVE LOWELL, MA	423802	0712217	025	017	SW	3900.00	013	1969		R	R		R	USGS	D
01070002	MERRIMACK RIVER BL CONCORD RIVER AT LOWELL,	423845	0711756	025	017	SW	4635.00	124	1953	1978	2			2	USGS	D
01070003	WEST BRANCH WARNER RIVER NEAR BRADFORD, NH	431533	0720135	033	013	SW	5.75	004	1976		A	A			USGS	D
01070005	ASSABET RIVER AT MAYNARD, MA	422555	0712701	025	017	SW	116.00	004	1953	1978	K			K	USGS	D
01070005	CONCORD R BELOW R MEADOW BROOK, AT LOWELL, M	423812	0711809	025	017	SW	405.00	124	1952		E			E	USGS	D
01080101	AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH	441608	0713752	033	009	SW	87.60	004	1967	1978	A			A	USGS	D
01080101	CONNECTICUT RIVER AT WELLS RIVER, VT	440913	0720234	050	017	SW	2644.00	014	1979		R	R		K	USGS	D
01080102	PASSUMPSIC RIVER AT PASSUMPSIC, VT	442156	0720223	050	005	SW	436.00	004	1952	1978	K			K	USGS	D
01080104	CONNECTICUT RIVER AT NORTH WALPOLE, NH	430734	0722614	033	005	SW	5493.00	014	1954		R	R			USGS	D
01080104	CONNECTICUT RIVER AT WALPOLE, NH	430504	0722604	033	005	SW	5700.00	014	1955		E	E		E	USGS	D
01080105	WHITE RIVER AT WEST HARTFORD, VT	434251	0722507	050	027	SW	690.00	004	1952	1978	K			K	USGS	D
01080107	WILLIAMS RIVER AT BROCKWAYS MILLS, VT	431231	0723105	050	025	SW	103.00	004	1956	1978	K			K	USGS	D
01080107	NB FIRE DISTRICT 1 WWTP-W DOVER	425600	0724800	050	007	OT			1978		W				VT003	
01080202	MILLERS RIVER NEAR WINCHENDON, MA	424103	0720502	025	027	SW	83.00	014	1956	1978	E			E	USGS	D
01080202	OTTER RIVER NEAR BALDWINSVILLE, MA	423737	0720534	025	027	SW	60.80	004	1964	1966	E			E	USGS	D
01080202	MILLERS RIVER AT SOUTH ROYALSTON, MA	423747	0720903	025	027	SW	187.00	014	1957	1978	A			A	USGS	D
01080202	EAST BRANCH TULLY RIVER NEAR ATHOL, MA	423832	0721334	025	027	SW	50.40	014	1965	1978	A			A	USGS	D
01080202	MILLERS RIVER AT ERVING, MA	423551	0722619	025	011	SW	375.00	014	1952	1978	A			A	USGS	D
01080203	BEAVER BROOK AT WILMINGTON, VT	425138	0725104	050	025	SW	6.38	004	1967		E			E	USGS	D
01080203	DEERFIELD RIVER AT CHARLEMONT, MA	423733	0725120	025	011	SW	362.00	014	1954	1978	A			A	USGS	D
01080203	NORTH RIVER AT SHATTUCKVILLE, MA	423818	0724332	025	011	SW	88.40	004	1956	1978	A			A	USGS	D
01080203	SOUTH RIVER NEAR CONWAY, MA	423231	0724139	025	011	SW	24.00	004	1967	1978	A			A	USGS	D
01080203	DEERFIELD RIVER NEAR WEST DEERFIELD, MA	423209	0723914	025	011	SW	558.00	014	1952	1978	A			A	USGS	D
01080203	GREEN RIVER NEAR COLRAIN, MA	424212	0724016	025	011	SW	41.40	004	1967	1978	A			A	USGS	D
01080204	QUABOAG RIVER AT WEST BRIMFIELD, MA	421056	0721551	025	013	SW	151.00	004	1952	1978	R			R	USGS	D
01080205	CONNECTICUT R CANAL LOCKS ENFIELD	415958	0723628	009	003	SW			1964	1971	Q				CT001	P
01080205	CONNECTICUT R AT THOMPSONVILLE, CT	415914	0723621	009	003	SW	9661.00	124	1952		E	E		E	USGS	D
01080205	SCANTIC R AT BROAD BROOK, CT.	415442	0723348	009	003	SW	98.20	004	1952		2	E		2	USGS	D
01080205	FARM RIVER, AT AUGUR ROAD, NEAR NORTHFORD, C	412144	0724806	009	009	SW			1975	1978	G			G	USGS	D
01080206	WEST BRANCH WESTFIELD RIVER AT HUNTINGTON, M	421414	0725346	025	015	SW	93.70	004	1956	1978	R			R	USGS	D
01080206	WESTFIELD RIVER NEAR WESTFIELD, MA	420624	0724158	025	013	SW	497.00	124	1952	1978	K			K	USGS	D
01080207	WINDSOR SITE WASTE EFFLUENT	415320	0724251	009	003	SW			1959	1977			E		USERD	P

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01090001	CHARLES RIVER AT DOVER, MA	421522	0711538	025	021	SW	184.00	124	1959		E			E	USGS	D
01090001	CHARLES RIVER AT WELLESLEY, MA	421859	0711342	025	021	SW	211.00	124	1968		A			A	USGS	D
01090001	CHARLES RIVER AT WALTHAM, MA	422220	0711403	025	017	SW	227.00	124	1952	1978	E			E	USGS	D
01090002	INDIAN HEAD RIVER AT HANOVER, MA	420602	0704923	025	023	SW	30.30	014	1968	1978	E			E	USGS	D
01090002	JONES RIVER AT KINGSTON, MA	415927	0704403	025	023	SW	15.80	014	1968	1978	E			E	USGS	D
01090002	EEL RIVER NEAR PLYMOUTH, MA	415630	0703723	025	023	SW	14.70	004	1969	1971	E			E	USGS	D
01090002	WEWEANTIC RIVER AT SOUTH WAREHAM, MA	414612	0704518	025	023	SW	56.10	014	1969	1971	E			E	USGS	D
01090003	BLACKSTONE RIVER AT MILLVILLE, MA	420116	0713404	025	027	SW	277.00	014	1968		A	A		A	USGS	D
01090004	TAUNTON RIVER AT STATE FARM, NR BRIDGEWATER,	415605	0705718	025	023	SW	260.00	124	1952	1974	R			R	USGS	D
01090005	WOOD RIVER NEAR ARCADIA, RI	413426	0714316	044	009	SW	35.20	004	1967		R			R	USGS	D
01090005	PAWCATUCK RIVER AT WESTERLY, RI	412301	0715001	044	009	SW	295.00	024	1952		N	N		A	USGS	D
01100001	QUINEBAUG R RT 197 BRIDGE THOMPSON	420124	0715718	009	015	SW			1958	1971	Q				CTOO1	P
01100001	FRENCH R RT 12 BRIDGE GROSVENORDAL	415926	0715350	009	015	SW			1958	1971	Q				CTOO1	
01100002	THAMES R RT 2 BRIDGE NORWICH	413156	0720436	009	011	SW			1958	1971	Q				CTOO1	P
01100002	WILLIMANTIC R RT 32 & RT 275	414706	0721654	009	013	SW			1958	1971	Q				CTOO1	P
01100002	SHETUCKET R AT SOUTH WINDHAM, CT	414056	0720959	009	015	SW	408.00	003	1974		N	N		N	USGS	D
01100002	YANTIC R AT YANTIC, CT	413331	0720719	009	011	SW	90.00	004	1910		O			O	USGS	D
01100004	PATCHOGUE R AT WESTBROOK, CT.	411800	0722652	009	007	OC			1971	1971	A			A	USGS	D
01100004	PATCHOGUE R AT GROVE BEACH, CT.	411640	0722806	009	007	OC			1971	1972	A			A	USGS	D
01100004	MENUNKETESUCK R NR CLINTON, CT.	411810	0723057	009	007	SW	11.20	004	1962	1971	A			A	USGS	D
01100004	MENUNKETESUCK RIVER AT GROVE BEACH, CT.	411628	0722838	009	007	OC			1971	1972	A			A	USGS	D
01100004	INDIAN RIVER NR CLINTON, CT.	411821	0723154	009	007	OC	5.64	004	1971	1971	A			A	USGS	D
01100004	INDIAN R AT CLINTON, CT.	411642	0723132	009	007	OC			1971	1972	A			A	USGS	D
01100004	HAMMONASSET R NR CLINTON, CT.	411725	0723355	009	007	OC			1971	1971	A			A	USGS	D
01100004	HAMMONASSET R AT CLINTON, CT.	411633	0723247	009	007	OC			1971	1972	A			A	USGS	D
01100004	EAST R NR GUILFORD, CT.	411845	0724030	009	009	OC			1971	1971	A			A	USGS	D
01100004	EAST R NR GUILFORD, CT.	411708	0723852	009	009	OC			1971	1972	A			A	USGS	D
01100004	NECK R NR MADISON, CT.	411657	0723711	009	009	SW	6.55	004	1962	1972	A			A	USGS	D
01100004	WEST R NR GUILFORD, CT.	411804	0724126	009	009	OC	12.60	124	1971	1971	A			A	USGS	D
01100004	WEST R AT GUILFORD, CT.	411645	0724119	009	009	SW			1971	1972	E			E	USGS	D
01100004	FARM R, AT REEDS GAP ROAD EAST, NR NORTHFORD	412434	0724522	009	009	SW			1975	1978	G			G	USGS	D
01100004	PISTAPAUG POND OUTLET NEAR EAST WALLINGFORD,	412525	0724519	009	009	SW			1975	1978	G			G	USGS	D
01100004	TRIBUTARY TO FARM RIVER NEAR NORTHFORD, CT.	412434	0724622	009	009	SW			1975	1978	G			G	USGS	D
01100004	FARM RIVER NEAR NORTHFORD, CT	412418	0724641	009	009	SW			1975	1979	G			G	USGS	D

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01100004	FARM RIVER AT NORTHFORD, CT	412256	0724741	009	009	SW			1975	1978	G			G	USGS	D
01100004	FARM RIVER NEAR TOTOKET, CT	412034	0724846	009	009	SW			1975	1978	G			G	USGS	D
01100004	TRIB TO FARM R, AT BARBERRY RD, AT TOTOKET,	412028	0724920	009	009	SW			1975	1978	G			G	USGS	D
01100004	TRIBUTARY TO FARM RIVER AT TOTOKET, CT.	412009	0724950	009	009	SW			1975	1978	G			G	USGS	D
01100004	BURRS BROOK AT TOTOKET, CT	411926	0724853	009	009	SW			1975	1978	G			G	USGS	D
01100004	FARM RIVER AT FOXON,CT	411924	0725002	009	009	SW			1975	1978	G			G	USGS	D
01100004	MALONEY BROOK AT FOXON,CT	411920	0725113	009	009	SW			1975	1978	G			G	USGS	D
01100004	FARM RIVER NEAR EAST HAVEN,CT	411740	0725143	009	009	SW			1975	1978	G			G	USGS	D
01100004	FARM RIVER AT EAST HAVEN,CT	411637	0725149	009	009	DC			1975	1978	G			A	USGS	D
01100005	HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA	421355	0732119	025	003	SW	280.00	004	1956	1978	A			A	USGS	D
01100005	GREEN RIVER NEAR GREAT BARRINGTON, MA	421131	0732328	025	003	SW	51.00	004	1963	1972	S			S	USGS	D
01100005	HOUSATONIC R AT GAYLORDSVILLE, CT.	413911	0732925	009	005	SW	993.00	004	1958	1968	O			O	USGS	D
01100005	LAKE WARAMAUG BROOK AT WARREN, CT	414353	0732030	009	005	SW	3.37		1977		A			A	USGS	D
01100005	LAKE WARAMAUG BROOK NEAR WARREN, CT	414310	0731956	009	005	SW	6.60		1977		A			A	USGS	D
01100005	LK WARAMAUG BK NR NEW PRESTON,CT (INFLOW SIT	414202	0732050	009	005	SW	8.59		1977	1979	A			A	USGS	D
01100005	EAST ASPETUCK RIVER AT NEW PRESTON, CT	414057	0732115	009	005	SW	14.30	004	1978		A			A	USGS	D
01100005	NONEWAUG R NR BETHLEHEM CT	413646	0731017	009	005	SW	3.67	004	1965		A			A	USGS	D
01100005	EAST SPRING BK NR BETHLEHEM CT	413644	0731035	009	005	SW	5.85	004	1965		A			A	USGS	D
01100005	NONEWAUG RIVER AT MINORTOWN, CT.	413432	0731045	009	005	SW	17.70	024	1965	1979	A			A	USGS	D
01100005	WEEKEEPEEMEE RIVER AT HOTCHKISSVILLE,CT.	413326	0731257	009	005	SW	28.60		1978	1979	A			A	USGS	D
01100005	POMPERAUG RIVER AT POMPERAUG, CT.	413136	0731239	009	005	SW			1978		A			A	USGS	D
01100005	POMPERAUG RIVER AT SOUTH BRITAIN, CT.	412759	0731455	009	009	SW	79.30		1978		A			A	USGS	D
01100005	HOUSATONIC R AT STEVENSON, CT	412302	0731005	009	001	SW	1541.00	124	1909		Q	K		K	USGS	D
01100005	HOUSATONIC R AT STRATFORD, CT	411201	0730639	009	001	ES	1941.00	013	1974				A		USGS	D
01100005	TRIB TO LK WARAMAUG AT NEW PRESTON (INFL STE	414102	0732114	009	005	SW			1977		A			A	USGS	D
01100005	TRIB TO LK WARAMAUG AT NEW PRESTON (INFL STE	414119	0732122	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414120	0732247	009	005	SW			1977		A				USGS	D
01100005	TRIB TO LK WARAMAUG AT NEW PRESTON (INFL STE	414121	0732058	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG AT NEW PRESTON (INFL STE	414133	0732050	009	005	SW			1977		S			S	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414133	0732223	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414136	0732229	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414141	0732150	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414143	0732131	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414144	0732159	009	005	SW			1977		S			S	USGS	D

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01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414145	0732240	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414146	0732243	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL SIT	414151	0732040	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414157	0732247	009	005	SW			1977		A				USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL SIT	414205	0732145	009	005	SW			1977	1979	A			A	USGS	D
01100005	LAKE WARAMAUG INFLOW #3	414207	0732104	009	005	SW			1977		A			R	USGS	D
01100005	LAKE WARAMAUG INFLOW #4	414210	0732118	009	005	SW			1977		A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL SIT	414210	0732130	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL SIT	414210	0732212	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL STE	414223	0732259	009	005	SW			1977	1979	A			A	USGS	D
01100005	TRIB TO LK WARAMAUG NR NEW PRESTON (INFL SIT	414229	0732245	009	005	SW			1977	1979	A			A	USGS	D
01100005	LAKE WARAMAUG INFLOW #10	414234	0732303	009	005	SW			1977		A			A	USGS	D
01100005	LAKE WARAMAUG BK NR WARREN, CT (INFLOW SITE	414237	0732046	009	005	SW			1977	1979	A			A	USGS	D
01100006	NORWALK R AT GEORGETOWN CT	411445	0732605	009	001	SW	14.50	004	1964		Q			R	USGS	D
01100006	NORWALK RIVER AT CANNONDALE, CT	411352	0732535	009	001	SW	15.20		1976		Q			K	USGS	D
01100006	COMSTOCK BK AT NORTH WILTON, CT.	411245	0732731	009	001	SW	3.53	004	1964		A			A	USGS	D
01100006	NORWALK R AT SOUTH WILTON, CT.	410949	0732511	009	001	SW	30.00	004	1962	1978	E			E	USGS	D
01110000	BLACK RIVER AT COVENTRY, VT	445208	0721614	050	019	SW	122.00	004	1978		R	R			USGS	D
01110000	CLYDE RIVER AT NEWPORT, VT	445622	0721123	050	019	SW	142.00	014	1973		E	E			USGS	D

MID ATLANTIC REGION 02

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02010002	OTTER CREEK AT MIDDLEBURY, VT	440047	0731006	050	001	SW	628.00	014	1953	1978	R			R	USGS	D
02010002	LAPLATTE RIVER WATERSHED	441600	0731000	050	007	SW			1979		W				VT003	
02010003	HUDSON RIVER AT ROGERS ISLAND AT FORT EDWARD	431552	0733528	036	115	SW		004	1975		K			W	USGS	D
02010003	MAD RIVER NEAR MORETOWN, VT	441642	0724437	050	023	SW	139.00	004	1954	1978	R			R	USGS	D
02010005	LAMOILLE RIVER AT EAST GEORGIA, VT	444045	0730423	050	011	SW	686.00	014	1954	1978	R			R	USGS	D
02010007	MISSISQUOI RIVER NEAR EAST BERKSHIRE, VT	445730	0724155	050	011	SW	479.00	004	1953	1978	R			R	USGS	D
02020003	HUDSON RIVER AT GLENS FALLS NY	431820	0733658	036	113	SW	2810.00	014	1972		X			X	USGS	D
02020003	HUDSON RIVER AT FENIMORE NY	431750	0733524	036	091	SW		014	1975	1975	A			A	USGS	D
02020003	HUDSON RIVER AT SCHUYLERVILLE NY	430554	0733425	036	091	SW	3440.00	012	1976		O	A		O	USGS	D
02020003	KAYDEROSSERAS CREEK NR WEST MILTON N.Y.	430218	0735435	036	091	SW	90.10	004	1949	1979	A				USGS	P
02020003	HUDSON RIVER AT STILLWATER, N.Y.	425616	0733904	036	091	SW	3773.00	014	1969		D			O	USGS	D
02020003	DRY BROOK NEAR ADAMS, MA	423520	0730648	025	003	SW	7.53	004	1963	1969	E			E	USGS	D
02020003	HOOSIC RIVER AT ADAMS, MA	423640	0730728	025	003	SW	46.30	014	1967	1978	E			E	USGS	D
02020003	NORTH BRANCH HOOSIC RIVER AT NORTH ADAMS, MA	424208	0730537	025	003	SW	39.00	004	1967	1978	A			A	USGS	D
02020003	HOOSIC RIVER NEAR WILLIAMSTOWN, MA	424221	0731050	025	003	SW	132.00	014	1953	1978	A			A	USGS	D
02020003	GREEN RIVER AT WILLIAMSTOWN, MA	424232	0731150	025	003	SW	42.60	004	1967	1978	A			A	USGS	D
02020003	HUDSDN RIVER AT BRIDGE AT MECHANICVILLE NY	425419	0734059	036	091	SW			1954	1977	9	9		9	USGS	D
02020003	HUDSON RIVER AT WATERFORD NY RT 4 BRIDGE	424719	0734028	036	091	SW	4620.00	014	1969		O	E		O	USGS	D
02020003	HUDSON RIVER AT GREEN ISLAND NY	424508	0734122	036	001	SW	8090.00		1947		Q	Q		R	USGS	D
02020004	KAPL KNOLLS SITE PARSHALL FLUME	424931	0735155	036	093	OT			1948		E	E			USERD	P
02020004	MOHAWK R AT REXFORD FLATS NY	425140	0735400	036	091	SW	3375.00	004	1951	1959	W				USGS	
02020004	MOHAWK RIVER AT COHOES, N. Y.	424707	0734229	036	001	SW	3456.00	124	1951		X	S		X	USGS	D
02020005	SCHOHARIE C AT PRATTSVILLE NY	421915	0742610	036	039	SW	236.00	004	1966	1977	A	A			USGS	D
02020005	SCHOHARIE CREEK AT GILBDA NY	422350	0742703	036	095	SW	314.00		1971	1972	S			E	USGS	D
02020005	PLATTER KILL AT GILBOA N.Y.	422418	0742636	036	095	SW	11.10		1971	1971	S	A		E	USGS	D
02020005	MINE KILL NEAR NORTH BLENHEIM NY	422544	0742824	036	095	SW	16.30		1971	1971	S	A		E	USGS	D
02020005	SCHOHARIE CREEK AT NORTH BLENHEIM, N. Y.	422757	0742745	036	095	SW	359.00	124	1970		S			E	USGS	D
02020005	WEST KILL AT NORTH BLENHEIM NY	422807	0742734	036	095	SW	44.60		1975	1976	S	A		E	USGS	D
02020005	SCHOHARIE CREEK AT BREAKABEEN NY	423210	0742440	036	095	SW	443.00		1971	1972	A	A		E	USGS	D
02020005	SCHOHARIE CREEK AT MIDDLEBURG NY	423600	0742015	036	095	SW	532.00	024	1974	1976	A	A		E	USGS	D
02020006	MILL CREEK NR EAST GREENBUSH NY	423645	0734145	036	083	SW	9.74		1974	1976	W	A		W	USGS	D
02020006	NORMANS KILL NEAR WESTMERE NY	424043	0735425	036	001	SW	131.00	024	1970	1977	A				USGS	D
02020006	HUDSON RIVER BELOW CASTLETON-ON-HUDSDN NY	423107	0734600	036	001	ES		003	1978		A				USGS	D
02020006	ESOPUS CREEK AT SHANDAKEN, NY	420659	0742320	036	111	SW	59.50	004	1962		Q	N		K	USGS	D

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02020006	ESOPUS CREEK AT COLDBROOK NY	420051	0741616	036	111	SW	192.00	024	1962	1977	N			N	USGS	D
02020006	0136240001-ESOPUS CREEK AT PHONECIA NY	420455	0741845	036	111	SW			1977	1977	N			N	USGS	D
02020006	0136230001-ESOPUS CREEK AT WOODLAND NY	420539	0742021	036	111	SW			1977	1977	N			N	USGS	D
02020007	WALLKILL R AT OUTFLOW OF LK MOHAWK AT SPARTA	410159	0743736	034	037	SW	4.38		1976		R				USGS	D
02020007	WALLKILL R AT FRANKLIN NJ	410643	0743521	034	037	SW	29.40	004	1959		R				USGS	D
02020007	WALLKILL R NR SUSSEX NJ	411138	0743432	034	037	SW	60.80		1976		R				USGS	D
02020007	PAPAKATING C AT SUSSEX NJ	411202	0743559	034	037	SW	59.40		1976		R				USGS	D
02020007	BLACK C NR VERNON NJ	411321	0742833	034	037	SW	17.30		1976		A				USGS	D
02020008	HUDSON RIVER AT HIGHLAND FALLS NY	412213	0735729	036	071	ES			1978		A				USGS	D
02030103	HACKENSACK R AT BROOKSIDE PK N Y	411018	0735824	036	087	SW	13.20	003	1960	1962	A				USGS	
02030103	HACKENSACK R AT RIVERVALE NJ	405955	0735927	034	003	SW	58.00	123	1959		E			E	USGS	D
02030103	PASCACK BK AT WESTWOOD NJ	405933	0740119	034	003	SW	29.60	004	1959		A				USGS	D
02030103	PASSAIC R NR MILLINGTON NJ	404048	0743145	034	035	SW	55.40	004	1923		E			E	USGS	D
02030103	PASSAIC R NR CHATHAM NJ	404331	0742323	034	027	SW	100.00	004	1960		2	E		2	USGS	D
02030103	ROCKAWAY R AB RE AT BOONTON NJ	405406	0742440	034	027	SW	116.00	014	1959		A				USGS	D
02030103	ROCKAWAY R AT PINE BROOK NJ	405129	0742053	034	027	SW	136.00	123	1963		K				USGS	D
02030103	WHIPPANY R AT MORRISTOWN NJ	404821	0742722	034	027	SW	29.40	014	1923		E			E	USGS	D
02030103	WHIPPANY R NR PINE BROOK NJ	405042	0742051	034	027	SW	68.50	004	1963		K				USGS	D
02030103	PASSAIC R AT TWO BRIDGES NJ	405350	0741623	034	031	SW	361.00	003	1961		R				USGS	D
02030103	WANAQUE R AT WANAQUE NJ	410233	0741736	034	031	SW	90.40	123	1923		K				USGS	D
02030103	RAMAPO RIVER NEAR MAHWAH NJ	410551	0740948	034	003	SW	118.00	004	1923		2	E		2	USGS	D
02030103	POMPTON R AT POMPTON PLAINS NJ	405809	0741656	034	031	SW	355.00	123	1962	1975	A			A	USGS	D
02030103	POMPTON R AT TWO BRIDGES NJ	405352	0741622	034	013	SW	372.00	003	1961	1978	A				USGS	D
02030103	PASSAIC R AT RT 46 AT SINGAC NJ	405332	0741558	034	031	SW	745.00		1974		R				USGS	D
02030103	PASSAIC R AT LITTLE FALLS NJ	405305	0741335	034	031	SW	762.00	123	1952		2	E		2	USGS	D
02030103	PASSAIC R AT RT 46 AT ELMWOOD PARK NJ	405337	0740746	034	031	SW	803.00		1974		N				USGS	D
02030103	HOHOKUS BK AT HOHOKUS NJ	405952	0740648	034	003	SW	16.40	004	1959		A				USGS	D
02030103	SADDLE R AT PARAMUS NJ	405647	0740556	034	003	SW	45.00	003	1965		A				USGS	D
02030103	SADDLE R AT LODI NJ	405325	0740451	034	003	SW	54.60	003	1923		R				USGS	D
02030103	THIRD RIVER AT PASSAIC, NJ	404947	0740946	034	031	SW	11.80		1979		A				USGS	D
02030104	ELIZABETH R AT URSINO LAKE AT ELIZABETH NJ	404033	0741322	034	039	SW	16.90		1973		K				USGS	D
02030104	RAHWAY R NR SPRINGFIELD NJ	404111	0741844	034	039	SW	25.50	023	1959		K				USGS	D
02030104	RAHWAY R AT RAHWAY NJ	403705	0741700	034	039	SW	40.90	023	1923		R				USGS	D
02030104	MANALPAN BK AT FEDERAL RD NR MANALAPAN NJ	401746	0742353	034	023	SW	20.90		1976		A				USGS	D

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02030104	WILLOW BK NR HOLMDEL NJ	401947	0741026	034	025	SW	7.52		1975		K			A	USGS	D
02030104	YELLOW BK AT COLTS NECK NJ	401747	0741016	034	025	SW	9.71	004	1975		K				USGS	D
02030104	SWIMMING R NR RED BANK NJ	401910	0740655	034	025	SW	48.50	124	1923		K			A	USGS	D
02030104	SHARK R NR NEPTUNE CITY NJ	401156	0740414	034	025	SW	9.96	124	1965		K			A	USGS	D
02030104	JUMPING BK NR NEPTUNE CITY NJ	401213	0740358	034	025	SW	6.43	124	1965		K			A	USGS	D
02030105	DRAKES BK AT BARTLEY NJ	404843	0744345	034	027	SW	16.60	004	1963		E			E	USGS	D
02030105	SB RARITAN R AT MIDDLE VALLEY NJ	404540	0744918	034	027	SW	47.70	004	1963		R				USGS	D
02030105	SB RARITAN R NR HIGH BRIDGE NJ	404040	0745245	034	019	SW	65.30	004	1923		E			E	USGS	D
02030105	SB RARITAN R ARCH ST AT HIGH BRIDGE NJ	403949	0745352	034	019	SW	68.80		1976		K				USGS	D
02030105	SPRUCE RUN AT GLEN GARDNER, NJ	404129	0745615	034	019	SW	12.30		1979		R			A	USGS	D
02030105	MULHOCKAWAY C AT VAN SYCKEL NJ	403851	0745809	034	019	SW	11.80	004	1976		N			N	USGS	D
02030105	SPRUCE RN AT CLINTON NJ	403821	0745458	034	019	SW	41.30	014	1959		E	E			USGS	D
02030105	SB RARITAN R AT STANTON NJ	403421	0745210	034	019	SW	147.00	124	1923		2	E		2	USGS	D
02030105	PRESCOTT BK AT ROUND VALLEY NJ	403628	0745054	034	019	SW	4.61	004	1959		K				USGS	D
02030105	BUSHKILL AT ROCKEFELLOWS MILLS NJ	403115	0744940	034	019	SW	4.31		1977		A				USGS	D
02030105	SB RARITAN R AT THREE BRIDGES NJ	403101	0744812	034	019	SW	181.00		1976		K				USGS	D
02030105	WALNUT BK NR FLEMINGTON NJ	403055	0745252	034	019	SW	2.24	004	1979		A				USGS	D
02030105	NESHANIC R AT REAVILLE NJ	402818	0744942	034	019	SW	25.70	004	1957		K			A	USGS	D
02030105	BACK BK TRIB NEAR RINGOES NJ	402541	0744952	034	019	SW	1.98		1979		A			A	USGS	D
02030105	SB RARITAN R AT SOUTH BRANCH NJ	403248	0744148	034	035	SW	265.00		1976		K				USGS	D
02030105	HOLLAND BK AT READINGTON NJ	403330	0744350	034	035	SW	9.51		1979		A			A	USGS	D
02030105	NB RARITAN R NR CHESTER NJ	404616	0743734	034	027	SW	7.57	004	1963		K				USGS	D
02030105	NB RARITAN R NR FAR HILLS NJ	404230	0743811	034	035	SW	26.20	004	1923		E	E		E	USGS	D
02030105	NB RARITAN R AT BURNT MILLS NJ	403809	0744056	034	035	SW	63.80		1963		K	R		K	USGS	D
02030105	LAMINGTON RIVER AT SUCCASUNNA, NJ	405103	0743802	034	027	SW	7.37		1979		A			A	USGS	D
02030105	LAMINGTON (BLACK) R NR IRONIA NJ	405007	0743840	034	027	SW	10.90	004	1963		K			A	USGS	D
02030105	LAMINGTON (BLACK) R NR POTTERSVILLE NJ	404339	0744350	034	027	SW	32.80	014	1923		K			R	USGS	D
02030105	UPPER COLD BK NR POTTERSVILLE NJ	404316	0744509	034	019	SW	2.18		1979		A			A	USGS	D
02030105	LAMINGTON R AT LAMINGTON NJ	403938	0744346	034	035	SW	53.60		1976		K				USGS	D
02030105	LAMINGTON (BLACK) R NR WHITEHOUSE NJ	403802	0744338	034	019	SW	57.30		1977		K	R		K	USGS	D
02030105	ROCKAWAY C NR POTTERSTOWN NJ	403836	0744538	034	019	SW			1977		K	R		K	USGS	D
02030105	SB ROCKAWAY C TR AT LEBANON NJ	403805	0744958	034	019	SW	1.02	004	1960		K				USGS	D
02030105	SB ROCKAWAY C AT WHITEHOUSE NJ	403724	0744601	034	019	SW	13.20	004	1963		W	R		W	USGS	D
02030105	ROCKAWAY C AT MILL RD AT WHITEHOUSE NJ	403731	0744525	034	019	SW			1976		K			K	USGS	D

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02030105	ROCKAWAY C AT WHITEHOUSE NJ	403749	0744411	034	019	SW	37.10	004	1959		X	R		X	USGS	D
02030105	ROCKAWAY C AT ISLAND RD AT WHITEHOUSE. NJ	403724	0744317	034	019	SW			1977		K			K	USGS	D
02030105	LAMINGTON R AT LAMINGTON RD NR NORTH BRANCH	403720	0744202	034	019	SW	97.60		1977		K	A		K	USGS	D
02030105	LAMINGTON (BLACK) R AT BURNT MILLS NJ	403804	0744113	034	035	SW	100.00		1963		R	A		R	USGS	D
02030105	NB RARITAN R AT NORTH BRANCH NJ	403600	0744027	034	035	SW	174.00		1979		A			A	USGS	D
02030105	NB RARITAN R NR RARITAN NJ	403410	0744045	034	035	SW	190.00	004	1923		E	E		E	USGS	D
02030105	RARITAN R AT RARITAN NJ	403352	0743810	034	035	SW	474.00		1977		R				USGS	D
02030105	PETERS BK NR RARITAN NJ	403535	0744000	034	035	SW	4.19		1979		R				USGS	D
02030105	RARITAN R AT MANVILLE NJ	403318	0743502	034	035	SW	490.00	124	1923		E	E		E	USGS	D
02030105	RARITAN R NR MANVILLE NJ	403234	0743403	034	035	SW	497.00	123	1966		A				USGS	D
02030105	MILLSTONE R AT APPLEGARTH NJ	401628	0742822	034	023	SW	15.00	004	1960		K				USGS	D
02030105	MILLSTONE R AT GROVERS MILL NJ	401919	0743631	034	021	SW	43.40		1975		K				USGS	D
02030105	MILLSTONE R AT PLAINSBORO NJ	401927	0743651	034	023	SW	65.80	024	1963	1975	N			N	USGS	D
02030105	WOODSVILLE BK AT WOODSVILLE NJ	402237	0744933	034	021	SW	1.78	004	1970	1970	R			R	USGS	D
02030105	STONY BK TR 3 NR HOPEWELL NJ	402412	0744807	034	021	SW	2.57	004	1970	1970	R			R	USGS	D
02030105	STONY BK AT GLENMOORE NJ	402155	0744714	034	021	SW	17.00	004	1960	1970	A			A	USGS	D
02030105	BALDWIN C AT PENNINGTON NJ	402018	0744750	034	021	SW	1.99	004	1960	1970	R			R	USGS	D
02030105	BALDWIN C AT BALDWIN LK NR PENNINGTON NJ	402026	0744648	034	021	SW	2.52	004	1961	1970	2	E		2	USGS	D
02030105	STONY BK AT PENNINGTON NJ	401950	0744605	034	021	SW	26.50	004	1967	1969	R			R	USGS	D
02030105	HART BK NR PENNINGTON NJ	401917	0744538	034	021	SW	.57	004	1968	1970	A			A	USGS	D
02030105	HONEY B NR MOUNT ROSE NJ	402117	0744529	034	021	SW	1.28	004	1968	1970	K			K	USGS	D
02030105	HONEY B TR NR PENNINGTON NJ	402122	0744522	034	021	SW	.60	004	1968	1969	E	E			USGS	D
02030105	HONEY B NR ROSEDALE NJ	402026	0744439	034	021	SW	3.83	004	1968	1970	K			K	USGS	D
02030105	STONY BK AT PRINCETON NJ	401959	0744056	034	021	SW	44.50	004	1925		2	E		2	USGS	D
02030105	DUCK POND RN AT CLARKSVILLE NJ	401824	0744006	034	021	SW	5.21	004	1979		A				USGS	D
02030105	HEATHCOTE BK AT KINGSTON NJ	402210	0743659	034	023	SW	9.00		1975		R				USGS	D
02030105	MILLSTONE R AT KINGSTON NJ	402224	0743715	034	023	SW	172.00		1975		K				USGS	D
02030105	BEDEN BK NR ROCKY HILL NJ	402452	0743902	034	035	SW	27.60	004	1959		K				USGS	D
02030105	MILLSTONE R AT BLACKWELLS MILLS NJ	402830	0743434	034	035	SW	258.00	004	1923		E	E		E	USGS	D
02030105	MILLSTONE R AT WESTON NJ	403147	0743519	034	035	SW	271.00		1975		R				USGS	D
02030105	ROYCE BK TR AT FRANKFORT NJ	403021	0744024	034	035	SW	.29	004	1974	1975	K	E		K	USGS	D
02030105	ROYCE BK TR NR BELLE MEAD NJ	402956	0743905	034	035	SW	1.20	004	1966	1975	N	E		N	USGS	D
02030105	RARITAN R BL CALCO DAM AT BOUND BROOK NJ	403305	0743254	034	035	SW	785.00	004	1952	1974	B	B			USGS	D
02030105	RARITAN R AT QUEENS BRIDGE AT BOUND BROOK NJ	403334	0743141	034	035	SW	804.00	023	1964		A	A		R	USGS	D

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02030105	GREEN BK AT SEELEY MILLS NJ	403953	0742410	034	039	SW	6.23	004	1979		A				USGS	D
02030105	GREEN BK AT PLAINFIELD NJ	403653	0742555	034	039	SW	9.75	023	1959		R			S	USGS	D
02030105	STONY BK AT WATCHUNG NJ	403812	0742706	034	035	SW	5.51		1979		K			A	USGS	D
02030105	BOUND BK AT SOUTH BOUND BROOK NJ	403337	0743132	034	035	SW	65.00		1978		A	A			USGS	D
02030105	RARITAN R NR SOUTH BOUND BROOK NJ	403047	0743224	034	035	SW	862.00	003	1943		Q	Q		K	USGS	D
02030105	LAWRENCE BK,DAVIDSONS MILL RD NR PATRICKS CO	402458	0742938	034	023	SW	12.40		1976		R				USGS	D
02030105	LAWRENCE BK AT FARRINGTON DAM NJ	402700	0742705	034	023	SW	34.40	014	1932		A			A	USGS	D
02030105	LAWRENCE BK AT WESTONS MILLS NJ	402859	0742445	034	023	ES	42.00		1976		K				USGS	D
02030105	MATCHAPONIX BK NR ENGLISHTOWN NJ	401921	0742135	034	025	SW	29.10		1976		K				USGS	D
02030105	BARCLAY BK NR ENGLISHTOWN NJ	402053	0742127	034	023	SW	4.94		1976		A				USGS	D
02030105	MATCHAPONIX BK AT MUNDY AVE AT SPOTSWOOD NJ	402322	0742255	034	023	SW	44.10		1976		A				USGS	D
02030105	MANALAPAN BK AT SPOTSWOOD NJ	402322	0742327	034	023	SW	40.70	014	1960		A			A	USGS	D
02030105	MANALAPAN BK AT BRIDGE ST AT SPOTSWOOD NJ	402326	0742326	034	023	SW	43.90	004	1979		R				USGS	D
02030105	SOUTH R AT OLD BRIDGE NJ	402422	0742208	034	023	SW	94.60	124	1960	1978	R			R	USGS	D
02030105	SOUTH R BL DUHERNAL DAM AT OLD BRIDGE NJ	402500	0742143	034	023	SW	95.90		1979		K				USGS	D
02030105	RARITAN R AT PERTH AMBOY NJ	403031	0741730	034	023	ES	1101.00	004	1966	1968	A				USGS	C
02030201	NISSEQUOGUE RIVER NEAR SMITHTOWN NY	405058	0731329	036	103	SW	27.00	004	1967		Q				USGS	D
02030202	OAK BEACH INN NY	403800	0731700	036	103	ES			1970		W	B	B		USCE	
02030202	PECONIC RIVER AT RIVERHEAD NY	405449	0724114	036	103	SW	75.00	014	1966		R	N		R	USGS	D
02040103	LACKAWAXEN RIVER AT HAWLEY PA	412834	0751021	042	127	SW	290.00	014	1969	1975	P	A			USGS	P
02040104	DELAWARE R AT PORT JERVIS NY	412214	0744150	042	103	SW	3076.00	124	1956		W	K		W	USGS	D
02040104	SAWKILL CREEK AT MILFORD, PA.	411919	0744817	042	103	SW			1972	1974	E	E		E	USGS	D
02040104	RAYMONDSKILL C. NR. SILVER SPRING, PA.	411740	0745048	042	103	SW			1972	1973	R			R	USGS	D
02040104	DINGMANS C AT DINGMANS FERRY PA	411330	0745250	042	103	SW	15.20	004	1964	1973	R	A		R	USGS	D
02040104	LITTLE BUSHKILL CREEK AT BUSHKILL, PA.	410552	0750015	042	089	SW			1972	1973	R	A		R	USGS	D
02040104	BIG FLAT BK AT TUTTLES CORNER NJ	411200	0744856	034	037	SW	28.20	004	1963		K				USGS	D
02040104	FLAT BK NR FLATBROOKVILLE NJ	410624	0745709	034	037	SW	65.10	004	1923		E			E	USGS	D
02040104	DELAWARE R NR DELAWARE WATER GAP, PA.	410042	0750509	034	041	SW	3850.00	124	1964		2	E		2	USGS	D
02040104	DELAWARE R AT DUNNFIELD NJ	405840	0750810	034	041	SW	4150.00	124	1964		0	A		0	USGS	D
02040104	DELAWARE R AT PORTLAND PA	405530	0750555	042	095	SW	4165.00		1976		R				USGS	D
02040104	BROADHEAD 2 "UPPER" SITE PA466		0751821	042	089	SW			1978		C	C	C		USSCS	
02040105	PAULINS KILL AT BLAIRSTOWN NJ	405844	0745715	034	041	SW	126.00	014	1923		N				USGS	D
02040105	YARDS C NR BLAIRSTOWN NJ	405851	0750225	034	041	SW	7.16	014	1966		R			A	USGS	D
02040105	PAULINS KILL AT MOUTH AT COLUMBIA NJ	405514	0750518	034	041	SW	177.00		1976		R				USGS	D

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02040105	DELAWARE R NR RICHMOND PA (BELVIDERE NJ)	404944	0750506	034	041	SW	4380.00	014	1961		A				USGS	D
02040105	PEQUEST RIVER AT TOWNSBURY, NJ	405106	0745602	034	041	SW	92.50		1979		R				USGS	D
02040105	PEQUEST R AT PEQUEST NJ	404943	0745845	034	041	SW	108.00	004	1923		R				USGS	D
02040105	BEAVER BK NR BELVIDERE NJ	405040	0750248	034	041	SW	36.20	004	1923		K				USGS	D
02040105	PEQUEST R AT BELVIDERE NJ	404945	0750444	034	041	SW	158.00		1956		K				USGS	D
02040105	DELAWARE R AT NORTHAMPTON ST AT EASTON PA	404130	0751215	042	095	SW	4717.00		1956		R				USGS	D
02040105	LOPATCONG C AT PHILLIPSBURG NJ	404038	0751013	034	041	SW	14.20	004	1979		K			A	USGS	D
02040105	BRASS CASTLE C NR WASHINGTON NJ	404555	0750107	034	041	SW			1974		A				USGS	D
02040105	POHATCONG C AT NEW VILLAGE NJ	404257	0750420	034	041	SW	33.40	004	1959		K				USGS	D
02040105	POHATCONG C AT CARPENTERSVILLE NJ	403730	0751110	034	041	SW	57.10	004	1959		K				USGS	D
02040105	MUSCONETCONG R AT LOCKWOOD NJ	405510	0744407	034	037	SW	60.50		1979		K				USGS	D
02040105	MUSCONETCONG R AT BEATTYSTOWN	404848	0745032	034	041	SW	90.70		1976		K				USGS	D
02040105	MUSCONETCONG R NR BLOOMSBURY NJ	404020	0750340	034	041	SW	143.00	014	1923		E	E		E	USGS	D
02040105	MUSCONETCONG R AT RIEGELSVILLE NJ	403532	0751120	034	041	SW	156.00		1961		R				USGS	D
02040105	HAKIHOKAKE C AT MILFORD NJ	403406	0750544	034	019	SW	17.20	004	1959		R				USGS	D
02040105	HARIHOKAKE C NR FRENCHTOWN NJ	403253	0750409	034	019	SW	9.75	004	1959		R				USGS	D
02040105	DELAWARE R AT FRENCHTOWN NJ	403134	0750355	034	019	SW	6420.00		1976		R				USGS	D
02040105	TOHICKON CREEK NEAR PIPERSVILLE, PA.	402601	0750701	042	017	SW	97.40	004	1926		P	A			USGS	P
02040105	DELAWARE AND RARITAN CA AT KINGSTON NJ	402224	0743708	034	023	SW		124	1961		A			A	USGS	D
02040105	DELAWARE R AT LUMBERVILLE PA	402427	0750216	042	017	SW	6598.00		1976		R				USGS	D
02040105	WICKECHEOKE C AT STOCKTON NJ	402441	0745913	034	019	SW	26.60	004	1959		R				USGS	D
02040105	ALEXAUKEN C NR LAMBERTVILLE NJ	402251	0745654	034	019	SW	14.90	004	1959		R				USGS	D
02040105	DELAWARE R AT LAMBERTVILLE NJ	402153	0745657	034	019	SW	6680.00		1976		R				USGS	D
02040105	SWAN CK AT LAMBERTVILLE NJ	402151	0745641	034	019	SW	5.28		1975		A			A	USGS	D
02040105	DELAWARE R AT TRENTON NJ	401318	0744642	034	021	SW	6780.00	123	1943		O	R		O	USGS	D
02040105	ASSUNPINK C AT CARSONS MILLS NJ	401305	0743338	034	025	SW	12.50		1976		K				USGS	D
02040105	ASSUNPINK C NR CLARKSVILLE NJ	401611	0744020	034	021	SW	34.30	004	1963		K			A	USGS	D
02040105	ASSUNPINK C AT BAKERSVILLE NJ	401606	0744207	034	021	SW	38.60		1975		A			A	USGS	D
02040105	ASSUNPINK C AT TRENTON NJ	401327	0744458	034	021	SW	89.40	024	1923		A			A	USGS	D
02040106	AQUASHICOLA C AT PALMERTON PA	404822	0753554	042	025	SW			1979		Q				USCE	P
02040106	LEHIGH RIVER AT TANNERY, PA.	410225	0754545	042	079	SW	322.00	004	1979		A				USGS	D
02040106	LEHIGH RIVER AT WALNUTPORT, PA.	404525	0753612	042	095	SW	889.00	014	1948	1968	2			2	USGS	D
02040106	LITTLE LEHIGH CREEK NEAR ALLENTOWN, PA.	403456	0752900	042	077	SW	80.80	004	1962		E			E	USGS	D
02040106	JORDAN CR NR PLEASANT CORNERS, PA.	403955	0754119	042	077	SW		004	1972	1975	E			E	USGS	D

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02040106	SWITZER CREEK NR PLEASANT CORNERS, PA.	403934	0754133	042	077	SW	8.43	004	1967	1975	E			E	USGS	D
02040106	LYON CREEK AT LYON VALLEY, PA.	403730	0754027	042	077	SW			1972	1975	E			E	USGS	D
02040106	MILL CR NR SCHNECKSVILLE, PA.	404035	0753825	042	077	SW		004	1972	1975	E			E	USGS	D
02040106	JORDAN CREEK NEAR SCHNECKSVILLE, PA	403942	0753738	042	077	SW	53.00	004	1966	1975	E			E	USGS	D
02040106	JORDAN CREEK AT ALLENTOWN, PA.	403723	0752858	042	077	SW	75.80	004	1962		E	E		E	USGS	D
02040106	TULPEHOCKEN CR AT BERNVILLE, PA.	403510	0755340	042	011	SW		004	1972		E			E	USGS	D
02040201	CROSSWICKS C AT EXTONVILLE	400815	0743602	034	021	SW	83.60	014	1957		2	E		2	USGS	D
02040201	CROSSWICKS C AT GROVEVILLE NJ	401026	0744048	034	021	SW	94.50	004	1975		R				USGS	D
02040201	DOCTORS C AT ALLENTOWN NJ	401037	0743557	034	025	SW	17.20	004	1975		R				USGS	D
02040201	DOCTORS C AT RT 130 AT YARDVILLE NJ	401031	0744033	034	021	SW	25.80		1975		R				USGS	D
02040201	BLACKS C AT MANSFIELD SQUARE NJ	400702	0744158	034	005	SW	20.00	004	1979		S				USGS	D
02040201	BLACKS CK AT BORDENTOWN NJ	400814	0744242	034	005	SW	14.50		1975		R				USGS	D
02040201	CRAFTS C AT HEDDING NJ	400601	0744523	034	005	SW	10.60	004	1959		K				USGS	D
02040201	ASSISCUNK C AT COLUMBUS NJ	400325	0744327	034	005	SW	7.00	004	1957		K				USGS	D
02040201	ASSISCUNK C NR BURLINGTON NJ	400419	0744757	034	005	SW	37.20	004	1968		R				USGS	D
02040202	POQUESSING CREEK AT TREVOSE ROAD, PHILA., PA	400755	0745940	042	017	SW	5.08	003	1967	1973	E			E	USGS	D
02040202	POQUESSING CR ABOVE BYBERRY CR AT PHILA., PA	400410	0745833	042	101	SW	13.20	003	1967	1970	E			E	USGS	D
02040202	WALTON RUN AT PHILADELPHIA, PA.	400522	0745937	042	101	SW	2.17	003	1967	1970	E			E	USGS	D
02040202	BYBERRY CREEK AT CHALFONT ROAD, PHILA., PA.	400501	0745857	042	101	SW	5.34	003	1967	1973	E			E	USGS	D
02040202	BYBERRY CREEK AT GRANT AVE., PHILA., PA.	400345	0745947	042	101	SW	7.13	003	1964	1970	Q	E		Q	USGS	D
02040202	SB RANCOCAS C AT RETREAT	395523	0744305	034	005	SW	44.40		1975		K				USGS	D
02040202	SB RANCOCAS C AT VINCENTOWN NJ	395622	0744550	034	005	SW	53.30	014	1978		K				USGS	D
02040202	SWB RANCOCAS C AT RT 70 AT MEDFORD NJ	395416	0744847	034	005	SW	47.90		1979		A				USGS	D
02040202	NB RANCOCAS C AT BROWNS MILLS NJ	395804	0743448	034	005	SW	19.50		1975		R				USGS	D
02040202	MCDONALDS B IN LEBANON STATE FOREST NJ	395305	0743020	034	005	SW	2.31	004	1958		K			K	USGS	D
02040202	NB RANCOCAS C AT PEMBERTON NJ	395810	0744105	034	005	SW	111.00	004	1923		R			A	USGS	D
02040202	MILL CREEK NEAR WILLINGBORO NJ	400153	0745114	034	005	SW	4.12		1975		R			R	USGS	D
02040202	MILL C AT WILLINGBORO NJ	400158	0745246	034	005	SW	8.00	004	1959		R			R	USGS	D
02040202	MILL CREEK AT LEVITT PKY AT WILLINGBORO NJ	400209	0745338	034	005	SW	9.15		1975		R			R	USGS	D
02040202	PENNYPACK CREEK AT PINE RD., PHILADELPHIA, P	400523	0750410	042	101	SW	37.90	003	1967	1973	E			E	USGS	D
02040202	PENNYPACK CREEK BELOW VEREE ROAD AT PHILA.,	400504	0750334	042	101	SW	42.80	003	1940	1970	E			E	USGS	D
02040202	WOODEN BRIDGE RUN AT PHILA., PA.	400319	0750122	042	101	SW	3.35	003	1968	1972	E			E	USGS	D
02040202	NB PENNSAUKEN C NR MOORESTOWN NJ	395707	0745810	034	005	SW	12.80		1975		R				USGS	D
02040202	SB PENNSAUKEN C AT CHERRY HILL NJ	395630	0750005	034	007	SW	9.16		1967		E			E	USGS	D

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02040202	TACONY CREEK AT COUNTY LINE, PHILADELPHIA, P	400233	0750647	042	101	SW	16.70	003	1967	1973	E			E	USGS	D
02040202	FRANKFORD CREEK AT TORRESDALE AVE., PHILA.,	400025	0750533	042	101	SW	33.80		1967	1974	E			E	USGS	D
02040202	COOPER R AT NORCROSS RD AT LINDENWOLD NJ	394943	0745855	034	007	SW	1.13		1975		K				USGS	D
02040202	COOPER R AT KIRKWOOD NJ	395011	0750006	034	007	SW	5.13	004	1964		R				USGS	D
02040202	COOPER R AT LAWNSIDE NJ	395214	0750059	034	007	SW	12.70	004	1964		K				USGS	D
02040202	COOPER R AT HADDONFIELD NJ	395411	0750119	034	007	SW	17.40	003	1925		2	E		2	USGS	D
02040202	COOPER R AT CAMDEN NJ	395535	0750503	034	007	SW	35.20	003	1969		R				USGS	D
02040202	SB BIG TIMBER C AT BLACKWOOD TERRACE NJ	394805	0750427	034	015	SW	19.10		1975		K				USGS	D
02040202	SB BIG TIMBER C AT BLACKWOOD NJ	394817	0750433	034	007	SW	19.00	003	1964	1972	K			K	USGS	D
02040202	NB BIG TIMBER C AT GLENDORA NJ	395004	0750402	034	007	SW	18.80		1975		A				USGS	D
02040202	MANTUA C AT PITMAN NJ	394414	0750653	034	015	SW	6.05	024	1957		A				USGS	D
02040202	MANTUA C AT SEWELL NJ	394622	0750810	034	015	SW	14.70	004	1970	1972	K	A		K	USGS	D
02040202	MANTUA C AT MANTUA NJ	394742	0751021	034	015	SW	41.50		1975		A				USGS	D
02040202	DARBY CREEK AT WATERLOO MILLS NEAR DEVON, PA	400121	0752520	042	029	SW	5.15	003	1972		A				USGS	C
02040202	DARBY CREEK NEAR DARBY, PA.	395544	0751622	042	045	SW	37.40	003	1967	1972	E			E	USGS	D
02040202	COBBS CR AT U.S. HGHWY NO. 1 AT PHILA., PA.	395929	0751649	042	101	SW	4.78	003	1964	1973	3	E		3	USGS	D
02040202	COBBS CR BLW INDIAN CR NR UPPER DARBY, PA.	395752	0751531	042	101	SW	10.60	003	1967	1973	E			E	USGS	D
02040202	COBBS CREEK AT DARBY, PA.	395502	0751452	042	045	SW	22.00	003	1967	1973	E			E	USGS	D
02040202	EAST BRANCH CRUM CREEK NEAR PAOLI, PA.	400028	0752755	042	029	SW	5.30	003	1973		A				USGS	C
02040202	WEST BRANCH CRUM CREEK NEAR PAOLI, PA.	395952	0752738	042	029	SW	10.30	003	1973	1979	A				USGS	C
02040202	RIDLEY CREEK NEAR GOSHENVILLE, PA.	395926	0753238	042	029	SW	4.50	003	1973	1979	A				USGS	C
02040202	RIDLEY CREEK NEAR DUTTON MILL, PA.	395850	0753100	042	029	SW	9.70	003	1973	1979	A				USGS	C
02040202	CHESTER CREEK NEAR WEST CHESTER, PA.	395949	0753540	042	029	SW	2.00	003	1973	1979	A				USGS	C
02040202	CHESTER CREEK NEAR MILLTOWN, PA.	395821	0753257	042	029	SW	6.00	003	1973	1979	A				USGS	C
02040202	CHESTER CREEK AT WESTTOWN SCHOOL, PA.	395621	0753228	042	029	SW	10.10	003	1973		A				USGS	C
02040202	GOOSE CREEK NEAR WEST CHESTER, PA.	395601	0753331	042	029	SW	4.30	003	1973		A				USGS	C
02040202	RACCOON C NR MULLICA HILL NJ	394231	0751205	034	015	SW	9.00	004	1952		A				USGS	D
02040202	RACCOON C NR SWEDESBORO NJ	394428	0751533	034	015	SW	29.90	004	1965		2	E		2	USGS	D
02040202	SB MILL CK AT RANCOCAS NJ	400046	0745159	034	005	SW			1975		A	A		A	USGS	D
02040202	MILL CK TR NO 2 AT RANCOCAS NJ	400111	0745148	034	005	SW			1975		A	A		A	USGS	D
02040202	MILL C TR 2 AT WOODLANE RD AT WILLINGBORO NJ	400141	0745212	034	005	SW			1975		R			R	USGS	D
02040202	SB MILL CK AT LEVITT PARKWAY AT WILLINGBORO	400153	0745322	034	005	SW			1975		R			R	USGS	D
02040202	MILL CK AT WILLINGBORO PARKWAY AT WILLINGBOR	400158	0745159	034	005	SW			1975		R			R	USGS	D
02040202	MILL CK TRIB AT NORTHAMPTON DR AT WILLINGBOR	400207	0745153	034	005	SW			1975		R			R	USGS	D

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02040203	WEST BR SCHUYLKILL R AT CRESSONA, PA.	403803	0761131	042	107	SW	52.50	004	1925		4	A		4	PA001	D
02040203	PICKERING CREEK TRIB NR KIMBERTON, PA.	400649	0753618	042	029	SW	3.06	004	1968		P				PA001	D
02040203	WEST BRANCH BRANDYWINE CREEK AT WAWASET, PA.	395534	0753947	042	029	SW	134.00	004	1945		P		A		PA001	D
02040203	MAIDEN C NR VIRGINVILLE PA	403130	0755231	042	011	SW			1979		Q				USCE	P
02040203	SCHUYLKILL RIVER AT PORT CARBON, PA.	404140	0760955	042	107	SW	27.10	004	1949	1978	W	A		W	USGS	D
02040203	SCHUYLKILL RIVER AT POTTSVILLE, PA.	404101	0761112	042	107	SW	53.40	004	1947		4	A		4	USGS	D
02040203	SCHUYLKILL R AT LANDINGVILLE, PA.	403735	0760730	042	107	SW	133.00	014	1947	1975	4	A		4	USGS	D
02040203	SCHUYLKILL RIVER AT AUBURN, PA.	403605	0760520	042	107	SW	160.00	004	1946	1975	4	A		4	USGS	D
02040203	LITTLE SCHUYLKILL RIVER AT SOUTH TAMAQUA, PA	402623	0755725	042	107	SW	65.70	004	1948	1975	4	A		4	USGS	D
02040203	LITTLE SCHUYLKILL RIVER AT DREHERSVILLE, PA.	403840	0760050	042	107	SW	122.00	014	1946	1975	4	A		4	USGS	D
02040203	SCHUYLKILL RIVER AT BERNE, PA.	403121	0755955	042	011	SW	355.00	004	1946		0	S		0	USGS	D
02040203	SACONY CR AT SALLY ANN FURNACE, NR BOWERS, P	402813	0754300	042	011	SW			1974	1975	K			K	USGS	D
02040203	LITTLE SACONY CREEK NEAR BOWERS, PA.	402750	0754340	042	011	SW			1974	1975	K			K	USGS	D
02040203	SACONY CREEK ABOVE BOWERS, PA.	402858	0754425	042	011	SW	5.70	004	1974		E			E	USGS	D
02040203	SACONY CREEK BELOW BOWERS, PA.	402920	0754445	042	011	SW			1967	1975	K			K	USGS	D
02040203	SACONY CREEK TRIB NEAR BOWERS, PA.	402923	0754405	042	011	SW			1974	1975	K			K	USGS	D
02040203	SACONY CREEK ABOVE KUTZTOWN, PA.	402942	0754507	042	011	SW			1974	1975	K			K	USGS	D
02040203	SACONY CREEK AT NORMAL AVE. AT KUTZTOWN, PA.	403057	0754617	042	011	SW	20.40	004	1974	1975	K			K	USGS	D
02040203	SACONY CREEK AT KUTZTOWN, PA.	403127	0754703	042	011	SW			1974	1975	K			K	USGS	D
02040203	SACONY CREEK BELOW KUTZTOWN, PA.	403155	0754708	042	011	SW			1974	1975	K			K	USGS	D
02040203	SACONY CR AT GREENWICH BRIDGE, NR KUTZTOWN,	403212	0754757	042	011	SW			1974	1975	K			K	USGS	D
02040203	MAIDEN CREEK NEAR EAST BERKLEY, PA.	402555	0755619	042	011	SW	192.00	004	1962	1965	P				USGS	D
02040203	NORTHKILL CR AT BERNVILLE, PA.	402550	0760651	042	011	SW	42.00	004	1972		E			E	USGS	D
02040203	NORTHKILL CR AT BERNVILLE, PA.	402550	0760651	042	011	SW		004	1973	1973	M		A		USGS	
02040203	TULPEHOCKEN CR, BL MARSH DAMSITE NR READING,	402200	0760116	042	011	SW	175.00	004	1967		E			E	USGS	D
02040203	TULPEHOCKEN CREEK NEAR READING, PA.	402208	0755846	042	011	SW	211.00	004	1925		4			4	USGS	D
02040203	SCHUYLKILL RIVER AT POTTSTOWN, PA.	401430	0753905	042	091	SW	1147.00	004	1943		2			2	USGS	D
02040203	PIGEON CREEK NEAR BUCKTOWN, PA.	401150	0754010	042	029	SW	3.90	004	1973	1979	A				USGS	C
02040203	PIGEON CREEK NEAR PORTERS MILL, PA.	401127	0753810	042	029	SW	7.70	004	1973	1979	A				USGS	C
02040203	PIGEON CREEK NEAR PARKER FORD, PA.	401203	0753710	042	029	SW	11.80	004	1973		A				USGS	C
02040203	STONY RUN NEAR SPRING CITY, PA.	401011	0753445	042	029	SW	2.10	004	1973	1979	A				USGS	C
02040203	STONY RUN AT SPRING CITY, PA.	401001	0753257	042	029	SW	3.90	004	1973	1979	A				USGS	C
02040203	FRENCH CREEK NEAR TRYTHALL, PA.	401200	0754553	042	029	SW	4.50	004	1973	1979	A				USGS	C
02040203	FRENCH CREEK NEAR KNAURERTOWN, PA.	401109	0754528	042	029	SW	11.70	004	1973		A				USGS	C

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02040203	FRENCH CREEK NEAR COVENTRYVILLE, PA.	401014	0754150	042	029	SW	23.60	004	1973	1979	A				USGS	C
02040203	FRENCH C NR COVENTRYVILLE, PA	400917	0754251	042	029	SW	12.30	004	1969		A				USGS	C
02040203	FRENCH CREEK NEAR PUGHTOWN, PA.	400914	0753825	042	029	SW	47.70	004	1973		A				USGS	C
02040203	FRENCH CREEK NEAR PHOENIXVILLE, PA.	400905	0753606	042	029	SW	59.10	004	1950		E			E	USGS	D
02040203	FRENCH CREEK AT PHOENIXVILLE, PA.	400807	0753105	042	029	SW	71.00	003	1973		A				USGS	C
02040203	PICKERING CREEK NEAR EAGLE, PA.	400443	0753914	042	029	SW	3.00	004	1973		A				USGS	C
02040203	PICKERING CREEK NEAR CHESTER SPRINGS, PA.	400522	0753750	042	029	SW	5.98	004	1967	1979	E			E	USGS	D
02040203	UNNAMED TRIB TO PICKERING CR NR CHESTER SPS,	400607	0753932	042	029	SW	1.12	004	1967	1968	R			R	USGS	D
02040203	PICKERING CR TRIB AT CHESTER SPRINGS, PA.	400603	0753738	042	029	SW	4.33	004	1968	1968	P				USGS	D
02040203	PINE CR AT SHARP FARM NR LIONVILLE, PA.	400340	0753828	042	029	SW		004	1968	1968	R			R	USGS	D
02040203	PINE CREEK AT CHESTER SPRINGS, PA.	400514	0753645	042	029	SW	5.06	004	1967	1968	A			A	USGS	D
02040203	PIGEON RUN AT RAPPS CORNER, PA	400458	0753531	042	029	SW	1.06	004	1973	1973	A				USGS	C
02040203	ROCK RUN AT CHARLESTOWN, PA	401543	0753234	042	001	SW	26.00	004	1968	1968	A				USGS	C
02040203	ROCK RUN AT CHARLESTOWN, PA.	400543	0753234	042	029	SW	2.57	004	1967	1968	K			K	USGS	D
02040203	PICKERING CREEK NEAR PHOENIXVILLE, PA.	400633	0753142	042	029	SW	31.40	004	1973		P				USGS	D
02040203	INDIAN CREEK NR ZIONSVILLE, PA.	402732	0753120	042	077	SW	3.82	004	1967	1967	P				USGS	D
02040203	PERKIOMEN CREEK AT GRATERFORD, PA.	401346	0752707	042	091	SW	279.00	014	1948		2	E		2	USGS	D
02040203	SKIPPACK CREEK NEAR COLLEGEVILLE, PA.	400952	0752601	042	091	SW	53.70	004	1969	1973	2	N		2	USGS	D
02040203	LITTLE VALLEY CR NR VALLEY FORGE, PA.	400351	0752822	042	029	SW	7.10	003	1973		A				USGS	C
02040203	VALLEY CREEK NR VALLEY FORGE, PA.	400408	0752825	042	029	SW	12.10	003	1973		A				USGS	C
02040203	SCHUYLKILL RIVER AT MANAYUNK, PHILA., PA.	400141	0751344	042	101	SW	1830.00	003	1946		O	R		O	USGS	D
02040203	WISSAHICKON CR AT FORT WASHINGTON, PA.	400726	0751313	042	091	SW	40.80	004	1962	1969	2	E		2	USGS	D
02040203	WISSAHICKON CR AT LIVEZEY LANE, PHILA., PA.	400259	0751252	042	101	SW	59.20	004	1967	1970	E			E	USGS	D
02040203	SCHUYLKILL RIVER AT PHILADELPHIA, PA.	395942	0751140	042	101	SW	1893.00	124	1925		2			2	USGS	D
02040203	EAST BR BRANDYWINE CR AT GLENMOORE, PA.	400548	0754644	042	029	SW	16.50	004	1974	1975	P				USGS	D
02040203	INDIAN RUN AT GLENMOORE, PA.	400441	0754619	042	029	SW	6.29	004	1966	1968	S			S	USGS	D
02040203	CULBERTSON RUN AT LYNDELL, PA.	400329	0754507	042	029	SW	3.92	004	1967	1968	S			S	USGS	D
02040203	WEST BR SUSQUEHANNA RIVER AT RENOVO, PA.	411928	0774503	042	035	SW	2975.00	014	1950		2	E		2	USGS	D
02040205	WHITE CLAY CREEK NEAR AVONDALE, PA.	394939	0754652	042	029	SW	10.30	003	1973		A				USGS	C
02040205	WHITE CLAY CREEK NEAR WICKERTON, PA.	394744	0754927	042	029	SW	10.00	004	1973		A				USGS	C
02040205	W BR WHITE CLAY CR NR CHESTERVILLE, PA.	394556	0754747	042	029	SW	10.00	004	1973		A				USGS	C
02040205	WHITE CLAY C AB NEWARK DE	394250	0754535	010	003	SW	66.70	004	1955		E	E		E	USGS	D
02040205	RED CLAY CREEK NEAR KENNETT SQUARE, PA.	395013	0754333	042	029	SW	10.00	003	1973		A				USGS	C
02040205	RED CLAY CREEK NEAR FIVE POINT, PA.	394911	0754129	042	029	SW	10.20	003	1973		A				USGS	C

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02040205	RED CLAY C AT WOODDALE DE	394552	0753808	010	003	SW	47.00		1953		2			2	USGS	D
02040205	WEST BR BRANDYWINE CREEK NEAR HONEY BROOK, P	400422	0755140	042	029	SW	18.70	004	1965	1972	P	A	A		USGS	D
02040205	W BR BRANDYWINE CR NR COATESVILLE, PA.	400017	0754931	042	029	SW	35.50	003	1973		A				USGS	C
02040205	BUCK RUN NEAR DOE RUN, PA.	395544	0754947	042	029	SW	44.10	004	1973		A				USGS	C
02040205	DOE RUN NEAR SPRINGDALE, PA.	395421	0754942	042	029	SW	12.70	004	1973		A				USGS	C
02040205	WB BRANDYWINE C 2.7 MILES SW OF WESTCHESTER,	395530	0753949	042	029	SW	135.00	004	1969		A				USGS	C
02040205	E BR BRANDYWINE CR NR STRUBLE DAM, PA.	400605	0755140	042	029	SW	4.30	014	1973	1979	A				USGS	C
02040205	EAST BRANCH BRANDYWINE CREEK NEAR CUPOLA, PA	400541	0755114	042	029	SW	5.80	004	1973		A				USGS	C
02040205	EAST BR BRANDYWINE CR AT CUPOLA, PA.	400555	0755044	042	029	SW	6.20	004	1967	1968	K			K	USGS	D
02040205	EAST BR BRANDYWINE TRIB NR CUPOLA, PA.	400630	0754933	042	029	SW	3.70	004	1966	1968	P				USGS	D
02040205	EB BRANDYWINE C NR GLENMOORE PA	400544	0754643	042	029	SW	16.50	004	1969		A				USGS	C
02040205	EAST BR. BRANDYWINE CREEK NEAR GLENMOORE, PA	400425	0754901	042	029	SW	4.10	004	1966		P				USGS	D
02040205	INDIAN RUN NEAR SPRINGTON, PA.	400430	0754657	042	029	SW	4.10	004	1967	1979	E			E	USGS	D
02040205	EAST BR BRANDYWINE CR AT LYNDELL, PA.	400334	0754440	042	029	SW	27.10	004	1966	1974	E			E	USGS	D
02040205	EAST BR BRANDYWINE CR NR DORLAN, PA.	400308	0754328	042	029	SW	33.40	004	1966	1968	R			R	USGS	D
02040205	MARSH CREEK NR LYNDELL, PA.	400358	0754338	042	029	SW	17.80	004	1965	1967	P				USGS	D
02040205	EAST BR BRANDYWINE CR NR DOWNINGTOWN, PA.	400205	0754232	042	029	SW	60.60	004	1954		P				USGS	D
02040205	EAST BR BRANDYWINE CR AT DOWNINGTOWN, PA.	400020	0754220	042	029	SW	81.60	024	1965	1966	P				USGS	D
02040205	VALLEY CREEK AT MULLSTEINS MEADDWS, PA.	395831	0753948	042	029	SW	20.40	004	1973		A				USGS	C
02040205	EAST BRANCH BRANDYWINE CREEK AT WAWASET, PA.	395531	0753855	042	029	SW	124.00	004	1925	1979	A				USGS	C
02040205	BRANDYWINE CREEK AT CHADDS FORD, PA.	395209	0753535	042	029	SW	287.00	004	1948		O	E		O	USGS	D
02040205	BRANDYWINE C AT WILMINGTON DE	394609	0753425	010	003	SW	314.00		1946		O	E		O	USGS	D
02040205	ELK CREEK NEAR OXFORD, PA.	394645	0755527	042	029	SW	10.40	004	1973		A				USGS	C
02040206	MAURICE R AT NORMA NJ	392942	0750438	034	033	SW	113.00	004	1923		2	E		2	USGS	D
02040206	COHANSEY R AT SEELEY NJ	392821	0751521	034	011	SW	28.00		1975		R			A	USGS	D
02040206	COHANSEY R AT BRIDGETON NJ	392554	0751411	034	011	SW	47.30		1975		K				USGS	D
02040206	OLDMANS C AT PORCHES MILL NJ	394157	0752001	034	033	SW	21.00		1975		K			A	USGS	D
02040206	SALEM R AT WOODSTOWN NJ	393836	0751952	034	033	SW	14.60	004	1957		K			A	USGS	D
02040301	MANASQUAN R NR GEORGIA NJ	401236	0741641	034	025	SW	10.60	004	1970		E	E		E	USGS	D
02040301	DEBOIS C AT ADELPHIA NJ	401302	0741550	034	025	SW	7.21	004	1970	1973	K			K	USGS	D
02040301	DEBOIS C AT WYCKOFF MILLS NJ	401233	0741608	034	025	SW	7.67	003	1970	1974	N			N	USGS	D
02040301	MANASQUAN R AT WEST FARMS NJ	401134	0741144	034	025	SW	33.50	004	1959	1974	N			N	USGS	D
02040301	MANASQUAN R TR NR FARMINGDALE NJ	401047	0741122	034	025	SW	3.00	003	1971	1974	E			E	USGS	D
02040301	MARSH BOG BK AT SQUANKUM NJ	401001	0740933	034	025	SW	4.91	004	1970		R				USGS	D

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02040301	MANASQUAN R AT SQUANKUM NJ	400947	0740921	034	025	SW	43.40	004	1959		E	E		E	USGS	D
02040301	MINGAMAHONE BK AT FARMINGDALE NJ	401138	0740942	034	025	SW	6.20	004	1970	1974	N			N	USGS	D
02040301	NB METEDECONK R NR WYCKOFF MILLS N. J.	401052	0741717	034	025	SW	5.52		1976		K			A	USGS	D
02040301	NB METEDECONK R NR LAKEWOOD NJ	400530	0740910	034	029	SW	34.90		1973		R			A	USGS	D
02040301	BARNEGAT BAY AT BAY SHORE NJ	395656	0740652	034	029	ES		004	1979		A				USGS	D
02040301	TOMS R NR TOMS RIVER NJ	395910	0741329	034	029	SW	124.00	124	1960		Q	Q		K	USGS	D
02040301	OYSTER C NR BRDOKVILLE NJ	394754	0741502	034	029	SW	7.43	004	1965		R			R	USGS	D
02040301	WESTECUNK C AT STAFFORD FORGE NJ	393955	0741911	034	029	SW	16.00	004	1973		R			R	USGS	D
02040301	MULLICA R AT OUTLET OF ATSION LK AT ATSION N	394425	0744337	034	005	SW	26.70		1975		R				USGS	D
02040301	MULLICA R NR BATSTD NJ	394028	0743955	034	001	SW	46.10	004	1925		E			E	USGS	D
02040301	HAMMONTON CK AT WESCOATVILLE NJ	393802	0744305	034	005	SW	9.60		1974		R				USGS	D
02040301	BATSTO R AT BATSTO NJ	393833	0743900	034	005	SW	70.50	004	1925		R			R	USGS	D
02040301	WEST BRANCH WADING RIVER NEAR JENKINS NJ	394117	0743254	034	005	SW	84.10		1978		A			A	USGS	D
02040301	WB WADING R AT MAXWELL NJ	394030	0743228	034	005	SW	85.90		1976		A	Q			USGS	D
02040301	OSWEGO R AT HARRISVILLE NJ	393947	0743126	034	005	SW	64.00	004	1925		K			A	USGS	D
02040301	EB BASS R NR NEW GRETNA NJ	393723	0742630	034	005	SW	8.11	004	1975		K			A	USGS	D
02040301	MULLICA R AT PLEASANT MILLS NJ	393825	0743935	034	005	ES			1975		R				USGS	D
02040302	ABSECON C AT ABSECON NJ	392545	0743116	034	001	SW	16.60	124	1923		R			A	USGS	D
02040302	GREAT EGG HARBOR R NR SICKLERVILLE NJ	394402	0745705	034	007	SW	15.10	003	1971		S			E	USGS	D
02040302	GREAT EGG HARBOR R TR AT SICKLERVILLE NJ	394331	0745739	034	007	SW	1.64	003	1972		O	E		O	USGS	D
02040302	GREAT EGG HARBOR R TR 2 AT WINSLOW CROSSING	394217	0745701	034	007	SW	.52	003	1972		K			K	USGS	D
02040302	FOURMILE B AT NEW BROOKLYN NJ	394147	0745625	034	007	SW	7.74	003	1972		W			W	USGS	D
02040302	GREAT EGG HARBOR R NR BLUE ANCHOR NJ	394009	0745449	034	007	SW	37.30	003	1972		E			E	USGS	D
02040302	GREAT EGG HARBOR R AT FOLSOM NJ	393542	0745106	034	001	SW	56.30	004	1925	1978	2			2	USGS	D
02040302	GREAT EGG HARBOR R AT WEYMOUTH NJ	393050	0744647	034	001	SW	154.00		1975		R				USGS	D
02040302	TUCKAHOE R AT HEAD OF RIVER NJ	391825	0744915	034	001	SW	30.80	004	1959		K			A	USGS	D
02040302	MANANTICO C NR MILLVILLE NJ	392512	0745800	034	011	SW	22.30	004	1979		R			K	USGS	D
02050101	SUSQUEHANNA RIVER AT UNADILLA, N.Y.	421917	0751901	036	077	SW	982.00	004	1954	1975	E				USGS	D
02050101	UNADILLA RIVER NEAR NEW BERLIN, N.Y.	423835	0751925	036	017	SW	199.00	004	1965	1968	W				USGS	D
02050101	UNADILLA RIVER AT ROCKDALE, N. Y.	422240	0752423	036	017	SW	520.00	014	1954	1971	A	A			USGS	D
02050101	SUSQUEHANNA R NR. GREAT BEND, PA.	415748	0754433	042	115	SW	2086.00	014	1969		E			E	USGS	D
02050101	SUSQUEHANNA RIVER AT CONKLIN, N.Y.	420207	0754812	036	007	SW	2232.00	014	1953	1975	E	E			USGS	C
02050102	CHENANGO RIVER AT GREENE, N. Y.	421928	0754618	036	017	SW	593.00	004	1953	1971	A				USGS	D
02050102	GRIDLEY CREEK ABOVE EAST VIRGIL NY	423004	0760738	036	023	SW	10.40	004	1974		E			E	USGS	D

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02050103	SUSQUEHANNA R AT SAYRE, PA.	415852	0763026	042	015	SW			1974		2	E		2	PA001	D
02050103	OWEGO CREEK NEAR OWEGO, N. Y.	420740	0761617	036	107	SW	185.00	004	1953	1972	A				USGS	C
02050103	SUSQUEHANNA RIVER NEAR WAVERLY, N.Y.	415905	0763005	042	015	SW	4773.00	124	1962	1972	A			A	USGS	D
02050104	TIOGA RIVER ABOVE MORRIS RUN, PA.	413932	0770253	042	117	SW			1975	1977	H			S	PA001	D
02050104	MORRIS RUN NEAR BLOSSBURG, PA.	413947	0770223	042	117	SW			1975	1977	H			E	PA001	D
02050104	COAL CREEK AT BLOSSBURG, PA.	414017	0770341	042	117	SW			1975	1977	H				PA001	D
02050104	BEAR CREEK AT BLOSSBURG, PA.	414100	0770353	042	117	SW			1975	1977	H				PA001	D
02050104	TIOGA RIVER AT BLOSSBURG, PA.	414131	0770409	042	117	SW			1975	1977	H			N	PA001	D
02050104	TIOGA R AT COUNTY BRIDGE, PA	414041	0765630	042	117	SW			1979		Z			Z	USGS	D
02050104	TIOGA RIVER ABOVE MORRIS RUN, PA.	413932	0770253	042	117	SW	57.50		1979		Z			Z	USGS	D
02050104	MORRIS RN NR MORRIS RUN, PA	414016	0770125	042	117	SW			1979		Z			Z	USGS	D
02050104	COAL RUN AT BLOSSBURG, PA	414017	0770341	042	117	SW	1.81		1979		Z			Z	USGS	D
02050104	JOHNSON C AT BLOSSBURG, PA	414021	0770421	042	117	SW			1979		Z			Z	USGS	D
02050104	TIOGA RIVER NEAR MANSFIELD, PA.	414734	0770444	042	117	SW	153.00		1975		N			N	USGS	D
02050104	COREY CREEK NEAR MAINESBURG, PA.	414727	0770054	042	117	SW	12.20	004	1954	1975	2	Q		2	USGS	D
02050104	TIOGA RIVER AT LAMBS CREEK, PA.	415030	0770613	042	117	SW	186.00		1973	1978	H			R	USGS	D
02050104	ELK RUN NEAR MAINESBURG, PA.	414854	0765755	042	117	SW	10.20	004	1953	1975	2	Q		2	USGS	D
02050104	MILL CR NR TIOGA, PA.	415255	0770715	042	117	SW	76.80	004	1973	1978	Q			K	USGS	D
02050104	TIOGA RIVER AT TIOGA, PA.	415430	0770747	042	117	SW	282.00	004	1965	1978	M			E	USGS	D
02050104	CROOKED CREEK AT MIDDLEBURY CENTER, PA.	415035	0771630	042	117	SW	74.20		1973	1978	Q			R	USGS	D
02050104	CROOKED CREEK AT TIOGA, PA.	415408	0770855	042	117	SW	122.00	004	1965	1975	M			N	USGS	D
02050104	CROOKED CR AT TIOGA, PA.	415455	0770842	042	117	SW	131.00		1975		K			N	USGS	D
02050104	TIOGA RIVER AT TIOGA JUNCTION, PA.	415727	0770658	042	117	SW	446.00	004	1969	1978	M			E	USGS	D
02050104	COWANESQUE RIVER AT WESTFIELD, PA.	415455	0773417	042	117	SW			1973	1975	E			E	USGS	D
02050104	MILL CREEK AT WESTFIELD, PA.	415515	0773207	042	117	SW			1973	1974	N			N	USGS	D
02050104	COWANESQUE RIVER AT COWANESQUE, PA.	415533	0773118	042	117	SW			1973	1974	N			N	USGS	D
02050104	TROUPS CREEK AT KNOXVILLE, PA.	415805	0772655	042	117	SW	66.50	004	1973	1974	N			N	USGS	D
02050104	COWANESQUE RIVER AT NELSON, PA.	415825	0771435	042	117	SW	266.00	004	1973		K			R	USGS	D
02050104	COWANESQUE RIVER NR. LAWRENCEVILLE, PA.	415904	0770906	042	117	SW	298.00	004	1969	1977	E			E	USGS	D
02050104	TIOGA RIVER AT LINDLEY NY	420144	0770757	036	101	SW	771.00	004	1964	1978	O	E		O	USGS	D
02050104	CANISTEO RIVER BELOW CANACADEA CR AT HORNELL	421850	0773905	036	101	SW	158.00	004	1953	1975	A			A	USGS	D
02050104	CANISTEO RIVER AT WEST CAMERON, N. Y.	421320	0772505	036	101	SW	340.00		1955	1957	W				USGS	D
02050104	CANISTEO RIVER AT ADDISON NY	420625	0771403	036	101	SW			1972	1972	A			A	USGS	D
02050104	TIOGA RIVER NEAR ERWINS, N. Y.	420715	0770745	036	101	SW	1377.00	004	1975	1975	A	A		A	USGS	D

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02050105	NEWTOWN CREEK	420848	0764846	036	015	SW			1976	1976	B				SRBC	
02050105	NEWTOWN CREEK	421357	0764330	036	015	SW			1976	1976	B				SRBC	
02050105	NEWTOWN CREEK	421400	0764550	036	015	SW			1976	1976	B				SRBC	
02050105	COHOCTON RIVER NEAR CAMPBELL, N. Y.	421510	0771300	036	101	SW	470.00	024	1953	1972	A				USGS	D
02050105	CHEMUNG RIVER AT CORNING NY	420847	0770328	036	101	SW	2006.00	124	1973	1975	A	A		A	USGS	D
02050105	CHEMUNG RIVER AT BIG FLATS NY	420725	0765708	036	015	SW		004	1966	1975	A	A		A	USGS	D
02050105	CHEMUNG RIVER AT CHEMUNG NY	420008	0763806	036	015	SW	2506.00	124	1952	1977	E	E		E	USGS	D
02050106	SUSQUEHANNA RIVER AT TOWANDA, PA.	414555	0762628	042	015	SW	7797.00	004	1935		3			3	USGS	D
02050106	TOWANDA C AT POWELL, PA	414218	0763032	042	015	SW			1979		Z			Z	USGS	D
02050106	SCHRADER C AT POWELL, PA	414218	0763019	042	015	SW			1979		Z			Z	USGS	D
02050106	TOWANDA CREEK NEAR MONROETOWN, PA.	414227	0762820	042	015	SW	215.00	004	1966	1968	K			K	USGS	D
02050106	TUNKHANNOCK CREEK NEAR TUNKHANNOCK, PA.	413329	0755342	042	131	SW	383.00	004	1963		2			2	USGS	D
02050107	LACKAWANNA RIVER AT OLD FORGE, PA.	412133	0754441	042	069	SW	332.00	014	1928		P	A			USGS	D
02050107	SUSQUEHANNA RIVER NEAR HUNLOCK CREEK, PA.	411119	0760513	042	079	SW	10140.00	004	1955		A			A	USGS	D
02050107	FISHING CREEK NEAR BLOOMSBURG, PA.	410441	0762553	042	037	SW	274.00	004	1965	1969	2	K		2	USGS	D
02050107	APPLEMANS RUN ABOVE LIGHT STREET, PA.	410153	0762513	042	037	SW	1.72	003	1970	1973	2	E		2	USGS	D
02050107	APPLEMANS RUN BELOW LIGHT STREET, PA.	410155	0762539	042	037	SW	1.99	003	1970	1973	2	E		2	USGS	D
02050107	SUSQUEHANNA RIVER AT DANVILLE, PA.	405729	0763710	042	093	SW	11220.00	004	1944		E	M		E	USGS	D
02050201	W BR SUSQUEHANNA R AT CHERRY TREE, PA	404226	0784810	042	021	SW			1979		Z			Z	USGS	D
02050201	CUSH C NR GLEN CAMPBELL, PA	404951	0784727	042	033	SW			1979		Z			Z	USGS	D
02050201	CHEST C AT PATTON, PA	403802	0783850	042	021	SW			1979		Z			Z	USGS	D
02050201	BRUBAKER RN NR HASTINGS, PA	404215	0784135	042	021	SW			1979		Z			Z	USGS	D
02050201	L BRUBAKER RN NR HASTINGS, PA	404221	0784142	042	021	SW			1979		Z			Z	USGS	D
02050201	S BR BEAR RN AT MCGEES MILLS, PA	405301	0784556	042	033	SW			1979		Z			Z	USGS	D
02050201	CHEST C AT MAHAFFEY, PA	405206	0784314	042	033	SW			1979		Z			Z	USGS	D
02050201	WEST BRANCH SUSQUEHANNA RIVER AT BOWER, PA.	405349	0784038	042	033	SW	315.00	004	1930		2	Q		2	USGS	D
02050201	BELL RN AT BELLS LANDING, PA	405500	0783800	042	033	SW	16.30	004	1979		Z			Z	USGS	D
02050201	ANDERSON C NR PENFIELD, PA	410751	0783614	042	033	SW			1979		Z			Z	USGS	D
02050201	SANDY RN AT VAN ORMER PA	404000	0782937	042	021	SW			1979		Z			Z	USGS	D
02050201	DOTTS HOLLOW NR IRVONA PA	404717	0783132	042	033	SW			1979		Z			Z	USGS	D
02050201	TROUT RN AT SHAWVILLE, PA	410425	0782143	042	033	SW			1979		Z			Z	USGS	D
02050201	MILLSTONE RN NR SHAWVILLE, PA	410302	0782021	042	033	SW			1979		Z			Z	USGS	D
02050201	SURVEYOR RN AT SURVEYOR, PA	410426	0781939	042	033	SW			1979		Z			Z	USGS	D
02050201	DEER C NR FRENCHVILLE, PA	410442	0781411	042	033	SW			1979		Z			Z	USGS	D

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02050201	ROLLING STONE RN NR ROLLING STONE, PA	410325	0780936	042	033	SW			1979		Z			Z	USGS	D
02050201	MOWRY RN AT ROLLING STONE, PA	410323	0780919	042	033	SW			1979		Z			Z	USGS	D
02050201	TROUT RN AT EDENDALE, PA	405012	0781606	042	033	SW			1979		Z			Z	USGS	D
02050201	COLD STREAM ABOVE GLASS CITY, PA	405204	0781226	042	027	SW			1979		Z			Z	USGS	D
02050201	COLD STREAM AT PHILIPSBURG, PA	405411	0781239	042	027	SW			1979		Z			Z	USGS	D
02050201	EMIGH RN AT HAWK RUN, PA	405517	0781238	042	033	SW			1979		Z			Z	USGS	D
02050201	SALTLICK RN NR POTTERSDALE, PA	410915	0780600	042	033	SW			1979		Z			Z	USGS	D
02050202	S BR BENNETT BR SINNEMAHONING C NR PENFIELD,	411027	0783500	042	033	SW			1979		Z			Z	USGS	D
02050202	MOUNTAIN RN NR PENFIELD, PA	411140	0783602	042	033	SW			1979		Z			Z	USGS	D
02050202	WILSON RN NR PENFIELD, PA	411232	0783430	042	033	SW			1979		Z			Z	USGS	D
02050202	MOOSE RN AT PENFIELD, PA	411224	0783414	042	033	SW			1979		Z			Z	USGS	D
02050202	KERSEY RN AT WEEDVILLE, PA	411629	0782937	042	047	SW			1979		Z			Z	USGS	D
02050202	LAUREL RN NR WEEDVILLE, PA	411642	0782722	042	047	SW			1979		Z			Z	USGS	D
02050202	BENNETT BR SINNEMAHONING C AT MEDIX RUN, PA	411721	0782348	042	023	SW			1979		Z			Z	USGS	D
02050202	SPRING RN NR WEEDVILLE, PA	411927	0782728	042	047	SW			1979		Z			Z	USGS	D
02050202	TROUT RN AT BENZETTE, PA	411850	0782305	042	083	SW	55.20	004	1979		Z			Z	USGS	D
02050202	DENTS RN AT DENTS RUN, PA	412120	0781547	042	023	SW			1979		Z			Z	USGS	D
02050202	E BR HICKS RN NR HUSTON HILL, PA	412247	0781646	042	023	SW			1979		Z			Z	USGS	D
02050202	DRIFTWOOD BR SINNEMAHONING C NR LOCKWOOD, PA	413202	0781847	042	023	SW			1979		Z			Z	USGS	D
02050202	BIG RN AT TRUMAN, PA	412838	0782208	042	023	SW			1979		Z			Z	USGS	D
02050202	WEST CREEK AT HOWARD SIDING PA	412837	0781928	042	023	SW			1979		Z			Z	USGS	D
02050202	PARKER RUN AT GARDEAU, PA	413716	0781333	042	083	SW			1979		Z			Z	USGS	D
02050202	HUNTS RN AT CAMERON, PA	412708	0781029	042	023	SW			1979		Z			Z	USGS	D
02050202	DRIFTWOOD BR SINNEMAHONING CR, STERLING RUN,	412448	0781150	042	023	SW	272.00	004	1928		3			3	USGS	D
02050202	STERLING RN NR STERLING RUN, PA	412524	0781311	042	023	SW			1979		Z			Z	USGS	D
02050202	TANNERY HOLLOW RN NR STERLING RUN, PA	412519	0781324	042	023	SW			1979		Z			Z	USGS	D
02050202	SINNEMAHONING CREEK AT SINNEMAHONING, PA.	411909	0780503	042	023	SW	685.00	004	1944		P				USGS	D
02050202	F FORK SINNEMAHONING CR NR SINNEMAHONING, PA	412406	0780128	042	023	SW	245.00	014	1970	1975	2			2	USGS	D
02050203	COOKS RN NR KEATING, PA	411716	0775416	042	035	SW			1979		Z			Z	USGS	D
02050203	CROWLEY HOLLOW NR KEATING, PA	411722	0775400	042	035	SW			1979		Z			Z	USGS	D
02050203	GERMANIA BRANCH AT GERMANIA, PA.	413849	0773922	042	105	SW	2.40	004	1966	1969	P				USGS	D
02050203	KETTLE CREEK AT CROSS FORK, PA.	412833	0774934	042	105	SW	136.00	004	1966	1968	Q			Q	USGS	D
02050203	TWOMILE RN NR WESTPORT, PA	411857	0775130	042	035	SW			1979		Z			Z	USGS	D
02050203	YOUNG WOMANS CREEK NEAR RENOVO, PA.	412322	0774128	042	035	SW	46.20	004	1965		E	E		E	USGS	D

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02050203	BAKER RN NR HYNER, PA	411445	0773630	042	035	SW	31.40	004	1979		Z			Z	USGS	D
02050203	TANGASCOOTACK CREEK NEAR LOCK HAVEN, PA.	411032	0773253	042	035	SW	36.50	004	1970		Z			Z	USGS	D
02050204	SPRING CREEK NEAR AXEMANN, PA.	405323	0774740	042	027	SW	87.20	004	1925		4	E		4	USGS	D
02050204	BALD EAGLE CR BLW SPRING CR AT MILESBURG, PA	405635	0774712	042	027	SW	265.00	004	1954	1975	2	Q		2	USGS	D
02050204	BALD EAGLE CREEK AT BLANCHARD, PA.	410306	0773617	042	027	SW	339.00	014	1954		2	Q		2	USGS	D
02050204	MARSH CREEK AT BLANCHARD, PA.	410334	0773622	042	027	SW	44.10	004	1954	1975	2	A	A	2	USGS	D
02050204	SOUTH FORK BEECH CREEK NEAR SNOW SHOE, PA.	410130	0775415	042	027	SW	12.20	004	1979		Z			Z	USGS	D
02050205	BABB C AT MORRIS, PA	413543	0771739	042	117	SW	53.00		1978		A			A	USGS	D
02050205	WILSON CREEK ABOVE SAND RUN NEAR ANTRIM, PA	413851	0771826	042	117	SW	12.60		1978		O			O	USGS	D
02050205	BACKSWITCH MINE DISCHARGE AT ANTRIM, PA	413800	0771741	042	117	SW			1978		K			R	USGS	D
02050205	MITCHELL MINE DISCHARGE #1 NEAR ANTRIM, PA	413746	0771813	042	117	SW			1978		K			R	USGS	D
02050205	MITCHELL MINE DISCHARGE #2 NEAR ANTRIM, PA	413743	0771812	042	117	SW			1978		Q			K	USGS	D
02050205	BRIDGE RUN AT MOUTH AT ANTRIM, PA	413732	0771743	042	117	SW	1.41		1978		A			A	USGS	D
02050205	ANNA S MINE DISCHARGE #1 NEAR ANTRIM, PA	413726	0771807	042	117	SW			1978		Q			R	USGS	D
02050205	BASSWOOD RUN NEAR ANTRIM, PA	413706	0771840	042	117	SW	.57		1978		O			O	USGS	D
02050205	HUNTER DRIFT DISCHARGE NEAR ANTRIM, PA	413705	0771840	042	117	SW			1978		K			S	USGS	D
02050205	ANNA S MINE DISCHARGE #2 NEAR ANTRIM, PA	413713	0771821	042	117	SW			1978		R			A	USGS	D
02050205	BASSWOOD RN AT MOUTH NR ANTRIM, PA	413650	0771738	042	117	SW			1978	1977	Q			Q	USGS	D
02050205	RATTLER RUN NEAR MORRIS, PA	413636	0771809	042	117	SW	.32		1978		O			M	USGS	D
02050205	WILSON C AT MORRIS, PA	413551	0771750	042	117	SW	22.80		1978		A			A	USGS	D
02050205	UNNAMED TRIBUTARY TO PAINT RUN NEAR MORRIS,	413623	0771929	042	117	SW			1978		K			K	USGS	D
02050205	STONY FK NR MOUTH NR BLACKWELL, PA	413456	0772046	042	117	SW	37.10		1978		A			A	USGS	D
02050205	BABB CREEK AT BLACKWELL, PA	413321	0772242	042	117	SW	129.00		1978		A			A	USGS	D
02050205	PINE CREEK AT CEDAR RUN, PA.	413118	0772652	042	081	SW	604.00	004	1935		2	E		2	USGS	D
02050205	BLOCKHOUSE CR TRIB AT LIBERTY, PA.	413404	0770606	042	117	SW	1.08	004	1971		E	E		E	USGS	D
02050205	BLOCKHOUSE CR AT BUTTONWOOD, PA.	412943	0770902	042	081	SW	22.30	004	1971		E	E		E	USGS	D
02050205	STEAM VALLEY RUN AT BUTTONWOOD, PA.	412939	0770903	042	081	SW	5.34	004	1971		E	E		E	USGS	D
02050205	BLOCKHOUSE CREEK NEAR ENGLISH CENTER, PA.	412825	0771352	042	081	SW	37.70	004	1963		E	Q		E	USGS	D
02050206	LYCOMING CREEK NEAR TROUT RUN, PA.	412506	0770159	042	081	SW	173.00	004	1963		E			E	USGS	D
02050206	LOYALSOCK CR AT LOYALSOCKVILLE, PA.	411931	0765443	042	081	SW	443.00	004	1928		E			E	USGS	D
02050206	WEST BR SUSQUEHANNA R. AT WATSONTOWN, PA.	410453	0765150	042	097	SW		003	1971	1975	2	Q		2	USGS	D
02050206	WARRIOR RUN AT MCEWENSVILLE, PA.	410428	0765001	042	097	SW	20.10	004	1970	1971	2	R		2	USGS	D
02050206	WEST BRANCH SUSQUEHANNA RIVER AT LEWISBURG,	405802	0765245	042	119	SW	6847.00	014	1943		E	H		E	USGS	D
02050301	WICONISCO C AT MILLERSBURG	403214	0765739	042	043	SW			1962		Q				PA001	P

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02050301	MAHANTANGO C NR DALMATIA	403640	0765443	042	043	SW			1962		Q				PA001	P
02050301	MIDDLE C NR SELINSGROVE	404629	0765211	042	109	SW			1962		Q				PA001	P
02050301	PENNS C NR SELINSGROVE	404850	0765120	042	109	SW			1962		Q				PA001	P
02050301	SUSQUEHANNA RIVER AT SUNBURY, PA.	405115	0764821	042	109	SW	18300.00	004	1967		E			E	USGS	D
02050301	SHAMOKIN CR NR SHAMOKIN (SHAMOKIN A), PA.	404837	0763504	042	097	SW	54.20	004	1957		P	Q			USGS	D
02050301	PENNS CREEK AT PENNS CREEK, PA.	405200	0770255	042	119	SW	301.00	004	1964	1972	2			2	USGS	D
02050301	EAST MAHANTANGO CREEK NEAR DALMATIA, PA.	403640	0765443	042	097	SW	162.00	004	1949		2			2	USGS	D
02050302	JUNIATA RIVER AT HUNTINGDON, PA.	402905	0780109	042	061	SW	816.00	004	1926		2			2	USGS	D
02050303	DUNNING CREEK AT BELDEN, PA.	400418	0782934	042	009	SW	172.00	004	1950	1973	E			E	USGS	D
02050303	RAYSTOWN BRANCH JUNIATA RIVER AT SAXTON, PA.	401257	0781556	042	009	SW	756.00	004	1950		2			2	USGS	D
02050303	RAYSTOWN BR JUNIATA RIVER AT ARDENHEIM, PA.	402717	0775900	042	061	SW			1972	1974	A			A	USGS	D
02050304	KISHACOQUILLAS CREEK AT REEDSVILLE, PA.	403917	0773500	042	087	SW	164.00	004	1963		E			E	PA001	D
02050304	AUGHWICK CREEK NEAR THREE SPRINGS, PA.	401245	0775532	042	061	SW	205.00	004	1950	1973	E			E	USGS	D
02050304	JUNIATA RIVER AT NEWPORT, PA.	402842	0770746	042	099	SW	3354.00	014	1926		0	E		0	USGS	D
02050305	SWATARA C NR MIDDLETOWN	401128	0764352	042	043	SW			1962		M				PA001	P
02050305	CONODOGUINET C BL CARLISLE	401536	0770611	042	041	SW			1962		M				PA001	P
02050305	BIXLER RUN NR LOYSVILLE, PA.	402215	0772409	042	099	SW	15.00	004	1954	1971	2	A		2	USGS	D
02050305	SHERMAN CREEK AT SHERMANS DALE, PA.	401924	0771009	042	099	SW	200.00	004	1952	1975	A	E		A	USGS	D
02050305	CONODOGUINET CR AT WLOW ML BG NR HOGESTOWN,	401510	0770208	042	041	SW			1973	1974	2	R		2	USGS	D
02050305	CONODOGUINET CREEK NR HOGESTOWN, PA.	401508	0770117	042	041	SW	470.00	004	1970	1974	E			E	USGS	D
02050305	CONODOGUINET CREEK TRIB NO. 1 NR ENOLA, PA.	401727	0765938	042	041	SW	.77	004	1969		0	E		0	USGS	D
02050305	CONODOGUINET CR. TRIB. NO. 2 NR. ENOLA, PA.	401721	0765835	042	041	SW	.76	003	1969		0	E		0	USGS	D
02050305	CONODOGUINET CR. TRIB. NO. 2A NR. ENOLA, PA.	401744	0765755	042	041	SW	.70	003	1969		0	E		0	USGS	D
02050305	CONODOGUINET CR. TRIB. NO. 2B NR. ENOLA, PA.	401747	0765751	042	041	SW	.65	003	1969		0	E		0	USGS	D
02050305	CONODOGUINET CREEK TRIB NO. 3 NR ENOLA, PA.	401805	0765657	042	041	SW	.38	004	1969		0	E		0	USGS	D
02050305	SUSQUEHANNA RIVER AT HARRISBURG, PA.	401527	0765312	042	043	SW	24100.00	004	1936		0	H		0	USGS	D
02050305	SPRING CREEK TRIBUTARY NEAR HARRISBURG, PA.	401641	0764946	042	043	SW	1.85	004	1969	1970	E	E		E	USGS	D
02050305	YELLOW BREECHES CREEK NEAR CAMP HILL, PA.	401329	0765354	042	041	SW	216.00	004	1963	1975	2	E		2	USGS	D
02050305	SWATARA CREEK AT HARPER TAVERN, PA.	402409	0763439	042	075	SW	337.00	004	1957		0			0	USGS	D
02050305	QUITTAPHILLA C NR ANNVILLE PA	401937	0763132	042	075	SW		004	1959	1963	P				USGS	
02050305	WEST CONEWAGO CREEK NEAR MANCHESTER, PA.	400452	0764307	042	133	SW	510.00	004	1956		E			E	USGS	D
02050306	PEQUEA C LANCASTER CO	395334	0762129	042	071	SW			1962		Q				PA001	P
02050306	CHICKIES C DONEGALTWP LAN CO	400319	0763133	042	071	SW			1962		Q				PA001	P
02050306	CODORUS C BL YORK	400037	0764237	042	133	SW			1962		M				PA001	P

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02050306	W CONEWAGO C AB YORKHAVEN	400452	0764307	042	133	SW			1962		M				PA001	P
02050306	CONESTOGA C BL LANCASTER	395741	0762158	042	071	SW			1965		M				PA001	P
02050306	LATIMORE CREEK TRIB NR YORK SPRINGS, PA.	400118	0770855	042	001	SW	1.26	004	1969	1970	E	E		E	USGS	D
02050306	N FORK LATIMORE CR TRIB NR YORK SPRINGS, PA.	400204	0770833	042	001	SW	2.20		1970	1970	B	B			USGS	D
02050306	SOUTH BRANCH CODORUS CREEK NEAR YORK, PA.	395514	0764457	042	133	SW	117.00	124	1925		2	E		2	USGS	D
02050306	CONESTOGA RIVER AT LANCASTER, PA.	400300	0761639	042	071	SW	324.00	124	1925	1977	2	E		2	USGS	D
02050306	PEQUEA CREEK NEAR VINTAGE, PA	400104	0760412	042	071	SW	42.80		1977		K			K	USGS	D
02050306	PEQUEA CREEK TRIBUTARY NEAR STRASBURG, PA	400001	0761016	042	071	SW	1.63		1977		K			K	USGS	D
02050306	PEQUEA CREEK AT STRASBURG, PA	400021	0761112	042	071	SW	72.90		1978		K			K	USGS	D
02050306	BIG BEAVER CREEK TRIBUTARY AT NEW PROVIDENCE	395600	0761204	042	071	SW	.66		1977		K			K	USGS	D
02050306	BIG BEAVER CREEK AT REFTON, PA	395628	0761428	042	071	SW	20.40		1977		K			K	USGS	D
02050306	PEQUEA CREEK TRIBUTARY NEAR MARTIC FORGE, PA	395428	0761906	042	071	SW	1.56		1977		K			K	USGS	D
02050306	PEQUEA CREEK AT MARTIC FORGE, PA.	395421	0761943	042	071	SW	148.00		1976		O			O	USGS	D
02050306	MUDDY CREEK AT CASTLE FIN, PA.	394621	0761858	042	133	SW	133.00	004	1968	1970	Q			Q	USGS	D
02050306	SUSQUEHANNA RIVER AT CONOWINGO, MD.	393926	0761031	024	025	SW	27100.00	124	1978		K	K		K	USGS	D
02050306	SUSQUEHANNA R AT CONOWINGO MD	393931	0761028	024	025	SW			1977		O				USGS	D
02050306	OCTORARO CR NR ATGLEN, PA.	395652	0755929	042	029	SW	10.90	003	1973		A				USGS	C
02050306	VALLEY CREEK NR ATGLEN, PA.	395617	0755906	042	029	SW	10.00	003	1973		A				USGS	C
02050306	OCTORARO CR NR ATGLEN, PA.	395444	0755944	042	029	SW	31.00	004	1973		A				USGS	C
02050306	DEER CREEK AT ROCKS, MARYLAND	393749	0762413	024	025	SW	94.40	004	1972		E			E	USGS	D
02060002	ELK CREEK AT ELKVIEW, PA.	394845	0755404	042	029	SW	9.90	004	1973		A				USGS	C
02060003	BAISMAN RN AT SHAWAN, MD	392907	0764213	024	005	SW	.15	004	1963	1969	C	B			USGS	
02060003	BAISMAN RUN AT BROADMOOR, MD.	392845	0764042	024	005	SW	1.47	004	1964	1969	C	B			USGS	
02060003	PATAPSCO RIVER AT HOLLOFIELD, MD.	391836	0764734	024	027	SW	285.00		1954		E			E	USGS	D
02060005	CHOPTANK RIVER NEAR GREENSBORO, MD.	385950	0754710	024	011	SW	113.00	004	1964		A	M		Q	USGS	D
02060006	PATUXENT RIVER NEAR BOWIE, MD.	385721	0764136	024	003	SW	348.00	124	1977		Q	Q		Q	USGS	D
02060010	FY78 REESTABLISH OWDC 74971 TO	383250	0751439	010	005	SW			1978		M				USSCS	P
02070002	NORTH BRANCH POTOMAC RIVER AT STEYER, MD.	391807	0791826	024	023	SW	73.00	004	1964		A	A		A	USGS	D
02070002	N B POTOMAC R AT KITZMILLER, MD.	392338	0791055	024	023	SW	225.00	014	1961		5	E		5	USGS	D
02070002	SAVAGE R. BEL SAVAGE R. DAM NR BLOOMINGTON,M	393005	0790725	024	023	SW	106.00	124	1964		A	A		A	USGS	D
02070002	GEORGES CREEK AT FRANKLIN, MD.	392938	0790242	024	001	SW	72.40	024	1961		5	E		5	USGS	D
02070002	WILLS C BL HYNDMAN, PA	394843	0784300	042	009	SW	146.00	004	1960		5			5	USGS	D
02070002	WILLS CREEK NEAR CUMBERLAND, MD.	394007	0784718	024	001	SW	247.00	024	1964		A	A		A	USGS	D
02070003	NORTH BRANCH POTOMAC RIVER AT PINTO, MD.	393359	0785025	054	057	SW	593.00		1959		E	E			USGS	D

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02070003	NORTH BRANCH POTOMAC R AT PINTO, MD.	393359	0785025	054	019	SW			1964		E			E	USGS	D
02070003	NORTH BRANCH POTOMAC RIVER NEAR CUMBERLAND,	393716	0784624	024	001	SW	875.00		1963		O	E		O	USGS	D
02070003	POTOMAC RIVER AT PAW PAW, W. VA.	393213	0782728	024	001	SW	3109.00	014	1962	1969	3	E		3	USGS	D
02070003	LOST RIVER AT MCCAULEY NEAR BAKER, W. VA.	390318	0784331	054	031	SW	155.00	004	1973		H			R	USGS	D
02070003	CACAPON RIVER NEAR GREAT CACAPON, W. VA.	393443	0781834	054	065	SW	677.00	004	1947	1972	Q			Q	USGS	D
02070004	CONOCOCHEAGUE CREEK AT FAIRVIEW, MD.	394229	0775000	024	043	SW	494.00		1948		O	E		W	USGS	D
02070004	POTOMAC RIVER AT SHEPHERDSTOWN, W. VA.	392604	0774807	054	037	SW	5936.00	014	1960		N	N		N	USGS	D
02070004	ANTIETAM CREEK NEAR WAYNESBORO, PA.	394259	0773628	024	043	SW	93.50		1948	1968	E			E	USGS	D
02070004	ANTIETAM CREEK NEAR SHARPSBURG, MD.	392701	0774352	024	043	SW	281.00		1959		4			4	USGS	D
02070005	S F SHENANDOAH RIVER NEAR LYNNWOOD VA	381921	0784518	051	165	SW	1084.00	004	1930	1975	A				USGS	D
02070005	S F SHENANDOAH RIVER AT FRONT ROYAL VA	385450	0781240	051	187	SW	1642.00	004	1930		2			2	USGS	D
02070006	N F SHENANDOAH RIVER NEAR STRASBURG VA	385836	0782011	051	187	SW	768.00	004	1929		2			2	USGS	D
02070007	SHENANDOAH RIVER AT MILLVILLE, W. VA.	391655	0774722	054	037	SW	3040.00	014	1960		N	N		N	USGS	D
02070008	CATOCTIN CREEK NEAR MIDDLETOWN, MD.	392535	0773325	024	021	SW	66.90	004	1947		3	E		3	USGS	D
02070008	POTOMAC RIVER AT POINT OF ROCKS MD	391625	0773235	024	021	SW	9651.00		1959		O	E		O	USGS	D
02070008	STAVE RUN AT RESTON VA	385657	0772218	051	059	SW	.05	003	1968	1971	D				USGS	C
02070008	STAVE RUN NEAR RESTON VA	385656	0772216	051	059	SW	.08	003	1970		2	E		2	USGS	D
02070008	SMILAX BRANCH AT RESTON VA	385710	0772204	051	059	SW	.32	004	1968		2	E		2	USGS	D
02070008	SENECA CREEK AT DAWSONVILLE, MD.	390741	0772013	024	031	SW	101.00		1959		E	E			USGS	D
02070008	WATTS BRANCH AT ROCKVILLE, MD.	390503	0771038	024	031	SW	3.70	013	1957	1967	6	E		6	USGS	D
02070008	POTOMAC RIVER AT GREAT FALLS MD	390003	0771456	024	031	SW		004	1973	1978	E	E		E	USGS	D
02070008	SNAKEDEN BR AT RESTON, VA.	385548	0772043	051	059	SW	.79	003	1972		O	E		O	USGS	D
02070008	POTOMAC RIVER NR. WASH., D.C. LITTLE FALLS P	385658	0770740	024	031	SW	11560.00	124	1963	1975	A	A		A	USGS	D
02070009	MONOCACY RIVER AT BRIDGEPORT, MD.	394043	0771406	024	021	SW	173.00		1948	1979	E	E			USGS	D
02070009	BIG PIPE CREEK AT BRUCEVILLE, MD.	393645	0771410	024	013	SW	102.00	004	1948		E	E			USGS	P
02070009	HUNTING CREEK AT JIMTOWN, MD.	393540	0772350	024	021	SW	18.40	014	1961		4	E		4	USGS	D
02070009	LINGANORE CREEK NEAR FREDERICK, MD.	392455	0772000	024	021	SW	82.30	004	1951	1968	E	E			USGS	P
02070009	MONOCACY R. AT REICHS FORD BR NEAR FREDERICK	392316	0772240	024	021	SW		004	1959		O	E		O	USGS	D
02070010	POTOMAC RIVER AT CHAIN BRIDGE,WASHINGTON,DC	385546	0770702	051	013	SW	11570.00		1977		A	A		A	USGS	D
02070010	WILLIAMSBURG RN NR OLNEY, MD	390832	0770548	024	031	SW	2.25	003	1966	1974	2	E		2	USGS	D
02070010	N. BR. ROCK CREEK NEAR NORBECK, MD.	390659	0770609	024	031	SW	9.73		1966	1977	E	E		E	USGS	D
02070010	MANOR RUN NEAR NORBECK, MD.	390636	0770600	024	031	SW	1.01	003	1966	1974	R	E		R	USGS	D
02070010	N BR ROCK CREEK NR ROCKVILLE, MD.	390609	0770712	024	031	SW	12.50		1967	1977	E	E		E	USGS	D
02070010	ROCK CREEK AT SHERRILL DRIVE, WASHINGTON, D.	385821	0770225	011	001	SW	62.20	013	1959		E	E			USGS	P

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02070010	N.E. BR. ANACOSTIA RIVER AT RIVERDALE, MD.	385737	0765534	024	033	SW	72.80		1959	1959	E			E	USGS	D
02070010	N.W. BR. ANACOSTIA RIVER AT NORWOOD, MD.	390736	0770115	024	031	SW	2.45	004	1967	1974	R	E		R	USGS	D
02070010	NURSERY RUN AT CLOVERLY MD	390705	0770024	024	031	SW	.35	004	1966	1974	2	E		2	USGS	D
02070010	BATCHELLORS RN AT OAKDALE, MD	390721	0770337	024	031	SW	.45	004	1967	1974	S	E		S	USGS	D
02070010	BEL PRE CREEK AT LAYHILL, MD.	390527	0770311	024	031	SW	1.69	003	1962	1974	K	E		K	USGS	D
02070010	LUTES RUN AT LUTES MARYLAND	390424	0770308	024	031	SW	.47	003	1963	1974	K	E		K	USGS	D
02070010	N W BR ANACOSTIA R NR COLESVILLE, MD	390355	0770148	024	031	SW	21.10		1960	1975	2	E		2	USGS	D
02070010	NORTHWEST BRANCH ANACOSTIA RIVER NEAR HYATTS	385709	0765800	024	033	SW	49.40		1960	1975	6			6	USGS	D
02070010	HENSON CREEK AT OXON HILL, MD.	384716	0765842	024	033	SW	16.70	123	1961		E	E			USGS	P
02070010	PISCATAWAY C NR S PISCATAWAY MD	384155	0765912	024	033	SW			1972	1974	E				USGS	D
02070010	CEDAR RUN NR ADEN, VA.	383658	0773316	051	153	SW	155.00	004	1973		2			2	USGS	D
02070010	BULL RUN NEAR CATHARPIN, VA.	385321	0773414	051	153	SW	25.80		1973		2			2	USGS	D
02070010	CUB RUN NR BULL RUN, VA.	384916	0772757	051	059	SW	49.90	004	1971	1974	2			2	USGS	D
02070010	BULL RUN NEAR CLIFTON,VA.	384559	0772452	051	059	SW	185.00	004	1973	1974	2			2	USGS	D
02070010	BULL R NR CATHARPIN VA	385321	0773414	051	153	SW	25.80	004	1973		E				VA001	C
02070011	MATTAWOMAN C NR POMONKEY, MD	383545	0770325	024	017	SW	57.70		1960	1975	4			4	USGS	D
02080103	CARTER RUN NR MARSHALL VA.	384758	0775209	051	061	SW	19.50		1976		W			W	USGS	D
02080103	HAZEL RIVER AT RIXEYVILLE, VA.	383530	0775755	051	047	SW	287.00	004	1945	1969	2			2	USGS	D
02080103	RAPPAHANNOCK RIVER AT REMINGTON, VA	383150	0774850	051	061	SW	620.00	004	1950		0			0	USGS	D
02080103	RAPIDAN RIVER NEAR CULPEPER, VA.	382101	0775831	051	047	SW	472.00	004	1944	1969	2			2	USGS	D
02080104	RAPPAHANNOCK RIVER NR FREDERICKSBURG VA	381920	0773105	051	177	SW	1596.00	004	1954		A	A		A	USGS	D
02080105	MATTAPONI RIVER NR BEULAHVILLE VA	375316	0770948	051	097	SW	601.00	004	1944		A	A		A	USGS	D
02080106	DESPER CR (NR MOUTH) NR MINERAL VA.	375822	0775703	051	109	SW			1976	1976	A				USGS	D
02080106	PAMUNKEY RIVER NR HANOVER VA	374603	0771957	051	085	SW	1081.00	004	1944		E	E		E	USGS	D
02080201	BELOW REGENERATION ON FS60416710	373101	0801225	051	045	SW			1976		R				USFS	D
02080201	COLD SPRING BRANCH AT 6042 50-2	373319	0800954	051	045	SW			1976		R				USFS	D
02080201	JAMES RIVER AT BUCHANAN, VA	373150	0794045	051	027	SW	2075.00	004	1946		2			2	USGS	D
02080203	JAMES RIVER AT BENT CREEK, VA.	373210	0784930	051	125	SW	3683.00	004	1930	1975	A				USGS	D
02080203	JAMES RIVER AT SCOTTSVILLE, VA.	374750	0782930	051	003	SW	4584.00	004	1930	1969	2			2	USGS	D
02080205	JAMES RIVER AT CARTERSVILLE, VA	374015	0780510	051	075	SW	6257.00	004	1929		E	E		E	USGS	D
02080206	JAMES R NR DUTCH GAP VA	372326	0772149	051	087	ES	6760.00	004	1974		A	A		K	USGS	D
02080207	HOLIDAY CREEK NEAR ANDERSONVILLE, VA.	372455	0783810	051	011	SW	8.53	004	1967		E			E	USGS	D
02080207	APPOMATTOX RIVER AT MATOACA, VA.	371328	0772832	051	041	SW	1344.00		1978		K	K		K	USGS	D

SOUTH ATLANTIC-GULF REGION 03

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
030007 G	LITTLE PEE DEE RIVER AT GALIVANTS FERRY, S.			045	051	SW			1971	1973	M	M			USGS	
030007 I	FY78 CHANGE OPERATION OWDC54435 TO			045	067	SW			1976		M	M			USGS	
030007 X	SALKEHATCHIE RIVER NEAR MILEY, S.C.			045	049	SW			1972	1973	M	M			USGS	
030008 G	SAVANNAH R AT MOUTH OF AUGUSTA CA			013	245	SW			1976		A	A			GA009	P
030008 G	SAVANNAH R AT US 301			013	251	SW			1976		A	A			GA009	P
030008 M	SOUTH R AT SNAPPING SHOALS			013	217	SW			1975		A	A			GA009	P
030009 M	WITH LACOOHEE AT GA 31			013	185	SW			1975		A	A			GA009	P
030009 M	WITHLACOOHEE AT GA 31			013	185	SW			1975		A	A			GA009	P
030010 C	PENNEKAMP STATE PARK	250542	0802348	012	087	ES			1974				A		FL051	C
030010 H	WEEKI WACHEE SPRINGS			012	053	SW			1972				A		FL051	D
030011 D	CHATTAHOOCHEE R A COBB CO WTR INTK			013	121	SW			1976		A	A			GA009	P
03010101	ROANOKE RIVER AT LAFAYETTE, VA.	371411	0801234	051	121	SW	257.00		1945		E			E	USGS	D
03010101	ROANOKE RIVER AT ROANOKE, VA.	371530	0795620	051	770	SW	395.00	004	1930		E			E	USGS	D
03010101	ROANOKE RIVER AT ALTAVISTA, VA	370616	0791744	051	143	SW	1789.00	014	1930		2			2	USGS	D
03010101	ROANOKE R AT LAFAYETTE VA	371411	0801234	051	121	SW	257.00	004	1945		W				VA001	C
03010102	ROANOKE (STAUNTON) RIVER AT RANDOLPH, VA.	365454	0784428	051	083	SW	2977.00	014	1929		O			O	USGS	D
03010102	MAYO CR NR BETHEL HILL N.C.	363226	0785221	037	145	SW	52.60		1978	1979	R			R	USGS	D
03010103	DAN RIVER NEAR FRANCISCO, N.C.	363053	0801811	037	169	SW	124.00	014	1954	1979	R			R	USGS	D
03010103	HUFFINES MILL CR NR BETHANY N C	362000	0795126	037	157	SW	1.60		1973		S				USGS	D
03010103	DAN RIVER NEAR WENTWORTH N C	362447	0794945	037	157	SW	1050.00	014	1949		K			K	USGS	D
03010103	SMITH RIVER AT EDEN, N. C.	363130	0794554	037	157	SW	538.00	014	1968	1979	R			R	USGS	D
03010104	DAN RIVER AT PACES VA	363832	0790523	051	083	SW	2550.00	014	1929		O			O	USGS	D
03010104	HYCO CREEK NEAR LEASBURG N C	362407	0791213	037	033	SW	44.00	004	1963	1979	S	E		S	USGS	D
03010104	DOUBLE CREEK NEAR ROSEVILLE N C	362144	0790548	037	145	SW	7.47	004	1963	1979	R	E		R	USGS	D
03010104	SOUTH HYCO CREEK NEAR ROSEVILLE N C	362312	0790622	037	145	SW	55.00	004	1966	1979	S			S	USGS	D
03010104	HYCO RIVER AT MCGHEES MILL N C	363102	0790142	037	145	SW	191.00	014	1963	1973	A			A	USGS	D
03010104	MAYO CREEK TRIB NEAR ALLENSVILLE N C	362355	0785405	037	145	SW	.68		1973		S				USGS	D
03010107	ROANOKE RIVER AT ROANOKE RAPIDS, N.C.	362804	0773718	037	083	SW	8410.00	014	1948		E			E	USGS	D
03010107	ROANOKE RIVER NEAR SCOTLAND NECK NC	361233	0772302	037	083	SW	8700.00	014	1943		H	H		H	USGS	D
03010107	INDIAN CREEK TRIB AT SR1123 NEAR CAHABA N C	360102	0771038	037	015	SW	.50	004	1978	1979	A				USGS	D
03010107	CONIOTT CREEK AT SR 1108 NR CAHABA N C	360041	0770805	037	015	SW	2.80	004	1977		Z				USGS	D
03010107	HARDISON CREEK NR ROBERSON STORE N C	354320	0765730	037	117	SW	14.00		1973	1979	A				USGS	D
03010201	NOTTOWAY RIVER NR SEBRELL VA	364613	0770959	051	175	SW	1421.00	004	1945		K	K		K	USGS	D
03010202	BLACKWATER R NR FRANKLIN, VA	364545	0765355	051	067	SW	617.00	024	1945		N	N		R	USGS	D

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03010202	BLACKWATER R NR FRANKLIN, VA	364545	0765355	051	175	SW			1976		E	E		E	USGS	D
03010203	DEEP CREEK AT N C 45 NR COFIELD N C	362225	0765600	037	091	SW	3.00		1973	1979	A				USGS	D
03010203	AHOSKIE CREEK AT AHOSKIE N C	361650	0770000	037	091	SW	57.00	014	1975	1979	N			N	USGS	D
03010204	MEHERRIN RIVER AT EMPORIA, VA	364124	0773227	051	595	SW	747.00		1967		A	A			USGS	D
03010204	JACKS SWAMP NR PLEASANT HILL N C	363055	0773235	037	131	SW	6.10		1973		Z				USGS	D
03010204	POTECASI CREEK NEAR UNION, N. C.	362214	0770136	037	091	SW	191.00	004	1975	1979	R			R	USGS	D
030106 E	DAN RIVER NEAR MAYFIELD N C	363229	0793621	037	157	SW	1780.00	014	1968		E			E	USGS	D
03020101	TAR RIVER NEAR TAR RIVER N C	361141	0783500	037	077	SW	167.00	024	1969	1979	A			A	USGS	D
03020101	TAR R AT US 401 AT LOUISBURG N C	360541	0781743	037	035	SW	430.00	004	1976	1979	R			R	USGS	D
03020101	CEDAR CREEK NEAR LOUISBURG, N. C.	360314	0782024	037	069	SW	47.80	004	1954	1973	A	A			USGS	D
03020101	TAR RIVER NEAR NASHVILLE, N. C.	355057	0775551	037	127	SW	701.00	014	1969	1971	A	E		E	USGS	D
03020101	SAPONY CREEK NEAR NASHVILLE, N. C.	355310	0775440	037	127	SW	64.80	004	1969	1969	A			A	USGS	D
03020101	WALNUT CREEK AT SR1225 AT KINGSBORO N C	355535	0774034	037	065	SW	.80	004	1978		A				USGS	D
03020101	SWIFT CREEK AT HILLIARDSTON, N. C.	360642	0775516	037	127	SW	163.00	024	1968	1979	A	E		A	USGS	D
03020102	FISHING CREEK NEAR MIDDLEBURG N C	362306	0781905	037	181	SW	3.30		1973		A				USGS	D
03020102	WHITE OAK SWAMP NEAR ACTON N C	360959	0780005	037	127	SW	4.10	004	1973		A				USGS	D
03020102	LITTLE FISHING CREEK NEAR WHITE OAK N C	361108	0775234	037	083	SW	175.00	004	1968	1979	A	E		A	USGS	D
03020102	FISHING CREEK NEAR ENFIELD, N. C.	360900	0774200	037	065	SW	521.00	004	1947	1979	K			K	USGS	D
03020103	TAR RIVER AT TARBORO, N. C.	355338	0773200	037	065	SW	2140.00		1943		2	E		2	USGS	D
03020103	CONETOE CREEK NEAR BETHEL, N. C.	354630	0772740	037	147	SW	78.10	004	1968	1979	R			R	USGS	D
03020103	CHICOD CR AT SR 1565 NR GRIMESLAND N C	353157	0771113	037	147	SW	19.00	004	1975		R	A		R	USGS	D
03020103	COW SWAMP NEAR GRIMESLAND N C	353200	0771330	037	147	SW	17.00	004	1975		K	A		K	USGS	D
03020103	COW SWAMP NEAR GRIMESLAND N C	353200	0771330	037	147	SW	17.00		1976		E			E	USGS	D
03020103	CHICOD CR AT SR 1760 NEAR SIMPSON N C	353347	0771343	037	147	SW	45.00	004	1974		E			E	USGS	D
03020103	CHICOD CR AT SR 1760 NEAR SIMPSON N C	353347	0771343	037	147	SW	45.00		1976		O	B			USGS	D
03020103	JUNIPER BRANCH AT SR 1766 NR SIMPSON N C	353355	0771443	037	147	SW	7.50	004	1975		M				USGS	P
03020103	JUNIPER BRANCH AT SR 1766 NR SIMPSON N C	353355	0771443	037	147	SW	7.50		1976		E			E	USGS	D
03020104	HERRING RUN NEAR WASHINGTON N C	353403	0770109	037	013	SW	15.00	004	1968	1979	R			R	USGS	D
03020104	DURHAM CREEK AT EDWARD N C	351925	0765226	037	013	SW	21.00	004	1964	1979	R			R	USGS	D
03020104	NORTH LAKE CANAL ABOVE PUNGO LAKE NR WENONA	354335	0763101	037	187	SW	.29	004	1975		R			R	USGS	D
03020104	VAN SWAMP NEAR HOKE N C	354349	0764449	037	187	SW	23.00		1976		N			N	USGS	D
03020104	ALBEMARLE CANAL NEAR SWINDELL N C	353818	0764019	037	013	SW	68.00	004	1978		W			O	USGS	C
03020201	ENO RIVER AT HILLSBORO, N.C.	360418	0790614	037	135	SW	66.50	024	1969		A	A		A	USGS	D
03020201	ENO RIVER NEAR DURHAM, N. C.	360421	0785424	037	063	SW	141.00	004	1969		A	E		A	USGS	D

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03020201	LITTLE RIVER NEAR ORANGE FACTORY N C	360820	0785424	037	063	SW	81.60	004	1960	1979	A	A		A	USGS	D
03020201	FLAT RIVER AT BAHAMA, N. C.	361057	0785244	037	063	SW	150.00	004	1972	1979	A			A	USGS	D
03020201	DIAL CREEK NEAR BAHAMA, N.C.	361036	0785124	037	063	SW	4.71	004	1969		S			S	USGS	D
03020201	ROCKY CREEK NEAR BAHAMA N C	361030	0784920	037	063	SW	2.40		1973		A				USGS	D
03020201	NEUSE RIVER NEAR NORTHSIDE N C	360254	0784450	037	063	SW	526.00	014	1969	1979	A	E		A	USGS	D
03020201	HORSE CREEK TRIB AT SR 1140 NR POCOMOKE N C	360233	0783103	037	069	SW	1.10		1973		Z				USGS	D
03020201	NEUSE RIVER AT FALLS N C	355627	0783457	037	183	SW	770.00		1952	1973	A	A		A	USGS	D
03020201	NEUSE RIVER NEAR FALLS N C	355624	0783432	037	183	SW	770.00	014	1969		A	A			USGS	D
03020201	NEUSE RIVER TRIB ABOVE SR 1705 NEAR CLAYTON	353905	0782411	037	101	SW	1.30		1973		A				USGS	D
03020201	NEUSE RIVER NEAR CLAYTON, N. C.	353850	0782421	037	101	SW	1140.00	014	1942	1978	E	E		E	USGS	D
03020201	NEUSE RIVER AT SMITHFIELD, N.C.	353046	0782100	037	101	SW	1200.00		1953	1979	R	E		R	USGS	D
03020201	MIDDLE CREEK NEAR CLAYTON, N. C.	353412	0783530	037	101	SW	80.70	004	1969	1979	R			R	USGS	D
03020201	BEAVERDAM CREEK NEAR DOBBERSVILLE N C	351756	0781557	037	191	SW			1973		Z				USGS	D
03020201	LITTLE RIVER NEAR KENLY, N. C.	353518	0781112	037	101	SW	190.00	004	1969	1979	A	E		A	USGS	D
03020201	LITTLE RIVER NEAR PRINCETON, N. C.	353040	0780936	037	101	SW	229.00	004	1954	1979	A	E		A	USGS	D
03020201	BLACK RIVER NEAR TOMAHAWK N C	354517	0781721	037	163	SW	680.00	004	1975	1979	R			R	USGS	D
03020202	NEUSE RIVER NEAR GOLDSBORO, N. C.	352014	0775951	037	191	SW	2390.00	014	1947		A	E		A	USGS	D
03020202	MILL CREEK NEAR SEVENS SPRINGS N C	351414	0775257	037	191	SW	.79		1973	1979	R				USGS	D
03020202	NEUSE RIVER AT KINSTON, N. C.	351529	0773509	037	107	SW	2690.00	004	1948		E	E		E	USGS	D
03020202	CLAYFOOT SWAMP NEAR SHELMERDINE N C	352716	0771312	037	147	SW	.60		1973	1979	R				USGS	D
03020202	CREEPING SWAMP NEAR CALICO N C	352542	0771112	037	013	SW	9.80	004	1971	1975	M	M			USGS	D
03020202	CREEPING SWAMP TRIB AT SUTTON ROAD NR WILMAR	352507	0771040	037	013	SW	.20	004	1978	1979	A				USGS	D
03020202	CREEPING SWAMP NEAR VANCEBORO N C	352330	0771346	037	049	SW	27.00	004	1971	1975	M				USGS	P
03020202	SWIFT CREEK NEAR VANCEBORO N C	352042	0771145	037	049	SW	182.00	004	1954	1979	R			R	USGS	D
03020202	TRENT RIVER NEAR TRENTON, N.C.	350354	0772724	037	103	SW	168.00	004	1950		R			R	USGS	D
03020203	CONTENTNEA CREEK NEAR LUCAMA, N. C.	354129	0780629	037	195	SW	156.00	004	1971	1979	A			A	USGS	D
03020203	TURNER SWAMP NEAR EUREKA, N. C.	353410	0775240	037	191	SW	2.20	004	1973	1978	R			R	USGS	D
03020203	WHITE OAK SWAMP NEAR MOUNT PLEASANT N C	354855	0780442	037	127	SW	1.00		1973	1979	Z				USGS	D
03020203	NAHUNTA SWAMP NEAR SHINE, N. C.	352920	0774822	037	079	SW	77.60		1969	1979	A	E		A	USGS	D
03020203	RAINBOW CREEK AT US 258 NEAR BROWNTOWN N C	352400	0773450	037	079	SW	5.00		1973	1979	A				USGS	D
03020203	CONTENTNEA CREEK AT HOOKERTON, N. C.	352540	0773510	037	079	SW	729.00		1948		K			K	USGS	D
03020203	LITTLE CONTENTNEA CREEK NEAR FARMVILLE, N. C	353208	0773041	037	147	SW	93.30		1968	1979	R			R	USGS	D
03020204	CROOKED RUN AT SR 1123 NEAR TRENTON N C	350225	0772207	037	103	SW	17.00		1973	1979	R				USGS	D
03020204	BRICE CREEK AT SR 1100 AT CROATAN N C	345756	0765826	037	049	SW	.80		1973	1979	A				USGS	D

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03030002	REEDY FORK NEAR OAK RIDGE, N. C.	361024	0795715	037	081	SW	19.90	004	1976	1979	K			K	USGS	D
03030002	REEDY FORK NEAR GIBSONVILLE, N. C.	361031	0793657	037	081	SW	133.00	014	1950	1979	A			A	USGS	D
03030002	NORTH BUFFALO CREEK NEAR GREENSBORO, N.C.	360713	0794230	037	081	SW	37.00	024	1976	1979	A			A	USGS	D
03030002	HAW RIVER AT HAW RIVER, N.C.	360513	0792202	037	001	SW	599.00	014	1969	1979	A	A		A	USGS	D
03030002	BIG ALAMANCE CREEK NEAR ELON COLLEGE N C	360221	0793145	037	001	SW	116.00	004	1976	1979	A			A	USGS	D
03030002	CANE CREEK NEAR BUCKHORN N C	360119	0791029	037	135	SW	1.00		1973	1979	A				USGS	D
03030002	CANE CREEK NEAR TEER, N. C.	355634	0791446	037	135	SW	31.30	004	1969	1972	A	A		A	USGS	D
03030002	HAW RIVER NEAR BYNUM N C	354548	0790802	037	037	SW	1284.00		1976	1979	A			A	USGS	D
03030002	WARD CREEK NEAR BYNUM N C	354640	0790544	037	037	SW			1973		Z				USGS	D
03030002	HAW RIVER NEAR PITTSBORO, N.C.	354207	0790512	037	037	SW	1310.00	014	1968	1973	A	E		A	USGS	D
03030002	NEW HOPE CR TRIB AT SR 1715 NR FARRINGTON N	354708	0790150	037	037	SW	.30		1975		R				USGS	D
03030002	NEW HOPE RIVER NEAR PITTSBORO, N. C.	354412	0790136	037	037	SW	285.00	014	1954	1973	A			A	USGS	D
03030002	HAW RIVER NEAR HAYWOOD, N. C.	353856	0790359	037	037	SW	1700.00	004	1969		R			R	USGS	D
03030003	EAST FORK DEEP RIVER NEAR HIGH POINT, N.C.	360215	0795646	037	081	SW	14.70	004	1976	1979	A			A	USGS	D
03030003	DEEP RIVER NEAR RANDLEMAN, N.C.	355406	0795105	037	151	SW	124.00	014	1976	1979	A			A	USGS	D
03030003	SANDY CREEK TRIB AT MELANCTON N C	355026	0793917	037	151	SW	3.30		1973		R				USGS	D
03030003	DEEP RIVER AT RAMSEUR, N.C.	354336	0793915	037	151	SW	346.00	014	1945		A			A	USGS	D
03030003	GRASSY CREEK NEAR JUGTOWN N C	352913	0793730	037	125	SW	3.20		1973		Z				USGS	D
03030003	BIG GOVERNORS CREEK TRIB NEAR CARTHAGE N C	352305	0791956	037	125	SW	2.90		1975		Z				USGS	D
03030003	TICK CREEK NEAR MOUNT VERNON SPRINGS, N. C.	353937	0792008	037	037	SW	15.30	004	1976	1979	R			R	USGS	D
03030003	DEEP RIVER AT MONCURE, N.C.	353741	0790648	037	105	SW	1410.00	014	1954	1979	A	E		A	USGS	D
03030003	DEEP RIVER AT US HIGHWAY 1 AT MONCURE N C	353700	0790600	037	037	SW	1420.00	014	1964	1973	S			S	USGS	D
03030004	BUCKHORN CREEK NR CORINTH, N.C.	353418	0785809	037	037	SW	74.20	004	1972	1979	A	E		A	USGS	D
03030004	PARKERS CREEK TRIB NEAR COKESBURY N C	353219	0785517	037	085	SW	.50	004	1977	1979	A				USGS	D
03030004	CAPE FEAR RIVER AT LILLINGTON, N. C.	352430	0784848	037	085	SW	3440.00	014	1943		A	E		A	USGS	D
03030004	FLAT CREEK NEAR INVERNESS N C	351054	0791040	037	093	SW	7.65	004	1973	1979	Z				USGS	D
03030004	LITTLE RIVER AT LINDEN, N. C.	351546	0784635	037	085	SW	460.00	004	1945	1969	R			R	USGS	D
03030005	HEWLETTS CR AT SR1102 NEAR WILMINGTON N.C.	341128	0775332	037	129	SW	1.20	003	1975	1979	R			R	USGS	D
03030005	CAPE FEAR R AT WILM O HUSKE LOCK NR TARHEEL	345005	0784927	037	017	SW	4810.00	014	1953	1979	R			R	USGS	D
03030005	ELLIS CREEK TRIB AT SR1325 NEAR WHITE OAK N	344602	0784124	037	017	SW	1.60	004	1978	1979	A				USGS	D
03030005	CAPE FEAR R AT LOCK # 1 NR KELLY, NC	342415	0781738	037	017	SW	5220.00	004	1955		E	E		E	USGS	D
03030006	BUCKHEAD CREEK NEAR OWENS N.C.	350137	0785708	037	051	SW	2.76	003	1975	1979	R			R	USGS	D
03030006	LITTLE COHARIE CREEK NEAR ROSEBORO, N. C.	345713	0782917	037	163	SW	96.40	004	1975	1979	R			R	USGS	D
03030006	BLACK RIVER AT SR 1722 NEAR DUNN N C	352052	0783728	037	085	SW	38.00	004	1977		K			K	USGS	D

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03030006	BLACK RIVER NEAR DUNN N C	351703	0783821	037	085	SW	49.00	004	1977		M			M	USGS	D
03030006	SOUTH RIVER TRIB AT N C 41 AT TOMAHAWK N C	344215	0782025	037	163	SW	2.80		1973	1979	R				USGS	D
03030007	NORTHEAST CAPE FEAR RIVER NEAR CHINQUAPIN, N	344945	0774957	037	061	SW	600.00	004	1949	1979	R			R	USGS	D
03030007	ROCKFISH CREEK NEAR WALLACE, N. C.	344432	0780222	037	061	SW	63.80	004	1975	1979	R			R	USGS	D
03030007	LITTLE ROCKFISH CREEK AT WALLACE N C	344402	0775803	037	061	SW	7.80	003	1975	1979	R			R	USGS	D
03030007	LILLINGTON CREEK NEAR ST HELENA N C	343027	0774857	037	141	SW	7.60		1973	1979	A				USGS	D
030306 Q	SOUTH RIVER NEAR PARKERSBURG, N. C.	344845		037	017	SW	382.00	004	1960	1979	R			R	USGS	D
03040101	YADKIN RIVER AT PATTERSON, N. C.	355929	0813330	037	027	SW	29.00	004	1947		R			R	USGS	D
03040101	ELK CREEK AT ELKVILLE, N.C.	360416	0812413	037	193	SW	50.90	004	1965	1979	R			R	USGS	D
03040101	BIG WARRIOR CREEK SUBTRIB NEAR BOOMER N C	360304	0811547	037	193	SW	.30		1973	1979	A				USGS	D
03040101	REDDIES RIVER AT NORTH WILKESBORO, N. C.	361029	0811009	037	193	SW	93.90	004	1947	1979	R			R	USGS	D
03040101	YADKIN RIVER AT WILKESBORO N C	360909	0810845	037	193	SW	493.00	014	1946		K			K	USGS	D
03040101	ROARING RIVER NEAR ROARING RIVER, N. C.	361459	0810241	037	193	SW	122.00	004	1952	1979	R			R	USGS	D
03040101	GRAYS CREEK NEAR CLINGMAN N C	361027	0805803	037	193	SW			1973		Z				USGS	D
03040101	YADKIN RIVER AT ELKIN, N. C.	361440	0805042	037	197	SW	854.00	014	1964	1979	K	A		K	USGS	D
03040101	MITCHELL RIVER NEAR STATE ROAD, N. C.	361858	0804836	037	171	SW	80.40	004	1952	1979	K			K	USGS	D
03040101	ENDICOTT CREEK NEAR BLEVINS STORE N C	362815	0805006	037	171	SW			1973		Z				USGS	D
03040101	FISHER RIVER NEAR COPELAND, N. C.	362027	0804020	037	171	SW	121.00	004	1947	1979	K			K	USGS	D
03040101	ARARAT RIVER AT ARARAT, N. C.	362416	0803343	037	171	SW	231.00	004	1964		R			R	USGS	D
03040101	EAST PRONG LITTLE YADKIN R TRIB NEAR CAPELLA	362149	0802108	037	169	SW	.50		1973	1979	A				USGS	D
03040101	LITTLE YADKIN RIVER AT DALTON, N. C.	361756	0802553	037	169	SW	42.80	004	1957		N			N	USGS	D
03040101	YADKIN RIVER AT ENON, N. C.	360755	0802639	037	197	SW	1680.00	014	1963		K			K	USGS	D
03040101	LITTLE FORBUSH CREEK NEAR FORBUSH N C	361113	0803459	037	197	SW	1.70		1973		A				USGS	D
03040101	SALEM CREEK NR ATWOOD, N. C	360216	0801818	037	067	SW	64.40	003	1975		K	A		K	USGS	D
03040101	MUDDY CREEK NEAR MUDDY CREEK, N. C.	360001	0802025	037	067	SW	178.00	013	1970	1979	K	A		K	USGS	D
03040101	SOUTH FORK MUDDY CREEK NR. CLEMMONS, N.C.	360022	0801807	037	067	SW	42.30	003	1961	1979	K	A		K	USGS	D
03040101	FRYES CREEK TRIB AT SR 1506 NEAR MIDWAY N C	355730	0801432	037	057	SW	.40		1973		A				USGS	D
03040101	YADKIN RIVER AT YADKIN COLLEGE N C	355124	0802310	037	057	SW	2280.00	004	1942		O	M	A	O	USGS	D
03040101	HUMPY CREEK NEAR FORK N C	355117	0802624	037	059	SW	1.05		1973		R			R	USGS	D
03040102	OLIN CREEK AT SR 1868 NEAR UNION GROVE N C	355915	0805516	037	097	SW	2.00		1973	1979	A				USGS	D
03040102	SOUTH YADKIN RIVER NEAR MOCKSVILLE N C	355039	0803938	037	159	SW	313.00	024	1956		2	E		2	USGS	D
03040102	HUNTING CREEK NEAR HARMONY, N. C.	360001	0804445	037	097	SW	153.00	004	1952	1979	K			K	USGS	D
03040102	THIRD CREEK NR. STONY POINT, N. C.	355200	0810400	037	003	SW	4.84	024	1956	1975	2	M		2	USGS	D
03040102	TRIB TO THIRD CREEK TRIB NR BARBER, N.C.	354402	0803904	037	159	SW	.04	004	1977		Z				USGS	D

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03040103	SPENCER CREEK AT S R 1303 AT UWHARRIE N C	352522	0795953	037	123	SW	6.90	004	1977	1979	Z				USGS	D
03040103	KILLIAN CREEK AT SR 1349 NEAR DENVER N C	353210	0800313	037	109	SW	2.60		1973	1979	A				USGS	D
03040104	GOULDS FORK AT SR1205 NEAR WADESBORO	345723	0800723	037	007	SW	3.80	004	1977		Z				USGS	D
03040104	LITTLE RIVER NEAR STAR, N. C.	352311	0794956	037	123	SW	105.00	004	1952	1979	R			R	USGS	D
03040105	YADKIN RIVER AT SILOAM, N. C.	351642	0803318	037	171	SW	1220.00		1976	1979	S	A		S	USGS	D
03040105	PARK CREEK AT SR 1614 NEAR KANNAPOLIS N C	352953	0804258	037	025	SW			1973		Z				USGS	D
03040105	BIG BEAR CREEK NEAR RICHFIELD, N. C.	352002	0802009	037	167	SW	55.70	004	1974	1979	A			A	USGS	D
03040105	GOURDVINE CREEK AT SR 1715 NEAR OLIVE BRANCH	350602	0802011	037	179	SW	8.75		1978	1979	A			A	USGS	D
03040105	LANE CREEK AT SR 2115 NEAR TRINITY NC	345039	0802849	037	179	SW	3.98		1978	1979	A			A	USGS	D
03040105	WICKER BRANCH AT SR 1940 NEAR TRINITY NC	345253	0802624	037	179	SW	5.83		1978	1979	A			A	USGS	D
03040105	ROCKY RIVER NEAR NORWOOD, N. C.	350900	0801000	037	167	SW	1370.00	004	1946		E			E	USGS	D
03040105	MCMULLEN CR AT SHARON VIEW RD NEAR CHARLOTTE	350827	0804913	037	119	SW	6.98	023	1962	1979	R	A		R	USGS	D
03040105	TWELVE MILE CREEK NEAR WAXHAW, N. C.	345706	0804523	037	179	SW	72.40	004	1952	1979	K			K	USGS	D
03040201	PEE DEE R NR ROCKINGHAM, NC	345646	0795211	037	153	SW	6870.00	014	1946		H	H		H	USGS	D
03040201	BONES FORK CREEK NEAR HOFFMAN N C	350126	0793802	037	153	SW	6.96		1973		Z				USGS	D
03040201	PEE DEE RIVER AT PEEDEE S. C.	341215	0793255	045	067	SW	8830.00	014	1948		M	M		M	USGS	D
03040202	LYNCHES RIVER AT EFFINGHAM S. C.	340305	0794515	045	009	SW	1030.00	004	1951		M	M		9	USGS	D
03040203	DROWNING CREEK NEAR HOFFMAN, N. C.	350338	0792939	037	153	SW	178.00	004	1945	1979	N			N	USGS	D
03040203	LUMBER RIVER AT BOARDMAN, N. C.	342632	0785738	037	155	SW	1220.00		1968		Q			Q	USGS	D
03040205	SCAPE ORE SWAMP NEAR BISHOPVILLE,SC	340902	0801818	045	061	SW	96.00	004	1970		Q	A		Q	USGS	D
03040205	BLACK RIVER AT KINGSTREE, S.C.	333940	0795010	045	089	SW	1252.00	004	1962		A	A		A	USGS	D
03040206	WACCAMAW RIVER AT FREELAND, N. C.	340543	0783256	037	019	SW	706.00		1949	1979	R			R	USGS	D
03040207	JUNIPER CREEK AT N C 211 NEAR PROSPECT N C	340607	0781825	037	019	SW	6.40		1973	1979	A				USGS	D
03050101	CATAWBA RIVER NEAR MARION, N.C.	354226	0820200	037	111	SW	171.00		1944	1979	R			R	USGS	D
03050101	LINVILLE RIVER NEAR NEBO N C	354743	0815327	037	023	SW	67.20	004	1954	1979	R			R	USGS	D
03050101	LOWER CREEK AT MULBERRY ST AT LENOIR, N. C.	355420	0813159	037	027	SW	31.80	023	1975	1979	R			R	USGS	D
03050101	LOWER LITTLE RIVER NEAR ALL HEALING SPRINGS,	355650	0811357	037	003	SW	28.20	004	1955		R			R	USGS	D
03050101	LOWER LITTLE R TRIB AT SR 1124 NR TAYLORSVIL	355324	0811352	037	003	SW	2.60		1973	1979	A				USGS	D
03050101	LONG CREEK NEAR PAW CREEK, N. C.	351942	0805435	037	119	SW	16.10	004	1965		K			K	USGS	D
03050102	HENRY FORK TRIB AT SR 1924 NR PLEASANT GROVE	353907	0813628	037	023	SW	3.20		1973	1979	A				USGS	D
03050102	HENRY FORK NEAR HENRY RIVER, N.C.	354106	0812403	037	035	SW	80.00	124	1953		R			R	USGS	D
03050102	JACOB FORK AT RAMSEY, N. C.	353526	0813402	037	023	SW	25.40	004	1974		R			R	USGS	D
03050102	INDIAN CREEK NEAR LABORATORY N C	352520	0811552	037	109	SW	68.40	004	1951	1979	A			A	USGS	D
03050102	LONG CREEK NEAR BESSEMER CITY, N. C.	351923	0811403	037	071	SW	31.40	024	1955		R			R	USGS	D

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03050103	IRWIN CREEK NEAR CHARLOTTE, N. C.	351150	0805420	037	119	SW	30.50	013	1961	1979	R			R	USGS	D
03050103	LITTLE SUGAR CR AT ARCHDALE RD AT CHARLOTTE	350852	0805129	037	119	SW	42.60		1978	1979	R	A		R	USGS	D
03050103	MCALPINE CREEK AT SARDIS ROAD NEAR CHARLOTTE	350813	0804606	037	119	SW	38.30	013	1962	1979	K			K	USGS	D
03050103	MCALPINE CR BELOW MCMULLEN CR NR PINEVILLE N	350359	0805212	037	119	SW	92.40	024	1975	1980	K			K	USGS	D
03050103	SUGAR CREEK NEAR FORT MILL S C	350021	0805409	045	091	SW	262.00	004	1969	1978	E			E	USGS	D
03050105	COVE CREEK NEAR LAKE LURE, N.C.	352524	0820642	037	161	SW	77.00	004	1952		R	A		R	USGS	D
03050105	SILVER CREEK NEAR MILL SPRING N C	351835	0821210	037	149	SW			1973		Z				USGS	D
03050105	SECOND BROAD RIVER AT CLIFFSIDE, N.C.	351408	0814557	037	161	SW	211.00	014	1947		N			N	USGS	D
03050105	BROAD RIVER NEAR BOILING SPRINGS, N.C.	351229	0814152	037	045	SW	864.00	014	1944		N			N	USGS	D
03050105	FIRST BROAD RIVER NEAR CASAR, N. C.	352935	0814056	037	045	SW	59.50	004	1952	1979	K			K	USGS	D
03050105	LITTLE HARRIS CREEK AT SR 1821 NEAR CAMPBELL	352234	0813545	037	045	SW	1.20		1973		A				USGS	D
03050105	SUGAR BRANCH NEAR BOILING SPRINGS N C	351500	0813720	037	045	SW	1.49	004	1975	1979	R			R	USGS	D
03050110	CONGAREE RIVER AT COLUMBIA, SC	335935	0810300	045	079	SW	7850.00	124	1959		M	M			USGS	
03050110	SANTEE RIVER NEAR FORT MOTTE S C	334500	0803732	045	017	SW	14100.00	014	1965	1968	N			N	USGS	D
03050111	LAKE MARION NEAR PINEVILLE, S.C.	332700	0800950	045	015	SW	14700.00	014	1968		S			S	USGS	D
03050112	SANTEE RIVER NR. PINEVILLE S. C.	332715	0800925	045	015	SW	14700.00	014	1951		M	M		E	USGS	D
03050112	CRAWL CREEK NR PINEVILLE, S.C.	332618	0795947	045	015	SW		004	1974		N	N		N	USGS	D
03050112	SANTEE RIVER BELOW ST. STEPHENS, SC	332405	0795120	045	015	SW	14900.00	014	1974		R	R		R	USGS	D
03050201	LAKES M-M DIV CANAL NR PINEVILLE S. C.	332315	0800825	045	015	SW		012	1971		M	H		E	USGS	D
03050205	EDISTO RIVER NR GIVHANS S.C.	330140	0802330	045	035	SW	2730.00	024	1967		M	M		9	USGS	D
03050208	COOSAWHATCHIE RIVER NR HAMPTON S.C.	325010	0810755	045	049	SW	203.00	004	1972		M	M		9	USGS	D
03060102	TUCKALUGE CR1	345405	0831802	013	241	SW			1972		K				USFS	D
03060102	CHATTOOGA RIVER NEAR CLAYTON, GA.	344850	0831822	045	073	SW	207.00	004	1941		E			E	USGS	D
03060103	HARTWELL RE DISCHARGE GA	342125	0824920	013	147	SW	2088.00		1972		W				USCE	D
03060103	COLDWATER CREEK NR RUCKERSVILLE	341128	0824536	013	105	SW			1976		B	B	B		USCE	C
03060103	SAVANNAH R AT TROTTERS SHOALS	340121	0823542	045	001	SW			1976		B	B	B		USCE	C
03060103	SAVANNAH RIVER NR IVA	341520	0824446	045	007	SW			1974		B	B	B		USCE	C
03060103	CEDAR CREEK AT HIGHWAY 181	341904	0824832	013	147	SW			1976		B	B	B		USCE	C
03060103	SAVANNAH RIVER AT HIGHWAY 181	341928	0824728	045	007	SW			1976		B	B	B		USCE	C
03060103	SAVANNAH R BELOW HARTWELL DAM	342113	0824856	013	017	SW			1976		B	B	B		USCE	C
03060103	BIG GENEROSTEE C AT S C HWY 187	342213	0824626	045	007	SW			1976		B	B	B		USCE	C
03060103	BEAVER DAM C NR ELBERTON	340842	0825142	013	105	SW			1976		B	B	B		USCE	C
03060103	SAVANNAH R AT CALHOUN FALLS	340412	0823831	045	001	SW			1976		B	B	B		USCE	C
03060103	ROCKY R NR CALHOUN FALLS	340724	0823735	045	001	SW			1976		B	B	B		USCE	C

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03060103	ROCKY R NR LOWNDESVILLE	341245	0823748	045	001	SW			1976		B	B	B		USCE	C
03060103	ROCKY R BELOW LAKE SECESSION	341525	0823638	045	001	SW			1976		B	B	B		USCE	C
03060103	BEAVER DAM CREEK NEAR MIDDLETON	340540	0824343	013	105	SW			1976		B	B	B		USCE	C
03060104	TOMS CREEK TRIB (NFBR SWS NO. 14) NR AVALON,	342935	0831323	013	257	SW	1.20	004	1963	1975	2			2	USGS	D
03060104	BROAD RIVER NEAR BELL, GA.	335827	0824612	013	105	SW	1430.00	004	1937		2			2	USGS	D
03060105	LITTLE RIVER NEAR WASHINGTON, GA.	333640	0824440	013	317	SW	291.00	004	1958	1974	2			2	USGS	D
03060106	UPPER THREE RUNS NEAR NEW ELLENTON,	332305	0813700	045	003	SW	87.00	004	1967		M	9		7	USGS	D
03060108	BRIER CREEK NEAR WAYNESBORO, GA.	330705	0815750	013	033	SW	473.00	004	1969		H			H	USGS	D
03060108	BRIER CREEK AT MILLHAVEN, GA.	325600	0813905	013	251	SW	646.00	004	1937	1979	2			2	USGS	D
03060109	SAVANNAH R AT R MILE 20 GA	320858	0810845	013	051	ES			1970		B	B	B		USCE	C
03060109	SAVANNAH R AT R MILE 21.6 GA	320955	0810922	013	051	ES			1968		B	B	B		USCE	C
03060109	SAVANNAH RIVER NEAR CLYO, GA	323130	0811545	013	103	SW	9850.00	014	1938		M	M		M	USGS	D
03060202	OGEECHEE RIVER NEAR EDEN, GA.	321129	0812458	013	103	SW	2650.00		1937		H			H	USGS	D
03070101	MIDDLE OCONEE RIVER NEAR ATHENS, GA.	335648	0832522	013	059	SW	398.00	004	1937	1978	R			R	USGS	D
03070101	OCONEE RIVER NEAR GREENSBORO, GA.	333452	0831622	013	133	SW	1090.00	004	1937		2			2	USGS	D
03070102	OCONEE RIVER AT DUBLIN, GA.	323240	0825341	013	175	SW	4400.00	004	1906		2			2	USGS	D
03070103	PATES CREEK AT BUSTER LEWIS RD NEAR FLIPPEN,	332934	0841444	013	151	SW	11.90		1977		H			H	USGS	D
03070103	SOUTH RIVER NEAR MCDONOUGH, GA.	332948	0840053	013	151	SW	456.00	004	1941		H			H	USGS	D
03070103	YELLOW RIVER NEAR COVINGTON, GA.	333652	0835454	013	217	SW	378.00	004	1957		H			H	USGS	D
03070103	ALCOVY RIVER ABOVE COVINGTON, GA.	333824	0834645	013	217	SW	185.00	004	1971	1972	R			R	USGS	D
03070103	FALLING CREEK NEAR JULIETTE, GA.	330559	0834325	013	169	SW	72.20	004	1964		H			H	USGS	D
03070103	OCMULGEE RIVER AT MACON, GA.	325019	0833714	013	021	SW	2240.00	004	1906	1975	2			2	USGS	D
03070106	ALTAMAHA RIVER AT DOCTORTOWN, GA.	313916	0814941	013	305	SW	13600.00	004	1937		E			E	USGS	D
03070106	PENHOLOWAY CREEK AT U.S. 341 NR JESUP,GA.	313400	0815018	013	305	SW	210.00	004	1970		H			H	USGS	D
03070106	ALTAMAHA RIVER AT EVERETT CITY, GA.	312537	0813620	013	127	SW	14100.00	004	1968		A	A		A	USGS	D
03070107	OHOOPEE RIVER NEAR REIDSVILLE, GA.	320442	0821039	013	267	SW	1110.00	004	1937		H			H	USGS	D
03070201	SATILLA RIVER AT ATKINSON, GA.	311316	0815203	013	025	SW	2790.00	004	1937		H			H	USGS	D
03070202	LITTLE SATILLA RIVER NEAR OFFERMAN, GA.	312704	0820317	013	229	SW	646.00	004	1957		H			H	USGS	D
03070204	ST MARYS R AT GA LINE US 17	304416	0814114	012	089	SW			1961				A		FL051	D
03070204	MIDDLE PRONG ST MARYS RI AT TAYLOR FL	302610	0821715	012	003	SW	125.00	004	1956		K			K	USGS	D
03070204	ST MARYS RIVER NR MACCLENNY, FLA.	302131	0820454	012	003	SW	700.00	004	1956		M			M	USGS	D
03070204	DUNNS CREEK NR OCEANWAY, FLORIDA	302901	0813609	012	031	SW			1977		A			A	USGS	D
03070205	AMELIA RIVER AT BUOY 20	303648	0812800	012	089	ES			1969				A		FL051	D
03090101	ST JOHNS R ASTOR-FLA HWY 40	291005	0813125	012	127	SW			1971				A		FL051	D

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03080101	ST JOHNS R US 17-92	285013	0811922	012	127	SW			1968				A		FL051	D
03080101	ST JOHNS R FR L WASHINGTON	280957	0804550	012	009	SW			1968				A		FL051	D
03080101	BIG ECONLOCKHATCHEE R SR #419	283917	0811012	012	117	SW			1970				A		FL051	C
03080101	LIT WEKIVA RI AT SR #434	284111	0812350	012	117	SW			1971				A		FL051	C
03080101	ST. JOHNS HEADWATERS NEAR VERO BEACH, FLA.	273826	0804043	012	061	SW	297.00	014	1966	1979	A				USGS	D
03080101	JANE GREEN CREEK NEAR DEER PARK, FLA.	280427	0805318	012	097	SW	248.00	004	1954		A			A	USGS	D
03080101	ST. JOHNS RIVER NEAR MELBOURNE FLA	280504	0804508	012	009	SW	968.00	004	1952		A				USGS	D
03080101	WOLF CREEK NEAR DEER PARK, FLA.	281246	0805440	012	097	SW	25.70	124	1956		A			A	USGS	D
03080101	ST. JOHNS RIVER NR COCOA, FLA.	282210	0805222	012	009	SW	1331.00	004	1952		H			K	USGS	D
03080101	ECONLOCKHATCHEE RIVER NR. CHULUOTA, FLA.	284040	0810651	012	117	SW	241.00	024	1954		A			A	USGS	D
03080101	ST. JOHNS RIVER ABOVE LAKE HARNEY, FLA.	284250	0810208	012	117	SW	2043.00	004	1954		A				USGS	D
03080101	BLACKWATER CREEK NR CASSIA, FLA.	285237	0812921	012	069	SW	126.00	004	1956		A				USGS	D
03080101	ST. JOHNS RIVER NR DELAND, FLA.	290029	0812258	012	069	SW	3066.00		1948		S			S	USGS	D
03080101	10B TAYLOR CREEK BL S-164 NR COCOA FLA	282025	0805601	012	097	SW			1978		A				USGS	D
03080101	09E TAYLOR CREEK AT HWY 532 NR COCOA FLA	282110	0805545	012	009	SW			1971	1972	A				USGS	D
03080101	09E TAYLOR CREEK AT LAKE POINSETT NR COCOA	282117	0805230	012	095	SW			1971	1972	A				USGS	D
03080101	PALATLAKAHA R BLW LK WILSON NR CLERMON	283542	0814802	012	069	SW			1978		A				USGS	D
03080101	LAKE CHARITY HOLDING POND AT MAITLAND FLA	283749	0812248	012	095	SS			1975		A				USGS	D
03080101	09E RUNOFF TO LK CHARITY AT MAITLAND FLA.	283811	0812246	012	095	SS			1971		R				USGS	D
03080101	09E RUNOFF TO LK FAITH AT MAITLAND FLA.	283822	0812208	012	095	SS			1971		R				USGS	D
03080101	RUNOFF TO LK HOPE AT MAITLAND, FLA	283824	0812215	012	095	SS			1971		A				USGS	D
03080101	RAINFALL AT LAKE HOPE AT MAITLAND, FLA	283824	0812215	012	095	ME			1972		A				USGS	D
03080101	BLACK WATER CR AT LK NORRIS RD NR CASS	285449	0813205	012	069	SW			1978		A				USGS	D
03080101	BLACK WATER CREEK AT SR42 NR ALTOONA	285738	0813448	012	069	SW			1978		A				USGS	D
03080102	OKLAWAHA R AT SR 464	290453	0815305	012	083	SW			1971				A		FL051	D
03080102	OKLAWAHA RIVER AT SR 316	292222	0815406	012	083	SW			1971				A		FL051	D
03080102	OKLAWAHA R. DWNSTRM OF RODMAN DA	292910	0814718	012	107	SW			1971				A		FL051	D
03080102	LK APOPKO BEAUCLAIR CA BRF NT RANG	284020	0814043	012	069	SW			1973				A		FL051	D
03080102	BIG CREEK NR CLERMONT, FLA.	282651	0814425	012	069	SW	68.00	004	1945		A				USGS	D
03080102	LITTLE CREEK NR CLERMONT, FLA.	282739	0814526	012	069	SW	14.70	004	1956		A				USGS	D
03080102	PALATLAKAHA R AT CHERRY LK OUT NR GROVELAND,	283533	0814921	012	069	SW	165.00	014	1956		A				USGS	D
03080102	PALATLAKAHA RIVER NR MASCOTTE, FLA.	283656	0815153	012	069	SW	182.00	014	1956		A				USGS	D
03080102	PALATLAKAHA R AT STRUCT M-1, NR OKAHUMPKA, F	284439	0815222	012	069	SW	221.00	014	1968		A				USGS	D
03080102	APOPKA-BEAUCLAIR CANAL NR ASTATULA, FLA.	284320	0814106	012	069	SW	184.00	014	1966		A				USGS	D

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03080102	OKLAWAHA R AT MOSS BLUFF, FLA.	290455	0815305	012	083	SW	879.00	014	1958		E			E	USGS	D
03080102	OKLAWAHA RIVER NR OCALA, FLA.	291100	0815940	012	083	SW	1018.00	014	1956		E			E	USGS	D
03080102	OKLAWAHA RIVER NR CONNER, FLA.	291250	0815910	012	083	SW	1196.00	014	1966		E			E	USGS	D
03080102	OKLAWAHA RIVER AT EUREKA, FLA.	292220	0815410	012	083	SW	1367.00	014	1969		E			E	USGS	D
03080102	ORANGE CREEK AT ORANGE SPRINGS, FLA.	293034	0815647	012	083	SW	1067.00	024	1956		E			E	USGS	D
03080102	DEEP CREEK NR RODMAN, FLA.	293228	0815012	012	107	SW	54.30	004	1958		E			E	USGS	D
03080102	OKLAWAHA R AT RODMAN DAM NR ORANGE SPRINGS,	293030	0814815	012	107	SW	2747.00	124	1968		E			E	USGS	D
03080102	OKLAWAHA R AT ST HWY 19, NR SALT SPRINGS, FL	292900	0814400	012	107	SW	2762.00	124	1942		S				USGS	D
03080102	PALATLAKAHA R AT LK LOUISA O NR CLERMO	283009	0814453	012	069	SW			1978		A				USGS	D
03080102	PALATLAKAHA R AT LK SUSAN NR CLERMONT	283113	0814523	012	069	SW			1978		A				USGS	D
03080103	ST JNS R US HWY 17 CITY OF PALATKA	294454	0813749	012	107	SW			1972				A		FL051	D
03080103	CROSS FL BARGE CA AB BUCKMAN LOCK NR PALATKA	293240	0814350	012	107	SW		014	1968		E				USGS	D
03080103	CROSS FL BARGE CA AT BUCKMAN LOCK NR PALATKA	293245	0814335	012	107	SW		014	1968		E				USGS	D
03080103	ST. JOHNS RIVER AT PALATKA, FLA.	293848	0813732	012	107	SW	7094.00	004	1962		M			E	USGS	D
03080103	JULINGTON CREEK NR GREENLAND, FLA.	301119	0813345	012	031	SW	8.90	004	1965		A			A	USGS	D
03080103	MCCOY CREEK AT JACKSONVILLE, FLA.	301935	0814156	012	031	SW	3.51		1975		A			A	USGS	D
03080103	CEDAR CREEK NR PANAMA PARK, FLA.	302730	0814049	012	031	SW	6.27	004	1964		A				USGS	D
03080103	PABLO CREEK AT JACKSONVILLE, FLA.	301407	0812842	012	031	SW	25.80	004	1974		A			A	USGS	D
03080103	POTTSBURG CREEK NR BOWDEN, FLORIDA	301527	0813453	012	031	SW			1972		A			A	USGS	D
03080103	MCGIRTS CREEK NR WHITEHOUSE, FLORIDA	301948	0815147	012	031	SW			1972		A			A	USGS	D
03080103	TROUT RIVER NR DINSMORE, FLORIDA	302425	0815033	012	031	SW			1972		A			A	USGS	D
03080201	MOULTRIE CREEK AT SHWY 207 NR ST AUGUSTINE,	295050	0812139	012	109	SW	19.80	004	1961		A			A	USGS	D
03080201	SPRUCE CREEK NR SAMSULA, FLA.	290301	0810249	012	127	SW	33.40		1956		M				USGS	D
03080202	BENNETT CAUSEWAY RT 528 INDIAN R	282407	0804405	012	009	SW			1971				A		FL051	C
03080203	CONFLUENCE SEBASTIAN R IND R	275127	0802850	012	009	ES			1971				A		FL051	C
03080203	MAIN CANAL AT VERO BEACH, FLA.	273854	0802410	012	061	SW		014	1954		M				USGS	D
03080203	BELCHER CANAL AT JOHNSON ROAD	272812	0802512	012	111	SW			1975		A				USGS	D
03080203	CANAL AT JUNCTION OF 603 AND INDRIO ROAD	273115	0802552	012	111	SW			1975		A				USGS	D
03090101	SHINGLE CR AT US HWY 17-92 BR DO	281605	0812538	012	097	SW			1970				A		FL051	C
03090101	ARBUCKLE CR AT ARBUCKLE CR RD	273137	0812132	012	055	SW			1971				A		FL051	C
03090101	SHINGLE CREEK AT AIRPORT NR KISSIMMEE, FLA.	281814	0812704	012	097	SW	89.20	004	1962		E			E	USGS	D
03090101	KISSIMMEE RIVER BL S-65 NR LAKE WALES, FL	274814	0811153	012	097	SW	1607.00	014	1970		E			E	USGS	D
03090101	KISSIMMEE R AT S-65E NR OKEECHOBEE, FLA.	271332	0805746	012	093	SW	2899.00	124	1940		H			A	USGS	D
03090101	KISSIMMEE RIVER BELOW C41A NR OKEECHOBEE FLA	271039	0805546	012	093	SW		014	1973	1973	P				USGS	D

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03090102	TAYLOR CREEK US-441 S	271235	0804756	012	093	SW			1973				A		FL051	C
03090102	TAYLOR CREEK NR BASINGER, FL	272339	0805344	012	093	SW	15.70	124	1966	1978	E			E	USGS	D
03090102	TAYLOR CREEK AB OKEECHOBEE, FLA.	271703	0804920	012	093	SW	98.70	014	1958		E			E	USGS	D
03090103	FISHEATING CREEK S OF PALMDALE	265556	0811854	012	043	SW			1974				A		FL051	C
03090103	FISHEATING CREEK AT PALMDALE, FLA.	265556	0811854	012	043	SW	311.00	004	1956		Q			R	USGS	D
03090103	INDIAN PRAIRIE CANAL AT S-72 NR OKEECHOBEE,	270535	0810025	012	043	SW		014	1966		E			E	USGS	D
03090103	10B KISSIMMEE RIVER AT LAKE OKEECHOBEE FLA	270853	0805221	012	093	SW		004	1948	1973	A				USGS	D
03090202	ST LUCIE LOCK STRUCTURE ON ST LU	270630	0801715	012	085	SW			1969				A		FL051	D
03090202	BISCAYNE BAY	254905	0800904	012	025	ES			1971				A		FL051	C
03090202	MIAMI CA BRIDGE FL HWY 27	255627	0802529	012	025	SW			1973				A		FL051	D
03090202	TAMIAMI C WTR CONTR STRUCT S-12C	254542	0804334	012	025	SW			1973				A		FL051	
03090202	BISCAYNE BAY NAVY MARKER 2	252820	0801700	012	025	ES			1973				A		FL051	C
03090202	RIM DITCH @ S-49	272016	0802033	012	111	SW			1963	1975	2				USGS	D
03090202	SL108 THE SAVANNAHS AT WALTON RD AT WALTON F	271755	0801543	012	111	SW		013	1975		A				USGS	D
03090202	RIM DITCH NEAR WALTON FLA	271541	0802241	012	111	SW			1963	1972	2				USGS	D
03090202	ST LUCIE CA AT LOCK NR STUART FLA	270639	0801706	012	085	SW		014	1960		A			A	USGS	D
03090202	LOXAHATCHEE RIVER NEAR JUPITER	265620	0801030	012	099	SW		014	1971		A			A	USGS	D
03090202	WEST PALM BEACH CANAL AT WEST PALM BEACH FLA	263840	0800332	012	099	SW			1967		A			E	USGS	D
03090202	HILLSBORO CANAL AT S-6 NEAR SHAWANO	262820	0802645	012	099	SW	146.00	014	1945	1979	Q				USGS	D
03090202	10B EVERGLADES STA 1-15 NR DELRAY BEACH FL	262345	0801740	012	099	SW			1972	1975	Q				USGS	
03090202	10B HILLSBORO CANAL AT S-39 NR DEERFIELD BCH	262120	0801758	012	099	SW		014	1939			E			USGS	D
03090202	CYPRESS C CA AT S38 NR POMPANO B	261345	0801750	012	011	SW		014	1941		Q				USGS	C
03090202	POMPANO CA AT POMPANO BEACH FLA	261351	0800728	012	011	SW			1970			E			USGS	D
03090202	CYPRESS CREEK C AT S-37A, NR POMPANO BEACH,	261220	0800757	012	011	SW		014	1961	·		E			USGS	D
03090202	MIDDLE RIVER C AT S-36 NR FT LAUDERDALE FLA	261022	0801047	012	011	SW		014	1962			E			USGS	D
03090202	PLANTATION ROAD C AT S-33 NR FT. LAUDERDALE	260805	0801142	012	011	SW		014	1963			E			USGS	D
03090202	N NEW RIVER CA BL S-11C NR FT. LAUDERDALE	261348	0802735	012	011	SW		014	1941	1979	Q				USGS	
03090202	EVERGLADES STA 2-17 NR ANDYTOWN FLA	261650	0802510	012	011	SW			1956		Q				USGS	
03090202	N NEW R CA AT 20 MI BEND	260843	0802629	012	011	SW		014	1939			E			USGS	D
03090202	10B N NEW R CA AB HOL LAT NR FT LAUD FLA	260640	0801750	012	011	SW			1939	1978		E			USGS	D
03090202	NORTH RIVER CANAL NEAR FT LAUDERDALE FLA	260539	0801348	012	011	SW			1940		R			R	USGS	D
03090202	NORTH RIVER CANAL NEAR FT LAUDERDALE FLA	260539	0801348	012	011	SW			1977		H	E		N	USGS	D
03090202	SOUTH NEW RIVER CANAL AT S-9 NEAR DAVIE	260340	0802630	012	011	SW	83.00	014	1956		E	E			USGS	D
03090202	10B SO NEW R CA AB S-13A NR DAVIE FLA	260351	0801651	012	011	SW		014	1957			E			USGS	D

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03090202	SOUTH NEW RIVER CANAL AT S-13 NR DAVIE, FLA	260357	0801232	012	011	SW			1977			E			USGS	D
03090202	HOLLYWOOD CANAL AT DANIA	260313	0800919	012	011	SW		014	1961			E			USGS	D
03090202	SNAKE CREEK C AT N.W. 67TH AVE NR HIALEAH, F	255750	0801840	012	011	SW			1960			E			USGS	D
03090202	BISCAYNE CANAL AT S-28, NR MIAMI, FLA	255224	0801055	012	025	SW			1968		E			E	USGS	D
03090202	LITTLE RIVER CANAL AT S27 AT MIAMI,FLA	255600	0802550	012	025	SW			1940		E			E	USGS	D
03090202	MIAMI CA AT S8 NR LK HARBOR FLA	261945	0804620	012	011	SW		014	1966	1979	Q				USGS	C
03090202	PENSUCO CAN AT PENSUCO FL	255331	0802252	012	025	SW			1950	1977	A				USGS	D
03090202	MIAMI CA AT WATER PLT HIALEAH FLA	254938	0801715	012	025	SW		014	1939		Q				USGS	
03090202	MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FLA	254829	0801544	012	025	SW			1960		A			E	USGS	D
03090202	TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN,	255310	0811530	012	021	SW			1967		S				USGS	D
03090202	TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN,	255310	0811530	012	021	SW			1977		A			E	USGS	D
03090202	TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONRO	255105	0805850	012	021	SW			1968		A				USGS	D
03090202	EVERGLADES 3-65S NEAR MIAMI, FLA.	254855	0804318	012	025	SW			1957		Q				USGS	
03090202	TAMIAMI CANAL NR. CORAL GABLES, FLA	254543	0801948	012	025	SW		014	1967		E			E	USGS	D
03090202	SNAPPER CREEK C AT S-22, NR, SOUTH MIAMI, FL	254011	0801703	012	025	SW			1967		E			E	USGS	D
03090202	BLACK CREEK CANAL AT S-21,NR GOULDS,FLA.	253234	0801952	012	025	SW			1968		E			E	USGS	D
03090202	MILITARY CANAL NEAR HOMESTEAD, FLA.	252920	0802055	012	025	SW		014	1966	1977	A				USGS	D
03090202	MOWRY CANAL AT S-20A	252813	0802051	012	025	SW			1967		E			E	USGS	D
03090202	CANAL 111 ABV S-18-C, NR. FLORIDA CITY, FLA	251914	0803131	012	025	SW			1968		A			A	USGS	D
03090202	10B TAMIAMI CA AB S12A NR MIAMI FLA	254542	0804930	012	025	SW		014	1972		Q				USGS	
03090202	L-67A 0.5 MI. N OF TAMIAMI CA NR MIAMI, FLA	254620	0803950	012	025	SW		014	1972		Q				USGS	
03090202	10B L-28 EAST CA NR PINECREST FLA	255600	0804845	012	025	SW		014	1972		Q				USGS	
03090202	SNAKECREEKCANAL NEAR HIALEAH FLA	255741	0801545	012	025	SW		014	1970		Q				USGS	
03090202	DAVIE ROAD CANAL AT PEMBROKE PINES FLA	260031	0801453	012	011	SW		014	1970			E			USGS	D
03090202	10B DANIA CUTOFF CA W OF FECRR BR AT DANIA	260333	0800843	012	011	SW		014	1969		Q				USGS	
03090202	N NEW RIV CA AT SW 31 AVE FT LAUDERDALE	260514	0801108	012	011	SW		014	1969	1978		E			USGS	D
03090202	NEW RIVER AT SW 4TH & 7TH AVE FT LAUDERDALE	260702	0800858	012	011	SW		014	1969			E			USGS	D
03090202	10B N FORK NEW R BRWD BLVD AT FT LAUDERDAL	260717	0800947	012	011	SW		014	1969			E			USGS	D
03090202	10B N FORK NEW RIVER AT FT LAUDERDALE FLA	260743	0801031	012	011	SW		014	1969			E			USGS	D
03090202	10B PLAT CA AT HWY 441 IN PLANTATION	260807	0801214	012	011	SW		014	1972	1974			Q		USGS	
03090202	10B PLAT CA AT SUNRISE BLVD NR LAUD HILL	260807	0801328	012	011	SW		014	1972	1975			Q		USGS	
03090202	PLANTATION CA @ NW 65TH AVE PLANTATION, FLA	260807	0801402	012	011	SW			1969			E			USGS	D
03090202	PLANTATION CA AT NW 65TH AVE AT PLANTATION F	260807	0801412	012	011	CN		014	1970		Q				USGS	
03090202	PLANTATION CA AT NW 47 AVE BRIDGE PLANTATION	260808	0801328	012	011	CN		014	1971				Q		USGS	

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03090202	10B MIAMI CA AT ALLIGATOR ALLEY	260850	0803810	012	021	SW		014	1972		Q				USGS	
03090202	MIDDLE RIVER CANAL NR LAUDERHILL FLA	260919	0801723	012	011	SW		014	1970		Q				USGS	
03090202	0B L-28 INTERCEPTOR BL SR84 AT ANDYTOWN F	260945	0805330	012	011	SW		014	1972	1979	Q				USGS	
03090202	10B MIDDLE RIVER CANAL AT LAUDERHILL FLA	261030	0801314	012	011	SW		014	1970			E			USGS	D
03090202	10B CA-13 FEEDER CA AT 10TH AVE FT LAUDERD	261034	0800935	012	011	SW		014	1966			E			USGS	D
03090202	10B L-28 BORROW CA AB S-140 NR ANDYTOWN FL	261240	0804940	012	011	SW		014	1970	1972	Q				USGS	
03090202	PONPANO CA BL CITY DAPOMPANO FL	261348	0800716	012	011	CN		013	1969		Q				USGS	
03090202	10B POMPANO CA AT SR 7 AT MARGATE FLA	261349	0801217	012	011	SW		014	1969			E			USGS	D
03090202	HILLSBORO CANAL AT US 441 AT DEERFIELD	261938	0801249	012	011	SW		014	1970	1972	Q				USGS	
03090202	L-3 CANAL 7 MI WEST OF S-8 NR ANDYTOWN	261945	0805300	012	011	SW		014	1972	1975	Q				USGS	
03090202	10B NORTH NEW RIVER CANAL AB S7 NR ANDYTOW	262000	0803205	012	021	SW		014	1970	1979	Q				USGS	
03090202	10B HILLSBORO CA AB SIO NR ANDYTOWN FLA	262400	0802300	012	021	SW		014	1972	1979	Q				USGS	
03090202	W PALM BEACH CANAL E OF S-5A(E) NR LOXAHATCH	264100	0802100	012	099	SW		014	1972	1979	Q				USGS	
03090202	C-24 AT SR 709 NR FT PIERCE FLA	271911	0802713	012	111	SW			1975		A				USGS	D
03090202	N FK ST LUCIE R NR PRIMA VISTA BLVD NR FT PI	271927	0802001	012	111	SW			1975		A				USGS	D
03090202	35S39E33 SL41 JCT 10MI CR-TRIB 6MI SW FT PIE	272321	0802626	012	111	SW			1975		A				USGS	D
03090204	HILLSBORO C CONT STRUC W DEERFIE	262030	0800830	012	099	SW			1973				A		FL051	C
03090204	TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONRO	255105	0805850	012	011	SW			1977		A			E	USGS	D
03090204	BARRON RIVER NR EVERGLADES, FLA.	255800	0812100	012	021	SW			1977		E	E	E		USGS	
03090204	10B GORDON RIVER CANAL AT NAPLES FLA	261147	0814704	012	021	SW		014	1970		Q				USGS	
03090204	10B GOLDEN GATE TRIB CA NR NAPLES FLA	261335	0813524	012	021	SW		014	1970		Q				USGS	
03090205	CALOOS R SR 78B BR	264248	0813638	012	071	SW			1971				A		FL051	C
03090205	CALOOSAHATCHEE R MOORE HAVEN LOC	265023	0810518	012	043	SW			1972				A		FL051	D
03090205	CALOOSAHATCHEE CANAL AT ORTONA LOCK NR LA BE	264722	0811811	012	043	SW		014	1974		H			E	USGS	D
03090205	CALOOSAHATCHEE RIVER AT ALVA FLA	264248	0813638	012	071	SW		014	1945		A				USGS	D
03090205	CALOOSAHATCHEE RIVER AT S-79, NR. OLGA, FLA	264325	0814155	012	071	SW			1972		E			E	USGS	D
03100101	PEACE RIVER BR FLA HWY #70	271319	0815235	012	027	ES			1951				A		FL051	D
03100101	PEACE RIVER BR FLA HWY #664	273840	0814742	012	049	SW			1951				A		FL051	C
03100101	HOR CK SR 72 BR	271158	0815918	012	027	SW			1970				A		FL051	C
03100101	SHELL CR 6 MI E OF SR 764	265756	0815117	012	015	SW			1971				A		FL051	C
03100101	PEACE RIVER AT ARCADIA, FLA.	271319	0815234	012	027	SW	1367.00		1961		M			R	USGS	D
03100102	MYAKKA RIVER NR SARASOTA, FLA.	271425	0821850	012	115	SW	229.00		1958		H				USGS	D
03100102	MYAKKA RIVER NR SARASOTA, FLA.	271425	0821850	012	115	SW			1962		E	E	E		USGS	
03100204	SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA.	274747	0820704	012	057	SW	107.00		1965		A			A	USGS	D

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03100204	ALAFIA RIVER AT LITHIA, FLA.	275219	0821241	012	057	SW	335.00		1956		H				USGS	D
03100205	HILLSBORO R OLD CRYSTAL SPRING R	281117	0821104	012	057	SW			1973				A		FL051	D
03100205	HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.	280859	0821357	012	057	SW	220.00		1958		Q			Q	USGS	D
03100205	HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.	280859	0821357	012	057	SW			1975		Q			Q	USGS	D
03100205	FLINT CREEK NR THONOTOSASSA, FLA.	280404	0821604	012	057	SW	60.00		1956		E				USGS	D
03100206	HILLSBORO BAY 3/4 MI E MACDILL AFB	275121	0822736	012	057	ES			1971				A		FL051	D
03100206	OLD TAMPA BAY CRT OF HWD FRNKLN BR	275442	0823606	012	057	ES			1972				A		FL051	D
03100206	BISHOPS HARBOR ENTRANCE	273643	0823433	012	081	ES			1977	1978	A				USGS	D
03100206	COCKROACH BAY ENTRANCE	274111	0823150	012	057	ES			1977	1977	A				USGS	D
03100207	BEAR CREEK AT 58TH ST N AT ST PETERSBURG, FL	274624	0824245	012	103	SW			1973	1973	A				USGS	D
03100207	10J JOES CREEK @ 54TH AVE N AT ST PETE FLA	274914	0824431	012	103	SW			1973	1973	A				USGS	D
03100207	10J JOES C AT SCB POL PLANT AT ST PETE FLA	274932	0824437	012	103	SW			1973	1974	A				USGS	D
03100208	WITHLACOOCHEE R, DOWN INGLIS RES	290116	0823826	012	017	SW			1973				A		FL051	C
03100208	WITHLACOOCHEE R HWY 575 BR	283312	0820944	012	101	SW			1964				A		FL051	C
03100208	WITHLACOOCHEE RIVER NR EVA, FLA.	282138	0814908	012	105	SW	130.00		1958		R				USGS	D
03100208	WITHLACOOCHEE RIVER NR HOLDER, FLA.	285919	0822059	012	083	SW	1825.00		1950		H			H	USGS	D
03100208	WITHLACOOCHEE RIVER NR HOLDER, FLA.	285919	0822059	012	017	SW			1976		M			M	USGS	D
03100208	BLUE RUN AT DUNNELLON, FLA.	290257	0822653	012	083	SW		014	1968		E			E	USGS	D
03100208	WITHLACOOCHEE R AT INGLIS DAM NR DUNNELLON,	290035	0823701	012	075	SW	2020.00		1963	1979	E			E	USGS	D
03100208	WITHLACOOCHEE R BL INGLIS DAM NR DUNNELLON,	290035	0823701	012	075	SW	2020.00		1963		E			E	USGS	D
03100208	BARGE CANAL ABOVE INGLIS LOCK NR INGLIS, FLA	290131	0823642	012	075	SW		124	1969		E				USGS	D
03100208	BARGE CANAL AT INGLIS LOCK NR INGLIS, FLA.	290130	0823700	012	075	SW		124	1969		E				USGS	D
03100208	WITHLACOOCHEE R BYPASS CH BEL STR NR INGLIS,	290115	0823820	012	075	SW			1969		E			E	USGS	D
03110102	STEINHATCHEE RIVER NEAR CROSS CITY, FLA.	294711	0831918	012	123	SW	350.00		1966		R			R	USGS	D
03110103	AUCILLA R AT US 19-27	302202	0834809	012	065	SW			1971				A		FL051	D
03110103	AUCILLA RIVER NR SCANLON, FLA.	301352	0835508	012	123	SW	805.00		1956		R			K	USGS	D
03110201	SUWANNEE RIVER @ US 41 & SR 136	301940	0824534	012	047	SW			1972				A		FL051	D
03110201	SUWANNEE RIVER AT FARGO, GA.	304050	0823338	013	065	SW	1260.00		1937		E			E	USGS	D
03110201	ROCKY CREEK NR BELMONT,FLA.	303240	0824402	012	047	SW	50.00		1970		K			K	USGS	D
03110201	HUNTER CREEK NEAR BELMONT FLA	302920	0824140	012	047	SW		004	1967		A			A	USGS	D
03110201	SUWANNEE RIVER AT WHITE SPRINGS, FLA.	301932	0824418	012	023	SW	2430.00		1956		E			E	USGS	D
03110201	SWIFT CREEK AT FACIL FLA	302214	0824800	012	047	SW	65.30		1967		K			K	USGS	D
03110201	OCCIDENTAL SAMPLING SITE #6	302430	0824725	012	047	SW			1976	1976	A			A	USGS	D
03110201	OCCIDENTAL SAMPLING SITE #4	302505	0824724	012	047	SW			1976	1976	A			A	USGS	D

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03110201	OCCIDENTAL SAMPLING SITE #7	302512	0824709	012	047	SW			1976	1976	A			A	USGS	D
03110201	OCCIDENTAL SAMPLING SITE #5	302548	0824803	012	047	SW			1976	1976	A			A	USGS	D
03110201	OCCIDENTAL #27 SPILLWAY	302743	0824630	012	047	SW			1976	1976	A				USGS	D
03110201	OCCIDENTAL SPILLWAY #22	302744	0824412	012	047	SW			1976	1976	A				USGS	D
03110201	HUNTER CREEK MINE	302843	0824403	012	047	SW			1976	1976	A			A	USGS	D
03110202	ALAPAHA RIVER NEAR ALAPAHA, GA.	312303	0831133	013	019	SW	663.00		1937		E			E	USGS	D
03110202	ALAPAHA RIVER AT STATENVILLE, GA.	304214	0830200	013	101	SW	1400.00	004	1954	1975	2			2	USGS	D
03110204	LITTLE RIVER NEAR LENOX, GA.	311515	0833032	013	075	SW	208.00	004	1976	1978	K	K		K	USGS	D
03110205	SUWANNEE R @ US 19/98	293112	0825724	012	029	SW			1973				A		FL051	D
03110205	SUWANNEE RIVER AT BRANFORD, FLA.	295720	0825540	012	121	SW	7880.00		1954		H			R	USGS	D
03110206	SANTA FE RIVER AT WORTHINGTON SPRINGS, FLA.	295518	0822535	012	001	SW	575.00		1957		K			K	USGS	D
03120001	ST. MARKS RIVER NEAR NEWPORT, FLA.	301600	0840900	012	129	SW	535.00		1966		R			R	USGS	D
03120001	ST. MARKS RIVER NEAR NEWPORT, FLA.	301600	0840900	012	129	SW			1966	1974	E	E	E		USGS	
03120003	SOPCHOPPY RIVER NR SOPCHOPPY, FLA.	300745	0842940	012	129	SW	102.00		1963		H			H	USGS	D
03120003	OCHLOCKONEE RIVER NR HAVANA, FLA.	303314	0842303	012	073	SW	1140.00		1963		Q			Q	USGS	D
03120004	JIM WOODRUF D WATER INTUSPHS STA	304232	0845142	012	063	SW			1964				A		FL051	D
03130001	CHATTAHOOCHEE RIVER NEAR LEAF, GA.	343437	0833809	013	137	SW	150.00	004	1941	1977	A	R		E	USGS	D
03130001	SOQUE RIVER AT ST RT 17 AT CLARKSVILLE, GA.	343649	0833204	013	137	SW			1958	1958	R	R		E	USGS	D
03130001	CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.	343227	0833714	013	137	SW	315.00	004	1968		H	A		H	USGS	D
03130001	CHESTATEE RIVER AT ST RT 52 NEAR DAHLONEGA,	343141	0835623	013	187	SW	153.00		1941		N	N		A	USGS	D
03130001	CHATTAHOOCHEE RIVER AT ST RT 120 NR DULUTH,	340144	0841005	013	135	SW			1958	1958	A	A			USGS	D
03130001	BIG CREEK NEAR ALPHARETTA, GA.	340302	0841610	013	121	SW	72.00		1968		K	K			USGS	D
03130001	CHATTAHOOCHEE RIVER AT ATLANTA, GA.	335133	0842716	013	121	SW	1450.00	014	1937		Q	Q		Q	USGS	D
03130001	CHATTAHOOCHEE R TRB (COBB CO WPC) ATLANTA, G	334940	0842727	013	067	SW			1976	1977	A	A			USGS	D
03130001	N FK P'TREE C TRB (MEADOWCLF D) NR CHAMBLEE,	335053	0841757	013	089	SW	.32	003	1973	1977	R	R		R	USGS	D
03130001	N.F. P'TREE CR AT BUFORD HWY NR ATLANTA, GA.	334955	0842015	013	097	SW	36.00	003	1976	1977	S	S		S	USGS	D
03130001	CLEAR CREEK AT PIEDMONT PARK AT ATLANTA, GA.	334707	0842216	013	121	SW			1976	1976	R	R		A	USGS	D
03130001	TANYARD BRANCH AT 26TH ST EXT AT ATLANTA, GA	334811	0842404	013	121	SW	3.10		1976	1977	A	A		A	USGS	D
03130001	PEACHTREE CREEK AT ATLANTA, GA.	334910	0842428	013	121	SW	86.80	003	1969		K	K		K	USGS	D
03130001	WOODALL CR AT DEFOORS FERRY ROAD AT ATLANTA,	334918	0842620	013	121	SW	2.60		1976	1977	A	A		A	USGS	D
03130001	NANCY CR TR (W NANCY CR DR) NR CHAMBLEE, GA.	335414	0842015	013	089	SW			1976	1976	R	R		A	USGS	D
03130001	NANCY CREEK AT RANDALL MILL ROAD AT ATLANTA,	335135	0842528	013	121	SW	34.79	003	1976	1977	R	R		A	USGS	D
03130002	CHATT R FRANKLIN GA	331645	0850600	013	149	SW			1963	1972	M				USCE	
03130002	CHATT R WEST POINT HWY 29 GA	325235	0851050	013	285	SW			1956		O				USCE	

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03130002	PROCTOR C TRB (HOLLYWOOD RD WPC) AT ATLANTA,	334744	0842814	013	121	SW			1976	1977	A	A			USGS	D
03130002	PROCTOR CREEK AT ST RT 280 AT ATLANTA, GA.	334739	0842829	013	121	SW	15.50		1976	1977	A	A		A	USGS	D
03130002	NICKAJACK CR (USAF PLANT 6 OUTFALL) SMYRNA,	335345	0843301	013	067	SW			1976	1977	A	A			USGS	D
03130002	NICKAJACK CR AT COOPER LAKE DR NR MABLETON,	335028	0843158	013	067	SW	17.00		1976	1977	A	A		A	USGS	D
03130002	CHATTAHOOCHEE R TRB NO.4 (S COBB WPC) ATL, G	334627	0843218	013	067	SW			1976	1977	A	A			USGS	D
03130002	CHATTAHOOCHEE R TRB NO.6 (UTOY WPC) NR ATL,	334427	0843317	013	121	SW			1976	1977	A	A			USGS	D
03130002	NORTH FORK UTOY CR AT BEECHER RD AT ATLANTA,	334401	0842720	013	121	SW			1977	1977	A	A		A	USGS	D
03130002	UTOY CREEK AT ST RT 70 NEAR ATLANTA, GA.	334435	0843346	013	121	SW			1976	1976	A	A			USGS	D
03130002	SWEETWATER CREEK NEAR AUSTELL, GA.	334622	0843653	013	097	SW	246.00	004	1937		H	A		H	USGS	D
03130002	CHATTAHOOCHEE R TRB NO.5 (CMP C WPC) NR ATL,	334036	0843807	013	121	SW			1976	1977	A	A			USGS	D
03130002	CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.	333924	0844025	013	121	SW	2060.00	014	1968		R	R		R	USGS	D
03130002	SNAKE CREEK NEAR WHITESBURG, GA.	333146	0845542	013	045	SW	37.00		1970		K	K		K	USGS	D
03130002	CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.	332837	0845404	013	045	SW	2430.00	014	1941		R	R		R	USGS	D
03130002	CHATTAHOOCHEE RIVER (LANETT INT) AT LANETT,	325148	0851104	001	017	SW		124	1978				U		USGS	D
03130002	CHATT R AB LONG CANE CR JCT NR WEST POINT, G	325102	0850922	013	145	SW		014	1978	1979			U		USGS	D
03130003	UPATOI CREEK NEAR COLUMBUS, GA.	322448	0844912	013	053	SW	342.00		1965		H			H	USGS	D
03130004	CHATT R FT GAINES GA	313600	0850300	013	061	SW			1951		O				USCE	
03130005	FLINT RIVER NEAR GRIFFIN, GA.	331439	0842545	013	255	SW	272.00		1937	1975	S			S	USGS	D
03130005	LINE CREEK NEAR SENOIA, GA.	331910	0843125	013	077	SW	101.00		1970	1975	Q			Q	USGS	D
03130005	FLINT RIVER NEAR COLLODEN GA	324317	0841357	013	293	SW	1850.00	004	1937	1979	2			2	USGS	D
03130006	FLINT R AT MONTEZUMA GA	321800	0840300	013	193	SW			1967	1968	Y				USCE	
03130006	FLINT RIVER AT MONTEZUMA, GA.	321753	0840238	013	193	SW	2900.00	004	1938		E			E	USGS	D
03130007	KINCHAFOONEE CREEK AT PRESTON, GA.	320313	0843253	013	307	SW	197.00		1969		E			E	USGS	D
03130008	FLINT RIVER AT ALBANY, GA.	313539	0840839	013	095	SW	5310.00	014	1906		2			2	USGS	D
03130009	PACHITLA CREEK NEAR EDISON, GA.	313317	0844043	013	007	SW	188.00	004	1971	1975	A			A	USGS	D
03130009	ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.	312258	0843252	013	007	SW	620.00		1941		E			E	USGS	D
03130010	SPRING CREEK NEAR IRON CITY, GA.	310223	0844418	013	087	SW	485.00	004	1938	1978	K	K		K	USGS	D
03130011	APALACHICOLA R BUOY 40 MILE 11A	294935	0850200	012	045	SW			1973				A		FL051	D
03130011	APALACHICOLA RIVER AT CHATTAHOOCHEE FLA	304203	0845133	012	063	SW	17200.00		1961		R			R	USGS	D
03130012	CHIPOLA R HWY 274 SW OF ALTHA	303200	0850951	012	013	SW			1974				A		FL051	D
03130012	CHIPOLA RIVER NR ALTHA, FLA.	303202	0850955	012	013	SW	781.00	004	1959		M			M	USGS	D
03130014	APALA BAY SEC C	294100	0850200	012	045	ES			1971				A		FL051	D
03140101	ST JOE BAY 3 MI S OF CITY RAMP	294630	0851841	012	045	ES			1975				A		FL051	C
03140101	ECONFINA CREEK NEAR BENNETT, FLA.	302304	0853324	012	005	SW	122.00		1961		K			K	USGS	D

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03140103	YELLOW RIVER AT MILLIGAN, FLA.	304510	0863745	012	091	SW	624.00		1959		A			A	USGS	D
03140104	BLACKWATER RI AT HWY 4 NW BAKER	305002	0864400	012	091	SW			1969				A		FL051	D
03140104	BIG COLDWATER CREEK NR MILTON, FLA.	304230	0865820	012	113	SW	237.00		1958	1975	A			A	USGS	D
03140105	ESCAMBIA BAY SEC C BACKGR STA	302200	0870830	012	033	ES			1970				A		FL051	D
03140105	E BAY SEC C BACKGR STA BUOY N6	302800	0870200	012	113	ES			1970				A		FL051	D
03140106	PERDIDO R HWY 184 BR MUSGOGEE	303610	0872409	012	033	ES			1968				A		FL051	D
03140106	PERDIDO RIVER AT BARRINEAU PARK, FLA.	304125	0872625	012	033	SW	394.00		1958		Q			Q	USGS	D
03140107	PERDIDO BAY SEC C BACKGROUND STA	302530	0872200	012	033	ES			1970				A		FL051	D
03140203	CHOCTAWHATCHEE A PINEY PT FLASH LI	302530	0860000	012	091	ES			1973				A		FL051	D
03140203	CHOCTAWHATCHEE RIVER NR BRUCE, FLA.	302703	0855354	012	131	SW	4384.00		1966		A			A	USGS	D
03140305	ESCAMBIA RIVER HWY 4 BRIDGE	305754	0871403	012	033	SW			1955				A		FL051	D
03140305	ESCAMBIA RI AT HWY 90 BR	303251	0871142	012	033	SW			1968	1968			A		FL051	D
03140305	ESCAMBIA RIVER NEAR CENTURY, FLA.	305725	0871400	012	113	SW	3817.00		1952		Q			Q	USGS	D
03150101	STOVER CR 2 CONTROL	344110	0850155	013	313	SW			1973		A				USFS	D
03150101	HOLLY CREEK NEAR CHATSWORTH, GA.	344300	0844612	013	213	SW	64.90	004	1960		H			H	USGS	D
03150101	CONASAUGA RIVER AT TILTON, GA.	344000	0845542	013	313	SW	682.00	004	1941		2			2	USGS	D
03150102	COOSAWATTEE R CARTERS GA	343615	0844125	013	213	SW			1963		M				USCE	
03150102	COOSAWATTEE RIVER NEAR ELLIJAY, GA.	344018	0843031	013	123	SW	238.00	004	1941		H			H	USGS	D
03150102	COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.	343435	0845137	013	129	SW	856.00	014	1941		2			2	USGS	D
03150103	WEST ARMUCHEE CREEK NEAR SUBLIGNA, GA.	343404	0850916	013	055	SW	34.50		1960		H			H	USGS	D
03150104	ETOWAH R BL ALLATOONA DAM GA	340950	0844430	013	015	SW			1961		M				USCE	
03150104	ETOWAH R KINGSTON GA	341300	0845900	013	015	SW			1961		M				USCE	
03150104	ETOWAH R CARTERSVILLE HWY 41 GA	340913	0844610	013	015	SW			1961		M				USCE	
03150104	ETOWAH R CARTERSVILLE HWY 61 GA	340800	0845000	013	015	SW			1961	1974	M				USCE	
03150104	ETOWAH RIVER AT CANTON, GA.	341423	0842947	013	057	SW	605.00	004	1937		2			2	USGS	D
03150201	ALABAMA R MONTGOMERY AL	322442	0862432	001	101	SW			1961	1971	B				USCE	
03150201	ALABAMA RIVER NEAR MONTGOMERY AL	322441	0862430	001	101	SW	15100.00	014	1962		M	6		6	USGS	D
03150201	MULBERRY CREEK AT JONES AL	323458	0865413	001	047	SW	208.00	004	1962		M				USGS	C
03150203	ALA R NR MILLERS FERRY	320700	0872400	001	131	SW			1961		B				USCE	
03150204	ALA R AT CLAIBORNE	313248	0873045	001	099	SW			1951		O				USCE	
03150204	ALABAMA RIVER AT CLAIBORNE AL	313248	0873045	001	099	SW	22000.00	014	1962		M	9		5	USGS	P
03160101	TOMBIGBEE R NR MARIETTA MS	342600	0882500	028	057	SW			1971		B				USCE	
03160101	TOMBIGBEE R NR FULTON MS	341555	0882642	028	057	SW			1971		O				USCE	
03160101	TOMBIGBEE R AT BEANS FERRY MS	341220	0882350	028	057	SW			1972		B				USCE	

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03160101	BULL MOUNTAIN C NR SMITHVILLE MS	340518	0882326	028	057	SW			1971		B				USCE	
03160101	TOMBIGBEE R AT BARRS FERRY MS	340540	0882550	028	057	SW			1973		B				USCE	
03160101	TOMBIGBEE R AT BIGBEE MS	340040	0883050	028	095	SW			1972		B				USCE	
03160101	TOMBIGBEE R AT ABERDEEN MS	334914	0883107	028	095	SW			1971		O				USCE	
03160101	TOMBIGBEE R AT COLUMBUS MS	332921	0882557	028	087	SW			1967	1968	O				USCE	
03160101	TOMBIGBEE R AT IRONWOOD BLUFF MS	340735	0882353	028	057	SW			1973		B				USCE	
03160101	TOMBIGBEE R AB COLUMBUS MS	333300	0882900	028	087	SW			1973		B				USCE	
03160101	BURGESS CREEK NR PADEN, MS.	344142	0881732	028	141	SW			1975		E			E	USGS	D
03160101	BLACK BRANCH AT PADEN, MS.	343953	0881600	028	141	SW			1975		E			E	USGS	D
03160101	MACKEYS CREEK NR DENNIS, MS.	343134	0881922	028	141	SW	66.80	004	1971		W			W	USGS	D
03160101	TOMBIGBEE RIVER NR FULTON, MS.	341553	0882642	028	057	SW	612.00	004	1971		E			E	USGS	D
03160101	TOMBIGBEE RIVER NR AMORY, MS.	335907	0883303	028	095	SW	1924.00	004	1974		E			E	USGS	D
03160101	TOMBIGBEE RIVER NR COLUMBUS, MS.	332940	0882740	028	087	SW	4451.00		1974		E			E	USGS	D
03160102	TOWN C NR NETTLETON MS	340332	0883740	028	095	SW			1973		B				USCE	
03160102	TOMBIGBEE R NR AMORY MS	335910	0883305	028	095	SW			1967		O				USCE	
03160102	TOWN CREEK AT EASON BOULEVARD AT TUPELO, MIS	341408	0884143	028	081	SW	230.00	004	1973	1975	R			R	USGS	D
03160103	BUTTAHATCHEE RV NR SULLIGENT AL	335508	0880747	001	075	SW			1976		M				USCE	
03160103	BUTTAHATCHEE RV NR GATTMAN MS	335339	0881354	028	095	SW			1976		M				USCE	
03160103	BUTTAHATCHEE RV NR GREENWOOD MS	335258	0881717	028	095	SW			1976		M				USCE	
03160103	BUTTAHATCHEE RV AT COLUMBUS AFB MS	333948	0882724	028	095	SW			1976		M				USCE	
03160103	BUTTAHATCHEE R AT HAMILTON MS	334024	0882545	028	095	SW			1971		B				USCE	
03160103	BUTTAHATCHEE RIVER NEAR ABERDEEN, MISS.	334724	0881855	028	095	SW	787.00	004	1974	1975	R			R	USGS	D
03160104	CHUQUATONCHEE CR NR OKALONA MS	340005	0885300	028	017	SW			1977		M				USCE	
03160104	CHUQUATONCHEE CR E BUENA VISTA MS	335310	0884735	028	017	SW			1977		M				USCE	
03160104	CHUQUATONCHEE CR NR EGYPT MS	335030	0884630	028	017	SW			1977		M				USCE	
03160104	CHUQUATONCHEE CR NR PRAIRIE MS	334747	0884355	028	025	SW			1977		M				USCE	
03160104	HOULKA CR W TREBLOC MS	335030	0885555	028	025	SW			1977		M				USCE	
03160104	HOULKA CR NR MCCONDY MS	334705	0885115	028	025	SW			1977		M				USCE	
03160104	HOULKA CR N ABBOTT MS	334030	0884555	028	025	SW			1977		M				USCE	
03160104	CHUQUATONCHEE CR NR WEST POINT MS	333625	0884230	028	025	SW			1977		M				USCE	
03160104	LINE CR NR CEDAR BLUFF MS	333526	0884905	028	025	SW			1977		M				USCE	
03160104	CATALPA CR NR MAYHEW MS	332850	0883745	028	087	SW			1977		M				USCE	
03160105	LUXAPALLILA C AT STEENS MS	333355	0881855	028	087	SW			1973		O				USCE	
03160105	LUXAPALLILA CR NR COLUMBUS WW MS	333050	0882342	028	087	SW			1976		M				USCE	

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03160105	LUXAPALLILA CREEK AT STEENS, MISS.	333335	0881855	028	087	SW	309.00	004	1964	1975	R			R	USGS	D
03160106	TOMBIGBEE R NR COCHRANE AL	330445	0881418	001	107	SW			1972		B				USCE	
03160106	TOMBIGBEE R AT GAINESVILLE AL	324900	0880900	001	119	SW			1971	1975	O				USCE	
03160106	TOMBIGBEE RIVER BL COLUMBUS, MISS	332034	0882355	028	087	SW			1973	1975	E			E	USGS	D
03160106	TOMBIGBEE R AT GAINESVILLE L&D NR GAINESVILL	325108	0880916	001	063	SW	7230.00		1978	1980		A			USGS	D
03160106	TOMBIGBEE R BL GAINESVILLE L&D NR GAINESVILL	325108	0880915	001	063	SW	7230.00		1978	1980		A			USGS	D
03160106	TOMBIGBEE RIVER AT GAINESVILLE AL	324930	0880924	001	119	SW	8700.00	004	1961		M	E		E	USGS	P
03160107	SIPSEY R NR PLEASANT RIDGE	330212	0880651	001	063	SW	753.00		1973		B				USCE	
03160107	NEW RIVER NEAR WINFIELD AL	335547	0874047	001	093	SW	55.60		1963		A			A	USGS	D
03160107	ELLIS CREEK NEAR BERRY AL	334125	0873727	001	057	SW			1978	1979	A			A	USGS	D
03160108	NOXUBEE R NR GEIGER AL	325506	0881745	001	119	SW			1973		B				USCE	
03160108	NOXLBEE R AT GAINESVILLE AL	324936	0881057	001	119	SW			1973		B				USCE	
03160108	NOXUBEE RIVER AT MACON, MISS.	330608	0883340	028	103	SW	812.00	004	1966	1975	R			R	USGS	D
03160108	NOXUBEE RIVER NEAR GEIGER AL	325506	0881745	001	119	SW	1140.00	004	1963		E			E	USGS	D
03160109	MARRIOTT CREEK NEAR GARDEN CITY AL	335653	0865137	001	043	SW	24.00		1967		A			A	USGS	D
03160109	DORSEY CREEK NEAR ARKADELPHIA AL	335710	0870014	001	043	SW	13.00		1962	1979	A			A	USGS	D
03160109	DORSEY CREEK BELOW ARKADELPHIA AL	335340	0865839	001	043	SW	26.00		1978		R			A	USGS	D
03160109	TRIBUTARY TO SPRING CREEK NEAR MANCHESTER AL	335635	0871837	001	127	SW			1965	1979	A			A	USGS	D
03160109	BLACKWATER CREEK NEAR MANCHESTER AL	335430	0871525	001	127	SW	188.00	014	1962		A			A	USGS	D
03160109	BLACKWATER CREEK NEAR JASPER AL	335305	0870941	001	127	SW	213.00		1967		A			A	USGS	D
03160109	TRINITY CREEK NEAR CARBON HILL AL	335405	0873314	001	127	SW			1978		A				USGS	D
03160109	CHEATHAM CREEK NEAR CARBON HILL AL	335329	0872659	001	127	SW	4.70	004	1967		A			A	USGS	D
03160109	LOST CREEK NEAR JASPER AL	334856	0872302	001	127	SW	115.00	004	1963		A			A	USGS	D
03160109	LOST CREEK NEAR OAKMAN AL	334550	0872130	001	127	SW	134.00	004	1962		A			A	USGS	D
03160109	BLACK BRANCH NEAR OAKMAN AL	334417	0872455	001	127	SW	3.30		1975		A			A	USGS	D
03160109	WOLF CREEK NEAR OAKMAN AL	334020	0872315	001	127	SW	85.00	004	1962		A			A	USGS	D
03160110	SIPSEY FORK NEAR GRAYSON AL	341707	0872356	001	133	SW	90.10	004	1965		M			6	USGS	D
03160111	TURKEY CREEK AT MORRIS AL	334425	0864845	001	073	SW	80.90	004	1962		E			E	USGS	D
03160111	TRIB TO TURKEY CREEK DOWNSTREAM FROM MORRIS	334521	0864936	001	073	SW	.50		1975	1977	A			A	USGS	D
03160111	TURKEY CREEK UPSTEAM FROM KIMBERLY AL	334532	0864937	001	073	SW	84.00		1975	1977	W			A	USGS	D
03160111	TRIBUTARY TO TURKEY CREEK NEAR KIMBERLY AL	334534	0864956	001	073	SW	.35		1975	1977	A			A	USGS	D
03160111	CROOKED CREEK NEAR MT OLIVE AL	334341	0865159	001	073	SW	11.60		1975	1977	A	A		A	USGS	D
03160111	TRIBUTARY TO CROOKED CREEK NEAR MT OLIVE AL	334343	0865154	001	073	SW	2.41		1975	1977	A			A	USGS	D
03160111	CROOKED CREEK DOWNSTREAM FROM MT. OLIVE, AL	334345	0865200	001	073	SW			1975	1977	A			E	USGS	D

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03160111	CROOKED CREEK NEAR MORRIS AL	334410	0865200	001	073	SW	16.20		1975		E			R	USGS	D
03160111	FIVEMILE CREEK AT CARDIFF AL	333837	0865600	001	073	SW			1967		R			R	USGS	D
03160112	ROCK CREEK NEAR HOPKINS AL	332901	0870614	001	073	SW			1967		A			A	USGS	D
03160112	MUD CREEK NEAR OAK GROVE AL	332738	0871152	001	073	SW			1967		A			A	USGS	D
03160112	UNNAMED TRIB TO WALKER COUNTY SHOAL CREEK AL	333421	0871749	001	127	SW			1978		A			A	USGS	D
03160112	TRIB TO UNNAMED TRIB TO WALKER CO SHOAL CREE	333424	0871752	001	127	SW			1978		A			A	USGS	D
03160112	LITTLE YELLOW CREEK NEAR WHITSON AL	333401	0872437	001	125	SW	15.00		1976		A			A	USGS	D
03160112	BLUE CREEK NEAR OAKMAN AL	333117	0872907	001	125	SW	5.32	004	1961		R			R	USGS	D
03160112	BLUE CREEK NEAR WINDHAM SPRINGS AL	332902	0872818	001	125	SW			1976		A			A	USGS	D
03160112	BLUE CREEK NEAR SPENCER HILL AL	332701	0872451	001	125	SW	37.40		1975		A			A	USGS	D
03160112	HANNAH MILL CREEK NEAR BURCHFIELD AL	331932	0871523	001	125	SW			1978		A			A	USGS	D
03160112	CANE CREEK NEAR BURCHFIELD AL	332117	0871737	001	125	SW			1978	1979	A			A	USGS	D
03160112	TRIBUTARY TO ROCKY BRANCH NEAR PETERSON AL	331548	0872358	001	125	SW			1977		A			A	USGS	D
03160112	TRIBUTARY TO YELLOW CREEK NR WINDHAM SPRINGS	332507	0872721	001	025	SW			1976		A			A	USGS	D
03160112	YELLOW CREEK ABOVE NORTHPORT AL	332326	0872830	001	125	SW	3.64		1978		R			R	USGS	D
03160112	TRIBUTARY TO YELLOW CREEK NEAR NORTHPORT AL	332318	0872751	001	125	SW	2.49		1978		K			K	USGS	D
03160112	YELLOW CREEK NEAR NORTHPORT AL	332223	0872826	001	125	SW	8.23		1975		E			O	USGS	D
03160112	TRIB TO YELLOW CK AB WATERMELON RD NR TUSCAL	332138	0872739	001	125	SW			1978		Q			Q	USGS	D
03160112	CYPRESS CREEK NEAR HOLT AL	331538	0872758	001	125	SW			1977		A			A	USGS	D
03160112	HURRICANE CREEK NEAR CEDAR COVE AL	331315	0871900	001	125	SW	29.00	004	1975		A			A	USGS	D
03160112	HURRICANE CREEK NEAR HOLT AL	331345	0872655	001	125	SW	108.00	004	1957		A			A	USGS	D
03160112	UNNAMED TRIB TO CANE CREEK NEAR PEA RIDGE AL	334245	0873403	001	057	SW			1978		A			A	USGS	D
03160112	ELLIS CREEK NEAR CLEVELAND AL	334209	0873818	001	057	SW			1978		A			A	USGS	D
03160112	LITTLE TYRO CREEK NEAR SANDTOWN AL	333602	0873025	001	125	SW	.26		1976		A			A	USGS	D
03160112	TYRO CREEK NEAR NEW LEXINGTON AL	333358	0873434	001	125	SW	23.00		1967		A				USGS	D
03160112	DRY BRANCH NEAR SAMANTHA AL	333233	0873222	001	125	SW	.72		1978		R			R	USGS	D
03160112	BEAR CREEK NEAR SAMANTHA AL	333233	0873343	001	125	SW	15.05		1975		E			O	USGS	D
03160112	NORTH RIVER NEAR SAMANTHA AL	332845	0873550	001	125	SW	219.00	004	1966		E				USGS	D
03160112	JOHNSON BRANCH NEAR UTLEY AL	333032	0873224	001	125	SW	2.71		1976		A			A	USGS	D
03160112	CRIPPLE CREEK NEAR SAMANTHA AL	332934	0873346	001	125	SW			1976		A			A	USGS	D
03160112	CRIPPLE CREEK EAST OF SAMANTHA AL	332825	0873406	001	125	SW			1977		Q			Q	USGS	D
03160112	TRIBUTARY TO TURKEY CREEK NEAR TUSCALOOSA AL	332355	0872911	001	125	SW			1976		A				USGS	D
03160112	TURKEY CREEK NEAR TUSCALOOSA AL	332432	0873045	001	125	SW	6.13		1978		Q			Q	USGS	D
03160112	BARBEE CREEK NEAR NEW LEXINGTON AL	333147	0873930	001	125	SW			1977		A			A	USGS	D

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03160112	BARBEE CREEK NEAR SAMANTHA AL	333027	0873848	001	125	SW			1977		A			A	USGS	D
03160112	BLACK WARRIOR RIVER BL WARRIDR DAM NR EUTAW	324644	0875039	001	065	SW	5800.00		1978		Q	Q		N	USGS	D
03160113	BLACK WARRIOR RIVER AT WARRIOR DAM NR EUTAW	324646	0875037	001	065	SW	5800.00		1977		A	A			USGS	D
03160113	BLACK WARRIOR R BL WARRIOR L&D NR SAWYERVILL	324558	0874927	001	065	SW			1978		A	A			USGS	D
03160203	TOMBIGBEE R JACKSON AL	313114	0875454	001	025	SW			1951		O				USCE	
03160203	TOMBIGBEE R BL COFFEEVILLE L&D NR COFFEEVILL	314530	0880745	001	023	SW	18500.00	014	1969		M	5		5	USGS	P
03170001	OKATIBBEE CREEK NR MERIDIAN, MS.	322110	0884524	028	075	SW	239.00		1969	1975	M			7	USGS	D
03170001	SOWASHEE CR AT MERIDIAN, MISS	322208	0884035	028	075	SW	51.90	004	1969	1975	M			6	USGS	D
03170001	OKATIBBEE CREEK AT ARUNDEL, MS.	321755	0884515	028	075	SW	342.00	004	1970	1975	M			7	USGS	D
03170002	CHICKASAWHAY RIVER AT ENTERPRISE, MS.	321032	0884910	028	023	SW	913.00	004	1969	1975	M			5	USGS	D
03170002	CHICKASAWHAY RIVER AT WOODWARDS, MS.	314143	0884012	028	153	SW			1977		R	A			USGS	D
03170002	CHICKASAWHAY RIVER NR WAYNESBORO, MS.	314046	0884100	028	153	SW	1660.00	004	1969	1975	M			6	USGS	D
03170002	BUCKATUNNA CREEK NEAR DENHAM, MISS.	314138	0883110	028	153	SW	490.00	004	1972	1975	A			A	USGS	D
03170003	CHICKASAWHAY RIVER AT LEAKESVILLE, MS.	310854	0883252	028	041	SW	2680.00	004	1972		M			6	USGS	D
03170004	LEAF RIVER NR COLLINS, MS.	314225	0892425	028	031	SW	752.00	004	1970	1975	Q			9	USGS	D
03170004	LEAF RIVER NEAR ELLISVILLE, MISS.	313709	0891932	028	067	SW			1973	1975	A				USGS	D
03170004	LEAF RIVER AT EASTABUCHIE, MS.	312620	0891800	028	067	SW			1965		N			A	USGS	D
03170004	BOWIE CREEK NR HATTIESBURG, MS.	312532	0892453	028	035	SW	304.00	004	1969	1975	M			5	USGS	D
03170004	OKATOMA C AT SANFORD MS	312920	0892600	028	031	SW	240.00	004	1969	1975	Q			9	USGS	D
03170004	BOWIE RIVER NR GLENDALE, MS.	312344	0892156	028	035	SW			1973		N				USGS	D
03170005	LEAF RIVER NR PALMER, MS.	311540	0891335	028	035	SW		004	1969		M			7	USGS	D
03170005	TALLAHALA CREEK AT WALDRUP, MS.	315758	0890655	028	061	SW	100.00	004	1978		K			N	USGS	D
03170005	TALLAHALA CREEK NR SANDERSVILLE, MS.	314707	0890433	028	067	SW			1978		A			A	USGS	D
03170005	TALLAHALA CREEK NR RUNNELSTOWN, MS.	311957	0890646	028	111	SW	612.00	004	1969	1975	M			5	USGS	D
03170005	LEAF RIVER AT BEAUMONT, MS.	311056	0885508	028	111	SW	3120.00		1965		A				USGS	D
03170005	LEAF RIVER NR MC LAIN, MS.	310610	0884830	028	041	SW	3510.00	004	1969	1975	M			7	USGS	D
03170006	PASCAGOULA RIVER NR BENNDALE, MS.	305242	0884620	028	039	SW	6690.00	004	1958		M			7	USGS	D
03170006	PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MI	302218	0883346	028	059	SW			1972		E				USGS	D
03170006	WEST PASCAGOULA RIVER AT HWY 90 AT GAUTIER,	302258	0883632	028	059	SW			1972	1975	R				USGS	D
03170007	BLACK CREEK NR BROOKLYN, MS.	310308	0891212	028	035	SW	361.00	004	1969	1975	K			K	USGS	D
03170007	CYPRESS CREEK NR JANICE, MS.	310130	0890100	028	111	SW	52.20	004	1966		E			E	USGS	D
03170008	ESCATAWPA RIVER NEAR AGRICOLA MS	304832	0882741	028	039	SW	556.00	004	1971			R			USGS	D
03170008	ESCATAWPA RIVER AT MOSS POINT, MS.	302535	0883240	028	059	SW		004	1969		E				USGS	D
03170009	MISS SND BL ST LOUIS B,IWW MI 55	301125	0891805	028	087	SW			1973	1974	E	E		E	USCE	D

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03170009	TCHOUTALABOUFFA R NR BILOXI MISS	302917	0890210	028	047	SW			1964	1966	E				USGS	P
03170009	TUXACHANIE C NR BILOXI MISS	303035	0885440	028	047	SW	92.40	004	1964	1966	E				USGS	P
03170009	BILOXI R NR LYMAN MISS	302917	0890210	028	047	SW	251.00	004	1964	1966	E				USGS	P
03170009	BACK BAY OF BILOXI NEAR BILOXI, MISS.	302456	0885833	028	047	SW			1973		R				USGS	D
03170009	BACK BAY OF BILOXI AT OCEAN SPRINGS, MISS.	302418	0885046	028	059	SW			1973		K				USGS	D
03170009	WOLF RIVER NR LANDON, MS.	302901	0891629	028	047	SW	308.00		1964		M			M	USGS	D
03170009	ST. LOUIS BAY AT HWY 90 AT BAY ST. LOUIS, MI	301904	0891824	028	045	SW			1974		R				USGS	D
03180001	PEARL RIVER NEAR CARTHAGE, MISS.	324225	0893135	028	079	SW	1347.00	004	1968	1975	M			7	USGS	D
03180002	PEARL RIVER AT BARNETT RE NEAR JACKSON, MISS	322347	0900350	028	121	SW			1974	1975	R			R	USGS	D
03180002	PEARL R AB BYRAM MS	321030	0901200	028	049	SW	3430.00	013	1969	1975	M				USGS	D
03180002	PEARL RIVER AT BYRAM, MS.	321035	0901436	028	049	SW			1969		E			E	USGS	D
03180002	PEARL R NR GEORGETOWN MS	315230	0900825	028	029	SW	3790.00	014	1969	1975	M			7	USGS	D
03180003	PEARL RIVER NEAR MONTICELLO, MISS.	313312	0900516	028	077	SW	5040.00	004	1964	1975	M			7	USGS	D
03180004	RIGOLETS 0.5 MI W OFLIT RIGOLETS	300952	0893945	022	071	SW			1968	1974	E	E		E	USCE	D
03180004	PEARL RIVER NEAR COLUMBIA, MISS.	311416	0895050	028	091	SW	5690.00	004	1969	1975	M			7	USGS	D
03180004	PEARL RIVER NR BOGALUSA	304735	0894915	022	059	SW	6630.00		1944		R			R	USGS	D
03180004	HOBOLDCHITTD CREEK NR PICAYUNE, MS.	303223	0894425	028	109	SW		004	1970		M				USGS	D
03180005	MCGEES C AT TYLERTOWN MISS	310650	0900730	028	147	SW	130.00		1965	1966	E				USGS	P
03180005	BOGUE CHITTO NR LEHR MS	310120	0901220	028	147	SW		004	1969	1975	M			7	USGS	D
03180005	BOGUE CHITTO NEAR BUSH, LOUISIANA	303745	0895350	022	103	SW	1210.00		1952		E	E		E	USGS	D

GREAT LAKES REGION 04

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
04002200	ST JOSEPH R AT ST JOSEPH MI			026	021	SW			1978		M	M	M		USGS	P
04002200	GRAND R AT GRAND HAVEN, MI			026	139	SW			1977		M	M	M		USGS	P
04002200	AUSABLE R. CSCOCA MI			026		SW			1977		M	M	M		USGS	P
04002200	HURON R BL ROCKWOOD MI			026	127	SW			1977		M	M	M		USGS	P
04002200	ST CLAIR R AT PORT HURON MI			029	147	SW			1977		M	M	M		USGS	P
04002200	RIVER RAISIN AT MONROE MI			029	115	SW			1977		M	M	M		USGS	P
040023 K	MENOMINEE RIVER NEAR PEMBINE, WI	453525	0874635	055	109	SW			1964		A			A	USGS	D
04002300	MENOMINEE R AT MARINETTE			055	075	SW			1977		M	M	M		USGS	P
04002300	PESHTIGO R AT PESHTIGO			055	075	SW			1977		M	M	M		USGS	P
04002300	THUNDER BAY AT ALPENA MI			026	007	SW			1977		M	M	M		USGS	P
04002600	SHEBOYGAN R AT SHEBOYGAN, WI			055	117	SW			1977		M	M	M		USGS	P
04002600	MENOMONEE R AT F NR MENOW FALL WI			055	131	SW			1977		O	Q	Q		USGS	D
04002600	MENOMONEE R AT R CT AT MEN FALL WI			055	133	SW			1977		O	Q	Q		USGS	D
04002600	W DENVER STM SEW AT 91 AT MILWAUKE			055	079	DR			1977		O	Q	Q		USGS	D
04002600	MARTHA WASH DRAIN AT WAUWATOSA WI			055	079	DR			1977		O	Q	Q		USGS	D
04002700	N FISH C NR ASHLAND WI			055	007	SW			1977		O	A	A		USGS	
04002700	NORTH FISH C NR INO WI			055	007	SW			1977		O	A	A		USGS	
04002700	BOIS BRULE R NR CLOVERLAND WI			055	031	SW			1977		O	A	A		USGS	
04002700	AMNICON R WEIR WI			055	031	SW			1977		M	M	M		USGS	P
04002900	POKEGAMA R NR S SUPERIOR WI			055	031	SW			1977		O	A	A		USGS	
04002900	POKEGAMA R NR DEWEY WI			055	031	SW			1977		O	A	A		USGS	
04010101	SAWBILL L T62N,R4W 20 MI N TOFTE	475100	0905400	027	031	SW			1968	1978	E				USFS	D
04010101	POPLAR R.9MI.E TOFTE MINN	473823	0904231	027	031	SW			1975		R				USFS	D
04010101	KIMBALL CK TRIB.10 MI.NE GD.MAR.	474830	0901030	027	031	SW			1974		E				USFS	D
04010101	UNNAMED CK 10 MI.NE GRAND MARAIS	474920	0900938	027	031	SW			1974		E				USFS	D
04010101	KADUNCE CK TRIB.10 MI.NE GND.MAR	474830	0900933	027	031	SW			1974		E				USFS	D
04010101	KADUNCE CK TRIB.10 MI.NE GND.MAR	474900	0900934	027	031	SW			1974		E				USFS	D
04010101	BAPTISM RIVER NEAR BEAVER BAY, MN	472015	0911200	027	075	SW	140.00	004	1968		E	E		E	USGS	D
04010102	EAST BRANCH BEAVER RIVER <	471918	0912053	027	075	SW			1979		K				MNO12	D
04010102	EAST BRANCH BEAVER RIVER <	471840	0911933	027	075	SW			1979		K				MNO12	D
04010102	LITTLE THIRTYNINE CREEK <	471943	0912349	027	075	SW			1979		K				MNO12	D
04010102	WEST BRANCH BEAVER RIVER <	471507	0912333	027	075	SW			1979		K				MNO12	D
04010102	BEAVER RIVER <	471516	0912244	027	075	SW			1979		K				MNO12	D
04010102	BEAVER RIVER <	471556	0912041	027	075	SW			1979		K				MNO12	D

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04010102	BEAVER RIVER <	471543	0911754	027	075	SW			1979		K				MNO12	D
04010102	SPLIT ROCK RIVER <	471059	0912430	027	075	SW			1979		K				MNO12	D
04010201	ST LOUIS RIVER7MISE AURORA MINN	472830	0920715	027	137	SW			1974		R				USFS	D
04010201	ST. LOUIS RIVER AT SCANLON, MN	464212	0922507	027	137	SW	3430.00	014	1958		E	E		E	USGS	D
04010201	NEMADJI RIVER NEAR DEDHAM, WI	463441	0921054	055	031	SW			1973		R	A		R	USGS	D
04010201	NEMADJI RIVER NEAR BOYLSTON, WI	463509	0920807	055	031	SW			1978	1979	R	A		R	USGS	D
04010201	BLACK RIVER NR. BOYLSTON, WIS.	463444	0920824	055	031	SW			1973	1973	A			A	USGS	D
04010202	CLOQUET R.22MI.N.TWO HARBORS	472054	0913936	027	075	SW			1975		K				USFS	D
04010301	ELIM CREEK NEAR HOLYOKE, MN	463103	0922855	027	017	SW	1.06		1976		W			W	USGS	D
04010301	ELIM CREEK NR HOLYOKE, MN	463104	0922930	027	017	SW			1976	1976	O	O			USGS	
04010301	SKUNK CREEK BELOW ELIM CREEK NEAR HOLYOKE, M	463056	0922745	027	017	SW	8.83		1975		O			O	USGS	D
04010301	SKUNK CREEK BELOW ELIM CREEK NR HOLYOKE, MN	463055	0922746	027	017	SW			1975		O	O			USGS	
04010301	DEER CREEK NEAR HOLYOKE, MN	463130	0922320	027	017	SW	7.77	004	1927		O	C		O	USGS	D
04010301	NEMADJI RIVER NEAR DEWEY, WI	463301	0921446	055	031	SW			1978	1979	R	A		R	USGS	D
04010301	LITTLE BALSAM CREEK AT PATZAU, WI	462943	0921347	055	031	SW	5.00		1975	1979	O	M	M	O	USGS	D
04010301	LITTLE BALSAM CREEK NEAR PATZAU, WI	463013	0921405	055	031	SW	5.18		1974		O	Y	Y	O	USGS	D
04010301	LITTLE BALSAM CREEK TRIBUTARY NEAR PATZAU, W	463012	0921418	055	031	SW	.64		1975	1979	O	M	M	O	USGS	D
04010301	LITTLE BALSAM CREEK NEAR FOXBORO, WI	463033	0921402	055	031	SW	6.27		1975	1979	O			O	USGS	D
04010301	BALSAM CREEK NR. PATZAU, WIS.	463328	0921154	055	031	SW			1973	1973	A			A	USGS	D
04010301	NEMADJI RIVER NEAR SOUTH SUPERIOR, WI	463800	0920538	055	031	SW	422.00	004	1972		E	E		E	USGS	D
04010301	PEARSON CREEK NEAR MAPLE, WI	463851	0914255	055	031	SW	4.01	004	1967	1967	A			A	USGS	D
04010301	BOIS BRULE RIVER AT BRULE, WI	463216	0913543	055	031	SW	120.00	004	1964		M	E		M	USGS	D
04010301	BOIS BRULE RIVER NEAR LAKE SUPERIOR, WI	464220	0913607	055	031	SW	181.00	004	1970		A	E		A	USGS	D
04010301	MIDDLE CREEK NEAR IRON RIVER, WI	463912	0912108	055	007	SW			1977		A			A	USGS	D
04010301	MIDDLE CREEK AT HATCHERY NEAR IRON RIVER, WI	463906	0912140	055	007	SW			1977		A			A	USGS	D
04010301	MIDDLE CREEK AT TOWN ROAD NEAR IRON RIVER, W	463902	0912154	055	007	SW			1977		A			A	USGS	D
04010301	SCHACTE CREEK SPRING NEAR IRON RIVER, WI	463823	0912113	055	007	SW			1977		A			A	USGS	D
04010301	SCHACTE CREEK NEAR IRON RIVER, WI	463836	0912137	055	007	SW			1977		A			A	USGS	D
04010301	SCHACTE CREEK AT TOWN ROAD NEAR IRON RIVER,	463838	0912153	055	077	SW			1977		A			A	USGS	D
04010301	SIOUX RIVER NEAR WASHBURN, WI	464120	0905702	055	007	SW	35.20	004	1966	1973	A	A		A	USGS	D
04010301	PINE CREEK AT MOQUAH, WI	463328	0910618	055	007	SW	5.90	004	1974	1979	O	M	M	O	USGS	D
04010301	PINE CREEK TRIBUTARY AT MOQUAH, WI	463427	0910339	055	007	SW	.57	004	1975	1979	O	M	M	O	USGS	D
04010301	PINE CREEK NEAR MOQUAH, WI	463257	0910347	055	007	SW	21.50		1974		O	Y	Y	O	USGS	D
04010302	BAD RIVER NEAR MELLEN, WI	461614	0904226	055	003	SW	83.40	004	1974	1975	K			K	USGS	D

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04010302	ALDER CREEK NEAR UPSON, WI	462309	0902430	055	051	SW	22.30	004	1972		Q			Q	USGS	D
04010302	BAD RIVER NEAR ODANAH, WI	462915	0904145	055	003	SW	611.00		1954		E	E		E	USGS	D
04010302	WHITE RIVER NEAR SANBORN, WI	462933	0905605	055	003	SW			1976		X	R		X	USGS	D
04010302	WHITE RIVER AT RESERVOIR NR SANBORN, WIS.	462934	0905518	055	001	SW			1974		E			E	USGS	D
04010302	WHITE RIVER NEAR ASHLAND, WI	462950	0905415	055	003	SW	279.00	014	1966		E	K		E	USGS	D
04010302	BAD RIVER AT ODANAH, WI	463637	0904113	055	003	SW	970.00	014	1977		M	M		M	USGS	D
04020102	PAULDING#2CG T46N R39W S15	462300	0891000	026	131	SW			1974		E				USFS	D
04020102	ONTONAGON R NR ROCKLAND, MICH	464315	0891225	026	131	SW	1340.00		1973		E	E		E	USGS	D
04020104	STURGEON R NEAR CHASSELL, MI	465828	0883121	026	061	SW	750.00	001	1978		M			M	USGS	D
04020202	TAHQUAMENON RIVER NR TAHQUAMENON PARADISE, M	463430	0851610	026	095	SW	790.00	004	1973		E	E		E	USGS	D
04020300	KODONCE CREEK 8 MI.E G MARAIS	474734	0900917	027	031	SW			1975		N				USFS	D
04020300	WASHINGTON CREEK AT WINDIGO, MICH.	475523	0890842	026	083	SW	13.20	004	1963		R	R		R	USGS	D
04020300	ST MARYS RIVER ABOVE SAULT STE MARIE, MICH.	462929	0842517	026	033	SW	80900.00	004	1969		E	E		E	USGS	D
04030101	BRANCH RIVER NEAR BRANCH, WI	440805	0874555	055	071	SW	106.00	004	1980		Y	Y			USGS	D
04030101	PIGEON R AT EVERGREEN PK AT SHEBOYGAN,WI	434643	0874456	055	117	SW		004	1980		Y	Y			USGS	D
04030101	SHEBOYGAN RIVER AT SHEBOYGAN, WI	434425	0874535	055	117	SW	418.00	014	1964	1978	Y	Y			USGS	D
04030101	MILWAUKEE RIVER TRIBUTARY NEAR FREDONIA, WI	432628	0875538	055	089	SW	.84	004	1975	1975	A			A	USGS	D
04030101	KOHLSVILLE R	432800	0881800	055	131	SW			1964		A				WI001	P
04030102	KEWAUNEE RIVER NEAR KEWAUNEE, WI	442730	0873323	055	061	SW	127.00	004	1960	1975	E	E	E		USGS	D
04030102	KEWAUNEE R NR KEWAUNEE WI	442730	0873323	055	061	SW			1977		E	E	E		USGS	D
04030102	KEWAUNEE RIVER NR KEWAUNEE, WIS.	442730	0873323	055	061	SW			1960	1975	M			M	USGS	D
04030102	EAST TWIN RIVER AT MISHICOT, WI	441416	0873811	055	071	SW	110.00	004	1972	1975	Y	Y			USGS	D
04030102	MANITOWOC RIVER AT MANITOWOC, WI	440626	0874255	055	071	SW	526.00	004	1972	1975	M	Y			USGS	D
04030104	NB OCONTO R NR CARTER WI	452216	0883328	055	041	SW			1977		M	B			USGS	
04030104	OCONTO RIVER NEAR GILLETT, WI	445153	0881800	055	083	SW	705.00	004	1954		E	E	E		USGS	D
04030105	SB PESHTIGO R NR ARGONNE WI	453902	0884913	055	041	SW			1977		Y	B			USGS	
04030105	NB PESHTIGO R NR ARGONNE WI	454022	0884907	055	041	SW			1977		Y	B			USGS	
04030105	OTTER C NR ARGONNE WI	453857	0884445	055	041	SW			1977		Y	B			USGS	
04030105	PESHTIGO R NR BLACKWELL WI	453042	0882605	055	041	SW			1977		M	B			USGS	
04030105	RAT RIVER NR WABENO WI	452900	0882954	055	041	SW			1977		Y	B			USGS	
04030105	OTTER C NR CARTER WI	452533	0882802	055	041	SW			1977		Y	B			USGS	
04030106	ELVOY C NR NELMA WI	460130	0885018	055	041	SW			1977		Y	B			USGS	
04030106	ALLEN C BL CONFLUENCE GASPARDO C	460029	0884314	055	041	SW			1977		Y	B			USGS	
04030106	BRULE RIVER NEAR FLORENCE, WI	455731	0881557	026	071	SW	389.00	004	1964	1967	N			N	USGS	D

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04030106	POPPLE RIVER NEAR FENCE, WI	454549	0882747	055	037	SW	131.00	004	1963		M	A		M	USGS	D
04030106	PINE R BELOW PINE R POWERPLANT NEAR FLORENCE	455016	0881331	055	037	SW	528.00	014	1971	1973	A			A	USGS	D
04030106	MENOMINEE RIVER NEAR PEMBINE, WI	453556	0874632	055	109	SW	3110.00	014	1954		A				USGS	P
04030107	PESHEKEE RIVER NEAR CHAMPION, MICH.	463325	0880009	026	103	SW	133.00	004	1960		E				USGS	D
04030107	MICHIGAMME RIVER NEAR WITCH LAKE, MICH. .	461448	0880045	026	043	SW	316.00	124	1963		2	0		2	USGS	D
04030108	PINE RIVER AT PINE RIVER CAMPGROUNDS, WIS.	454955	0885500	055	041	SW	16.20	004	1967	1967	A			A	USGS	D
04030108	NB PINE R AB DAM NR ALVIN WI	455600	0885201	055	041	SW			1977		Y	B			USGS	
04030108	PINE R NR LONG LK WI	455226	0884108	055	041	SW			1977		M	B			USGS	
04030108	STEVENS C NR TIPLER WI	455534	0883948	055	037	SW			1977		Y	B			USGS	
04030108	POPPLE R AT POPPLE R WI	454748	0884002	055	037	SW			1977		Y	B			USGS	
04030108	POPPLE RIVER NR. FENCE, WIS.	454530	0883140	055	037	SW			1966	1967	A			A	USGS	D
04030108	S. BR. POPPLE RIVER NR. FENCE, WIS.	454440	0883340	055	037	SW	10.20	004	1967	1967	A			A	USGS	D
04030108	PIKE RIVER AT AMBERG, WI	452946	0875904	055	075	SW	253.00	004	1964	1969	E			E	USGS	D
04030108	MENOMINEE RIVER NEAR MCALLISTER, WI	451920	0873940	055	075	SW	4020.00	004	1977		M	M		M	USGS	D
04030108	GLISKE CREEK NEAR MOLE LAKE, WI	453042	0885802	055	041	SW	2.43		1977		A			A	USGS	D
04030109	FORD RIVER NR HYDE, MICH.	454520	0871205	026	041	SW	450.00		1955		E	E		E	USGS	D
04030110	MIDDLE BRANCH ESCANABA RIVER AT HUMBOLT, MIC	462957	0875311	026	103	SW	46.00	024	1961		M	M			USGS	D
04030110	LAKE LORY OUTLET NR HUMBOLDT, MICH. .	462800	0875347	026	103	SW		004	1961	1964	A	A			USGS	D
04030110	MCKINNON LAKE OUTLET NR HUMBOLDT, MICH. .	462822	0875409	026	103	SW	2.80	004	1961	1964	A	A			USGS	D
04030110	LAKE LORY OUTLET NEAR REPUBLIC, MICH.	462648	0875552	026	103	SW	7.45	004	1961	1969	A				USGS	D
04030110	BLACK RIVER NR REPUBLIC, MICH.	462508	0875321	026	103	SW	34.40	004	1960	1971	2	M	M	2	USGS	D
04030110	M BR ESCANABA RIVER NR ISHPEMING, MICH.	462340	0874530	026	103	SW	128.00	024	1960		E	0			USGS	P
04030110	GREEN CREEK NR PALMER, MICH.	462222	0873621	026	103	SW	8.42	014	1963		2	0		2	USGS	D
04030110	ELY CREEK NR NATIONAL MINE, MICH. .	462603	0874126	026	103	SW	9.25	004	1962	1964	A				USGS	D
04030110	SCHWEITZER CREEK NEAR PALMER, MICH.	462440	0873727	026	103	SW	23.60		1960	1971	M				USGS	D
04030110	EAST BRANCH ESCANABA RIVER AT GWINN, MICH. .	461710	0872600	026	103	SW	124.00	124	1953		2	0		2	USGS	D
04030110	ESCANABA RIVER AT CORNELL, MICH. .	455431	0871249	026	041	SW	870.00		1956		E	E		E	USGS	D
04030201	LAWRENCE CREEK NEAR WESTFIELD, WI	435352	0893443	055	077	SW	16.00	004	1973	1973	A			A	USGS	D
04030201	GRAND RIVER NEAR KINGSTON, WI	434109	0890509	055	047	SW	73.70	004	1966	1975	E	A	A		USGS	D
04030201	FOX RIVER AT BERLIN, WI	435714	0885708	055	047	SW	1430.00	024	1965	1978	A			A	USGS	D
04030202	SWAMP CREEK NEAR CRANDON, WI	452952	0885440	055	041	SW			1977		R			R	USGS	D
04030202	SWAMP CREEK ABOVE RICE LAKE, AT MOLE LAKE, W	452918	0885749	055	041	SW		004	1977		M	Z	Z	M	USGS	D
04030202	SWAMP CREEK BELOW RICE LAKE, AT MOLE LAKE, W	452846	0885952	055	041	SW		004	1977		M	Z	Z	M	USGS	D
04030202	SWAMP C NR MOLE LK WI	452844	0885950	055	041	SW			1977		M	B			USGS	

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04030202	LILY R NR LILY WI	451828	0884630	055	067	SW			1977		M	B			USGS	
04030202	WOLF RIVER AT LANGLADE, WI	451124	0884400	055	067	SW	460.00	004	1972		A			A	USGS	D
04030202	WOLF RIVER AT KESHENA FALLS, WI	445328	0883918	055	078	SW	812.00	004	1973	1975	A			A	USGS	D
04030202	EMBARRASS RIVER NEAR EMBARRASS, WI	444329	0884410	055	115	SW	395.00	014	1954		E	E	E		USGS	D
04030202	EMBARRASS R NR EMBARRASS WI	444329	0884410	055	115	SW			1977		E	E	E		USGS	D
04030202	WOLF RIVER AT NEW LONDON, WI	442332	0884425	055	135	SW	2240.00	004	1973		R			R	USGS	D
04030202	LITTLE WOLF RIVER NEAR GALLOWAY, WI	444127	0891551	055	073	SW	20.50	004	1973		A			A	USGS	D
04030202	LITTLE WOLF RIVER AT ROYALTON, WI	442445	0885155	055	087	SW	514.00	004	1964	1967	A			A	USGS	D
04030202	TOMORROW RIVER AT AMHERST, WIS.	442633	0891710	055	097	SW			1966	1973	A			A	USGS	D
04030202	EMMONS CREEK NEAR RURAL, WI	441855	0891134	055	135	SW	27.00	004	1968	1975	E				USGS	P
04030202	WAUPACA RIVER NEAR WAUPACA, WI	441950	0885945	055	135	SW	272.00	004	1964	1967	E			E	USGS	D
04030204	FOX RIVER AT WRIGHTSTOWN, WI	441936	0880954	055	009	SW	6210.00	014	1960		E	E		E	USGS	D
04040001	LITTLE CALUMET R NR MCCOOL IN	413640	0870915	018	127	SW	149.00	004	1978		K			K	USGS	D
04040001	TRAIL CREEK AT MICHIGAN CITY, IND.	414300	0865135	018	091	SW	54.10		1978	1979	K			K	USGS	D
04040001	GALENA RIVER NEAR LAPORTE, IND.	414454	0864030	018	091	SW	17.20		1978	1979	R			R	USGS	D
04040002	OAK CREEK AT SOUTH MILWAUKEE, WI	425530	0875212	055	079	SW			1972		R			R	USGS	D
04040002	ROOT RIVER NEAR FRANKLIN, WI	425225	0875945	055	079	SW	49.30	003	1961		E	E	E		USGS	D
04040002	ROOT RIVER NEAR FRANKLIN, WI	425225	0875945	055	079	SW			1961		R	E		R	USGS	D
04040002	ROOT RIVER CANAL NEAR FRANKLIN, WI	424855	0875940	055	101	SW	57.20	004	1966		A			A	USGS	D
04040002	ROOT RIVER AT RACINE, WI	424505	0874925	055	101	SW	187.00	004	1961		E	E	E		USGS	D
04040002	ROOT RIVER AT RACINE, WI	424505	0874925	055	101	SW			1961		A	E		A	USGS	D
04040002	PIKE RIVER NEAR RACINE, WI	423049	0875130	055	059	SW	38.70	004	1971		E				USGS	D
04040003	GRAND R. AT CO. HWY. H, NR. KINGSTON, WIS.	434301	0880940	055	047	SW			1966	1971	A			A	USGS	D
04040003	MILWAUKEE RIVER AT KEWASKUM, WI	433102	0881324	055	131	SW	138.00	004	1968	1975	E	E	E		USGS	D
04040003	MILWAUKEE R AT KEWASKUM WI	433102	0881322	055	131	SW			1977		E	E	E		USGS	D
04040003	EAST BRANCH MILWAUKEE RIVER NEAR NEW FANE, W	433301	0881118	055	039	SW	54.10	004	1968	1975	E	E	E		USGS	D
04040003	E B MILWAUKEE R AT NEW FANE WI	433301	0881118	055	039	SW			1977		E	E	E		USGS	D
04040003	N. BR. MILWAUKEE RIVER NR. CASCADE, WIS.	433603	0880043	055	117	SW	43.20	004	1973	1973	A			A	USGS	D
04040003	NORTH BRANCH MILWAUKEE RIVER NEAR FILLMORE,	432858	0880339	055	131	SW	148.00	004	1968		E	E	E		USGS	D
04040003	N B MILWAUKEE R NR FILLMORE WI	432858	0880339	055	131	SW			1977		E	E	E		USGS	D
04040003	MILWAUKEE RIVER AT WAUBEKA, WI	432822	0875923	055	089	SW	432.00	004	1969	1978	A			A	USGS	D
04040003	CEDAR CREEK NEAR CEDARBURG, WI	431923	0875843	055	089	SW	120.00	004	1966	1978	Y	Y			USGS	D
04040003	MILWAUKEE RIVER AT MILWAUKEE, WI	430600	0875432	055	079	SW	696.00	001	1964		E	E		E	USGS	D
04040003	MENOMONEE RIVER AT GERMANTOWN, WI	431317	0880758	055	131	SW	19.00	004	1974		E	S		E	USGS	D

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04040003	JEFFERSON PARK DRAIN AT GERMANTOWN, WI	431254	0880721	055	131	SW	1.82	003	1976		D	Q	A	D	USGS	D
04040003	MENOMONEE RIVER AT MENOMONEE FALLS, WIS.	431132	0880758	055	131	SW	32.00	004	1973	1974	A			A	USGS	D
04040003	MENOMONEE RIVER AT MENOMONEE FALLS, WI	441020	0880614	055	133	SW	34.70	004	1974		E	R		E	USGS	D
04040003	MENOMONEE RIVER AT BUTLER, WI	430652	0880357	055	079	SW	60.64	004	1974		E	R		E	USGS	D
04040003	LITTLE MENOMONEE RIVER NEAR FREISTADT, WI	431224	0880224	055	089	SW	8.00	004	1973	1978	E	S		E	USGS	D
04040003	NOYES CREEK AT MILWAUKEE, WI	430827	0880130	055	079	SW	1.94		1974		E	S		E	USGS	D
04040003	LITTLE MENOMONEE RIVER AT MILWAUKEE, WI	430728	0880334	055	079	SW	19.70		1974		E	S		E	USGS	D
04040003	UNDERWOOD CREEK AT WAUWATOSA, WI	430317	0880246	055	079	SW	18.20	003	1973	1978	E	R		E	USGS	D
04040003	HONEY CREEK AT WAUWATOSA, WI	430238	0880010	055	079	SW	10.30		1973	1978	E	R		E	USGS	D
04040003	MENOMONEE RIVER AT WAUWATOSA, WI	430244	0875959	055	079	SW	123.00	003	1962	1978	E	R		E	USGS	D
04040003	SCHOONMAKER CREEK AT WAUWATOSA, WI	430302	0875928	055	079	SW	1.94	003	1974		E	S		E	USGS	D
04040003	HAWLEY ROAD STORM SEWER AT WAUWATOSA, WI	430234	0875859	055	079	SW	1.83	003	1974	1978	E	A		E	USGS	D
04040003	MENOMONEE RIVER AT FALK CORP AT MILWAUKEE, W	430135	0875714	055	079	SW	133.82	003	1974		D	A		D	USGS	D
04040003	OAK CREEK AT SOUTH MILWAUKEE, WI	425530	0875212	055	079	SW	25.00	003	1963		E	E			USGS	D
04040105	PESHTIGO RIVER AT PESHTIGO, WI	450249	0874440	055	075	SW	1120.00	014	1965		A			A	USGS	D
04050001	ST JOSEPH R AT CONSTANTINE RD BRDG	415435	0853821	026	149	SW			1968	1975	M				MI001	C
04050001	BAW BEESE LAKE INLET AT M-99 NR HILLSDALE, M	415317	0843538	026	059	SW			1973	1975	A			E	USGS	D
04050001	BAW BEESE LK OUT AT LKVW RD AT HILLSDALE, MI	415418	0843701	026	059	SW	5.10	004	1974		A			A	USGS	D
04050001	BAW BEESE LK OUT AT GRSWLD RD AT HILLSDALE,	415423	0843721	026	059	SW			1974	1978	A			E	USGS	D
04050001	KING LK INLET AT CAMBRIA RD AT HILLSDALE, MI	415348	0843904	026	059	SW			1973		A			A	USGS	D
04050001	KING LAKE OUTLET AT M-99 AT HILLSDALE, MICH.	415401	0843755	026	059	SW			1973		A			A	USGS	D
04050001	KING LK OUT AT STEAMBURG RD AT HILLSDALE, MI	415426	0843728	026	059	SW	4.19	004	1973		A			A	USGS	D
04050001	ST. JOSEPH RIVER AT SOUTH ST AT HILLSDALE, M	415458	0843732	026	059	SW			1973		A			A	USGS	D
04050001	ST. JOSEPH R AT FAYETTE ST AT HILLSDALE, MIC	415545	0843822	026	059	SW	12.40	004	1974		R			R	USGS	D
04050001	ST. JOSEPH RIVER BELOW STP AT HILLSDALE, MIC	415604	0843826	026	059	SW			1974		A			A	USGS	D
04050001	WINONA LK OUT AT HILLSDALE ST AT HILLSDALE,	415631	0843754	026	059	SW			1973		A			E	USGS	D
04050001	BEEBE CREEK AT MAUCK RD NEAR NORTH ADAMS, MI	415631	0843116	026	059	SW			1974		A			E	USGS	D
04050001	BEEBE CREEK AT KNOWLES RD NR NORTH ADAMS, MI	415638	0843132	026	059	SW			1974		A			A	USGS	D
04050001	BEEBE CREEK AT STATE RD NEAR NORTH ADAMS, MI	415627	0843302	026	059	SW	20.20	004	1974		A			A	USGS	D
04050001	BEEBE C AT LK PLEASANT RD NR NORTH ADAMS, MI	415704	0843426	026	059	SW	24.60	004	1974		A			A	USGS	D
04050001	BEEBE CREEK AT MILNES RD NEAR HILLSDALE, MIC	415744	0843535	026	059	SW			1973		A			A	USGS	D
04050001	BEEBE C TRIB AT BARKER RD NR NORTH ADAMS, MI	415902	0843353	026	059	SW			1973		A			E	USGS	D
04050001	BEEBE C TRIB AT MILNES RD NEAR HILLSDALE, MI	415808	0843535	026	059	SW			1975		A			A	USGS	D
04050001	UNNAMED TRIB TO BEEBE CR TRIB NR N. ADAMS, M	415808	0843535	026	059	SW			1973	1974	A			A	USGS	D

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04050001	TR TO BEEBE C TR AT MILNES RD NR HILLSDALE,	415802	0843535	026	059	SW			1973		A			A	USGS	D
04050001	HALF MOON LK OUT,N ADAMS RD,NR JONESVILLE, M	415838	0843640	026	059	SW			1973		A			E	USGS	D
04050001	BEEBE CREEK TRIB AT BALL RD NR HILLSDALE, MI	415759	0843548	026	059	SW	10.80	004	1974		A			A	USGS	D
04050001	BEEBE CREEK NEAR HILLSDALE, MICH.	415715	0843820	026	059	SW	42.40	004	1973		E	E		E	USGS	D
04050001	ST JOSEPH RIVER AT MOORE RD NR HILLSDALE, MI	415723	0843931	026	059	SW	62.40	004	1973		A			A	USGS	D
04050001	ST JOSEPH RIVER AT US-12 AT JONESVILLE, MICH	415858	0843952	026	059	SW	66.50	004	1974		R			R	USGS	D
04050001	ST. JOSEPH R BELOW STP AT JONESVILLE, MICH.	415937	0844020	026	059	SW			1974		A			A	USGS	D
04050001	BUTTERNUT CREEK NEAR JONESVILLE, MICH.	415858	0844234	026	059	SW	1.88		1976		R			R	USGS	D
04050001	ST. JOSEPH R AT STERLING RD NR LITCHFIELD, M	420054	0844316	026	059	SW			1974		A			A	USGS	D
04050001	ST. JOSEPH R AT MILL POND AT LITCHFIELD, MIC	420158	0844413	026	059	SW			1974		A			E	USGS	D
04050001	ST. JOSEPH RIVER AT LITCHFIELD, MICH.	420237	0844552	026	059	SW	81.00	004	1973		R	E		R	USGS	D
04050001	SAND C TRIB BELOW MECHANIC RD NR HILLSDALE,	415558	0844142	026	059	SW			1974		E			E	USGS	D
04050001	SAND CREEK AT SAND LAKE RD NR JONESVILLE, MI	415521	0844155	026	059	SW	9.44	004	1974		K			K	USGS	D
04050001	SAND CREEK AT US-12 NEAR ALLEN, MICH.	415747	0844420	026	059	SW			1973		A			S	USGS	D
04050001	SAND C TRIBUTARY AT BEULOW RD NEAR ALLEN, MI	415851	0844420	026	059	SW			1973		A			A	USGS	D
04050001	SAND CREEK AT JONESVILLE RD NR ALLEN, MICH.	415908	0844504	026	059	SW			1974		A			A	USGS	D
04050001	SAND CREEK AT LITCHFIELD, MICH.	420145	0844647	026	059	SW	20.60	004	1973		E	E		E	USGS	D
04050001	SAND CREEK AT STORMS RD NEAR LITCHFIELD, MIC	420304	0844822	026	059	SW	23.20	004	1974		N			N	USGS	D
04050001	ST. JOSEPH R AT S CO LINE RD NR LITCHFIELD,	420421	0844950	026	025	SW			1973		A			E	USGS	D
04050001	SOAP CREEK AT MCLAINE RD NEAR LITCHFIELD, MI	420032	0844715	026	059	SW	4.66	004	1973		R			R	USGS	D
04050001	SOAP CREEK AT LITCHFIELD RD NR LITCHFIELD, M	420238	0845010	026	023	SW	10.90	004	1973		O	E		O	USGS	D
04050001	SOAP CREEK AT ELY RD NEAR LITCHFIELD, MICH.	420407	0845004	026	023	SW	13.10	004	1974		N			N	USGS	D
04050001	SOAP CREEK AT S CO LINE RD NR LITCHFIELD, MI	420420	0845004	026	059	SW			1974	1974	A			A	USGS	D
04050001	ST. JOSEPH R AT T DRIVE SOUTH NEAR HOMER, MI	420604	0845038	026	025	SW			1973		A			S	USGS	D
04050001	ST JOSEPH RIVER AT CLARENDON, MICH.	420751	0845156	026	025	SW	144.00	004	1973		E	E		E	USGS	D
04050001	PIGEON CREEK NR ANGOLA, IND.	413804	0850635	018	151	SW	106.00	004	1978	1979	Q			Q	USGS	D
04050001	NB ELKHART RIVER AT COSPERVILLE, IND.	412854	0852832	018	113	SW	142.00		1978		R			R	USGS	D
04050001	ELKHART RIVER AT GOSHEN, IND.	413536	0855055	018	039	SW	594.00	014	1963		K			K	USGS	D
04050001	ST. JOSEPH RIVER AT NILES, MICH.	414945	0861535	026	021	SW	3666.00	014	1979		K	K		K	USGS	D
04050002	BLACK R AT HOLLAND MI	424621	0861233	026	139	SW			1963	1975	M				MI001	
04050002	BLACK R AT R AVE BRDG AT HOLLAND	424803	0860643	026	139	SW			1973	1975	M				MI001	C
04050003	SOUTH BRANCH KALAMAZOO RIVER AT HOMER, MICH.	420850	0844811	026	025	SW	139.00	004	1971	1972	K			K	USGS	D
04050003	SOUTH BRANCH KALAMAZOO RIVER BELOW HOMER, MI	420934	0844819	026	025	SW			1972	1972	K			K	USGS	D
04050003	SOUTH BRANCH KALAMAZOO RIVER NEAR ALBION, MI	421211	0844739	026	025	SW	146.00	004	1971	1972	K	E		K	USGS	D

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04050003	SOUTH BRANCH KALAMAZOO RIVER AT ALBION, MICH	421425	0844455	026	025	SW	151.00	004	1971	1972	K			K	USGS	D
04050003	NORTH BRANCH KALAMAZOO RIVER NEAR ALBION, MI	421406	0844141	026	075	SW			1971	1971	A			A	USGS	D
04050003	KALAMAZOO RIVER AT SAUGATUCK, MICH.	423850	0861153	026	005	SW	2020.00	004	1973		M	M		E	USGS	D
04050004	RED CEDAR R AT ZIMMER RD BRDG	424224	0841853	026	065	SW			1971	1975	M				MI001	C
04050004	RED CEDAR R AT ELM ST BRDG IN LANS	424318	0843257	026	065	SW			1971	1975	M				MI001	C
04050004	SYCSMORE C AT HOLT RD BRDG	423824	0842855	026	065	SW			1971	1975	M				MI001	C
04050004	M B RED CEDAR R AT OLD US 16 BRDG	423937	0840451	026	093	SW			1971	1978	M				MI001	C
04050004	RED CEDAR R AT BOWEN RD BRDG	423808	0840201	026	093	SW			1972	1975	M				MI001	C
04050004	RED CEDAR RIVER AT EAST LANSING, MICH. .	424340	0842840	026	065	SW	355.00	004	1963	1975	A	A		A	USGS	D
04050004	GRAND RIVER AT LANSING, MICH. .	424502	0843319	026	065	SW	1230.00		1962	1975	A			A	USGS	D
04050004	GRAND RIVER AT PORTLAND, MICH. .	425120	0845445	026	067	SW	1385.00	004	1962	1975	A	A		A	USGS	D
04050005	MAPLE R AT M-21 BRDG	430002	0845518	026	067	SW			1971	1975	M				MI001	C
04050005	LAKE ADAMS OUT AT DEWEY RD NR NORTH ADAMS, M	425604	0843238	026	059	SW			1976	1976	A				USGS	D
04050005	S SAND LK OUTLET AT BACON RD NR HILLSDALE, M	425552	0844156	026	059	SW			1973		E			E	USGS	D
04050005	M SAND LK OUT AT MECHANIC RD NR HILLSDALE, M	425634	0844206	026	059	SW			1973		E			E	USGS	D
04050006	GRAND R AT THE MOUTH	430332	0861432	026	139	SW			1963		E				MI001	P
04050006	GRAND RIVER AT IONIA, MICH. .	425820	0850413	026	067	SW	2840.00	004	1963	1975	A	A		A	USGS	D
04050006	GRAND RIVER AT EASTMANVILLE, MICH. .	430053	0855721	026	139	SW	5230.00	004	1979		K	K		N	USGS	D
04050007	THORNAPPLE R AT MCKEOWN RD HASTING	423658	0851405	026	015	SW			1973	1975	M				MI001	C
04050007	THORNAPPLE R GRAND R DR BRDG NR AD	425709	0852910	026	081	SW			1971	1975	M				MI001	C
04060101	PERE MASQUETTE R AT LUDINGTON MI	435708	0862732	026	105	SW			1963	1975	M				MI001	P
04060101	BIG SABLE R AT QUARTERLINE RD BRDG	440606	0861636	026	105	SW			1966	1975	M				MI001	C
04060101	PERE MARQUETTE R AT SCOTTVILLE RD	435640	0861648	026	105	SW			1970	1975	M				MI001	C
04060101	WHITE R NR WHITEHALL MI	432230	0862523	026	121	SW			1963		M				MI001	P
04060101	BLACK C NR MOUTH	431007	0861728	026	121	SW			1971	1974	M				MI001	C
04060101	BLACK CR AT EVANSTON RD BRIDGE	431254	0860542	026	121	SW			1972		M				MI001	C
04060101	WHITE R AT NORTHBOUND US31	432532	0861846	026	121	SW			1972		M				MI001	C
04060101	PENTWATER R AT PENTWATER MI	434653	0862629	026	127	SW			1963	1975	M				MI001	P
04060101	N BR PENTWATER R AT US 31 BRDG	434548	0862339	026	127	SW			1973	1975	M				MI001	C
04060101	MUSKEGON RIVER AT US-31 NR MUSKEGON, MICH. .	431600	0861225	026	121	SW	2567.00	004	1974	1974	N	N			USGS	D
04060102	MUSKEGON R BL BIG RAPIDS	433807	0852651	026	121	SW			1972	1975	M				MI001	C
04060102	MUSKEGON R AT M55 BRDG	442006	0845320	026	113	SW			1973	1975	M				MI001	C
04060102	MUSKEGON R AT S BANK OF OUTLET	431344	0862004	026	121	SW			1963		E				MI001	P
04060102	MUSKEGON R AT NORTHBOUND US31	431547	0861209	026	121	SW			1972		M				MI001	C

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04060102	MOSQUITO CR, END OF MILL IRON RD	431606	0860902	026	121	SW			1972		M				MI001	C
04060102	MUSKEGON R AT BRDG ST BRDG NEWAGGO	432500	0854830	026	123	SW			1966	1975	M				MI001	C
04060102	MUSKEGON R NR BRIDGETON, MICH. .	431905	0860211	026	121	SW	2420.00		1973		E	E		E	USGS	D
04060103	MANISTEE R AT MAPLE STREET BRDG	441454	0861924	026	101	SW			1963		M				MI001	P
04060103	LITTLE MANISTEE R AT WATER ST BRDG	441232	0861637	026	101	SW			1966	1975	M				MI001	C
04060103	PINE R 2MI.SW HOXEYVILLE, MICH.	441100	0854600	026	165	SW			1971		E				USFS	D
04060103	PINE R 6MI N.LUTHER,MICH.	440700	0854100	026	085	SW			1971		E				USFS	D
04060103	PINE R 3MI.S BRISTOL,MICH.	440400	0853500	026	085	SW			1971		E				USFS	D
04060103	PINE RIVER NEAR LUTHER, MICH. .	440646	0854100	026	085	SW			1965	1970	2	R		2	USGS	D
04060103	SILVER CREEK NEAR LUTHER, MICH.	440705	0854105	026	085	SW			1967	1970	2	R		2	USGS	D
04060103	POPLAR CREEK NEAR HOXEYVILLE, MICH. .	441016	0854234	026	165	SW			1967	1970	2	R		2	USGS	D
04060103	PINE RIVER NEAR DUBLIN, MICH.	441045	0854540	026	165	SW			1966	1970	2	K		2	USGS	D
04060103	PINE RIVER NEAR WELLSTON, MICH. .	441247	0855347	026	101	SW			1965	1970	2	R		2	USGS	D
04060103	MANISTEE R AT MANISTEE, MICH. .	441502	0861909	026	101	SW	2000.00		1973		E	E		E	USGS	D
04060106	MANISTIQUE RIVER ABOVE MANISTIQUE, MICH. .	455818	0861435	026	153	SW	1445.00	004	1974		E	E		E	USGS	D
04060200	MANISTIQUE RIVER AT MANISTIQUE, MICH. .	455706	0861454	026	153	SW	1450.00	004	1974	1975	K	K		K	USGS	D
04070004	CHEBOYGAN R AT US-23 BRIDGE	453843	0842821	026	031	SW			1973		M				MI001	C
04070004	CHEBOYGAN R AT LINCOLN AVE AT CHEBOYGAN, MIC	453802	0842852	026	031	SW	1500.00		1973		M	M		E	USGS	D
04070006	THUNDER BAY R- DAM ABOVE 9TH ST	450416	0832616	026	007	SW			1973		E				MI001	C
04070006	HUNT CREEK NEAR LEWISTON, MICH.	445209	0840840	026	119	SW	11.00	004	1970	1972	M	Q		M	USGS	D
04070006	THUNDER BAY RIVER AT ALPENA, MI	450415	0832616	026	007	SW			1979		N	N		R	USGS	D
04070007	AUSABLE R AT CO RD 612 BRDG W FRED	444642	0844540	026	039	SW			1966	1975	M				MI001	C
04070007	AU SABLE R AT REA RD BRIDGE	442610	0832603	026	069	SW			1973		E				MI001	C
04070007	VAN ETTEN CR. AT M-171 BRIDGE	442626	0832030	026	069	SW			1973		E				MI001	C
04070007	AU SABLE R AT KEYSTONE LNDG NR GRAYLING, MIC	443955	0843738	026	039	SW			1971	1971	A			A	USGS	D
04070007	AU SABLE R NEAR AU SABLE, MI	442609	0832628	026	069	SW	1540.00	014	1978		M			M	USGS	D
04080101	RIFLE R AT STATE ROAD	440205	0835048	026	011	SW			1963		M				MI001	P
04080101	AU GRES R. AT US-23 BRIDGE	440254	0834113	026	011	SW			1973		Q				MI001	C
04080101	RIFLE RIVER NEAR STERLING, MICH.	440421	0840112	026	011	SW	320.00		1966		2	E		2	USGS	D
04080102	PINE R NR STANDISH MI	435906	0835315	026	011	SW			1963	1975	M				MI001	P
04080102	KAWRAWLIN R AT KAWRAWLIN MI	433406	0835351	026	017	SW			1963	1975	M				MI001	P
04080103	SEBEWAING R AT SEBEWAING MI	434403	0832727	026	063	SW			1963	1975	M				MI001	P
04080103	PENSAUKEE RIVER NEAR PENSAUKEE, WI	444908	0875712	055	083	SW	137.00	004	1972		E	E	E		USGS	D
04080103	PIGEON R NEAR CASEVILLE, MI	435622	0831430	026	063	SW	125.00	004	1977		M			M	USGS	D

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04080104	WILLOW R AT US 25 BRDG	440147	0825007	026	063	SW			1967	1975	M				MI001	C
04080201	TITTABAWASSEE R MAPLETON	433452	0841116	026	111	SW			1963		M				MI001	C
04080201	TITTABAWASSEE R CURTIS RD EDENVILL	434757	0842317	026	111	SW			1973	1975	M				MI001	C
04080202	PINE R AT HARRISON RD BRDG	432058	0844127	026	057	SW			1967	1975	M				MI001	C
04080202	PINE R BL ST LOUIS	432712	0843407	026	057	SW			1972	1978	M				MI001	C
04080202	CHIPPEWA R AT ISABELLA RD BRDG	433801	0844453	026	073	SW			1971	1975	M				MI001	C
04080203	SHIAWASSEE R AT SEYMOUR RD BRDG	424822	0835024	026	049	SW			1971		M				MI001	C
04080203	S B SHIAWASSEE R AT NORTON RD BRDG	423537	0835739	026	093	SW			1971	1975	M				MI001	C
04080203	SHIAWASSEE R BL CHESANING	431303	0840620	026	145	SW			1972	1975	M				MI001	C
04080203	SHIAWASSEE R AT JODDVILLE RD	430304	0841042	026	155	SW			1971	1975	M				MI001	C
04080203	SHIAWASSEE RIVER AT LINDEN, MICH.	424856	0834808	026	049	SW	81.20	004	1975	1975	A			A	USGS	D
04080203	SHIAWASSEE RIVER AT BYRON, MICH.	424925	0835645	026	155	SW	368.00	004	1953		A			A	USGS	D
04080203	SHIAWASSEE RIVER AT DWOSSO, MICH.	430054	0841052	026	155	SW	538.00	004	1966	1975	2	A		2	USGS	D
04080203	SHIAWASSEE RIVER NEAR FERGUS, MICH.	431517	0840620	026	145	SW	637.00	004	1967	1975	A	A		A	USGS	D
04080204	SWARTZ C KEARSLEY ST BRDG FLINT	430049	0834157	026	049	SW			1971	1975	M				MI001	C
04080204	FLINT R AT ELMS RD BRIDGE	430302	0834849	026	049	SW			1969		M				MI001	C
04080204	FLINT R AT MOUNT MORRIS RD	430703	0835138	026	049	SW			1971		M				MI001	C
04080204	FLINT R AT CARPENTER RD BRDG	430404	0833914	026	049	SW			1973	1975	M				MI001	C
04080204	FLINT R AT GENESEE RD BRDG	430626	0833703	026	049	SW			1973	1975	M				MI001	C
04080204	FLINT R AT KLAN RD BRDG	431028	0831904	026	087	SW			1967	1975	M				MI001	C
04080204	S B FLINT R AT MAYFIELD RD BRDG	430456	0831904	026	087	SW			1971	1975	M				MI001	C
04080204	FLINT R AT E BURT RD BRIDGE	431408	0835207	026	145	SW			1971		M				MI001	C
04080204	FLINT RIVER NEAR FLINT, MICH.	430220	0834610	026	049	SW	956.00	014	1953	1975	A	A		A	USGS	D
04080204	FLINT RIVER NEAR FOSTERS, MICH.	431830	0835713	026	145	SW	1188.00	014	1967	1975	A	A		A	USGS	D
04080205	CASS R BL FARNKENMUTH	431948	0834949	026	145	SW			1972	1975	M				MI001	C
04080205	CAS R AT WELLS RD BRDG WAHJAMEGA	432702	0832629	026	157	SW			1971	1975	M				MI001	C
04080205	CASS RIVER AT FRANKENMUTH, MICH.	431940	0834453	026	145	SW	841.00	004	1960	1972	2	A		2	USGS	D
04080206	SAGINAW R AT MIDLAND ST BRIDGE	433605	0835331	026	017	SW			1973		M				MI001	C
04080206	SAGINAW RIVER AT SAGINAW, MICH.	432446	0835747	026	145	SW	6060.00		1973		M	M		E	USGS	D
04080300	WHITNEY DRAIN E B AUGRES R US 23	440837	0833410	026	011	SW			1973	1975	M				MI001	C
04080300	TAWAS R AT TAWAS CITY MI	441534	0833138	026	069	SW			1963	1975	E				MI001	P
04080300	AUSABLE R AT OSCODA MI	442427	0831929	026	069	SW			1963	1975	M				MI001	P
04080300	TAWAS R AT US 23 AT TAWAS CITY	441550	0833124	026	069	SW			1973	1975	M				MI001	C
04090001	ST CLAIR RIVER AT PORT HURON, MICH.	425919	0823649	026	147	SW	222400.00	004	1967		M			M	USGS	D

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04090001	BLACK RIVER NEAR FARGO, MICH. .	430532	0823705	026	147	SW	480.00	004	1960		2	E		2	USGS	D
04090003	RED RUN R 14 MILE RD BRIDGE WARREN	423214	0830023	026	099	SW			1963	1975	M				MI001	P
04090003	CLINTON RIVER NEAR FRASER, MICH. .	423440	0825700	026	099	SW	444.00	004	1960	1969	E			E	USGS	D
04090003	CLINTON RIVER AT MOUNT CLEMENS, MICH.	423545	0825435	026	099	SW	734.00	004	1973		E	E		E	USGS	D
04090004	RIVER ROUGE AT W.JEFFERSON AVE.	421650	0830744	026	163	SW			1966		M				MI001	C
04090004	DETROIT R AT DETROIT MICH	422050	0825731	026	163	SW			1957		E				USEPA	C
04090004	DETROIT R AT DETROIT, MICH. .	422050	0825731	026	163	SW	228800.00	004	1969		E	E		E	USGS	D
04090004	MIDDLE R ROUGE AB PHOENIX LK NR PLYMOUTH, MI	422402	0832808	026	163	SW			1973	1974	N	A		N	USGS	D
04090004	MIDDLE R ROUGE BL PHOENIX LK NR PLYMOUTH, MI	422333	0832802	026	163	SW			1973	1974	N	A		N	USGS	D
04090004	MIDDLE R ROUGE AB WILCOX LK AT PLYMOUTH, MIC	422306	0832754	026	163	SW			1973	1974	N	N		N	USGS	D
04090004	MIDDLE R ROUGE BL WILCOX LK AT PLYMOUTH, MIC	422303	0832723	026	163	SW			1973	1974	N	N		N	USGS	D
04090004	MIDDLE R ROUGE AT HAGGERTY RD AT PLYMOUTH, M	422219	0832644	026	163	SW			1967	1974	N	A		N	USGS	D
04090004	MIDDLE R ROUGE AB NEWBURGH LK AT PLYMOUTH, M	422213	0832558	026	163	SW			1973	1974	N	N		N	USGS	D
04090004	MIDDLE R ROUGE BL NEWBURGH LK NR PLYMOUTH, M	422200	0832441	026	163	SW			1973	1974	N	N		N	USGS	D
04090005	PIGEON R AT M25 BRDG AT CASEVILLE	435638	0831624	026	063	SW			1973		M				MI001	C
04090005	HURON R AT N. TERRITORIAL RD BR	422313	0835440	026	161	SW			1967		M				MI001	C
04090005	HURON RIVER NEAR DEXTER, MICH. .	422310	0835440	026	161	SW	522.00	004	1947		2			2	USGS	D
04100002	R RAISIN AT SHARON VALLEY RD BR	421004	0840433	026	161	SW			1972		M				MI001	C
04100002	RIVER RAISIN NEAR MONROE, MICH. .	415738	0833152	026	115	SW	1042.00	004	1966		2	E		2	USGS	D
04100004	WABASH RIVER AT BLUFFTON, IND	404430	0851019	018	179	SW	532.00	004	1968	1971	N	A		N	USGS	D
04100004	ST. MARYS RIVER NEAR FORT WAYNE, IND.	405916	0850603	018	003	SW	762.00		1953	1979	2	A		2	USGS	D
04100006	TIFFIN R AT STRYKER OH	413016	0842547	039	171	SW	410.00	004	1952		E	E		E	USGS	D
04100007	AUGLAIZE R NR FORT JENNINGS OH	405655	0841558	039	137	SW	332.00	024	1965		E	E		E	USGS	D
04100007	AUGLAIZE R NR DEFIANCE OH	411415	0842357	039	039	SW	2318.00	014	1936		2	E		E	USGS	D
04100008	BLANCHARD R NR FINDLAY OH	410321	0834117	039	063	SW	346.00	004	1965		E	E		E	USGS	D
04100009	MAUMEE R AT WATERVILLE OH	413000	0834246	039	095	SW	6330.00	004	1949		E	R		E	USGS	D
04100010	PORTAGE R AT WOODVILLE OH	412658	0832141	039	143	SW	428.00	024	1949	1974	2			2	USGS	D
04100010	PORTAGE R AT RAILROAD BRIDGE AT WOODVILLE OH	412658	0832129	039	143	SW	428.00	004	1949		2			2	USGS	D
04100011	SANDUSKY R NR BUCYRUS OH	404813	0830021	039	033	SW	88.80	004	1943		E	E		E	USGS	D
04100011	TYMOCHTEE C AT CRAWFORD OH	405522	0832056	039	175	SW	229.00	004	1965	1975	M	M	M		USGS	D
04100011	TYMOCHTEE C AT CRAWFORD OH	405522	0832056	039	175	SW			1965		E	E		E	USGS	D
04100011	SANDUSKY R AT ST JOHNS BRIDGE NR MEXICO OH	410149	0831256	039	147	SW	771.00	004	1968	1976	E	E	E		USGS	D
04100011	SANDUSKY R NR MEXICO OH	410239	0831142	039	147	SW	774.00	004	1965		R	R		R	USGS	D
04100011	SANDUSKY R NR FREMONT OH	411828	0830932	039	143	SW	1251.00	004	1949		2			2	USGS	D

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04100011	SANDUSKY R AT FREMONT OH	411942	0830733	039	143	SW	1257.00	004	1947	1975	O	M			USGS	P
04100012	HURON R AT MILAN OH	411806	0823625	039	043	SW	371.00	004	1950		H	A		H	USGS	D
04100012	VERMILION R NR VERMILION OH	412255	0821901	039	093	SW	262.00	004	1950		E	E		E	USGS	D
04110001	BLACK R AT ELYRIA OH	412249	0820617	039	093	SW	396.00	004	1961	1974	R	A		R	USGS	D
04110001	ROCKY R NR BEREA OH	412424	0815314	039	035	SW	267.00	004	1964		R	E		R	USGS	D
04110002	CUYAHOGA R AT HIRAM RAPIDS OHIO	412040	0811000	039	133	SW			1977		M	M	M		USCE	
04110002	CONGRESS LAKE OUTLET	411005	0812030	039	133	SW			1977		M	M	M		USCE	
04110002	CUYAHOGA R AT OLD PORTAGE OHIO	410804	0813245	039	153	SW			1976		M	M	M		USCE	
04110002	CUYAHOGA R BRECKSVILLE CHAFFEE RD	411930	0813510	039	035	SW			1976		M	M	M		USCE	
04110002	L CUYAHOGA R BL OHIO CA AT AKRON OH	410540	0813118	039	153	SW	59.20	014	1973		O				USGS	D
04110002	CUYAHOGA R AT OLD PORTAGE OH	410808	0813250	039	153	SW	404.00	124	1964		O	E		O	USGS	D
04110002	MUD BK AT AKRON-PENINSULA ROAD NR AKRON OH	410820	0813254	039	153	SW	29.30	014	1976		O				USGS	D
04110002	MUD BK NR AKRON OH	410820	0813254	039	153	SW			1977		O	O			USGS	P
04110002	YELLOW C AT BATH ROAD NR BOTZUM OH	410947	0813502	039	153	SW	30.70	014	1976		O				USGS	D
04110002	YELLOW C NR BOTZUM OH	410947	0813502	039	153	SW			1977		O	O			USGS	C
04110002	FURNACE RN AT WHEATLEY ROAD NR EVERETT OH	411228	0813507	039	153	SW	17.70	014	1976		O				USGS	D
04110002	FURNACE RN NR EVERETT OH	411228	0813507	039	153	SW			1977		O	O			USGS	D
04110002	CUYAHOGA R AT PENINSULA OH	411429	0813300	039	153	SW	494.00	014	1976		O				USGS	D
04110002	CUYAHOGA R AT PENINSULA OH	411429	0813300	039	153	SW			1977		O	O			USGS	D
04110002	BRANDYWINE C NR JAITE OH	411709	0813344	039	153	SW	27.20	014	1976		O				USGS	D
04110002	BRANDYWINE C AT JAITE OH	411709	0813344	039	153	SW			1977		O	O			USGS	D
04110002	CHIPPEWA C AT RIVERVIEW ROAD NR BRECKSVILLE	411902	0813532	039	035	SW	17.70	014	1976		O				USGS	D
04110002	CHIPPEWA C NR BRECKSVILLE OH	411902	0813532	039	035	SW			1977		O	O			USGS	D
04110002	TINKERS C AT BEDFORD OH	412304	0813139	039	035	SW	83.90	004	1965		O	E		O	USGS	D
04110002	CUYAHOGA R AT INDEPENDENCE OH	412343	0813748	039	035	SW	707.00	124	1947		O	E		O	USGS	D
04110002	BIG C AT CLEVELAND OH	412701	0814318	039	035	SW	35.30	003	1972		W			W	USGS	D
04110003	EUCLID C NR EUCLID OH	413428	0813251	039	035	SW	22.60		1977		O			O	USGS	D
04110003	CHAGRIN R AT WILLOUGHBY OH	413751	0812413	039	085	SW	246.00	024	1950		E	E		E	USGS	D
04110003	ASHTABULA R NR ASHTABULA OH	415120	0804544	039	007	SW	121.00	004	1964	1974	H	A		H	USGS	D
04110004	GRAND R NR MADISON OH	414426	0810248	039	085	SW	581.00	004	1965	1974	R	R		R	USGS	D
04120101	CONNEAUT C AT CONNEAUT OH	415537	0803615	039	007	SW	175.00	004	1964		E	E		E	USGS	D
04120102	CATTARAUGUS CREEK AT GOWANDA NY	422750	0785610	036	029	SW	432.00		1958		K			K	USGS	D
04120103	BUFFALO R1 AT BUFFALO	425142	0785204	036	029	SW			1977		O	B			USCE	D
04120104	ELLICOTT C AT WILLIAMSVILLE NY	425840	0784550	036	029	SW			1976		O	B			USCE	D

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04120104	TONAWANDA CREEK AT BATAVIA, N. Y.	425951	0781120	036	037	SW	171.00	024	1963		Q	A		Q	USGS	D
04120104	NIAGARA R(L ONTARIO) AT FORT NIAGARA NY	431540	0790347	036	063	SW	265000.00		1970		K	K		K	USGS	D
04130002	CRYDER CREEK AT PAYNESVILLE NY	420029	0775030	036	003	SW	47.70	004	1954	1976	A			A	USGS	D
04130002	FORD BROOK AT STANNARDS NY	420403	0775543	036	003	SW	11.50	004	1964	1972	A	A		A	USGS	D
04130002	CHENUNDA CREEK AT STANNARDS NY	420506	0775436	036	003	SW	30.30		1954	1972	A	A		A	USGS	D
04130002	GENESEE RIVER AT WELLSVILLE NY	420720	0775727	036	003	SW	289.00		1972	1977	E	R		E	USGS	D
04130002	BRIMMER BROOK NEAR WELLSVILLE NY	420730	0775843	036	003	SW	7.76	004	1964	1972	A			A	USGS	D
04130002	VANDERMARK CREEK NEAR SCIO NY	421002	0775731	036	003	SW	22.00	004	1964	1972	A			A	USGS	D
04130002	KNIGHT CREEK AT SCIO NY	421015	0775917	036	003	SW	21.90	004	1954	1972	A			A	USGS	D
04130002	PHILLIPS CREEK NEAR BELMONT NY	421423	0780054	036	003	SW	26.00	004	1964	1972	A			A	USGS	D
04130002	BAKER CREEK NEAR ANGELICA NY	421831	0780238	036	003	SW	21.90	004	1964	1972	A			A	USGS	D
04130002	GENESEE RIVER AT TRANSIT BRIDGE NEAR ANGELIC	421746	0780436	036	003	SW	577.00		1975	1977	H	R		H	USGS	D
04130002	WHITE CREEK NEAR BELFAST NY	421853	0780628	036	003	SW	14.20	004	1964	1972	A			A	USGS	D
04130002	WIGWAM CREEK AT BELFAST NY	422004	0780554	036	003	SW	11.20	004	1964	1972	A			A	USGS	D
04130002	CRAWFORD CREEK AT ORAMEL NY	422137	0780858	036	003	SW	9.77	004	1964	1976	A			A	USGS	D
04130002	GENESEE RIVER AT HOUGHTON NY	422614	0780748	036	003	SW		004	1969	1977	R	R		R	USGS	D
04130002	COLD CREEK AT HUME NY	422823	0780812	036	003	SW	40.60	004	1964	1976	A			A	USGS	D
04130002	RUSH CREEK AT FILLMORE NY	422754	0780547	036	003	SW	41.20	004	1964	1972	A			A	USGS	D
04130002	GENESEE RIVER AT PORTAGEVILLE NY	423413	0780233	036	121	SW	981.00		1964	1977	E	N		E	USGS	D
04130002	SUGAR CREEK NEAR CANASERAGA NY	423007	0774443	036	051	SW	19.20		1975	1979	M	R		M	USGS	D
04130002	CANASERAGA CREEK ABOVE DANSVILLE NY	423208	0774216	036	051	SW	90.00		1974	1977	M	R		M	USGS	D
04130002	STONY BROOK AT STONY BROOK STATE PARK NY	423120	0774122	036	051	SW	20.80		1974	1977	M	R		M	USGS	D
04130002	MILL CREEK AT PATCHINVILLE NY	423113	0773506	036	101	SW	5.00	004	1976	1977	M	Q			USGS	D
04130002	MILL CREEK AT PERKINSVILLE NY	423216	0773735	036	101	SW			1977	1977	N	R		N	USGS	D
04130002	MILL CREEK NEAR DANSVILLE NY	423216	0774023	036	051	SW	21.99	004	1976	1977	M	M			USGS	D
04130002	MILL CREEK AT DANSVILLE NY	423312	0774144	036	051	SW	35.90		1974	1977	Q	R		Q	USGS	D
04130002	CANASERAGA CREEK NEAR DANSVILLE NY	423340	0774255	036	051	SW	153.00		1954	1976	N	R		K	USGS	D
04130002	CANASERAGA CREEK AT GROVELAND NY	423940	0774607	036	051	SW	181.00		1959	1977	Q	R		Q	USGS	D
04130002	BRADNER CREEK NEAR DANSVILLE NY	423449	0774420	036	051	SW	7.45		1964	1977	Q	R		Q	USGS	D
04130002	WEST DITCH AT MOUTH NR SONYEA NY	424103	0774755	036	051	SW	16.52		1974	1977	N	R		N	USGS	D
04130002	KESHEQUA CREEK AT NUNDA NY	423519	0775514	036	051	SW	32.60		1974	1977	H	K		H	USGS	D
04130002	KESHEQUA CREEK AT TUSCARORA NY	423817	0775201	036	051	SW	58.60		1974	1977	K	A		K	USGS	D
04130002	KESHEQUA CREEK AT SONYEA NY	424050	0774945	036	051	SW	68.80		1954	1977	H	K		H	USGS	D
04130002	CANASERAGA CREEK AT SHAKERS CROSSING NY	424413	0775026	036	051	SW	333.00	014	1964	1977	E	R		E	USGS	D

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04130003	ERIE(BARGE)CANAL AT ST HWY 383 AT ROCHESTER	430723	0773845	036	055	SW			1972	1974	M	M			USGS	D
04130003	GENESEE RIVER AT JONES BRIDGE NR MOUNT MORRI	424600	0775021	036	051	SW	1417.00		1953	1977	E	A		E	USGS	D
04130003	LITTLE CONESUS CREEK NEAR SOUTH LIMA NY	425314	0774003	036	051	SW	7.39	004	1975	1976	H			H	USGS	D
04130003	LITTLE CONESUS CREEK NEAR EAST AVON NY	425334	0774105	036	051	SW	8.05		1975	1976	H			H	USGS	D
04130003	GENESEE RIVER AT AVON NY	425504	0774527	036	051	SW	1667.00		1964	1977	E	R		E	USGS	D
04130003	OATKA CREEK AT ROCK GLEN NY	424139	0780715	036	121	SW	16.00	004	1974	1977	M	K		H	USGS	D
04130003	OATKA CREEK AT WARSAW NY	424439	0780816	036	121	SW	41.90		1964	1977	M	K		M	USGS	D
04130003	OATKA CREEK AT PEARL CREEK NY	425054	0780337	036	121	SW	80.70		1974	1977	M	A		M	USGS	D
04130003	PEARL CREEK AT PEARL CREEK NY	425055	0780236	036	121	SW	10.90		1964	1978	M	K		M	USGS	D
04130003	OATKA CREEK NEAR PAVILION CENTER NY	425543	0780220	036	037	SW	111.00		1974	1977	H	R		H	USGS	D
04130003	MAD CREEK NEAR LE ROY NY	425847	0775700	036	037	SW	10.10		1974	1977	N	A		N	USGS	D
04130003	OATKA CREEK AT GARBUTT NY	430036	0774730	036	055	SW	204.00		1954	1977	E	A		E	USGS	D
04130003	GENESEE R AT BALLANTYNE BRIDGE NEAR MORTIMER	430526	0774052	036	055	SW	2206.00	014	1970	1974	A	A		A	USGS	D
04130003	SPRING CREEK AT PUMPKIN HILL NY	420537	0780400	036	037	SW	21.60	004	1964	1972	A			A	USGS	D
04130003	BLACK CREEK AT CHURCHVILLE, N.Y.	430602	0775257	036	055	SW	123.00	124	1954	1975	H	A		H	USGS	D
04130003	GENESEE RIVER AT ROCHESTER NY	431050	0773740	036	055	SW	2457.00		1953	1977	E	A		E	USGS	D
04130003	GENESEE RIVER(CHARLOTTE DOCKS)AT ROCHESTER N	431326	0773659	036	055	SW	2457.00		1969		K	K		K	USGS	D
04140101	042320502 IRONDE. C AT BRNCFT BLVD. ROCHESTE	430927	0773137	036	055	SW	142.00		1976		R	A		S	USGS	D
04140102	SANDY CREEK NEAR ADAMS, N. Y.	434848	0760430	036	045	SW	128.00	004	1964		H			H	USGS	D
04140202	EAST BRANCH FISH CREEK AT TABERG NY	431806	0753709	036	065	SW	188.00	024	1955	1972	O	O			USGS	D
04140202	COWASELON CREEK AT ONIONTOWN NY	430702	0754951	036	053	SW		004	1966	1974	A				USGS	D
04140202	SCRIBA CREEK NEAR CONSTANTIA, N.Y.	431535	0760011	036	075	SW	38.40	004	1966	1969	O				USGS	D
04140202	ONEIDA R BELOW TAINTOR DAM AT CAUGHDENOY NY	431620	0761220	036	075	SW	1382.00	004	1967	1969	E				USGS	P
04140203	OSWEGO RIVER AT LOCK 7 AT OSWEGO NY	432706	0763020	036	075	SW	5100.00		1957		H	H		H	USGS	D
04150101	BLACK RIVER AT WATERTOWN, NY	435908	0755530	036	045	SW	1876.00	124	1954		M	M		M	USGS	D
04150301	ST LAWRENCE R AT CORNWALL ONT NR MASSENA, NY	450022	0744743	036	089	SW	299000.00	014	1955		E	E		E	USGS	D
04150302	OSWEGATCHIE RIVER NEAR HEUVELTON, N.Y.	443558	0752245	036	089	SW	973.00	014	1954		H			H	USGS	D
04150306	ST REGIS RIVER AT BRASHER CENTER NY	445149	0744645	036	089	SW	616.00	014	1955		H	H		H	USGS	D

OHIO REGION 05

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
05001900	OHIO R AT MARKLAND DAM KY			021	007	SW			1977		M	M	M		USGS	P
05010001	TURNIP RUN 3NNE WESTLINE PA B1	414856	0784502	042	083	SW			1974	1975	A				USFS	D
05010001	WEST BR AT BRADFORD PA	415616	0784040	042	083	SW			1979		Z			Z	USGS	D
05010001	WILLOW C AT WILLOW BAY RECREATION AREA PA	405901	0785403	042	083	SW			1979		Z			Z	USGS	D
05010001	BROWNS RUN AT WARREN, PA.	414921	0790633	042	123	SW	24.10	004	1970		Z			Z	USGS	D
05010001	BROKENSTRAW CREEK AT YOUNGSVILLE, PA.	415109	0791903	042	123	SW	321.00	004	1957		2	E		2	USGS	D
05010002	CONEWANGO C 61035 BRDG	415617	0790800	042	123	SW			1962		M				PA001	P
05010003	OIL CR AT CENTERVILLE, PA.	414438	0794636	042	039	SW			1974	1975	A			A	USGS	D
05010003	BRITTON RUN AT GLYDEN, PA.	414628	0794348	042	039	SW			1974	1975	A			A	USGS	D
05010003	OIL CR NR HYDETOWN, PA.	413959	0794511	042	039	SW			1974	1975	A			A	USGS	D
05010003	SHIRLEY RUN NR BUELL CORNERS, PA.	414211	0793955	042	039	SW			1974	1975	A			A	USGS	D
05010003	MCLAUGHLIN CR AT HYDETOWN, PA.	414018	0794248	042	039	SW			1974	1975	A			A	USGS	D
05010003	OIL CR AT TITUSVILLE, PA.	413746	0794210	042	039	SW			1974	1975	A			A	USGS	D
05010003	OIL CR AT TITUSVILLE, PA.	413725	0793957	042	039	SW			1974	1975	A			A	USGS	D
05010003	CHURCH RUN AT TITUSVILLE, PA.	413811	0794031	042	039	SW			1974	1975	A			A	USGS	D
05010003	OIL CREEK AT ROUSEVILLE, PA.	412854	0794144	042	121	SW	300.00	004	1930	1975	2	E		2	USGS	D
05010004	FRENCH C AT T 700 BRDG	415723	0795238	042	049	SW			1962		Q				PA001	P
05010004	WOODCOCK C AT BLOOMING VALLEY, PA.	414126	0800254	042	039	SW	31.10	004	1979		Z			Z	USGS	D
05010004	FRENCH CREEK AT UTICA, PA.	412615	0795722	042	121	SW	1028.00	004	1937		2	E		2	USGS	D
05010004	SUGAR CREEK AT SUGARCREEK, PA.	412543	0795248	042	121	SW	166.00	004	1968	1973	4	A		4	USGS	D
05010004	PATCHEL RUN NEAR FRANKLIN, PA.	412520	0795059	042	121	SW	5.69	004	1979		Z			Z	USGS	D
05010005	MUDDY FORK-BLO DAM6 4SE MARIENVL	412630	0790330	042	047	SW			1975	1975	A				USFS	D
05010005	MUDDY FORK AT MOUTH-6SE MARIENVL	412540	0790200	042	047	SW			1975		A				USFS	D
05010005	WILSON RN AT DAHOGA, PA	413556	0784335	042	047	SW		004	1972		Z			Z	USGS	D
05010005	CLARION RIVER AT COOKSBURG, PA.	411950	0791233	042	065	SW	807.00	014	1934		2	E		2	USGS	D
05010006	HALING RN AT VAN BUREN, PA	405859	0793430	042	005	SW			1979		Z			Z	USGS	D
05010006	REDBANK CREEK AT ST. CHARLES, PA.	405940	0792340	042	005	SW	528.00	004	1963		O	E		O	USGS	D
05010006	EB MAHONING C NR BIG RUN, PA	405749	0785058	042	065	SW	29.60		1979		I	Z		I	USGS	
05010006	LITTLE MAHONING CREEK AT MCCORMICK, PA.	405010	0790637	042	063	SW	87.40	004	1979		Z			Z	USGS	D
05010007	STONY CREEK AT FERNDALE, PA.	401737	0785508	042	021	SW	451.00	124	1959		W			W	USGS	D
05010008	LOYALHANNA CREEK AT KINGSTON, PA.	401733	0792027	042	129	SW	172.00	124	1963	1978	W	E		W	USGS	D
05010009	ALLEGHENY R AT NEW KENSINGTON, PA.	403352	0794622	042	003	SW	11500.00	004	1972		O	A		O	USGS	D
05020001	ROARING CREEK AT NORTON W VA	385605	0795700	054	083	SW	29.20	004	1965		2	K		2	USGS	D
05020001	GRASSY RUN AT NORTON W VA	385610	0795740	054	083	SW	2.86	004	1963		2	R		2	USGS	D

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05020001	TYGART VALLEY RIVER AT PHILIPPI, W. VA.	390900	0800225	054	001	SW	916.00		1960	1972	Q			Q	USGS	D
05020001	TAYLOR RUN NEAR ALPENA, WV	385524	0794012	054	083	SW	1.06		1979		R			A	USGS	D
05020001	STALNAKER RUN NEAR BOWDEN, WV	385502	0794111	054	083	SW	1.55		1978		R			A	USGS	D
05020002	SALEM F SUBWATERSHED #11A VARNER H NR SALEM,	391825	0803425	054	033	SW	.29	014	1954	1975	2	Q		2	USGS	D
05020002	SALEM FORK AT SALEM, W. VA.	391710	0803235	054	033	SW	8.32	014	1954	1975	4	Q		4	USGS	D
05020004	BIG SANDY CREEK AT ROUTE 40	395048	0793822	042	051	SW			1977		N				PA001	D
05020004	BIG SANDY CR AT WHARTON FURNACE	394744	0793704	042	051	SW			1977		N				PA001	D
05020004	BIG SANDY CREEK AT ELLIOTSVILLE	394744	0793704	042	051	SW			1977		N				PA001	D
05020004	STONY FORK AT CAMP RAIMO	394651	0793433	042	051	SW			1977		K				PA001	D
05020004	STONY FORK NEAR BETHEL CHAPEL	394654	0793500	042	051	SW			1977		K				PA001	D
05020004	STONY FORK AT BAUER ESTATE	394630	0793546	042	051	SW			1977		K				PA001	D
05020004	STONY FORK NEAR ELLIOTSVILLE	394609	0793634	042	051	SW			1977		N				PA001	D
05020004	STONY FORK AT MOUTH	394559	0793728	042	051	SW			1977		N				PA001	D
05020004	STONY FORK TRIB NR GIBBON GLADE	394549	0793516	042	051	SW			1977		K				PA001	D
05020004	STONY FORK TRIB BELOW STATION 67	394624	0793454	042	051	SW			1977		K				PA001	D
05020004	STONY FORK TRIB NORTH OF DELTA	394648	0793539	042	051	SW			1977		R				PA001	D
05020004	STONY FORK TRIB SOUTH OF DELTA	394631	0793601	042	051	SW			1977		R				PA001	D
05020004	LITTLE SANDY CR AT BEAVER BRIDGE	394403	0793704	042	051	SW			1977		N				PA001	D
05020004	CHEAT RIVER-4	392100	0794005	054	077	SW			1970		Y				USCE	C
05020004	RED RUN AT MOUTH	390200	0793530	054	093	SW			1970		A				USFS	D
05020004	MILL RUN 4.3 MI EAST ELKINS	385512	0794130	054	083	SW			1974		E				USFS	D
05020004	MILL RUN 4.4 MI EAST ELKIKNS	385507	0794127	054	083	SW			1974		E				USFS	D
05020004	RICH CHAMP 493 MI EAST ELKINS	385517	0794126	054	083	SW			1974		E				USFS	D
05020004	RICH CHAMP RUN 4.4 MI E ELKINS	385518	0794119	054	083	SW			1974		E				USFS	D
05020004	STALNAKER RUN 4.4 MI EAST ELKINS	385522	0794124	054	083	SW			1974		E				USFS	D
05020004	TAYLOR RUN 9.5 MI EAST ELKINS	385552	0793956	054	083	SW			1974		E				USFS	D
05020004	SHAVERS FORK 21 MI SOUTH ELKINS	383700	0795210	054	083	SW			1975		R				USFS	D
05020004	SHAVERS FK 9 MI SE ELKINS W.VA.	384841	0794417	054	083	SW			1975		A				USFS	D
05020004	SHAVERS FORK AT BEMIS, W. VA.	384827	0794416	054	083	SW	115.00	004	1975		K				USGS	D
05020004	SHAVERS FORK ABOVE BOWDEN, W. VA.	385410	0794141	054	083	SW	138.00		1974		O			O	USGS	D
05020004	TAYLOR RUN AT BOWDEN W VA	385427	0794149	054	083	SW	5.06		1973		O			O	USGS	D
05020004	SHAVERS FORK BELOW BOWDEN, W. VA.	385447	0794614	054	083	SW	151.00		1972		O	E		O	USGS	D
05020004	SHAVERS FORK NR ELKINS, W. VA.	385758	0794602	054	083	SW	161.00		1975		N			A	USGS	D
05020004	CHEAT RIVER AT ROWLESBURG, W. VA.	392050	0794000	054	077	SW	972.00		1968	1974	M	A			USGS	D

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05020004	STONY FORK AT CAMP RIAMO, PA (42)	394651	0793431	042	051	SW	2.50		1978		A			A	USGS	D
05020004	STONY FORK TRIB NR GIBBON GLADE, PA (67)	394551	0793514	042	051	SW	.93		1977		O			O	USGS	D
05020004	STONY FORK TRIB NR GIBBON GLADE, PA (67)	394551	0793516	042	051	SW	.93		1976		Q			R	USGS	D
05020004	STONY FORK TRIB (BELOW GRANBAY SITE), PA (68	394624	0793454	042	051	SW			1978		K			K	USGS	D
05020004	STONY FORK AT BETHEL CHAPEL, PA (44)	394654	0793500	042	051	SW	4.85		1978		A			A	USGS	D
05020004	STONY FORK TRIB #4 (N OF DELTA SITE), PA (73	394648	0793538	042	051	SW	.54		1978		A			A	USGS	D
05020004	STONY FORK AT BAUER ESTATE, PA (47)	394627	0793546	042	051	SW	6.45		1978		A			A	USGS	D
05020004	STONY FORK TRIB #5 (S OF DELTA SITE), PA (75	394631	0793601	042	051	SW			1978		N			N	USGS	D
05020004	STONY FORK NEAR ELLIOTTSVILLE, PA (51)	394608	0793634	042	051	SW	7.44		1977		W			O	USGS	D
05020004	STONY FORK NEAR ELLIOTTSVILLE, PA (51)	394610	0793634	042	051	SW	7.44		1976		O				USGS	D
05020004	STONY FORK AT MOUTH AT ELLIOTTSVILLE, PA (52	394559	0793728	042	051	SW			1978		N			A	USGS	D
05020004	LITTLE SANDY CREEK NR MOUTH, PA (101)	394403	0793704	042	051	SW			1978		N			N	USGS	D
05020005	SOUTH FORK TENMILE CREEK AT JEFFERSON, PA.	395523	0800422	042	059	SW	180.00	004	1925		4	E		4	USGS	D
05020005	DUNLAP CR NR NEW SALEM, PA.	395535	0794749	042	051	SW			1974	1975	A			A	USGS	D
05020005	DUNLAP CR AT NEW SALEM, PA.	395504	0794850	042	051	SW			1974	1975	A			A	USGS	D
05020005	MONONGAHELA RIVER AT BRADDOCK, PA.	402419	0795253	042	003	SW	7337.00	124	1958		O	H		O	USGS	D
05020006	YOUGHIOGHENY RIVER AT FRIENDSVILLE, MD.	393913	0792431	024	023	SW	295.00	014	1962		A	A		A	USGS	D
05020006	CASSELMAN RIVER AT GRANTSVILLE, MD.	394208	0790812	024	023	SW	62.50	004	1964		R	R		A	USGS	D
05020006	MIDDLE C NR CASSELMAN, PA	395404	0791232	042	111	SW	19.60	004	1979		Z			Z	USGS	D
05020006	CASSELMAN RIVER AT MARKLETON, PA.	395135	0791340	042	111	SW	382.00	004	1925		E	E		E	USGS	D
05020006	LAUREL HILL CREEK AT URSINA, PA.	394913	0791918	042	111	SW	121.00	004	1925		A			A	USGS	D
05030101	LITTLE CHARTIERS C AT LINDEN, PA	401414	0800820	042	125	SW	37.00	004	1979		Z			Z	USGS	D
05030101	OHIO RIVER AT SEWICKLEY, PA.	403153	0801121	042	003	SW	19500.00	014	1954		E			E	USGS	D
05030101	L BEAVER C NR EAST LIVERPOOL OH	404033	0803227	039	029	SW	496.00	004	1964	1979	E	E		E	USGS	D
05030101	YELLOW C NR HAMMONDSVILLE OH	403216	0804331	039	081	SW	147.00	004	1964		E	E		E	USGS	D
05030101	KINGS CREEK AT WEIRTON,W.VA.	402608	0803534	054	029	SW	49.00		1976		K			K	USGS	D
05030101	HARMON CR NR BURGETTSTOWN, PA.	402245	0802609	042	125	SW			1974	1974	A			A	USGS	D
05030101	HARMON CR AT HANLIN STATION, PA.	402209	0802801	042	125	SW			1974	1974	A			A	USGS	D
05030101	HARMON C NR HANLIN STATION, PA	402156	0803034	042	125	SW			1974		A			A	USGS	D
05030101	HARMON CR AT W. VA. - PA. STATE LINE	402208	0803110	042	125	SW			1974	1974	A			A	USGS	D
05030101	CROSS C NR AVELLA PA	401504	0802449	042	125	SW			1979		Z			Z	USGS	D
05030101	N FK CROSS C AT AVELLA PA	401638	0802741	042	125	SW			1979		Z			Z	USGS	D
05030102	LITTLE SHENANGO RIVER AT GREENVILLE, PA.	402519	0802235	042	085	SW	104.00	004	1930		K			K	USGS	D
05030102	L NESHANNOCK C NR NESHANNOCK FALLS PA	410521	0801858	042	073	SW			1979		Z			Z	USGS	D

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05030104	BEAVER RIVER AT WAMPUM, PA.	405319	0802014	042	073	SW	2235.00	014	1970		E	E		E	USGS	D
05030104	BEAVER RIVER AT BEAVER FALLS, PA.	404548	0801855	042	007	SW	3106.00	014	1929		E			E	USGS	D
05030105	CONNOQUENESSING CREEK NR ZELIENOPLE, PA.	404901	0801433	042	007	SW	356.00	004	1970		E	E		E	USGS	D
05030105	SLIPPERY ROCK CREEK AT WURTEMBURG, PA.	405302	0801402	042	073	SW	398.00	014	1928		E	E		E	USGS	D
05030106	SHORT C NR DILLONVALE OH	401136	0804404	039	081	SW	123.00	004	1964		E	E		E	USGS	D
05030106	OHIO RIVER AT BENWOOD NEAR WHEELING, WV	400054	0804420	054	051	SW	25070.00	014	1978		N	N		A	USGS	D
05030106	LITTLE GRAVE CREEK AT MOUNDSVILLE,WV	395545	0804454	054	051	SW	11.90		1977		N			N	USGS	D
05030106	PAR RUN AT MOUNDSVILLE,WV	395535	0804434	054	051	SW	1.30		1977		N			N	USGS	D
05030106	MIDDLE GRAVE CREEK AT MOUNDSVILLE,WV	395446	0804343	054	051	SW	28.60		1977		N			N	USGS	D
05030106	CAPTINA C AT ARMSTRONGS MILLS OH	395431	0805527	039	013	SW	134.00	004	1964		E	E		E	USGS	D
05030201	MIDDLE ISLAND CREEK AT LITTLE, W. VA.	392830	0805950	054	095	SW	458.00	004	1960	1972	Q			Q	USGS	D
05030201	L MUSKINGUM R AT BLOOMFIELD OH	393347	0811214	039	167	SW	210.00	004	1964		E	E		E	USGS	D
05030202	SHADE R NR CHESTER OH	390349	0815255	039	105	SW	156.00	004	1965		E	E		E	USGS	D
05030203	LITTLE KANAWHA RIVER AT GRANTSVILLE, W. VA.	385520	0810550	054	013	SW	913.00		1968	1974	M				USGS	D
05030203	LITTLE KANAWHA RIVER AT PALESTINE, W. VA.	390335	0812325	054	105	SW	1515.00		1960		M			M	USGS	D
05030203	SOAK CREEK NEAR SOPHIA, W. VA.	374227	0811500	054	081	SW	3.96		1978		K			K	USGS	D
05030204	N B HUNTERS RN NR HOOKER OH	394250	0824213	039	045	SW	1.04	004	1956	1975	O	M			USGS	P
05030204	HOCKING R AT ATHENS OH	391944	0820516	039	009	SW	943.00	014	1953	1974	2	E		2	USGS	D
05030204	TARHE RN AT MILL RD NR LANCASTER OH	394111	0823641	039	045	SW		004	1980					Y	USGS	
05030204	EWING RN AT RAINBOW RD NR LANCASTER OH	394512	0823348	039	045	SW	12.98	004	1980					Y	USGS	
05030204	FETTERS RN AT RAINBOW RD NR LANCASTER OH	394515	0823519	039	045	SW	6.55	004	1980					Y	USGS	
05040001	CHIPPEWA C AT EASTON OH	405647	0814435	039	169	SW	146.00	004	1965		E	E		E	USGS	D
05040001	SANDY C AT WAYNESBURG OH	404021	0811536	039	151	SW	253.00	004	1964		E	E		E	USGS	D
05040001	SUGAR C AB BEACH CITY DAM AT BEACH CITY OH	403924	0813437	039	151	SW	160.00	004	1965	1975	E	E	E		USGS	D
05040003	KOKOSING R AT MILLWOOD OH	402351	0821709	039	083	SW	455.00	004	1965	1974	K	S		K	USGS	D
05040003	KILLBUCK C AT KILLBUCK OH	402853	0815910	039	075	SW	464.00	004	1961		2	E		2	USGS	D
05040004	WAKATOMIKA C NR FRAZEYSBURG OH	400757	0820853	039	119	SW	140.00	004	1965		E	E		E	USGS	D
05040004	MUSKINGUM R AT DRESDEN OH	400713	0815959	039	119	SW	5993.00	014	1951		2	E		2	USGS	D
05040004	MUSKINGUM R AT MCCONNELSVILLE OH	393842	0815100	039	115	SW	7422.00	014	1949		H			H	USGS	D
05040006	N F LICKING R AT UTICA OH	401341	0822706	039	089	SW	116.00	004	1969		E	E		E	USGS	D
05050001	SOUTH FORK NEW RIVER NEAR JEFFERSON, N. C.	362340	0812427	037	009	SW	207.00	004	1948	1979	R			R	USGS	D
05050001	GLADE CREEK AT GRAHAMS FORGE, VA.	365551	0805402	051	197	SW	7.15		1976	1978	A				USGS	D
05050001	NEW RIVER AT ALLISONIA, VA.	365615	0804445	051	155	SW	2202.00	004	1930		Q				USGS	D
05050002	NEW R AT EGGLESTON VA	371722	0803701	051	071	SW	2941.00		1930		A				USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
05050002	NEW RIVER AT GLEN LYN, VA	372220	0805145	051	071	SW	3768.00	014	1930		N	N		A	USGS	D
05050003		381703	0800729	054	075	SW			1979		A				USFS	D
05050003	PRECIP MARLINTON	381300	0800255	054	075	SW			1974		A				USFS	D
05050003	GREENBRIER RIVER AT HILLDALE, W. VA.	373825	0804820	054	089	SW	1625.00	004	1968	1974	M				USGS	D
05050003	POND FORK AT MADISON, W. VA.	381115	0800750	054	005	SW	137.00	004	1972		M				USGS	P
05050004	CRAB ORCHARD CREEK AT CRAB ORCHARD, WV	374431	0811347	054	081	SW	2.84		1978		A			A	USGS	D
05050004	PINEY CREEK AT RALEIGH, W. VA.	374540	0810950	054	089	SW	52.20		1965		A				USGS	D
05050004	BEAVER CREEK AT BEAVER, WV	374514	0810858	054	081	SW	25.50		1978		A			A	USGS	D
05050004	LITTLE WHITESTICK CR AT BECKLEY, W. VA.	374723	0811021	054	081	SW	4.57		1976		K			K	USGS	D
05050004	CRANBERRY CREEK AT BECKLEY W. VA.	374742	0811022	054	081	SW	6.58		1976		K			K	USGS	D
05050005	9 MILES NW MARLINTON W.VA.	382015	0800943	054	075	SW			1976		R				USFS	D
05050005	LITTLE LAUREL 10MI NW MARLINTON	382109	0801221	054	075	SW			1976		S				USFS	D
05050005	HAMRICK RUN AT MOUTH	381330	0802400	054	025	SW			1970		E				USFS	D
05050005	GAULEY RIVER NEAR CRAIGSVILLE, W. VA.	381730	0803830	054	067	SW	528.00		1966		Q			Q	USGS	D
05050007	8 MILES NNW MARLINTON W.VA.	381954	0800810	054	075	SW			1974		A				USFS	D
05050007	8 MILES NNW MARLINTON W.VA.	381949	0800739	054	075	SW			1974		A				USFS	D
05050007	7 MILES NNW MARLINTON W.VA.	381955	0800715	054	075	SW			1974		A				USFS	D
05050007	7 MILES NNW MARLINTON W.VA.	381927	0800607	054	075	SW			1974		A				USFS	D
05050007	6 MILES NNW MARLINTON W.VA.	381848	0800600	054	075	SW			1976		R				USFS	D
05050007	ELK RIVER BELOW WEBSTER SPRINGS, W. VA.	383550	0802925	054	101	SW	268.00		1968		E			E	USGS	D
05050008	KANAWHA RIVER AT WINFIELD, W.VA.	383132	0815440	054	079	SW	11809.00		1955		E	E		E	USGS	D
05050009	CLEAR FORK AT WHITESVILLE, W. VA.	375808	0813155	054	081	SW	62.80	004	1972		M				USGS	P
05050009	BIG COAL R NR SETH WV	380551	0813654	054	005	SW	280.00	004	1972	1974	M				USGS	P
05050009	LAUREL CR AT SETH WV	380610	0813750	054	005	SW	49.20	004	1972	1974	M				USGS	P
05050009	BIG COAL RIVER NEAR ALUM CREEK,	381500	0814754	054	039	SW	442.00	004	1974		O			O	USGS	D
05050009	LITTLE COAL RIVER AT DANVILLE, W. VA.	380345	0815015	054	005	SW	270.00		1960		O			O	USGS	D
05050009	ROCK CREEK NEAR DANVILLE WV	380601	0814948	054	005	SW	12.20		1979		A			A	USGS	D
05050009	LITTLE COAL RIVER AT JULIAN, W. VA.	380917	0815110	054	005	SW	319.00		1973		O			O	USGS	D
05050009	COAL RIVER AT ALUM CREEK, W. VA.	381711	0814825	054	043	SW	835.00		1973		O			O	USGS	D
05050009	COAL RIVER AT TORNADO, W. VA.	382020	0815029	054	039	SW	861.00	004	1966		O			O	USGS	D
05050009	037.0 ROCKHOUSE CREEK AT MAN, W. VA.	374345	0815239	054	045	SW			1975		A			A	USGS	D
05060001	SCIOTO R NR PROSPECT OH	402510	0831150	039	041	SW	567.00	004	1951		2			2	USGS	D
05060001	OLENTANGY R AT CLARIDON OH	403458	0825920	039	101	SW	157.00	004	1965		E	E		E	USGS	D
05060001	OLENTANGY R NR WORTHINGTON OH	400637	0830155	039	049	SW	497.00	014	1954		E			E	USGS	D

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05060001	BIG WALNUT C AT CENTRAL COLLEGE OH	400613	0825303	039	049	SW	190.00	014	1950		2			2	USGS	D
05060001	ALUM C AT AFRICA OH	401056	0825742	039	041	SW	122.00	004	1964		E	E		E	USGS	D
05060001	ALUM C AT COLUMBUS OH	395642	0825628	039	049	SW	189.00	003	1959		2	E		2	USGS	D
05060001	BIG DARBY C AT DARBYVILLE OH	394202	0830637	039	129	SW	534.00	004	1964		E	E		E	USGS	D
05060002	DEER C AT MOUNT STERLING OH	394254	0831526	039	097	SW	228.00	004	1967		E	E		E	USGS	D
05060002	SCIOTO R AT HIGBY OH	391244	0825150	039	141	SW	5131.00	014	1952		2	E		2	USGS	D
05060003	PAINT C NR GREENFIELD OH	392245	0832232	039	047	SW	249.00	004	1966		E	E		E	USGS	D
05060003	PAINT C NR BOURNEVILLE OH	391549	0831001	039	141	SW	807.00	014	1955		2			2	USGS	D
05070101	ALLEN CREEK AT ALLEN JUNCTION, WV	373527	0812054	054	109	SW	8.69		1977		R	A		R	USGS	D
05070101	ALLEN CREEK AT ALLEN JUNCTION, WV	373533	0812048	054	109	SW	8.43		1977		O			O	USGS	D
05070101	MARSH FORK AT MABEN, WV	373819	0812338	054	109	SW	4.85		1977		O			O	USGS	D
05070101	STILL RUN AT ITMANN, WV	373451	0812542	054	109	SW	7.12		1977		O	A		O	USGS	D
05070101	BEARHOLE FORK AT PINEVILLE, WV	373516	0813112	054	109	SW	6.27		1977		O			O	USGS	D
05070101	GUYANDOTTE RIVER NEAR BAILEYSVILLE, W. VA.	373615	0813844	054	109	SW	308.00		1970		O			O	USGS	D
05070101	INDIAN CREEK AT FANROCK W. VA.	373400	0813910	054	109	SW	40.70		1973		O			O	USGS	D
05070101	MILAM FORK AT MCGRAWS, WV	374044	0812819	054	109	SW	6.14		1977		K			K	USGS	D
05070101	MILAM FORK AT MCGRAWS, WV	374048	0812827	054	109	SW	6.64		1977		N			R	USGS	D
05070101	CLEAR FORK AT CLEAR FORK, W. VA.	373726	0814213	054	109	SW	124.00		1973		O			O	USGS	D
05070101	CLEAR FORK NEAR CLEAR FORK WV	373726	0814213	054	109	SW	124.00		1978	1979	A			A	USGS	D
05070101	BUFFALO CREEK AT MAN, W.VA.	374434	0815227	054	045	SW			1975		A			A	USGS	D
05070101	GUYANDOTTE RIVER AT LOGAN, W. VA.	375010	0815950	054	045	SW	836.00		1971		E			E	USGS	D
05070101	ISLAND CREEK AT LOGAN, W. VA.	375050	0820030	054	045	SW	103.00		1974		W			W	USGS	D
05070101	028.0 LITTLE HUFF CREEK NEAR HANOVER, W. VA.	373303	0814709	054	109	SW			1975		A			A	USGS	D
05070101	008.0 BARKERS CREEK AT TRALEE, W. VA.	373322	0812403	054	109	SW			1975		A			A	USGS	D
05070101	009.1 CABIN CR AT JOE BRANCH W VA	373423	0812744	054	109	SW			1975		E				USGS	D
05070101	006.0 SLAB FORK AT MULLENS, W. VA.	373455	0812255	054	109	SW			1975		A			A	USGS	D
05070101	031.0 LITTLE HUFF CREEK AT JUSTICE, W. VA.	373539	0814943	054	109	SW			1975		E			E	USGS	D
05070101	001.0 DEVILS FORK AT AMIGO, W. VA.	373549	0811914	054	081	SW			1975		A			A	USGS	D
05070101	026.0 BIG CUB CREEK NEAR CUB CITY, W. VA.	373702	0814724	054	109	SW			1974		A			A	USGS	D
05070101	035.0 ELK CREEK AT WYLO, W. VA.	374034	0815050	054	045	SW			1975		A			A	USGS	D
05070101	036.0 SANDLICK CREEK AT BRUNO, W. VA.	374127	0815209	054	045	SW			1975		E				USGS	D
05070101	024.0 CLEAR FORK AT OCEANA, W. VA.	374153	0813818	054	109	SW			1975		E				USGS	D
05070101	041.0 HUFF CREEK NEAR MAN, W. VA.	374348	0815222	054	045	SW			1975		A			A	USGS	D
05070101	045.0 RIGHT FORK AT ACCOVILLE, W. VA.	374602	0815002	054	045	SW			1975		E			E	USGS	D

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05070101	049.0 RICH CR AT EARLING, W. VA.	374606	0815536	054	045	SW			1975		A			A	USGS	D
05070101	045.0 BUFFALO CR AT ACCOVILLE, W. VA.	374607	0815018	054	045	SW			1975		E			E	USGS	D
05070101	050.0 RUM CR AT DABNEY, W. VA.	374848	0815610	054	045	SW			1975		A			A	USGS	D
05070101	051.0 DINGESS RUN AT STOLLINGS, W. VA.	375011	0815755	054	045	SW			1975		A			A	USGS	D
05070101	059.0 ISLAND CREEK AT MOUNT GAY, W. VA.	375041	0820036	054	045	SW			1975		A			A	USGS	D
05070102	GUYANDOTTE RIVER AT BRANCHLAND, W. VA.	381315	0821210	054	043	SW	1226.00	004	1960		E			E	USGS	D
05070102	MUD RIVER AT PALERMO, W. VA.	381010	0820330	054	043	SW			1974		A			A	USGS	D
05070102	MUD RIVER NEAR MILTON, W. VA.	382315	0820646	054	011	SW	256.00	004	1975		E			E	USGS	D
05070102	MUD RIVER AT BARBOURSVILLE W.VA.	382458	0821742	054	011	SW			1974		A			A	USGS	D
05070102	068.0 CROOKED CR AT CROOKED CREEK, W. VA.	375244	0815909	054	045	SW			1975		A			A	USGS	D
05070102	069.0 BUFFALO CR AT HENLAWSON, W. VA.	375347	0815940	054	045	SW			1975		A			A	USGS	D
05070102	070.0 MILL CR AT PECKS MILL, W. VA.	375549	0815849	054	045	SW			1975		A			A	USGS	D
05070102	076.0 BUCK FORK NEAR HARTS, W. VA.	375755	0820828	054	045	SW			1975		E			E	USGS	D
05070102	071.0 CRAWLEY CR AT CHAPMANVILLE, W. VA.	375809	0820218	054	045	SW			1975		A			A	USGS	D
05070102	077.0 BIG HARTS CREEK NEAR HARTS, W. VA.	375837	0820825	054	045	SW			1975		E			E	USGS	D
05070102	078.0 SMOKEHOUSE FORK NEAR HARTS, W. VA.	375840	0820823	054	045	SW			1975		E			E	USGS	D
05070102	075.0 BIG CR AT BIG CREEK, W. VA.	380016	0820228	054	045	SW			1975		A			A	USGS	D
05070102	080.0 BIG HARTS CREEK AT HARTS, W. VA.	380133	0820753	054	043	SW			1975		A			A	USGS	D
05070102	081.0 GUYANDOTTE RIVER AT HARTS, W. VA.	380146	0820751	054	043	SW			1975		A			A	USGS	D
05070102	082.0 LITTLE HARTS CREEK AT ATENVILLE, W. VA	380248	0820833	054	043	SW			1975		A			A	USGS	D
05070102	085.0 BIG UGLY CREEK AT GILL, W. VA.	380454	0820733	054	043	SW			1975		A			A	USGS	D
05070102	104.1 MUD RIVER AT MUD, W. VA.	380532	0815805	054	043	SW			1975		A			A	USGS	D
05070102	086.0 FOURTEENMILE CREEK NEAR RANGER, W. VA.	380559	0821057	054	043	SW			1975		A			A	USGS	D
05070102	088.0 FOURTEENMILE CREEK AT RANGER, W. VA.	380647	0821054	054	043	SW			1975		A			A	USGS	D
05070102	089.0 TENMILE CREEK NEAR MIDKIFF, W. VA.	380927	0821037	054	043	SW			1975		A			A	USGS	D
05070102	090.0 NINEMILE CREEK AT MIDKIFF, W. VA.	381037	0821015	054	043	SW			1975		A			A	USGS	D
05070102	093.0 FOURMILE CREEK AT BRANCHLAND, W. VA.	381312	0821211	054	043	SW			1975		A			A	USGS	D
05070102	095.0 FALLS CREEK NEAR WEST HAMLIN, W. VA.	381554	0821224	054	043	SW			1975		A			A	USGS	D
05070102	110.0 MUD RIVER AT HAMLIN, W. VA.	381625	0820616	054	043	SW			1975		A			A	USGS	D
05070102	096.0 TWOMILE CREEK AT WEST HAMLIN, W. VA.	381712	0821135	054	043	SW			1975		A				USGS	D
05070102	098.0 MADISON CREEK NEAR SALT ROCK, W. VA.	381755	0821250	054	011	SW			1975		A			A	USGS	D
05070102	097.0 BEAR CREEK NEAR WEST HAMLIN, W. VA.	381823	0821158	054	043	SW			1975		A			A	USGS	D
05070102	100.0 SMITH CREEK AT SARAH, W. VA.	381955	0821429	054	011	SW			1975		A			A	USGS	D
05070102	099.0 TRACE CREEK AT SALT ROCK, W. VA.	382003	0821259	054	011	SW			1975		A			A	USGS	D

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05070102	101.0 MERRITT CREEK AT SARAH, W. VA.	382005	0821551	054	011	SW			1975		A			A	USGS	D
05070102	102.0 HEATH CREEK NEAR SARAH, W. VA.	382104	0821727	054	011	SW			1975		A			A	USGS	D
05070102	103.0 MILL CREEK AT MARTHA, W. VA.	382259	0821703	054	011	SW			1975		A			A	USGS	D
05070201	TUG FORK NR KERMIT	375016	0822435	021	159	SW			1977		M				KY001	
05070201	TUG FORK STATE LINE	373310	0820600	021	195	SW			1977		M				KY001	
05070201	MILLERS CREEK NEAR PHYLLIS,KY.	372519	0821953	021	195	SW	1.68	004	1973	1979	2	E		2	USGS	D
05070201	PIGEON CREEK NR LENORE, W. VA.	374713	0821544	054	047	SW	93.90		1979		K			K	USGS	D
05070201	TUG FORK AT GLENHAYES WV	380020	0823053	054	099	SW	1507.00		1976		O			O	USGS	D
05070201	BIG SANDY R AT LOUISA, KY	381016	0823805	021	127	SW	3892.00	014	1949		E	E		E	USGS	D
05070202	FISHTRAP LK HEADWATERS	372545	0821607	021	195	SW			1977		M				KY001	
05070202	LEVISA FORK AT BIG ROCK VA	372113	0821145	051	027	SW	297.00	004	1968		O	A		O	USGS	D
05070202	CONAWAY CREEK AT CONAWAY, VA.	372045	0821229	051	027	SW	7.40	004	1974		X	A		X	USGS	D
05070202	CARD CREEK AT MOUTHCARD,KY.	372254	0821530	021	195	SW	4.18	004	1974	1979	X	R		X	USGS	D
05070202	FEDS CR AT FEDS CREEK,KY.	372407	0821438	021	195	SW	11.60	004	1972	1979	X	E		O	USGS	D
05070202	BIG CREEK AT DUNLAP,KY.	372543	0821452	021	195	SW	9.55	004	1974	1979	W	A		W	USGS	D
05070202	ISLAND CREEK NEAR PHYLLIS,KY.	372523	0821817	021	195	SW	2.42	004	1974	1979	X	E		X	USGS	D
05070202	LICK CR.AT LICK CREEK,KY.	372344	0821808	021	195	SW	6.70	004	1972	1979	W	A		W	USGS	D
05070202	DICKS FORK AT PHYLLIS, KY.	372657	0822016	021	195	SW	.82	004	1974		O	A		O	USGS	D
05070202	GRAPEVINE CREEK NR PHYLLIS, KY	372557	0822114	021	195	SW	6.20	004	1972		E	A		O	USGS	D
05070202	LEVISA FORK BELOW FISHTRAP DAM, KY	372458	0822515	021	195	SW	393.00	014	1965		E	E		E	USGS	D
05070202	RUSSELL FK AT ELKHORN CITY	371814	0822035	021	195	SW	554.00	014	1960		S			S	USGS	D
05070202	ELKHORN CR NR ELKHORN CREEK	371630	0822245	021	195	SW	48.80	004	1978	1979	R			R	USGS	D
05070202	SHELBY CREEK AT DORTON, KY.	371638	0823444	021	195	SW	12.60	004	1978	1979	R			R	USGS	D
05070202	SHELBY CREEK AT SHELBIANA KY	372524	0822957	021	195	SW	112.00	004	1965	1979	A			A	USGS	D
05070202	LITTLE HACKNEY CREEK AT MOUTHCARD	372210	0821449	021	195	SW			1977	1979	R			R	USGS	D
05070202	CROOKED BRANCH NR FEDSCREEK	372410	0821525	021	195	SW			1977	1979	R			R	USGS	D
05070202	FEDS HOLLOW NR PHYLLIS, KY	372609	0822051	021	195	SW			1977		A			A	USGS	D
05070202	HUNTERS CR AT PHYLLIS	372645	0821907	021	195	SW			1978	1979	A			A	USGS	D
05070202	HONEY FORK AT PHYLLIS	372656	0821920	021	111	SW			1977	1979	A			A	USGS	D
05070202	TRACE FORK NR PHYLLIS	372704	0821909	021	195	SW			1977	1979	A			A	USGS	D
05070202	LOWER CAMP BRANCH NR PHYLLIS	372708	0821805	021	195	SW			1977	1979	A			A	USGS	D
05070202	GRAPEVINE CR ABOVE UPPER CAMP BR NR PHYLLIS	372709	0821745	021	195	SW			1977	1979	A			A	USGS	D
05070202	UPPER CAMP BRANCH NR PHYLLIS	372711	0821752	021	195	SW			1977	1979	A			A	USGS	D
05070203	PAINT CR NR MOUTH	375050	0825213	021	115	SW			1977		M				KY001	

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05070203	JOHNS FORK HEAD OF DEWEY LK	374160	0823914	021	071	SW			1977		M				KY001	
05070203	LEVISA FORK AT PIKEVILLE, KY.	372835	0823105	021	195	SW	1237.00	014	1960		M				USGS	D
05070203	MUD CR AT HAROLD	373213	0823840	021	071	SW	51.90	004	1978	1979	R			R	USGS	D
05070203	LEVISA FORK AT PRESTONSBURG, KY.	374015	0824638	021	071	SW	1701.00	014	1976		M				USGS	D
05070203	MIDDLE CR NR PRESTONSBURG	373917	0824749	021	071	SW	62.10	004	1978	1979	A			A	USGS	D
05070203	JOHNS CREEK NEAR META, KY.	373401	0822729	021	195	SW	56.30	004	1961		O			O	USGS	D
05070203	RACCOON CR. NR ZEBULON,KY.	373055	0822705	021	195	SW	14.80	004	1973	1979	X	M		X	USGS	D
05070203	CANEY FORK NEAR GULNARE, KY.	373511	0823223	021	195	SW	3.74	004	1973	1979	X	A		X	USGS	D
05070203	BRUSHY FK. AT HEENON,KY.	373958	0822903	021	195	SW	20.40	004	1973	1979	W	A		W	USGS	D
05070203	BUFFALO CREEK NEAR ENDICOTT, KY.	373758	0823618	021	071	SW	6.21	004	1973	1979	X	M		X	USGS	D
05070203	JOHNS CR NR VAN LEAR,KY.	374437	0824327	021	071	SW	206.00	014	1953		E			E	USGS	D
05070203	PAINT CREEK AT STAFFORDSVILLE, KENTUCKY	375005	0825215	021	115	SW	103.00		1965		R			R	USGS	D
05070203	LEVISA FK AT PAINTSVILLE,KY.	374855	0824730	021	115	SW	2143.00	014	1948		W	E		O	USGS	D
05070203	BEAVER CR BELOW ARKANSAS CR NR MARTIN	373456	0824350	021	071	SW			1977	1979	A			A	USGS	D
05070204	BLAIN CR FALLSBURG	381034	0824021	021	011	SW			1977		M				KY001	
05070204	LOUISA KY W PI	381008	0823720	021	127	SW			1977		M				KY001	
05080001	G MIAMI R AT SIDNEY OH	401713	0840900	039	149	SW	541.00	024	1965	1975	2	O	O	2	USGS	D
05080001	G MIAMI R AT SIDNEY OH	401713	0840900	039	149	SW			1965	1975	R	R		R	USGS	D
05080001	LORAMIE C NR NEWPORT OH	401825	0842302	039	149	SW	152.00	014	1965	1975	2	O	O	2	USGS	D
05080001	LORAMIE C NR NEWPORT OH	401825	0842302	039	149	SW			1966	1975	R	R		R	USGS	D
05080001	G MIAMI R AT TROY OH	400225	0841152	039	109	SW	926.00	124	1965	1974	R	A		R	USGS	D
05080001	GREENVILLE C NR BRADFORD OH	400608	0842548	039	037	SW	193.00	004	1960	1974	R	A		R	USGS	D
05080001	STILLWATER R AT PLEASANT HILL OH	400328	0842122	039	109	SW	503.00	004	1962	1975	2	O	O	2	USGS	D
05080001	STILLWATER R AT PLEASANT HILL OH	400328	0842122	039	109	SW			1964	1975	R	R		R	USGS	D
05080001	MAD R NR URBANA OH	400627	0834757	039	021	SW	162.00	004	1960	1974	R	A		R	USGS	D
05080001	MAD R AT EAGLE CITY OH	395836	0834921	039	023	SW	307.00	004	1964	1971	2	E		2	USGS	D
05080002	G MIAMI R AT DAYTON OH	394553	0841136	039	113	SW		004	1951	1975	2	Q		2	USGS	D
05080002	G MIAMI R AT DAYTON OH	394555	0841151	039	113	SW	2511.00	124	1950	1973	2			2	USGS	D
05080002	TWIN C NR INGOMAR OH	394228	0843130	039	135	SW	197.00	004	1962	1974	H	E		H	USGS	D
05080002	TWIN C NR GERMANTOWN OH	393810	0842348	039	113	SW	275.00	014	1965	1970	R			R	USGS	D
05080002	SEVENMILE C AT COLLINSVILLE OH	393123	0843639	039	017	SW	120.00	004	1965	1974	E	E		E	USGS	D
05080002	G MIAMI R AT NEW BALTIMORE OH	391547	0844004	039	061	SW	3814.00	124	1966		M			M	USGS	D
05080003	WHITEWATER RIVER NEAR HAGERSTOWN, IND	395225	0850947	018	177	SW	58.70		1975		N			N	USGS	D
05080003	WHITEWATER RIVER NEAR ALPINE, IND	393423	0850927	018	041	SW	529.00		1968	1969	A	A		A	USGS	D

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05080003	EAST FORK WHITEWATER RIVER AT ABINGTON, IND.	394357	0845735	018	177	SW	200.00		1967		Q	E		Q	USGS	D
05080003	EAST FORK WHITEWATER AT BROOKVILLE, IND	392602	0850012	018	047	SW	380.00		1963		H			H	USGS	D
05080003	WHITEWATER RIVER AT BROOKVILLE, IND	392424	0850046	018	047	SW	1224.00		1973		E			E	USGS	D
05090101	SANDY RN AB BIG FOUR HOLLOW C NR LAKE HOPE O	392145	0821847	039	163	SW	.98	004	1970		W				USGS	D
05090101	BIG FOUR HOLLOW C NR LAKE HOPE OH	392148	0821851	039	163	SW	1.01	004	1970		W				USGS	D
05090101	SANDY RN NR LAKE HOPE OH	392001	0821956	039	163	SW	4.99	004	1959		W				USGS	D
05090101	RACCOON C AT ADAMSVILLE OH	385225	0822122	039	053	SW	585.00	004	1950		E	E		E	USGS	D
05090103	OHIO R AT GREENUP DAM NR GREENUP, KY	383848	0825138	021	089	SW	62000.00	014	1973		E	E		E	USGS	D
05090103	TYGARTS CREEK AT OLIVE HILL, KY.	381757	0831025	021	043	SW	59.60	004	1970		A			A	USGS	D
05090103	TYGARTS CREEK NEAR GREENUP, KY.	383351	0825708	021	089	SW	242.00	004	1955		2	E		2	USGS	D
05090104	LITTLE SANDY R GRAYSON	381947	0825623	021	043	SW			1977		M				KY001	
05090104	LITTLE SANDY RIVER AT GRAYSON, KY.	381948	0825622	021	043	SW	400.00	014	1949		R			A	USGS	D
05090201	UPPER TWIN C AT MCGAW OH	383837	0831257	039	145	SW	12.20	004	1963		2	E		2	USGS	D
05090201	OHIO BRUSH C NR WEST UNION OH	384813	0832516	039	001	SW	387.00	004	1960		E	E		E	USGS	D
05090201	WHITEOAK C NR GEORGETOWN OH	385129	0835543	039	015	SW	218.00	004	1965		E	E		E	USGS	D
05090202	L MIAMI R NR SELMA OH	394836	0834421	039	023	SW	48.90	004	1951	1972	2			2	USGS	D
05090202	N F L MIAMI R NR PITCHIN OH	394940	0834638	039	023	SW	28.90	004	1951	1972	2			2	USGS	D
05090202	L MIAMI R NR OLDTOWN OH	394454	0835553	039	057	SW	129.00	004	1951		2			2	USGS	D
05090202	N F MASSIE C AT CEDARVILLE OH	394525	0834725	039	057	SW	28.90	004	1954	1968	2	Q		2	USGS	D
05090202	S F MASSIE C NR CEDARVILLE OH	394420	0834550	039	057	SW	17.10	004	1953	1968	2	Q		2	USGS	D
05090202	MASSIES C AT WILBERFORCE OH	394322	0835258	039	057	SW	63.20	004	1951		2			2	USGS	D
05090202	TODD F NR ROACHESTER OH	392007	0840512	039	165	SW	219.00	014	1952	1974	2			2	USGS	D
05090202	L MIAMI R AT MILFORD OH	391017	0841753	039	025	SW	1203.00	004	1946		W			W	USGS	D
05090202	E F L MIAMI R NR MARATHON OH	390652	0840129	039	025	SW	195.00	004	1969		E	E		E	USGS	D
05090203	GUNPOWDER CR BELOW FLORENCE	390008	0844327	021	015	SW			1977		M				KY001	
05090203	SOUTH HOGAN CREEK NEAR DILLSBORO, IND.	390147	0850217	018	029	SW	38.10		1968		E	E		E	USGS	D
05090203	OHIO R AT MARKLAND DAM NR WARSAW, KY	384629	0845752	021	077	SW	83170.00		1958		N	N		N	USGS	D
05100101	LICKING R NR SALYERSVILLE, KY.	374503	0830504	021	153	SW	140.00	004	1965		R			R	USGS	D
05100101	LICKING R AT FARMERS	380655	0833236	021	011	SW	827.00	004	1948	1979	2	E		2	USGS	D
05100101	NORTH FORK TRIPLETT CREEK NEAR MOREHEAD, KY.	381157	0832850	021	205	SW	84.70	004	1960		A			A	USGS	D
05100101	NORTH FORK LICKING RIVER NEAR LEWISBURG, KY.	383257	0834737	021	161	SW	119.00	004	1970		A			A	USGS	D
05100101	LICKING RIVER AT MCKINNEYSBURG, KY.	383552	0841600	021	191	SW	2326.00	004	1951	1979	2	E		2	USGS	D
05100101	LICKING RIVER AT BUTLER,KY.	384722	0842105	021	191	SW	3385.00		1948		E	E		E	USGS	D
05100102	STRODES CR BELOW HOODS CR	380607	0841053	021	017	SW			1977		M				KY001	

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05100201	LEATHERWOOD CREEK AT DAISY, KY.	370648	0830533	021	193	SW	40.90	004	1971		A			A	USGS	D
05100201	RIGHT FK MACYS CK NR FARLAR,KY.	371004	0831037	021	193	SW		004	1979		Q			Q	USGS	
05100201	NORTH FORK KENTUCKY R AT HAZARD,KY.	371448	0831055	021	193	SW	466.00	004	1948		A			A	USGS	D
05100201	LOTTS CREEK NR DARFORK,KY.	371701	0831115	021	193	SW		004	1979		Q			Q	USGS	
05100201	BIG CREEK NR AVAWAN,KY.	371409	0831533	021	193	SW		004	1979		Q			Q	USGS	
05100201	GRAPEVINE CK NR LAMONT,KY.	372111	0831914	021	193	SW		004	1979		Q			Q	USGS	
05100201	TROUBLESOME CREEK NR ARY,KY.	372201	0830905	021	193	SW		004	1979		Q			Q	USGS	
05100201	BALLS FORK NR TALCUM,KY.	372208	0830643	021	119	SW		004	1979		Q			Q	USGS	
05100201	BUCKHORN CREEK NR NOBLE,KY.	372655	0833114	021	025	SW		004	1979		Q			Q	USGS	
05100201	TROUBLESOME CREEK AT NOBLE, KY.	372636	0831306	021	025	SW	177.00	004	1965		A			A	USGS	D
05100201	LOST CREEK NR LOST CREEK,KY.	372756	0831914	021	025	SW		004	1979		Q			Q	USGS	
05100201	LAUREL FORK NEAR ELMROCK,KY.	372704	0830123	021	119	SW		004	1979		Q			Q	USGS	
05100201	MIDDLE FK QUICKSAND CK NR DECOY,KY.	372957	0830529	021	119	SW		004	1979		Q			Q	USGS	
05100201	HAWLS FORK NEAR TIPTOP,KY.	373417	0830548	021	025	SW		004	1979		Q			Q	USGS	
05100201	CANEY CREEK NEAR CAMP LEWIS,KY.	373507	0831128	021	025	SW		004	1979		Q			Q	USGS	
05100201	HUNTING CREEK NR ROUSSEAU,KY.	373533	0831341	021	025	SW		004	1979		Q			Q	USGS	
05100201	SOUTH FORK NEAR PORTSMOUTH	373157	0831948	021	025	SW		004	1979		Q			Q	USGS	
05100201	NORTH FORK KENTUCKY RIVER AT JACKSON,KY.	373305	0832305	021	025	SW	1101.00	004	1948					Q	USGS	
05100201	CANE CREEK NR JACKSON,KY.	373304	0832457	021	025	SW		004	1979		Q			Q	USGS	
05100201	FROZEN CREEK NR TAULBEE,KY.	373830	0831911	021	025	SW		004	1979		Q			Q	USGS	
05100201	BOONE FORK NEAR VANCLEVE,KY.	373734	0832453	021	025	SW		004	1979		Q			Q	USGS	
05100202	MIDDLE FORK KENTUCKY RIVER NEAR HYDEN, KY	370813	0832217	021	131	SW	202.00	004	1970		D	Q	A	D	USGS	D
05100202	ROCKHOUSE CREEK NR HYDEN,KY.	370918	0832337	021	131	SW		004	1979		Q			Q	USGS	
05100202	CUTSHIN CREEK AT WOOTON, KY.	370954	0831829	021	131	SW	61.30	004	1970		A			A	USGS	D
05100202	HELL FOR CERTAIN CK NR KALIOPI,KY.	371351	0832430	021	131	SW		004	1979		Q			Q	USGS	
05100202	TURKEY CREEK NEAR TURKEY,KY.	372857	0833004	021	025	SW		004	1979		Q			Q	USGS	
05100202	MIDDLE FORK KENTUCKY RIVER AT TALLEGA,KENTUC	373318	0833538	021	129	SW	537.00	014	1948		R			R	USGS	D
05100203	RED BIRD RIVER NEAR BIG CREEK, KY.	371043	0833535	021	051	SW	155.00	004	1973		A			A	USGS	D
05100203	GOOSE CR NR GOOSEROCK, KY.	370450	0834133	021	051	SW		004	1979		A			A	USGS	D
05100203	GOOSE CREEK AT MANCHESTER, KENTUCKY	370907	0834537	021	051	SW	163.00	004	1964		A			A	USGS	D
05100203	SOUTH FORK KENTUCKY RIVER AT BOONEVILLE,KENT	372845	0834038	021	189	SW	722.00	004	1948		R			R	USGS	D
05100204	KY R LOCK & DAM #14	373308	0834611	021	129	SW			1977		M				KY001	
05100204	RED R HAZEL GREEN	374832	0832735	021	237	SW			1977		M				KY001	
05100204	KENTUCKY RIVER AT LOCK 14 AT HEIDELBERG, KY	373319	0834606	021	129	SW	2657.00	014	1970		A				USGS	D

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05100204	RED RIVER NEAR HAZEL GREEN, KY.	374844	0832750	021	237	SW	65.80	004	1970		N			N	USGS	D
05100205	KENTUCKY R LOCK #2 LOCKPORT	382617	0845744	021	103	SW			1977		M				KY001	
05100205	EAGLE CR AT GLENCOE	384211	0844838	021	187	SW			1977		M				KY001	
05100205	KENTUCKY R BELOW FRANKFORT	381031	0845228	021	073	SW			1977	1979	M				KY001	
05100205	SOUTH ELKORN CR KY HWY BRIDGE 314	381034	0844012	021	209	SW			1977		M				KY001	
05100205	KENTUCKY R BELOW JESSAMINE CK	374742	0844044	021	113	SW			1977	1979	M				KY001	
05100205	HICKMAN CR BELOW EAST&WEST FORK	375330	0843052	021	113	SW			1977		M				KY001	
05100205	CLARKS RUN DANVILLE	373743	0844441	021	079	SW			1977		M				KY001	
05100205	DIX R NR DANVILLE	373830	0843939	021	021	SW			1977		M				KY001	
05100205	KENTUCKY R AT LOCK 4 AT FRANKFORT KY	381206	0845254	021	073	SW	5412.00	014	1948		2	E		2	USGS	D
05100205	ELKHORN CREEK NEAR FRANKFORT, KY	381607	0844853	021	073	SW	473.00	004	1948		A			A	USGS	D
05100205	KENTUCKY RIVER AT LOCK 2,AT LOCKPORT,KY.	382620	0845748	021	103	SW	6180.00	014	1972		N	N		N	USGS	D
05100205	EAGLE CR. AT GLENCOE,KY.	384218	0844926	021	187	SW	437.00	004	1948		2	E		2	USGS	D
05110001	LITTLE PITMAN CK BELOW CAMPBELL	371922	0852811	021	217	SW			1977		M				KY001	
05110001	GREEN R GREENSBURG WPI	371513	0853011	021	087	SW			1977		M				KY001	
05110001	BACON CR PRICEVILLE	372133	0855953	021	099	SW			1977		M				KY001	
05110001	NOLIN R BROADFORD	372249	0860420	021	085	SW			1977		M				KY001	
05110001	NOLIN RIVER WHITE MILLS	373302	0860242	021	093	SW			1977		M				KY001	
05110001	GREEN R RESERVOIR	371133	0850810	021	001	SW			1977		M				KY001	
05110001	RUSSELL CREEK NEAR COLUMBIA, KY.	370709	0852338	021	001	SW	188.00	004	1960		A			A	USGS	D
05110001	GREEN RIVER AT MUNFORDVILLE, KY.	371605	0855310	021	099	SW	1673.00	014	1948		O	A		O	USGS	D
05110001	WET PRONG BUFFALO CREEK NR MAMMOTH CAVE KY	371347	0861024	021	061	SW	2.26	004	1962	1974	E			E	USGS	D
05110001	NOLIN RIVER AT WHITE MILLS, KY.	373303	0860243	021	093	SW	357.00	004	1970		A			A	USGS	D
05110001	BACON CREEK NEAR PRICEVILLE, KY.	372131	0855953	021	099	SW	85.40		1970		N			N	USGS	D
05110001	NOLIN RIVER AT WAX, KY.	372043	0860721	021	085	SW	600.00	004	1949	1961	2	O		2	USGS	D
05110002	BARREN R LOCK & DAM #1	370511	0863008	021	227	SW			1977	1979	M				KY001	
05110002	BEAVER CR RACKY HILL	365633	0860140	021	009	SW			1977		M				KY001	
05110002	BARREN R MAYNARD	364509	0860234	021	009	SW			1977		M				KY001	
05110002	BARREN R AT BOWLING GREEN KY	370004	0862551	021	227	SW	1848.00	014	1948	1979	2			2	USGS	D
05110003	MUD R EAST OF EPLYS	365726		021	141	SW			1977		M				KY001	
05110003	GREEN RIVER AT ABERDEEN, KY.	371436	0864122	021	031	SW	5403.00	014	1958		R			R	USGS	D
05110003	POND CR NR MARTWICK KY	371801	0870016	021	177	SW	125.00	004	1972		A			A	USGS	D
05110004	ROUGH R LK	373531	0861945	021	085	SW			1977		M				KY001	
05110004	ROUGH RIVER AT FALLS OF ROUGH, KY	373520	0863305	021	085	SW	504.00	014	1950		2			2	USGS	D

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05110004	CANEY CREEK NEAR HORSE BRANCH, KY	372750	0863920	021	183	SW	124.00	004	1970		A			A	USGS	D
05110004	ROUGH RIVER AT DUNDEE, KY.	373346	0864616	021	183	SW	815.00	014	1948		A			A	USGS	D
05110005	GREEN RIVER AT LOCK 2, AT CALHOUN, KY.	373202	0871550	021	149	SW	7564.00	014	1948		R			R	USGS	D
05110005	GREEN RIVER NR BEECH GROVE,KY.	373521	0872416	021	233	SW			1973		E	E		E	USGS	D
05110005	SOUTH FORK PANTHER CREEK NEAR WHITESVILLE, K	373708	0865315	021	183	SW	58.20	004	1970		A			A	USGS	D
05110006	POND R NR ISAACS CREEK	372116	0871903	021	177	SW			1977		M				KY001	
05110006	POND R NR APEX	370720	0871910	021	047	SW			1977		M				KY001	
05110006	POND RIVER NR APEX, KY.	370720	0871910	021	177	SW	194.00		1961		A			A	USGS	D
05110006	DRAKES CREEK NEAR WHITE PLAINS, KY	371157	0872453	021	107	SW	52.50	004	1979		A			A	USGS	D
05110006	CYPRESS C NR CALHOUN KY	372920	0871710	021	069	SW			1979		A			A	USGS	D
05120101	CORNING GLASS BLUFFTON	404336	0851323	018	179	ES			1972	1973		X			IN001	D
05120101	WABASH RIVER AT LINN GROVE, IND.	403922	0850158	018	001	SW	453.00	014	1971		R	E		R	USGS	D
05120101	LITTLE RIVER NEAR HUNTINGTON, IND	405414	0852422	018	069	SW	263.00		1969	1979	R	A		R	USGS	D
05120101	PIPE CREEK NEAR BUNKER HILL, IND.	404006	0860544	018	103	SW	159.00		1978		R			R	USGS	D
05120102	SALAMONIE RIVER AT PORTLAND, IND.	402540	0850220	018	075	SW	85.60		1978	1979	A			A	USGS	D
05120102	SALAMONIE RIVER NEAR WARREN, IND.	404245	0852713	018	069	SW	425.00		1963	1965	Q	E		Q	USGS	D
05120103	MISSISSINEWA RIVER NEAR RIDGEVILLE, IND.	401649	0845944	018	135	SW	133.00		1963		K			K	USGS	D
05120104	EEL RIVER NEAR LOGANSPORT IND	404655	0861550	018	017	SW	789.00		1969		O	R		O	USGS	D
05120105	DEER CREEK NEAR DELPHI, IND.	403525	0863715	018	015	SW	274.00		1969	1979	R	E		R	USGS	D
05120106	TIPPECANOE RIVER NEAR ORA, IND.	410926	0863349	018	131	SW	856.00		1968	1974	R	E		R	USGS	D
05120108	WABASH RIVER AT LAFAYETTE IND	402519	0865349	018	157	SW	7267.00	014	1954	1966	X	A		X	USGS	D
05120108	BIG RACCOON CREEK NEAR FINCASTLE IND	394845	0865714	018	133	SW	139.00		1958		H	R		H	USGS	D
05120110	SUGAR CREEK AT CRAWFORDSVILLE, IND.	400256	0865358	018	107	SW	509.00	004	1972		R	A		R	USGS	D
05120110	SUGAR CREEK NEAR BYRON, IND.	395552	0870733	018	121	SW	670.00	004	1968	1971	H	R		H	USGS	D
05120110	EAGLE CREEK AT ZIONSVILLE, IND.	395656	0861522	018	011	SW	103.00		1969		R	A		R	USGS	D
05120111	BUSSERON CR NR SULLIVAN IN SITE 114	390433	0872311	018	153	SW	138.00		1975		A			A	USGS	D
05120112	EMBARRAS RIVER AT STATE HWY 133 NR OAKLAND,	393933	0880348	017	041	SW	542.00		1978		X				USGS	D
05120113	WABASH RIVER AT NEW HARMONY, IND.	380755	0875625	018	129	SW	29234.00	014	1973		E	E		E	USGS	D
05120113	BIG CR NR WADESVILLE IN SITE 293	380458	0874610	018	129	SW	104.00		1978		R			R	USGS	D
05120114	LITTLE WABASH RIVER AT LOUISVILLE, IL	384623	0882950	017	025	SW	745.00	004	1970		O	Q		O	USGS	D
05120114	LITTLE WABASH RIVER AT CARMI, IL	380340	0880935	017	193	SW	3102.00	004	1974		A	A		A	USGS	D
05120114	CARMI WWKS B MUDDY R ROBOT	380300	0880900	017	193	SW			1977		M	M	M		USGS	P
05120201	WHITE RIVER AT MUNCIE, IND.	401215	0852314	018	035	SW	241.00		1963		E	E			USGS	P
05120201	KILLBUCK CREEK NEAR GASTON, IND.	401545	0853053	018	035	SW	25.50		1972		A			A	USGS	D

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05120201	WHITE RIVER NEAR NOBLESVILLE IND	400746	0855746	018	057	SW	828.00	014	1954	1974	R	A		R	USGS	D
05120201	FALL CREEK NEAR FORTVILLE, IND.	395715	0855205	018	057	SW	169.00	004	1963	1975	A	A		A	USGS	D
05120201	BEAN CREEK AT INDIANAPOLIS, IND	394345	0860714	018	097	SW	4.40		1978		R			R	USGS	D
05120201	WHITE LICK CREEK NEAR MOORESVILLE, IND.	393628	0862256	018	109	SW	212.00		1978		R			R	USGS	D
05120201	WHITE RIVER NEAR CENTERTON IND	392951	0862402	018	109	SW	2444.00		1954		E			E	USGS	D
05120202	BEANBLOSSOM CREEK AT BEANBLOSSOM, IND.	391545	0861455	018	013	SW	14.60		1978	1979	R			R	USGS	D
05120202	WHITE RIVER AT HAZLETON, IND.	382923	0873300	018	051	SW	11305.00	003	1972		E	E		E	USGS	D
05120203	WILDCAT CREEK NR. LAFAYETTE, IND.	392627	0864945	018	157	SW	794.00		1968		K	A		K	USGS	D
05120203	BIG WALNUT CREEK NEAR REELSVILLE, IND.	393211	0865835	018	133	SW	326.00		1964	1979	R	E		R	USGS	D
05120203	MILL CREEK NEAR CATARACT, IND.	392600	0864548	018	119	SW	245.00		1969		R	A		R	USGS	D
05120204	BIG BLUE RIVER AT CARTHAGE, IND.	394438	0853433	018	139	SW	184.00	004	1973		W			W	USGS	D
05120204	BIG BLUE RIVER AT SHELBYVILLE, IND	393145	0854655	018	145	SW	421.00		1968	1970	N	E		N	USGS	D
05120204	BUCK CREEK AT ACTON, IND.	393925	0855727	018	097	SW	78.80		1978	1979	A			A	USGS	D
05120204	SUGAR CREEK NEAR EDINBURGH IND	392139	0855951	018	081	SW	474.00		1968	1970	Q	E		Q	USGS	D
05120205	FLATROCK RIVER AT ST. PAUL, IND.	392503	0853803	018	145	SW	303.00		1969		K	E		K	USGS	D
05120206	KIEFFER PAPER BROWNSTOWN	385300	0860330	018	071	ES			1972	1973		Q			IN001	D
05120206	SAND CREEK NEAR BREWERSVILLE, IND.	390503	0853932	018	079	SW	155.00		1966	1979	R	E		R	USGS	D
05120206	EAST FORK WHITE RIVER AT SEYMOUR IND	385857	0855357	018	071	SW	2341.00		1954		O	R		O	USGS	D
05120206	MUSCATATUCK RIVER NEAR DEPUTY, IND.	384815	0854026	018	077	SW	293.00		1968	1968	A	E		A	USGS	D
05120207	BRUSH CREEK NEAR NEBRASKA, IND.	390413	0852910	018	079	SW	11.40	004	1964	1968	N			N	USGS	D
05120207	VERNON FORK AT VERNON, IND.	385834	0853713	018	079	SW	198.00		1966	1979	A			A	USGS	D
05120208	STEPHENS CREEK NEAR BLOOMINGTON, IND.	391011	0862507	018	105	SW	10.90		1978		K			K	USGS	D
05120208	LOST RIVER NR. WEST BADEN SPRINGS, IND.	383510	0863803	018	117	SW	287.00	004	1974	1979	A			A	USGS	D
05120209	PATOKA RIVER NEAR PRINCETON, IND.	382330	0873255	018	051	SW	882.00	014	1963		M			M	USGS	D
05130101	LAUREL R RESERVOIR HGWY 312	365809	0840738	021	235	SW			1977		M				KY001	
05130101	CUMBERLAND R PINEVILL WPI	364550	0834134	021	013	SW			1977		M				KY001	
05130101	MARTINS FK NR SMITH,KY.	364457	0831452	021	095	SW	55.80	014	1970		A			A	USGS	D
05130101	CUMBERLAND RIVER NEAR HARLAN,KENTUCKY	365048	0832121	021	095	SW	374.00	004	1949		A			A	USGS	D
05130101	PUCKETT CK NR PATHFORK,KY.	364519	0832745	021	095	SW		004	1979		Q			Q	USGS	
05130101	BROWNICE CREEK NR OAKS,KY.	364318	0833332	021	013	SW		004	1979		Q			Q	USGS	
05130101	YELLOW CR NR MIDDLESBORO,KY.	364005	0834119	021	013	SW	60.60	004	1948		R			R	USGS	D
05130101	CLEAR CK NR PINEVILLE,KY.	364342	0834428	021	013	SW		004	1979		Q			Q	USGS	
05130101	LITTLE CLEAR CK NR PINEVILLE,KY.	364317	0834327	021	013	SW		004	1979		Q			Q	USGS	
05130101	STRAIGHT CK NR KETTLE ISLAND,KY.	364706	0833609	021	013	SW		004	1979		Q			Q	USGS	

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05130101	LEFT FK STRAIGHT CK NR CARY,KY.	364754	0833936	021	013	SW		004	1979		Q			Q	USGS	
05130101	MIDDLE FK STINKING CK NR WALKER,KY.	365314	0834225	021	121	SW		004	1979		Q			Q	USGS	
05130101	ROAD FORK CK NR BARNYARD,KY.	365402	0834441	021	121	SW		004	1979		Q			Q	USGS	
05130101	CUMBERLAND RIVER AT BARBOURVILLE,KENTUCKY	365145	0835313	021	121	SW	960.00	004	1948		A			A	USGS	D
05130101	LITTLE INDIAN CK NR PERMON,KY.	364940	0835821	021	121	SW		004	1979		Q			Q	USGS	
05130101	CLEAR FORK AT HWY 90, AT ANTHRAS, TN.	363246	0835936	047	013	SW	48.99	004	1979		A	A		A	USGS	D
05130101	TACKETT CREEK AT ANTHRAS, TN	363225	0840020	047	013	SW	34.50	004	1979		A	A		A	USGS	D
05130101	STINKING CREEK NEAR NEWCOMB, TN.	363026	0840836	047	013	SW	38.26	004	1979		A	A		A	USGS	D
05130101	LICK CREEK AT HABERSHAM, TN	363001	0840432	047	013	SW	20.70	004	1979		A	A		A	USGS	D
05130101	HICKORY CREEK AT MORLEY, TN	363300	0840242	047	013	SW	117.00	004	1979		A	A		A	USGS	D
05130101	ELK CREEK AT NEWCOMB,TN.	363310	0840953	047	013	SW	40.48	004	1979		A	A		A	USGS	D
05130101	CLEAR FORK AT SAXTON, KENTUCKY	363802	0840642	021	235	SW	331.00	004	1970		A			A	USGS	D
05130101	CUMBERLAND RIVER AT WILLIAMSBURG, KY.	364438	0840930	021	235	SW	1607.00	004	1948		2	E		2	USGS	D
05130101	WATTS CK NR WOFFORD,KY.	364708	0840807	021	235	SW		004	1979		Q			Q	USGS	
05130101	JELLICO CREEK AT KETCHEN, TN.	363413	0841901	047	151	SW	28.18	004	1979		A	A		A	USGS	D
05130101	JELLICO C NR WILLIAMSBURG	364056	0841520	021	235	SW	103.00		1960		A			A	USGS	D
05130101	MARSH CK NR DUCKRUN,KY.	364255	0842118	021	147	SW		004	1979		Q			Q	USGS	
05130101	FY78 CHANGE OPERATION OWDC63228 TO	365014	0842036	021	147	SW			1978		C				USGS	
05130101	TRIB TO LAUREL R NR LESBAS,KY.	370334	0835956	021	125	SW		004	1979		Q			Q	USGS	
05130101	TRIB TO LAUREL R NR PINE GROVE,KY.	370347	0840447	021	125	SW		004	1979		Q			Q	USGS	
05130101	SOUTH FORK CUMBERLAND RIVER NEAR STEARNS, KY	363737	0843200	021	147	SW	954.00	004	1960		A	A		A	USGS	D
05130101	ROARING PAUNCH,KY.	364009	0842939	021	147	SW		004	1979		Q			Q	USGS	
05130102	ROCKCASTLE R AT BILLOWS	371016	0841748	021	203	SW			1977		M				KYOO1	
05130102	ROCKCASTLE R AT BILLOWS,KY.	371016	0841746	021	125	SW	604.00	004	1948		A			A	USGS	D
05130103	PITMAN CR BELOW SOMERSET STP	365943	0843713	021	199	SW			1977		M				KYOO1	
05130103	POOR FORK AT CUMBERLAND, KY	365826	0825935	021	095	SW	82.30	004	1960		A			A	USGS	D
05130103	CANE BRANCH NEAR PARKERS LAKE	365205	0842657	021	147	SW	.67	004	1955	1974	2	E		2	USGS	D
05130103	HELTON BRANCH AT GREENWOOD, KY.	365307	0842855	021	147	SW	.85	004	1955	1966	2	E		2	USGS	D
05130103	BUCK CREEK NEAR SHOPVILLE, KY	371238	0842752	021	199	SW	165.00	004	1970		A			A	USGS	D
05130104	LK CUMBERLAND BURMSIDE	365348	0843603	021	199	SW			1977		M				KYOO1	
05130104	SOUTH FORK CUMBERLAND R YAMACRAW	364331	0843237	021	147	SW			1977		M				KYOO1	
05130104	NEW RIVER AT FORK MOUNTAIN, TENN	360728	0842532	047	001	SW			1975		Q	Q		Q	USGS	D
05130104	NEW RIVER AT STAINVILLE, TENN	361234	0841918	047	013	SW	66.00		1975		A	A		A	USGS	D
05130104	BEECH FORK AT SHEA, TENN	361417	0841949	047	013	SW	27.90		1975		A	A		A	USGS	D

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05130104	GREEN BRANCH NEAR HEMBREE, TENN	361209	0842459	047	151	SW	1.38		1975	1975	A			A	USGS	D
05130104	BILLS BRANCH NEAR HEMBREE, TENN	361239	0842419	047	151	SW	.67		1975		Q				USGS	D
05130104	SMOKY CREEK AT HEMBREE, TN	361423	0842448	047	151	SW	17.20		1975		Q				USGS	D
05130104	BOWLING BRANCH ABOVE SMOKY JUNCTION, TENN	361614	0842417	047	151	SW	2.19		1978		Q				USGS	D
05130104	SMOKY CREEK AT SMOKY JUNCTION, TENN	361638	0842227	047	151	SW	32.80		1975	1979	Q	Q	Q		USGS	D
05130104	ANDERSON BRANCH NEAR MONTGOMERY, TENN	361834	0842314	047	151	SW	.69	004	1975		Q				USGS	D
05130104	LOWE BRANCH NEAR MONTGOMERY, TENN	361904	0842307	047	151	SW	.92		1975		Q				USGS	D
05130104	MONTGOMERY FORK AT MONTGOMERY, TENN	361943	0842201	047	151	SW	22.10		1975		A	A		A	USGS	D
05130104	NEW RIVER AT CORDELL, TENN	362010	0842706	047	151	SW	198.00		1975		Q				USGS	D
05130104	BUFFALO CREEK NEAR WINONA, TENN	362316	0842513	047	151	SW	42.50		1975		A	A		A	USGS	D
05130104	BUFFALO CREEK AT WINONA, TENN	362218	0842655	047	151	SW			1975	1975	A			A	USGS	D
05130104	PAINT ROCK CREEK NEAR HUNTSVILLE, TENN	362414	0842659	047	151	SW	21.50		1975		A	A		A	USGS	D
05130104	BRIMSTONE CREEK NEAR ROBBINS, TENN	362043	0843222	047	151	SW	48.70	004	1965		Q				USGS	D
05130104	NEW RIVER AT NEW RIVER, TENN	362308	0843317	047	151	SW	382.00		1964		O	Q		D	USGS	D
05130104	NORTH PRONG CLEAR FORK NEAR GRIMSLEY,TN	361825	0845435	047	049	SW	27.10	004	1979		A	A		A	USGS	D
05130104	LONG BRANCH NEAR GRIMSLEY, TENN	361532	0845740	047	049	SW	1.11		1976		Q				USGS	D
05130104	CLEAR FORK AT GATEWOOD, TN.	361713	0845033	047	129	SW	70.25	004	1979		A	A		A	USGS	D
05130104	CROOKED CREEK TRIBUTARY NEAR ALLARDT, TENN	362330	0845443	047	049	SW	.25		1976		Q				USGS	D
05130104	CROOKED CREEK NEAR ALLARDT,TENN	362259	0845450	047	049	SW	3.62		1976		Q				USGS	D
05130104	CLEAR FORK NEAR BURRVILLE, TN	361928	0844713	047	129	SW	120.00	004	1979		A	A		A	USGS	D
05130104	BONE CAMP CREEK NEAR BURRVILLE, TN	361712	0844215	047	129	SW	23.00	004	1979		A	A		A	USGS	D
05130104	BLACK WOLF CREEK NEAR GLENMARY, TN.	361916	0843913	047	151	SW	31.41	004	1979		A	A		A	USGS	D
05130104	WHITE OAK CREEK AT RUGBY, TN	362112	0844126	047	129	SW	98.00	004	1979		A	A		A	USGS	D
05130104	CLEAR FORK NEAR ROBBINS, TENN.	362318	0843749	047	151	SW	272.00		1949		Q				USGS	D
05130104	S F CUMBERLAND R AT LEATHERWOOD FORD, TN	362838	0844009	047	151	SW	806.00	004	1979		A	A		A	USGS	D
05130104	ROCK CK AT WHITE OAK JUNCTION,KY.	364210	0843544	021	147	SW		004	1979		Q			Q	USGS	
05130104	WOLF CK AT WOLF CK,KY.	364356	0843334	021	147	SW		004	1979		Q			Q	USGS	
05130104	SINKING CK NR GREGORY,KY.	365021	0844125	021	231	SW		004	1979		Q			Q	USGS	
05130104	TRIB. TO S. PRONG CLEAR FORK R.	361532	0845740	047	049	SW			1976			A			USTVA	D
05130105	EAST FORK OBEY RIVER AT OBEY CITY, TN	361102	0850953	047	133	SW	34.60		1979		A	A		A	USGS	D
05130105	HURRICANE CREEK AT CAMP GROUND, TN.	361142	0850406	047	049	SW	15.85	004	1979		A	A		A	USGS	D
05130105	EAST FORK OBEY RIVER NEAR WILDER, TN.	361624	0850240	047	049	SW	116.51	004	1979		A	A		A	USGS	D
05130105	BUFFALO COVE C NR BOATLAND, TENN.	362306	0850034	047	049	SW	23.40		1965		A	A		A	USGS	D
05130105	EAST FORK OBEY RIVER NEAR JAMESTOWN, TENN.	362458	0850135	047	049	SW	202.00		1965		Q				USGS	D

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05130105	WEST FORK OBEY RIVER NEAR ALLRED, TN	361852	0851053	047	133	SW	70.80	004	1979		A	A		A	USGS	D
05130105	WEST FORK OBEY RIVER NEAR ALPINE, TENN.	362349	0851028	047	133	SW	115.00	004	1965		Q				USGS	D
05130105	WOLF RIVER AT WOLF RIVER, TN	363214	0845709	047	049	SW	41.00	004	1979		A	A		A	USGS	D
05130105	ROTTEN FORK WOLF RIVER NEAR PALL MALL, TN.	363220	0845656	047	049	SW	21.61	004	1979		A	A		A	USGS	D
05130105	WOLF RIVER NEAR BYRDSTOWN, TENN.	363337	0850423	047	137	SW	106.00		1964		Q				USGS	D
05130106	ROARING RIVER ABOVE GAINESBORO, TENN	362104	0853245	047	087	SW	210.00	004	1975		M				USGS	D
05130107	COLLINS RIVER AT BARKERTOWN, TN	352335	0853400	047	061	SW	22.90	004	1979		A	A		A	USGS	D
05130107	COLLINS RIVER NEAR TARLTON, TENN	353104	0854027	047	061	SW	174.00		1962		A	A		A	USGS	D
05130107	SCOTT CREEK AT IRVING COLLEGE, TN.	353417	0854242	047	177	SW	34.12	004	1979		A	A		A	USGS	D
05130107	HILLS CREEK NEAR IRVING COLLEGE, TN.	353406	0854049	047	177	SW	55.59	004	1979		A	A		A	USGS	D
05130107	HICKORY CREEK NEAR VIOLA, TN	353432	0855102	047	177	SW	58.20	004	1979		A	A		A	USGS	D
05130107	COLLINS RIVER NEAR MCMINNVILLE, TENN.	354232	0854346	047	177	SW	640.00	004	1964		Q				USGS	
05130108	CANEY FORK AT CLIFTY, TENN.	355328	0851305	047	035	SW	111.00	004	1965		Q				USGS	D
05130108	CLIFTY CREEK AT MOBRA,TN	355310	0851505	047	185	SW	14.80	004	1979		A	A		A	USGS	D
05130108	BEE CREEK AT LANTANA RD AT WINESAP, TN	354546	0851009	047	007	SW	16.90	004	1979		A	A		A	USGS	D
05130108	BEAVERDAM CR AT LANTANA RD NEAR BELLVIEW, TN	354407	0851143	047	007	SW	17.00	004	1979		A	A		A	USGS	D
05130108	GLADE CREEK NEAR LONEWOOD, TN.	354535	0851557	047	007	SW	39.13	004	1979		A	A		A	USGS	D
05130108	CANE C NR SPENCER, TENN.	354436	0852333	047	175	SW	134.00	004	1965		A	A		A	USGS	D
05130108	CALFKILLER RIVER NEAR TAYLORS, TN	360153	0852010	047	185	SW	37.70		1979		A	A		A	USGS	D
05130108	CALFKILLER RIVER BELOW SPARTA, TENN.	355431	0852846	047	185	SW	175.00	004	1965		Q				USGS	D
05130108	ROCKY RIVER AT ROCKY R ROAD AT RIVERVIEW, TN	354204	0853440	047	175	SW	72.00	004	1979		A	A		A	USGS	D
05130108	CANEY FORK NEAR ROCK ISLAND, TENN.	354826	0853744	047	185	SW	1678.00		1964		Q				USGS	D
05130108	FALLING WATER R AT ST. HWY 42,NR COOKEVILLE,	360454	0853021	047	185	SW	38.00	004	1979		A	A		A	USGS	D
05130108	SHORT CREEK TRIB AT COOKEVILLE,TN	360901	0853026	047	141	SW	1.15	003	1977	1978	Q				USGS	D
05130201	CUMBERLAND RIVER AT CARTHAGE, TENN.	361453	0855719	047	159	SW	10690.00	014	1965		M	M			USGS	D
05130201		361900	0860800	047		SW			1979			A			USTVA	D
05130201		361600	0860400	047		SW			1979			A			USTVA	D
05130201		361900	0860800	047		SW			1979			A			USTVA	D
05130201		362100	0860800	047	169	SW			1976			A			USTVA	D
05130201		362002	0862723	047	165	SW			1979			A			USTVA	D
05130201		361837	0862440	047	165	SW			1979			A			USTVA	D
05130201		362042	0862049	047	165	SW			1979			A			USTVA	D
05130202	RICHLAND C AT CHARLOTTE AVE., AT NASHVILLE,	360904	0865116	047	037	SW	24.30		1975		M				USGS	D
05130202	INTERSTATE I-40 STORM SEWER AT NASHVILLE, TN	360858	0864449	047	037	SW	55.60	003	1976		M				USGS	

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05130203	EAST FORK STONES RIVER NEAR LASCASSAS, TENN.	355506	0862002	047	149	SW	262.00		1965		M				USGS	D
05130203	W F STONES R AT MANSON PK, AT MURFREESBORO,	355125	0862443	047	149	SW	165.00	004	1972		M				USGS	D
05130203	WEST FORK STONES RIVER NEAR SMYRNA, TENN.	355625	0862754	047	149	SW	237.00		1965		M				USGS	D
05130204	HARPETH RIVER NEAR KINGSTON SPRINGS, TENN.	360719	0870556	047	021	SW	681.00		1975		M				USGS	D
05130205	CUMBERLAND R BARKLEY LK	364757	0875831	021	221	SW			1977		M				KY001	
05130205	LITTLE R BELOW NTS FORKS	364710	0873248	021	047	SW			1977		M				KY001	
05130205	YELLOW CREEK NEAR SHILOH, TENN.	362055	0873220	047	125	SW	124.00		1964		M				USGS	D
05130205	LITTLE R NR CADIZ,KY.	364640	0874318	021	221	SW	244.00	004	1958		A			A	USGS	D
05130206	SULPHUR FORK RED RIVER ABOVE SPRINGFIELD, TE	363047	0865144	047	147	SW	65.60		1975		M				USGS	D
05130206	SULPHUR FORK RED RIVER NEAR ADAMS, TENN	363055	0870332	047	147	SW	186.00		1964		M				USGS	D
05130206	RED RIVER AT PORT ROYAL, TENN	363317	0870831	047	125	SW	935.00		1975		M				USGS	D
05140101	INDIAN-KENTUCK CREEK NR CANAAN, IND.	385241	0851526	018	077	SW	27.50		1978		R			R	USGS	D
05140101	PLUM CREEK AT WATERFORD, KY.	380305	0852555	021	215	SW	31.80	014	1953	1961	2	E		2	USGS	D
05140102	MILL CR BELOW FORT KNOX	375456	0855401	021	029	SW			1977		M				KY001	
05140102	ROLLING FORK LEBANON JUNCTION	380710	0854830	021	093	SW			1977		M				KY001	
05140102	PLUM CRK SUBWATER SHED NO 4 NR SIMPSONVILLE,	381027	0852205	021	211	SW	1.55	014	1953	1964	2			2	USGS	D
05140102	SALT RIVER AT SHEPHERDSVILLE, KY.	375906	0854303	021	029	SW	1197.00	004	1948		2	E		2	USGS	D
05140102	SALT RIVER AT SHEPHERDSVILLE, KY.	375906	0854303	021	029	SW			1953	1975	M	M	M		USGS	D
05140102	SALT R NR MOUTH	380004	0855633	021	029	SW			1977		M	M	M		USGS	P
05140103	ROLLING FORK NR LEBANON JUNCTION,KY.	374922	0854452	021	029	SW	1375.00		1973		E	E		E	USGS	D
05140104	BLUE RIVER NEAR WHITE CLOUD, IND	381415	0861342	018	061	SW	476.00		1968	1979	R	E		R	USGS	D
05140201	OHIO R AT CANNELTON DAM, KY	375358	0864220	021	091	SW	97000.00		1973		R	R		R	USGS	D
05140201	MIDDLE FORK ANDERSON RIVER AT BRISTOW, IND.	380819	0864316	018	123	SW	39.80		1964	1979	A	E		A	USGS	D
05140202	CANOE CREEK NEAR HENDERSON, KY	374711	0873530	021	101	SW	56.00	004	1979		A			A	USGS	D
05140202	BEAVERDAM CREEK NEAR CORYDON,KY.	374214	0874152	021	101	SW	14.30	004	1978		A			A	USGS	D
05140203	LUSK CREEK 4MI SE OF EDDYVILLE	372820	0883221	017	151	SW			1975		K				USFS	D
05140204	SOUTH FORK SALINE RIVER AT NEW DENNISON, IL	374040	0885138	017	199	SW	61.30	004	1971		A	A		A	USGS	D
05140204	SUGAR CREEK NEAR STONEFORT, IL	373919	0884548	017	199	SW	35.40	004	1975		A	A		A	USGS	D
05140204	SOUTH FORK SALINE RIVER NEAR CARRIER MILLS,	373816	0884040	017	165	SW	147.00	004	1974		A	A		A	USGS	D
05140204	BANKSTON FORK NEAR CARRIER MILLS, IL	374341	0883802	017	165	SW	35.50	004	1971		A	A		A	USGS	D
05140204	BRUSHY CREEK NEAR HARCO, IL	374630	0883908	017	165	SW	13.30	004	1974		A	A		A	USGS	D
05140204	BRUSHY CREEK TRIBUTARY NEAR HARCO, IL	374633	0883709	017	165	SW	4.04	004	1975		A	A		A	USGS	D
05140204	SALINE RIVER AT EQUALITY, IL	374353	0882027	017	059	SW	559.00	004	1975		A	A			USGS	D
05140204	RECTOR CREEK NEAR TEXAS CITY, IL	375301	0882605	017	165	SW	76.40	004	1975		A	A			USGS	D

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05140204	EAGLE CREEK NEAR EQUALITY, IL	373903	0882328	017	165	SW	8.51	004	1974		A	A		A	USGS	D
05140205	TRADEWATER R AT POOLS MILL BR NR DAWSON SPRI	370430	0873446	021	047	SW	60.40	004	1966		A			A	USGS	D
05140205	TRADEWATER RIVER AT OLNEY, KY.	371326	0874653	021	033	SW	255.00	004	1948		2	R		2	USGS	D
05140205	CLEAR C AT HWY 70 BR NR RICHLAND	371746	0873418	021	107	SW	17.00	004	1966		A			A	USGS	D
05140205	CRABORCHARD CK NR CLAY, KY	372744	0874646	021	233	SW			1965		A			A	USGS	D
05140206	TENNESSEE RIVER AT HIGHWAY 60,NEAR PADUCAH,K	370216	0883146	021	145	SW	40330.00	014	1972		E	E		E	USGS	D
05140206	MASSAC CREEK NR PADUCAH. KY.	370229	0884239	021	145	SW	14.60	004	1978		K			K	USGS	D
05140206	OHIO R AT LOCK AND DAM 53 NR GRAND CHAIN ILL	371211	0890230	017	153	SW	203100.00	014	1953		R	R		R	USGS	D

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	TENNESSEE REGION 06															
060020 L	W CHICKAMAUGA C AT GA HWY 196			013	047	SW			1976		A	A			GA009	P
06010101	N F HOLSTON R NR GATE CITY VA	363631	0823405	051	169	SW	672.00	004	1945		A				USGS	D
06010102	REEDY CREEK AT OREBANK, TENN.	363342	0822736	047	163	SW	36.30		1963		M				USGS	D
06010103	WATAUGA RIVER NEAR SUGAR GROVE, N. C.	361418	0814922	037	189	SW	90.80		1951	1979	R			R	USGS	D
06010103	DOE RIVER AT ELIZABETHTON, TENN.	362040	0821237	047	019	SW	137.00		1958		M				USGS	D
06010104	HOLSTON RIVER NEAR KNOXVILLE, TENN.	360056	0834954	047	093	SW	3747.00		1965		Q	Q		Q	USGS	D
06010105	FRENCH BROAD RIVER AT ROSMAN N C	350832	0824928	037	175	SW	67.90		1944	1979	R			R	USGS	D
06010105	DAVIDSON RIVER NEAR BREVARD, N.C.	351623	0824221	037	175	SW	40.40	004	1954	1979	K			K	USGS	D
06010105	FRENCH BROAD RIVER AT BLANTYRE N C	351756	0823727	037	175	SW	296.00		1951	1979	N			N	USGS	D
06010105	NORTH FORK MILLS RIVER ABOVE MILLS RIVER N C	352425	0823847	037	089	SW	18.60		1973	1979	S				USGS	D
06010105	MILLS RIVER NEAR MILLS RIVER, N. C.	352356	0823546	037	089	SW	66.70	024	1946	1979	K			K	USGS	D
06010105	FRENCH BROAD RIVER AT BENT CREEK N C	353007	0823535	037	021	SW	676.00	014	1961	1979	N			N	USGS	D
06010105	HOMINY CREEK AT CANDLER, N.C.	353228	0824035	037	021	SW	79.80	024	1968		N			N	USGS	D
06010105	BEETREE CREEK NEAR SWANNANOA N C	353911	0822420	037	021	SW	5.46	004	1955	1979	Z				USGS	D
06010105	SWANNANOA RIVER AT BILTMORE, N. C.	353406	0823242	037	021	SW	130.00	124	1955	1979	K			K	USGS	D
06010105	FRENCH BROAD RIVER AT ASHEVILLE, N. C.	353632	0823441	037	021	SW	945.00		1949		N			N	USGS	D
06010105	FRENCH BROAD RIVER AT MARSHALL, N. C.	354710	0823939	037	115	SW	1332.00	124	1956		R			R	USGS	D
06010106	W FK PIGEON R AB LAKE LOGAN NEAR HAZELWOOD N	352346	0825617	037	087	SW	27.60	004	1955		K			K	USGS	D
06010106	W FK PIGEON R BL LAKE LOGAN NR WAYNESVILLE N	352638	0825446	037	087	SW	55.30	014	1955	1979	N			N	USGS	D
06010106	EAST FORK PIGEON RIVER NEAR CANTON, N.C.	352742	0825212	037	087	SW	51.50	004	1954	1979	N			N	USGS	D
06010106	PIGEON RIVER AT CANTON, N. C.	353130	0825028	037	087	SW	133.00		1961	1979	R			R	USGS	D
06010106	PIGEON RIVER NEAR HEPCO, N. C.	353807	0825922	037	087	SW	350.00	014	1955		R			R	USGS	D
06010106	CATALOOCHEE CREEK NEAR CATALOOCHEE N C	354002	0830423	037	087	SW	49.20	004	1961		Q			Q	USGS	D
06010107	LITTLE PIGEON RIVER AT SEVIERVILLE, TENN.	355242	0833440	047	155	SW	353.00		1967		M				USGS	D
06010107	FRENCH BROAD RIVER NEAR KNOXVILLE, TENN.	355730	0834626	047	093	SW	5101.00	014	1949		M	M			USGS	D
06010108	N TOE R NR FRANK NC	360347	0820054	037	011	SW			1969				M		NC004	
06010108	N TOE R NR SPEAR NC	360006	0820114	037	011	SW			1969				M		NC004	
06010108	N TOE R NR INGALLS NC	355851	0820059	037	011	SW			1969				M		NC004	
06010108	N TOE R NR ALTAPASS NC	355504	0820019	037	121	SW			1969				M		NC004	
06010108	GRASSY C NR SPRUCE PINE NC	355219	0820349	037	121	SW			1969				M		NC004	
06010108	N TOE R BL BUR C AT SPRUCE PINE NC	355452	0820403	037	121	SW			1969				M		NC004	
06010108	N TOE R AT PENLAND NC	355546	0820657	037	121	SW			1969				M		NC004	
06010108	S TOE AT CELO NC	355217	0821149	037	199	SW			1969				M		NC004	
06010108	S TOE R NR NEWDALE NC	355432	0821129	037	199	SW			1969				M		NC004	

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06010108	N TOE R NR RED HILL NC	360047	0821346	037	121	SW			1969				M		NCOO4	
06010108	CANE R AT BURNSVILLE NC	355416	0821959	037	199	SW			1969				M		NCOO4	
06010108	MC INTOSH B NR BURNSVILLE NC	355449	0821814	037	199	SW			1969				M		NCOO4	
06010108	MC INTOSH B AT BURNSVILLE NC	355448	0821813	037	199	SW			1969				M		NCOO4	
06010108	CANE R NR BURNSVILLE NC	355438	0822053	037	199	SW			1969				M		NCOO4	
06010108	BRUSHY C NR INGALLS NC	355723	0815823	037	011	SW			1969				M		NCOO4	
06010108	LOCUST CREEK NEAR CELO N C	354842	0821152	037	199	SW	1.80		1973	1979	A				USGS	D
06010108	SOUTH TOE RIVER NEAR CELO, N. C.	354952	0821104	037	199	SW	43.40	004	1957		Q			Q	USGS	D
06010108	NOLICHUCKY RIVER AT EMBREEVILLE, TENN.	361035	0822727	047	179	SW	805.00	004	1975		M				USGS	D
06010201	TENNESSEE RIVER AT KNOXVILLE, TENNESSEE	355717	0835142	047	093	SW	8934.00		1967	1968	Q				USGS	D
06010201	LITTLE RIVER ABOVE TOWNSEND, TENN.	353952	0834241	047	009	SW	106.00		1962		E	E			USGS	D
06010201	LITTLE RIVER NEAR MARYVILLE, TENN	354710	0835304	047	009	SW	269.00		1967		M				USGS	D
06010201	PISTOL CR AT CALDERWOOD AVE AT ALCOA,TN	354608	0835858	047	009	SW	15.70	003	1978		Q				USGS	D
06010201	CULTON CREEK AT ALCOA, TN	354641	0835946	047	009	SW	11.80		1978	1979	Q				USGS	D
06010201	POND CREEK NEAR ADOLPHUS, TN	354220	0842735	047	105	SW	30.80		1978	1979	Q				USGS	D
06010201	WHITES CREEK AT BAKERS BRIDGE NEAR GLEN ALIC	354750	0844843	047	143	SW	33.80	004	1979		A	A		A	USGS	D
06010201	PINEY CREEK NEAR WESTEL, TN	355114	0844417	047	035	SW	19.00	004	1979		A	A		A	USGS	D
06010201	FALL CREEK NEAR OZONE, TN	355016	0844756	047	035	SW	21.10	004	1979		A	A		A	USGS	D
06010201	PINEY RIVER ABOVE SPRING CITY, TN	354302	0845308	047	143	SW	62.30	004	1979		A	A		A	USGS	D
06010201	PINEY R AT SPRING CITY TENN.	354159	0845117	047	143	SW	95.90		1965		Q				USGS	D
06010201	TENNESSEE RIVER AT WATTS BAR DAM (TAILWATER)	353713	0844700	047	143	SW	17310.00		1974		Q	Q		Q	USGS	D
06010202	CARTOOGECHAYE CREEK NEAR FRANKLIN N C	350931	0832339	037	113	SW	57.10	004	1968	1979	N			N	USGS	D
06010202	PEEKS CREEK AT SR 1678 NEAR GNEISS N C	350708	0831740	037	113	SW			1973		Z				USGS	D
06010202	LITTLE TENNESSEE RIVER AT NEEDMORE, N. C.	352011	0833139	037	173	SW	436.00		1968		K			K	USGS	D
06010202	NANTAHALA RIVER NEAR RAINBOW SPRINGS, N. C.	350735	0833711	037	113	SW	51.90	014	1968	1979	N			N	USGS	D
06010202	NANTAHALA RIVER AT NANTAHALA, N. C.	351755	0833922	037	173	SW	144.00		1968	1979	N			N	USGS	D
06010202	ALARKA C NR BRYSON CITY N C	352330	0832916	037	173	SW	27.20		1965	1968	E				USTVA	P
06010203	SCOTT C AT CITY HALL BR AT SYLVA	352229	0831323	037	099	CN			1968		M				NCOO4	
06010203	SCOTT C BL SYLVA NC	352208	0831456	037	099	SW			1969		M				NCOO4	
06010203	TUCKASEGEE R AT BARKERS CREEK NC	352304	0831730	037	099	SW			1969		M				NCOO4	
06010203	TUCKASEGEE R AT US 19 NR BRYSN CY	352554	0832452	037	173	SW			1968		M				NCOO4	
06010203	TUCKASEGEE RIVER AT DILLSBORO, N.C.	352159	0831538	037	099	SW	347.00	014	1955	1979	R			R	USGS	D
06010203	MINGUS CREEK AT RAVENSFORD	353112	0831830	037	173	SW	4.70	004	1973	1979	A				USGS	D
06010203	OCONALUFTEE RIVER AT BIRDTOWN, N. C.	352742	0832113	037	173	SW	184.00	004	1949	1979	R			R	USGS	D

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06010203	TUCKASEGEE RIVER AT BRYSON CITY, N. C.	352540	0832650	037	173	SW	655.00	014	1961		N			N	USGS	D
06010203	TUCKASEGEE R 31.6 AT DILLSBORO NC	352159	0831538	037	099	SW			1973		M				USTVA	C
06010204	TELLICO RIVER AT TELLICO PLAINS, TENN.	352142	0841644	047	123	SW	118.00		1963		M				USGS	D
06010204	NF CITICO C NR TELLICO PLAINS TN	352351	0840426	047	123	SW	7.04		1960	1971	B				USTVA	P
06010205	CLINCH RIVER AT SPEERS FERRY, VA	363855	0824502	051	169	SW	1126.00	004	1930		R			A	USGS	D
06010205	CLINCH RIVER ABOVE TAZEWELL, TENN.	362530	0832354	047	025	SW	1474.00	004	1961		Q				USGS	D
06010205	BIG CREEK AT LA FOLLETTE, TENN	362319	0840733	047	013	SW	24.00	004	1950		A	A		A	USGS	D
06010205	COVE CREEK ABOVE COVE LAKE, NEAR CARYVILLE,	361825	0841335	047	013	SW	23.80	004	1979		A	A		A	USGS	D
06010206	MULBERRY CREEK AT ALANTHUS HILL, TN	363318	0832251	047	067	SW	23.90		1978	1979	Q				USGS	D
06010206	POWELL RIVER NEAR ARTHUR TN	363230	0833749	047	025	SW	685.00	004	1961		Q				USGS	D
06010206	OLD TOWN CREEK NEAR RED HILL, TN.	363145	0834426	047	025	SW	6.72	004	1979		A	A		A	USGS	D
06010206	DAVIS CREEK NEAR SPEEDWELL, TN	362636	0835459	047	025	SW	31.20	004	1979		A	A		A	USGS	D
06010207	K-25 PUMPING STATION	355425	0842334	047	145	SW			1962		E				USERD	P
06010207	COAL CR AT LAKE CITY TENN.	361314	0840927	047	001	SW	24.50		1965		Q				USGS	D
06010207	BULLRUN CREEK NEAR HALLS CROSSROADS, TENN	360652	0835916	047	093	SW	68.50		1965		Q				USGS	D
06010207	CLINCH RIVER AT MELTON HILL DAM (TAILWATER),	355307	0841803	047	105	SW	3343.00		1973		K	K		K	USGS	D
06010207	POPLAR C AT BATLEY RD NR OLIVER SPRINGS, TEN	360157	0841816	047	001	SW	30.30	004	1961		A	A		A	USGS	D
06010207	POPLAR CREEK NEAR OAK RIDGE, TENN.	355955	0842023	047	145	SW	82.50		1960		Q				USGS	D
06010207	EAST FORK POPLAR CREEK NEAR OAK RIDGE, TENN.	355758	0842130	047	145	SW	19.50		1960		Q				USGS	D
06010207		360200	0841000	047	001	SW			1975			A			USTVA	D
06010207		355400	0843000	047	145	SW			1975			A			USTVA	D
06010208	ROCK CREEK NEAR GOBEY, TN	360802	0843731	047	129	SW	31.20	004	1979		A	A		A	USGS	D
06010208	EMORY RIVER NEAR WARTBURG, TENN.	360646	0843654	047	129	SW	83.20		1965		Q				USGS	D
06010208	DADDYS CR NR HEBBERTSBURG, TENN.	355953	0844924	047	035	SW	139.00	004	1965		Q				USGS	D
06010208	WHITE CREEK AT TWIN BRIDGES, TN	361040	0844801	047	129	SW	38.40	004	1979		A	A		A	USGS	D
06010208	CLEAR C NR LANCING TENN	360718	0844446	047	129	SW	153.00	004	1966		Q				USGS	D
06010208	OBED RIVER NEAR LANCING, TENN.	360453	0844015	047	129	SW	518.00	004	1963		Q				USGS	D
06010208	ISLAND CREEK NEAR CATOOSA, TN	360310	0864001	047	129	SW	18.40	004	1979		A	A		A	USGS	D
06010208	CROOKED F NR WARTBURG TENN	360505	0843318	047	129	SW	50.30	004	1965		Q				USGS	D
06010208	CRAB ORCHARD CREEK NEAR DEERMONT, TENN.	360040	0843644	047	129	SW	33.70	004	1965		Q				USGS	D
06010208	EMORY RIVER AT OAKDALE, TENN.	355859	0843329	047	129	SW	764.00	004	1960		Q				USGS	D
06010208	EMORY RIVER AT GOBEY (035382968),TN	360858	0843550	047	129	SW	43.30	004	1979		Q				USGS	D
06020001	LITTLE SEWEE CREEK NEAR CENTER POINT, TENN	353554	0844213	047	121	SW	32.30		1978	1979	Q				USGS	D
06020001	SEWEE CREEK NEAR DECATUR, TENN.	353453	0844453	047	121	SW	117.00		1975	1979	Q				USGS	D

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06020001	RICHLAND CREEK NEAR DAYTON, TENN.	353017	0850120	047	143	SW	50.20		1966		Q				USGS	D
06020001	SALE CREEK NEAR SALE CREEK, TN	352535	0850524	047	065	SW	57.20	004	1979		A	A		A	USGS	D
06020001	SODDY C AT SODDY TENN	351805	0850956	047	065	SW	49.00	004	1967		A	A		A	USGS	D
06020001	WOLFTEVER CREEK NEAR OOLTEWAH, TENN	350343	0850359	047	065	SW	18.80		1964		Q				USGS	D
06020001	NORTH CHICKAMAUGA CREEK NEAR DAISY, TN	351320	0851316	047	065	SW	62.60	004	1979		A	A		A	USGS	D
06020001	TENNESSEE RIVER AT CHATTANOOGA, TENN.	350512	0851643	047	065	SW	21400.00		1967		Q				USGS	D
06020001	SUCK CREEK NEAR CHATTANOOGA, TN	350728	0852326	047	065	SW	22.60	004	1979		A	A		A	USGS	D
06020002	MILL CR4 PHEASANT BR	345155	0834104	013	281	SW			1972		A				USFS	D
06020002	HIWASSEE RIVER ABOVE MURPHY, N.C.	350450	0840010	037	039	SW	406.00		1968	1979	K			K	USGS	D
06020002	VALLEY RIVER AT TOMOTLA, N. C.	350820	0835850	037	039	SW	104.00		1960	1979	K			K	USGS	D
06020002	OOSTANAULA CREEK NEAR SANFORD, TENN.	351939	0844219	047	107	SW	57.00		1975		M				USGS	D
06020003	MILL CR ABOVE HATCHERY	344213	0840907	013	111	SW			1973		R				USFS	D
06020003	TOCCOA RIVER NEAR DIAL, GA.	344724	0841424	013	111	SW	177.00		1963		H			H	USGS	D
06020004	SEQUATCHIE RIVER NEAR PIKEVILLE, TN	353548	0851127	047	007	SW	106.00	004	1979		A	A		A	USGS	D
06020004	SEQUATCHIE RIVER NEAR MT. AIRY, TN.	352441	0852047	047	153	SW	202.00	004	1979		A	A		A	USGS	D
06020004	LITTLE BRUSH CREEK NR DUNLAP, TENN.	352415	0852318	047	153	SW	15.40		1979		A	A		A	USGS	D
06020004	BIG BRUSH CREEK NEAR DUNLAP, TN	352355	0852150	047	153	SW	66.10	004	1979		A	A		A	USGS	D
06020004	WOODCOCK CREEK SOUTHWEST OF DUNLAP, TN	351919	0852601	047	153	SW	15.30	004	1979		A	A		A	USGS	D
06020004	HICKS CREEK AT CARTWRIGHT, TN	351640	0852714	047	153	SW	17.90	004	1979		A	A		A	USGS	D
06020004	SEQUATCHIE RIVER NEAR WHITWELL, TENN.	351222	0852948	047	115	SW	402.00	004	1961		Q				USGS	D
06020004	L SEQUATCHIE R AT SEQUATCHIE, TENN.	350747	0853510	047	115	SW	116.00	004	1965		Q				USGS	D
06030001	BATTLE CR NR MONTEAGLE TENN.	350803	0854615	047	115	SW	50.40		1979		A	A		A	USGS	D
06030001	KELLY COVE CREEK AT SMITHTOWN,TN	350448	0854411	047	115	SW	4.42	004	1979		Q				USGS	D
06030001	SWEDEN CREEK NEAR SOUTH PITTSBURG, TN	350352	0854555	047	115	SW	28.20	004	1979		A	A		A	USGS	D
06030001	TENNESSEE RIVER AT SOUTH PITTSBURG, TENN.	350041	0854151	047	115	SW	22640.00		1950		K	K		K	USGS	D
06030001	CROW CREEK NEAR ANDERSON, TN	355928	0855407	047	051	SW	78.40	004	1979		A	A		A	USGS	D
06030001	GUNTERSVILLE RESERVOIR	343900	0855700	001		SW			1973			N			USTVA	D
06030001		344200	0855501	001		SW			1979			N			USTVA	D
06030001		344328	0855357	001	071	SW			1979			N			USTVA	D
06030002	TENNESSEE RIVER NEAR MORGAN CITY, ALA.	342935	0863104	001	089	SW			1971	1971	R			R	USGS	D
06030002	FLINT RIVER NEAR CHASE AL	344908	0862852	001	089	SW	342.00	004	1962		E			E	USGS	D
06030002	FLINT RIVER NEAR CEDAR GAP, ALA.	344715	0862905	001	089	SW			1971	1973	E			E	USGS	D
06030002	FLINT RIVER NEAR MOUNT CARMEL AL	344713	0862851	001	089	SW	362.00	004	1971		E			E	USGS	D
06030002	TENNESSEE R NR HOBBS ISLAND, ALA.	343146	0863241	001	089	SW			1971	1971	R			R	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
06030002	TENNESSEE RIVER AT WHITESBURG AL	343418	0863329	001	089	SW	25610.00	014	1956	1973	E			E	USGS	D
06030002	ALDRIDGE NEAR LILY FLAGG AL	343744	0863223	001	089	SW	13.90	003	1970	1975	E			E	USGS	D
06030002	ALDRIDGE CREEK NEAR WHITESBURG, ALA.	343501	0863322	001	089	SW	21.00	003	1971	1973	E			E	USGS	D
06030002	TENNESSEE RIVER AT FARLEY, ALA.	343435	0863409	001	089	SW			1971	1971	R			R	USGS	D
06030002	INDIAN CR AT U.S.HWY 72 NR HUNTSVILLE,ALA.	344500	0864151	001	089	SW		004	1971	1973	E			E	USGS	D
06030002	INDIAN CREEK NEAR MADISON AL	344150	0864200	001	089	SW	49.00	004	1959	1979	E			E	USGS	D
06030002	INDIAN C 700 FT DS MARTIN RD NR HUNTSVILLE	343837	0864112	001	089	SW			1971	1973	E			E	USGS	D
06030002	HUNTSVILLE SP BR AT MARTIN RD NEAR HUNTSVILL	343933	0863616	001	089	SW	49.60	003	1971		E			E	USGS	D
06030002	HUNTSVILLE SPRING BR PATTON RD NR HUNTSVILLE	343732	0863746	001	089	SW		003	1971		E			E	USGS	D
06030003	ELK RIVER NEAR MT. VIEW, TN	352129	0855010	047	061	SW	25.70	004	1979		A	A		A	USGS	D
06030003	DRY CREEK NEAR MT.VIEW,TN	351921	0854929	047	061	SW	22.40	004	1979		Q				USGS	D
06030003	ELK RIVER NEAR PELHAM, TENN.	351748	0855212	047	061	SW	65.60		1975		Q				USGS	D
06030003	BETSY WILLIS CREEK NEAR PELHAM, TN	351948	0855512	047	031	SW	11.50	004	1979		A	A		A	USGS	D
06030003	MUD CREEK NEAR ALTO, TN	351628	0855614	047	051	SW	18.40	004	1979		A	A		A	USGS	D
06030003	BEANS CR AT US HWY 41, NEAR HILLSBORO, TN	352243	0855658	047	031	SW	14.80	004	1979		A	A		A	USGS	D
06030003	ELK RIVER NEAR ESTILL SPRINGS, TENN.	351708	0860620	047	051	SW	275.00	014	1969		Q				USGS	D
06030003	BOILING FORK CREEK NEAR DECHERD, TENN	350944	0860337	047	051	SW	37.70		1973		Q				USGS	D
06030003	ELK RIVER ABOVE FAYETTEVILLE, TENN.	350804	0863223	047	103	SW	827.00	014	1959		Q				USGS	D
06030004	WEAKLEY CREEK NEAR BODENHAM, TENN.	351508	0871008	047	055	SW	24.40	004	1966	1969	Q		Q		USGS	
06030004	WEAKLEY C NR BODENHAM TENN	351508	0871008	047	055	SW			1966	1969	E		E		USTVA	
06030005	SHOAL CREEK AT IRON CITY, TENN.	350127	0873444	047	099	SW	348.00	004	1974		M				USGS	D
06030005	YELLOW CREEK NR DOSKIE, MS.	345402	0881735	028	141	SW	143.00	004	1971	1979	Q				USGS	
06030005	YELLOW CREEK AT CROSS ROADS, MS.	345453	0881444	028	141	SW	165.00		1978		R				USGS	D
06030005	YELLOW CREEK AT MILE ONE NR PINE FLAT, MS.	345925	0881248	028	141	SW	198.00	004	1974		N				USGS	D
06030005	PICKWICK RESERVOIR	344500	0875100	001	033	SW			1975			A			USTVA	D
06030005	PICKWICK RESERVOIR <	344711	0875343	001	033	SW			1979			A			USTVA	D
06030005		344530	0875123	001	033	SW			1979			A			USTVA	D
06030005		344406	0874849	001	033	SW			1979			A			USTVA	D
06030006	WF UPPER BEAR C NR MOUNT HOPE ALA	342435	0873053	001	079	SW			1965		W				USTVA	
06030006	EF UPPER BEAR C NR MOUNT HOPE ALA	342428	0873012	001	079	SW			1965		W				USTVA	
06030006	AUSTIN B AT BEAR C ALA	341644	0874219	001	093	SW			1965	1971	B				USTVA	
06030006	MILL C NR BEAR C ALA	341644	0874254	001	093	SW	7.20		1965	1971	B				USTVA	
06030006	WHITEHEAD C NR FORKVILLE ALA	341655	0873330	001	133	SW			1965	1971	B				USTVA	
06030006	WHITEHEAD C NR PEBBLE ALA	341733	0873415	001	133	SW			1965	1971	B				USTVA	

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
06030006	POSEY C NR POSEY MILL ALA	341825	0874529	001	059	SW			1965	1971	B				USTVA	
06030006	L BEAR C BL BATESTOWN BRIDGE ALA	341927	0873942	001	059	SW			1965		E				USTVA	
06030006	BEAR C NR CARROLL CROSSROADS AL	342157	0873203	001	059	SW			1965	1971	W				USTVA	
06030006	BEAR C NR NEWBURG ALA	342309	0873111	001	079	SW			1965	1971	W				USTVA	
06040001	TENNESSEE RIVER AT PICKWICK LANDING DAM (LL)	350354	0881508	047	071	SW	32820.00		1974		Q	Q		Q	USGS	D
06040002	DUCK RIVER BELOW MANCHESTER, TENN	352815	0860718	047	031	SW	107.00		1967		M				USGS	D
06040004	BUFFALO RIVER NEAR FLAT WOODS, TENN.	352945	0874958	047	135	SW	447.00		1963		E	E		E	USGS	D
06040004	BUFFALO RIVER NEAR LOBELVILLE, TENN.	354846	0874751	047	135	SW	707.00	004	1967		A				USGS	D
06040005	CUMBERLAND RIVER NEAR GRAND RIVERS, KY.	370118	0881316	021	143	SW	17598.00	124	1966		E	E		E	USGS	D
06040005	TRACE CREEK ABOVE DENVER, TENN	360308	0875427	047	085	SW	31.90	004	1975		M				USGS	D
06040005	BIG SANDY RIVER AT BRUCETON, TENN	360219	0881342	047	017	SW	205.00		1968		M				USGS	D
06040005		360200	0880000	047		SW			1979			A			USTVA	D
06040006	TENNESSEE RIVER HWY 60 NR PADUCAH	370215	0883146	021	145	SW			1977		M				KY001	
06040006	CLARKS RIVER BENTDN	365225	0882048	021	157	SW			1977		M				KY001	
06040006	CLOVER FORK AT HARLAN, KY.	365050	0831931	021	095	SW	222.00		1978		R			A	USGS	D
06040006	WEST FORK CLARKS RIVER NEAR BREWERS, KY.	364648	0882803	021	157	SW	68.70		1970		A			A	USGS	D
06040010	TENNESSEE R PICKWICK DAM			047	071	SW			1977		M	M	M		USGS	

UPPER MISSISSIPPI REGION 07

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
07002400	FOX R AT WAUKESHA WI			055	133	SW			1977		M	B	B		USGS	
07002600	GRANT R AT BURTON WI			055	043	SW			1977		M	B	B		USGS	
070027 M	CHIPPAWA R NR DURAND WISC			055	091	SW			1974		O	B			USCE	
07002700	TENMILE C NR NEKOOSA WI			055	141	SW			1977		M	B	B		USGS	
07002700	LITTLE PLOVER R AT PLOVER WI			055	097	SW			1977		M	B	B		USGS	
07002700	BIG EAU PLEINE R NR STRATFORD WI			055	073	SW			1977		W	A	A		USGS	
07002700	EAU CLAIRE R AT KELLY WI			055	073	SW			1977		M	B	B		USGS	
07002700	SPIRIT R AT SPIRIT FALLS WI			055	069	SW			1977		M	B	B		USGS	
07002700	TREMPEALEAU R AT ARCADIA WI			055	121	SW			1977		W	A	A		USGS	
07002700	FLAMBEAUR AT BABBS IS NR WINTE			055	113	SW			1977		B				USGS	
07002700	S F FLAMBEAU R NR PHILLIPS WI			055	099	SW			1977		W	A	A		USGS	
07002700	FLAMBEAU R NR BRUCE WI			055	107	SW			1977		E				USGS	
07002700	HAY R AT WHEELER WI			055	033	SW			1977		W	A	A		USGS	
07002700	CHIPPEWA R 3 MILES E OF PEPIN			055	091	SW			1977		M	M	M		USGS	
07002700	BLACK R 3 MILES E OF GALESVILLE			055	121	SW			1977		M	M	M		USGS	P
07002700	LA CROSSE R AT LA CROSSE			055	063	SW			1977		M	M	M		USGS	P
07002700	WISCONSIN R AT BRIDGEPORT			055	023	SW			1977		M	M	M		USGS	P
070028 O	YELLOW BANK R NR ODESSA MN			027	073	SW			1973		O	B			USCE	
070028 O	WHETSTONE R NR BIG STONE CITY SD			046	051	SW			1973		O	B			USCE	
07010101	RICE RIVER, FS ROAD 2182	473900	0943630	027	007	SW			1970		A				USFS	D
07010101	ISLAND CK 11.5MI NW BENA,MN.	473220	0941920	027	061	SW			1976	1976	A				USFS	D
07010102	BEAR RIVER,ROAD 65	471150	0935730	027	021	SW			1970	1978	R				USFS	D
07010104	MISSISSIPPI RIVER NEAR ROYALTON, MN	455140	0942130	027	097	SW	11600.00	014	1963		E	E		E	USGS	D
07010106	CRDW WING RIVER AT NIMROD, MN	463825	0945244	027	159	SW	1010.00		1967	1975	Y	A	A		USGS	D
07010203	ELK RIVER NEAR BIG LAKE, MN	452002	0934000	027	141	SW	615.00	004	1969		E			E	USGS	D
07010204	CROW RIVER AT ROCKFORD, MN	450512	0934402	027	053	SW	2520.00	004	1961		W			W	USGS	D
07010206	MISS R MPLS BARGE TERM MPLS MINN	445830	0931430	027	053	SW			1970		W	B	B		USCE	
07010206	MISSISSIPPI RIVER NEAR ANOKA, MN	450736	0931748	027	053	SW	19100.00	014	1960		O	O	A	O	USGS	D
07010206	MISSISSIPPI RIVER AT ST. PAUL, MN	445640	0930520	027	123	SW	36800.00	004	1955		E	E		E	USGS	D
07020001	WHETSTONE RIVER NEAR BIG STONE CITY, SD	451732	0962914	046	051	SW	389.00	004	1960		O			O	USGS	D
07020001	YELLOW BANK RIVER NEAR ODESSA, MN	451335	0962112	027	073	SW	398.00	004	1960		O			O	USGS	D
07020005	CHIPPEWA RIVER NEAR MILAN, MN	450639	0954757	027	023	SW	1870.00	004	1957		Q			Q	USGS	D
07020006	REDWODD RIVER AT MARSHALL, MN	442705	0954713	027	083	SW	307.00		1967	1967	Y	A	A		USGS	D
07020006	REDWOOD RIVER NEAR REDWODD FALLS, MN	443125	0951020	027	127	SW	697.00	004	1957	1967	P	A	A		USGS	P

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
07020007	MINNESOTA RIVER AT NEW ULM, MN	441929	0942709	027	103	SW	9530.00	004	1966	1980	O	A		O	USGS	D
07020007	COTTONWOOD RIVER NEAR NEW ULM, MN	441740	0942640	027	015	SW	1280.00	004	1961		E	E		E	USGS	D
07020007	MINNESOTA RIVER AT MANKATO, MN	441010	0940015	027	103	SW	14900.00	004	1960		O	A		O	USGS	D
07020009	BUFFALO CREEK	432000	0941000	019	109	SW			1977		W	W	W		USFWS	
07020009	DES MOINES RIVER AT JACKSON, MN	433710	0945910	027	063	SW	1220.00	004	1967		H			H	USGS	D
07020010	WATONWAN RIVER NEAR GARDEN CITY, MN	440245	0941138	027	013	SW	812.00	004	1960	1969	Q			Q	USGS	D
07020012	JUDICIAL DITCH NO. 1A NEAR NEW SWEDEN, MN	442440	0941502	027	103	SW		004	1967	1968	3			3	USGS	D
07020012	MINNESOTA RIVER NEAR JORDAN, MN	444135	0933830	027	019	SW	16200.00	004	1963		E	E		E	USGS	D
07030001	ST. CROIX RIVER NEAR DAIRYLAND, WI	461132	0920416	055	031	SW			1975		A	A		A	USGS	D
07030001	ST. CROIX RIVER NEAR DANBURY, WI	460428	0921450	055	013	SW	1588.00	004	1954		E	E		E	USGS	D
07030001	BASHAW BROOK NEAR SHELL LAKE, WI	454702	0920751	055	013	SW	24.90	004	1968	1978	E		E		USGS	
07030001	CLAM RIVER NEAR WEBSTER, WI	455250	0922915	055	013	SW	364.00	004	1968		R	R		R	USGS	D
07030001	ST. CROIX RIVER AT ST. CROIX FALLS, WI	452425	0923849	055	095	SW	5930.00	014	1954		E	E		E	USGS	D
07030001	CHIPPEWA RIVER NEAR BRUCE, WI	452708	0911539	055	107	SW	1630.00	014	1964	1978	A			A	USGS	D
07030002	NAMEKAGON RIVER NEAR HAYWARD, WI	460306	0912553	055	113	SW			1975		A	A		A	USGS	D
07030002	NAMEKAGON RIVER AT TREGO, WI	455700	0915300	055	129	SW	460.00	004	1975		S	A		S	USGS	D
07030003	KETTLE RIVER NEAR CLOVERDALE, MINN	455413	0924347	027	115	SW			1975		A	A		A	USGS	D
07030004	SNAKE RIVER NEAR PINE CITY, MN	455030	0925600	027	115	SW	958.00		1962		R	A		R	USGS	D
07040001	MISSISSIPPI RIVER AT L&D #3 NEAR RED WING, M	443636	0923636	027	049	SW	46600.00	014	1968		E			E	USGS	D
07040002	STRAIGHT RIVER NEAR FARIBAULT, MN	441529	0931351	027	131	SW	442.00		1967	1968	3	A	A	3	USGS	D
07040002	CANNON RIVER AT WELCH, MINN	443350	0924355	027	049	SW	1320.00		1961	1967	A		A		USGS	D
07040003	NORTH FORK WHITEWATER RIVER NEAR ELBA, MN	440530	0920357	027	169	SW	101.00	004	1967		E	E		E	USGS	D
07040003	WHITEWATER RIVER NEAR BEAVER, MN	440903	0920017	027	169	SW	271.00	004	1974	1978	O	A	A	O	USGS	D
07040003	MISSISSIPPI RIVER AT WINONA, MN	440320	0913815	027	169	SW	59200.00	004	1963		O	E		O	USGS	D
07040004	ZUMBRO RIVER AT ZUMBRO FALLS, MN	441712	0922556	027	157	SW	1130.00	004	1961	1976	2	A		2	USGS	D
07040004	ZUMBRO RIVER AT KELLOGG, MN	441843	0920014	027	157	SW	1400.00	014	1974	1978	O	Q	A	O	USGS	D
07040005	TREMPEALEAU RIVER AT ARCADIA, WI	441515	0913025	055	121	SW	552.00	004	1966	1977	R	A		R	USGS	D
07040005	TREMPEALEAU RIVER AT DODGE, WI	440755	0913314	055	121	SW	643.00	004	1965	1978	N			N	USGS	D
07040006	LA CROSSE RIVER NEAR WEST SALEM, WI	435404	0910705	055	063	SW	398.00	004	1970	1979	A			A	USGS	D
07040006	MISSISSIPPI RIVER AT LA CROSSE, WIS.	434845	0911525	055	063	SW	62800.00	014	1965	1967	E	E		E	USGS	D
07040006	MISSISSIPPI R MC LACROSSE WIS	434823	0911530	055	063	SW			1966		B				WI003	P
07040007	BLACK RIVER AT NEILLSVILLE, WI	443335	0903654	055	019	SW	756.00	004	1964		A			A	USGS	D
07040007	LEVIS CREEK AT BLACK RIVER FALLS, WIS.	441842	0904823	055	053	SW	39.70	004	1969	1974	S			S	USGS	D
07040007	BLACK RIVER NEAR GALESVILLE, WI	440422	0911741	055	063	SW	2120.00	001	1964		W	K		W	USGS	D

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07040007	BLACK RIVER AT HIGHWAY 93 NEAR TREMPEALEAU,	435959	0911943	055	063	SW			1974		O	R		O	USGS	D
07040008	ROOT RIVER NEAR LANESBORO, MN	434458	0915843	027	045	SW	615.00	004	1961	1971	5	A		5	USGS	D
07040008	ROOT RIVER NEAR HOUSTON, MN	434605	0913511	027	055	SW	1270.00	004	1961		O	A		O	USGS	D
07040008	SOUTH FORK ROOT RIVER NEAR HOUSTON, MN	434419	0913350	027	055	SW	275.00	004	1967		O			O	USGS	D
07050001	TWO L STP EFFLUENT LYSIMETER #1	461100	0905500	055	007	SW			1974		E				USFS	D
07050001	TWO L STP EFFLUENT LYSIMETER #2	461100	0905500	055	007	SW			1974		R				USFS	D
07050001	TWO L STP EFFLUENT COMPOSITE	461100	0905500	055	007	SW			1974		E				USFS	D
07050001	TWO LAKES STP EFFLUENT QUALITY	461100	0905500	055	007	SW			1974		K				USFS	D
07050001		461100	0905500	055	007	SW			1974	1977	E				USFS	D
07050001		461100	0905500	055	007	SW			1974	1978	E				USFS	D
07050002	SMITH CREEK NEAR PARK FALLS, WI	455706	0902807	055	099	SW	9.11	004	1975	1975	A			A	USGS	D
07050002	PINE CREEK NEAR OXBO, WI	455412	0904100	055	113	SW	37.80	004	1974	1975	K			K	USGS	D
07050002	FLAMBEAU RIVER AT BABBS ISLAND, WI	454607	0904541	055	113	SW	1000.00	014	1965	1968	E			E	USGS	D
07050002	SOUTH FORK FLAMBEAU RIVER NEAR PHILLIPS, WI	454208	0903658	055	099	SW	615.00	004	1966	1973	A			A	USGS	D
07050002	FLAMBEAU RIVER NEAR BRUCE, WI	452221	0911234	055	107	SW	1900.00	014	1964	1978	E			E	USGS	D
07050004	DOUGLAS CREEK NEAR PRENTICE, WI	453106	0901528	055	099	SW	24.60	004	1975	1975	A			A	USGS	D
07050005	BRUSH CREEK EFFLUENT QUALITY	451319	0904130	055	119	SW			1974	1974	R				USFS	D
07050005	JUMP RIVER AT SHELDON, WI	451829	0905723	055	107	SW	574.00	004	1964		A			A	USGS	D
07050005	CHIPPEWA RIVER AT CHIPPEWA FALLS, WI	445537	0912433	055	017	SW	5600.00	014	1973	1978	A			A	USGS	D
07050005	CHIPPEWA RIVER NEAR CARYVILLE, WI	444538	0914030	055	035	SW			1970	1979	K	R		K	USGS	D
07050005	CHIPPEWA RIVER AT DURAND, WI	443740	0915810	055	091	SW	9010.00	014	1954		W	E		W	USGS	D
07050005	EAU GALLE RIVER AT SPRING VALLEY, WI	445110	0921417	055	093	SW	64.80	014	1967	1978	R			R	USGS	D
07050005	PLUM CREEK NEAR ELLA, WI	443225	0920423	055	091	SW			1974		R			R	USGS	D
07050005	CHIPPEWA RIVER NEAR PEPIN, WI	442615	0920430	055	011	SW			1976		N	A		N	USGS	D
07050006	EAU CLAIRE RIVER NEAR FALL CREEK, WI	444835	0911650	055	035	SW	758.00	004	1965	1974	A			A	USGS	D
07050007	HAY RIVER AT WHEELER, WI	450252	0915439	055	033	SW	426.00	004	1964		A	E		A	USGS	D
07060001	COON CREEK AT COON VALLEY, WI	434215	0910105	055	125	SW	77.20	004	1935	1938	O				USGS	P
07060001	COON CREEK NEAR STODDARD, WI	433950	0910910	055	123	SW	119.00	004	1935	1938	O				USGS	P
07060001	NORTH FORK BAD AXE RIVER NEAR GENOA, WI	433310	0910858	055	123	SW	80.90	004	1964	1970	E			E	USGS	D
07060001	VILLAGE CREEK AT VILLAGE CREEK, IOWA	431840	0911412	019	005	SW	58.50	004	1966		E			E	USGS	D
07060001	PAINT CREEK AT WATERVILLE, IOWA	431237	0911821	019	005	SW	42.80	004	1951	1966	A			2	USGS	D
07060001	MISSISSIPPI RIVER AT MCGREGOR, IOWA	430129	0911021	019	043	SW	67500.00		1974		O	M	M	O	USGS	D
07060001	MISSISSIPPI RIVER AT MCGREGOR, I	430129	0911021	019	043	SW			1946		E			E	USGS	D
07060001	WISCONSIN R AT RAINBOW LK NEAR LAKE TOMAHAWK	454958	0893251	055	085	SW	744.00	014	1966		A			A	USGS	D

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07060001	SPIRIT RIVER AT SPIRIT FALLS, WI	452658	0895847	055	069	SW	81.60	004	1954	1975	E	E	E		USGS	D
07060001	NORTH FORK NEDERLO CREEK NR FAIRVIEW, WIS.	432158	0905952	055	023	SW			1975	1975	A				USGS	D
07060001	MISSISSIPPI R STODDARD	433710	0911323	055	123	SW			1966		B				WI003	P
07060001	MISSISSIPPI R DAM NO 8 GENOA WIS	433407	0911342	055	123	SW			1966		B				WI003	P
07060001	MISSISSIPPI R THIEF SL BOAT LANDIN	433317	0911400	055	123	SW			1966		B				WI003	P
07060001	MISSISSIPPI R BOAT RAMP VICTORY WI	432803	0911311	055	123	SW			1966		B				WI003	P
07060002	UPPER IOWA RIVER AT DECORAH, IOWA	431819	0914748	019	191	SW	511.00	004	1961		E	E		2	USGS	D
07060002	UPPER IOWA R NR DORCHESTER IA	432516	0913031	019	005	SW	770.00		1977		O			O	USGS	D
07060002	UPPER IOWA R NR DORCHESTER IA	432516	0913031	019	005	SW	700.00		1975		A	A		A	USGS	D
07060003	TURKEY RIVER AT GARBER, IOWA	424424	0911542	019	043	SW	1545.00	004	1956		2			2	USGS	D
07060003		424424	0911542	019		SW			1978		O	M	M	O	USGS	D
07060003	GRANT RIVER AT BURTON, WI	424313	0904909	055	043	SW	269.00	004	1954		W	E	E	W	USGS	D
07060003	PLATTE RIVER NEAR ROCKVILLE, WI	424352	0903825	055	043	SW	142.00	004	1965	1979	A	E		A	USGS	D
07060003	LITTLE MAQUOKETA RIVER NEAR DURANGO, IOWA	423318	0904446	019	061	SW	130.00	004	1944	1973	E			E	USGS	D
07060004	TURKEY RIVER AT SPILLVILLE, IOWA	431228	0915656	019	191	SW	177.00	004	1965	1973	R			R	USGS	D
07060005	MISSISSIPPI R AT EAST DUBUQUE ILL	422950	0903850	017	085	SW			1942		O	B			USCE	
07060005	GALENA R AT BUNCOMBE WISCONSIN	423050	0902240	055	065	SW			1942	1967	O	B			USCE	
07060005	GALENA RIVER AT BUNCOMBE, WI	423049	0902240	055	065	SW	125.00	004	1970	1978	A			A	USGS	D
07060005	GALENA RIVER AT GALENA, IL	422450	0902540	017	085	SW	196.00	004	1975		A			A	USGS	D
07060006	BEAR CREEK NEAR MONMOUTH, IOWA	420218	0905259	019	097	SW	61.30	004	1966	1975	E			E	USGS	D
07060006	MAQUOKETA RIVER NEAR MAQUOKETA, IOWA	420505	0903804	019	097	SW	1553.00	004	1944		W			W	USGS	D
07070002	PRAIRIE RIVER NEAR MERRILL, WI	451409	0893859	055	069	SW	184.00	004	1964		A			A	USGS	D
07070002	WISCONSIN RIVER AT MERRILL, WI	451041	0894052	055	069	SW	2760.00	014	1966	1978	R			R	USGS	D
07070002	EAU CLAIRE RIVER NEAR ANTIGO, WI	450733	0891403	055	067	SW	200.00	004	1975		A			A	USGS	D
07070002	EAU CLAIRE RIVER AT KELLY, WI	445506	0893300	055	073	SW	375.00	004	1954	1975	E	E	E		USGS	D
07070002	WISCONSIN RIVER AT ROTHSCHILD, WI	445309	0893805	055	073	SW	4020.00	014	1976	1978	A			A	USGS	D
07070002	HAMANN CREEK NEAR STRATFORD, WI	445459	0900625	055	073	SW		004	1978		A			A	USGS	D
07070002	BIG EAU PLEINE RIVER NEAR STRATFORD, WI	444919	0900446	055	073	SW	224.00	004	1964		M	A		M	USGS	D
07070002	FENWOOD CREEK AT BRADLEY, WI	444803	0895824	055	073	SW	36.90	004	1974		K			K	USGS	D
07070002	FREEMAN CREEK AT HALDER, WI	444711	0895142	055	073	SW	26.50	004	1974		K			K	USGS	D
07070002	BIG EAU PLEINE RIVER NEAR KNOWLTON, WI	444352	0894534	055	073	SW	363.00	014	1974	1979	Q			Q	USGS	D
07070003	LITTLE PLOVER RIVER NEAR ARNOTT, WI	442805	0892920	055	097	SW	2.24	004	1963	1974	A			A	USGS	D
07070003	LITTLE PLOVER RIVER AT PLOVER, WI	442826	0893144	055	097	SW	19.00	004	1968		Q	E		Q	USGS	D
07070003	BUENA VISTA CREEK NEAR KELLNER, WI	442226	0894152	055	097	SW	44.00	004	1964	1973	A			A	USGS	D

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07070003	TENMILE CREEK DITCH 5 NEAR BANCROFT, WI	441808	0893259	055	097	SW	8.80	014	1964	1975	E			E	USGS	D
07070003	TENMILE CREEK NEAR NEKOOSA, WI	441544	0894838	055	141	SW	73.30	004	1963		E	E	E		USGS	D
07070003	FOURTEENMILE CREEK NEAR NEW ROME, WI	441215	0894829	055	001	SW	91.10	004	1974		A			A	USGS	D
07070003	BIG ROCHE A CRI CREEK NEAR HANCOCK, WI	441015	0893459	055	137	SW	9.50	004	1973	1973	A			A	USGS	D
07070003	BIG ROCHE A CRI CREEK NEAR ADAMS, WI	440552	0894630	055	001	SW	52.80	004	1968		E	E	E		USGS	D
07070003	BIG ROCHE A CRI CREEK NR ADAMS, WIS.	440552	0894630	055	001	SW			1942	1975	R	E		R	USGS	D
07070003	YELLOW RIVER AT BABCOCK, WI	441805	0900715	055	141	SW	215.00	004	1965		R			R	USGS	D
07070003	LEMONWEIR RIVER AT NEW LISBON, WI	435247	0900940	055	057	SW	507.00	004	1966		W			W	USGS	D
07070003	HULBERT CREEK NEAR WISCONSIN DELLS, WI	433737	0894936	055	111	SW	11.20	004	1970		M				USGS	D
07070003	HULBERT CREEK NEAR WISCONSIN DELLS, WI	433737	0894836	055	111	SW			1972		Q			Q	USGS	D
07070003	DELL CREEK NEAR LAKE DELTON, WI	433305	0895155	055	111	SW	44.90	004	1956	1978	2			2	USGS	D
07070003	WISCONSIN RIVER NEAR WISCONSIN DELLS, WI	433622	0894525	055	111	SW	8090.00	014	1973		A			A	USGS	D
07070003	PINE RIVER AT SITE 36A AT YUBA, WIS.	433222	0902550	055	103	SW			1974	1975	R			R	USGS	D
07070004	BARABOO RIVER NR. REEDSBURG, WIS.	433043	0895440	055	111	SW			1973	1973	A			A	USGS	D
07070004	NARROWS CREEK AT LOGANVILLE, WI	432632	0900206	055	111	SW	40.10	004	1967	1967	E		E		USGS	
07070004	BARABOO RIVER NEAR BARABOO, WI	432851	0893809	055	111	SW	609.00	004	1965	1979	Q			Q	USGS	D
07070005	BLACK EARTH CREEK AT BLACK EARTH, WI	430803	0894356	055	025	SW	45.60	004	1953		2	E		2	USGS	D
07070005	TROUT CR CONFLUENCE ARNESON CR NR BARNEVELD,	430252	0895648	055	049	SW	8.37	014	1975	1978	O	Q		O	USGS	D
07070005	TROUT CREEK AT TWIN PARKS DAM 8 NR BARNEVELD	430340	0895701	055	049	SW	9.02	004	1975	1978	O	Q		O	USGS	D
07070005	TROUT CREEK AT CTH T NEAR BARNEVELD, WI	430352	0895710	055	049	SW	12.10	004	1975	1978	O	Q		O	USGS	D
07070005	TROUT CREEK NEAR RIDGEWAY, WI	430408	0895757	055	049	SW	13.50	004	1975	1978	O	Q		O	USGS	D
07070005	OTTER CREEK NEAR HIGHLAND, WI	430142	0901638	055	049	SW	16.80	004	1968	1972	A			A	USGS	D
07070005	PINE RIVER AT SITE 36B NEAR HUB CITY, WI	432924	0902200	055	103	SW			1974	1975	R			R	USGS	D
07070005	MALANCTHON CREEK AT SITE 21A NR HUB CITY, WI	433312	0902117	055	103	SW			1974	1975	R			R	USGS	D
07070005	MALANCTHON CREEK AT SITE 21B NR HUB CITY, WI	433208	0902115	055	103	SW			1974	1975	R			R	USGS	D
07070005	W BR PINE RIVER AT SITE 14A4 NR BLOOM CITY,	433120	0902910	055	103	SW			1974	1975	R			R	USGS	D
07070005	W BR PINE RIVER AT SITE 14B NR BLOOM CITY, W	433022	0902824	055	103	SW			1974	1975	R			R	USGS	D
07070005	W BR PINE R TRIB AT SITE 11A1 NR BLOOM CITY,	432910	0902924	055	103	SW			1974	1975	R			R	USGS	D
07070005	W BR PINE R TRIB AT SITE 11A2 NR BLOOM CITY,	432857	0902930	055	103	SW			1974	1975	R			R	USGS	D
07070005	W BR PINE R TRIB AT SITE 11B AT BLOOM CITY,	432912	0902756	055	103	SW			1974	1975	R			R	USGS	D
07070005	FANCY CREEK AT SITE 33A NR GILLINGHAM, WIS.	432726	0902958	055	103	SW			1974	1975	R			R	USGS	D
07070005	FANCY CREEK AT SITE 33B NR GILLINGHAM, WIS.	432649	0902845	055	103	SW			1974	1975	R			R	USGS	D
07070005	FANCY CREEK TRIB AT SITE 9A NR GILLINGHAM, W	432614	0902948	055	103	SW			1974	1975	R			R	USGS	D
07070005	FANCY CREEK TRIB AT SITE 9B1 NR GILLINGHAM,	432558	0902912	055	103	SW			1974	1975	R			R	USGS	D

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07070005	FANCY CREEK TRIB AT SITE 7A3 NR GILLINGHAM,	432459	0902904	055	103	SW			1974	1975	R			R	USGS	D
07070005	FANCY CREEK TRIB AT SITE 7B NR GILLINGHAM, W	432526	0902819	055	103	SW			1974	1975	R			R	USGS	D
07070005	HORSE CREEK AT SITE 32A1 NR RICHLAND CTR, WI	432237	0902644	055	103	SW			1974	1975	R			R	USGS	D
07070005	HORSE C TRIB AT SITE 32A2 NR RICHLAND CTR, W	432226	0902644	055	103	SW			1974	1975	R			R	USGS	D
07070005	HORSE CREEK AT SITE 32B NR RICHLAND CENTER,	432222	0902511	055	103	SW			1974	1975	R			R	USGS	D
07070005	BRUSH CREEK AT SITE 4A1 NR RICHLAND CENTER,	432100	0902643	055	103	SW			1974	1975	R			R	USGS	D
07070005	BRUSH C TRIB AT SITE 4A2 NR RICHLAND CTR, WI	432054	0902631	055	103	SW			1974	1975	R			R	USGS	D
07070005	BRUSH CREEK AT SITE 4B NR RICHLAND CENTER, W	432100	0902555	055	103	SW			1974	1975	R			R	USGS	D
07070005	PINE RIVER AT RICHLAND CENTER, WIS.	431854	0902240	055	103	SW			1974	1975	R			R	USGS	D
07070005	ASH CREEK AT SITE 2A NR RICHLAND CENTER, WIS	431756	0902554	055	103	SW			1974	1975	R			R	USGS	D
07070005	ASH CREEK AT SITE 2B NEAR RICHLAND CENTER, W	431734	0902511	055	103	SW			1974	1975	R			R	USGS	D
07070005	PINE RIVER AT TWIN BLUFFS, WIS.	431637	0901838	055	103	SW			1974	1975	R			R	USGS	D
07070005	WISCONSIN RIVER AT MUSCODA, WI	431154	0902626	055	043	SW	10400.00	014	1954		W	E		W	USGS	D
07070005	BADGER MILL CREEK NEAR VERONA, WI	425752	0893354	055	025	SW			1977		K			K	USGS	D
07070006	KICKAPOO RIVER AT ONTARIO, WI	434318	0903515	055	123	SW			1942	1973	2	R		2	USGS	D
07070006	KICKAPOO RIVER AT ONTARIO, WI	434252	0903513	055	123	SW	150.00	004	1972	1977	E	E		E	USGS	D
07070006	KICKAPOO RIVER NEAR ROCKTON, WI	433646	0903734	055	123	SW	260.00	004	1970	1977	O	E		O	USGS	D
07070006	KICKAPOO RIVER NEAR LA FARGE, WI	433540	0903800	055	123	SW			1970					2	USGS	D
07070006	KICKAPOO RIVER AT LAFARGE, WI	433427	0903835	055	123	SW	266.00	004	1966	1979	E	R		E	USGS	D
07070006	KICKAPOO RIVER AT SOLDIERS GROVE, WI	432340	0904635	055	023	SW	530.00	004	1974	1974	A			A	USGS	D
07070006	NORTH FORK NEDERLO CREEK NEAR GAYS MILLS, WI	432147	0905434	055	023	SW	2.21	004	1966		R	E		E	USGS	D
07070006	SOUTH FORK NEDERLO CREEK NEAR GAYS MILLS, WI	432136	0905431	055	023	SW	4.11	004	1967		R	E		E	USGS	D
07070006	NEDERLO CREEK AT UTICA TN HALL NR GAYS MILLS	432130	0905349	055	023	SW	6.70	004	1966		Q	E		E	USGS	D
07070006	NEDERLO CREEK NEAR GAYS MILLS, WI	432143	0905244	055	023	SW	9.46	004	1966		R	E		E	USGS	D
07070006	KICKAPOO RIVER AT GAYS MILLS, WI	431910	0905108	055	023	SW	617.00	004	1971		Q	E		Q	USGS	D
07070006	KICKAPOO RIVER AT STEUBEN, WI	431127	0905228	055	023	SW	690.00	004	1965		A			A	USGS	D
07080101	MISSISSIPPI RIVER AT CLINTON, IOWA	414653	0901504	019	045	SW	85600.00	004	1967		A	A		A	USGS	D
07080101	CROW C AT BETTENDORF IA	413303	0902715	019	163	SW	17.80		1977	1979	O	Q	Q	M	USGS	D
07080102	WAPSIPINICON R AT INDEPENDENCE, IOWA	422749	0915342	019	019	SW	1048.00	004	1947	1973	2	E		2	USGS	D
07080103	WAPSIPINICON R NR DEWITT IOWA	414555	0903200	019	045	SW			1942		O	B			USCE	
07080103	WAPSIPINICON RIVER NEAR DE WITT, IOWA	414601	0903205	019	045	SW	2330.00	004	1944		R			R	USGS	D
07080104	MISSISSIPPI R AT KEOKUK IOWA	402335	0912225	019	111	SW			1943		O	B			USCE	
07080104	MISSISSIPPI R AT BURLINGTON IOWA	404753	0910539	019	057	SW			1942		O	B			USCE	
07080104	EDWARDS RIVER NEAR NEW BOSTON, IL	411115	0905805	017	131	SW	445.00	004	1963		R				USGS	D

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07080104	HENDERSON CREEK NEAR OQUAWKA, IL	410005	0905115	017	071	SW	432.00	004	1966		W			W	USGS	D
07080104	SOUTH HENDERSON CREEK AT BIGGSVILLE, IL	405125	0905150	017	071	SW	82.90	004	1965	1974	A			A	USGS	D
07080104	MISSISSIPPI RIVER AT KEOKUK, IOWA	402337	0912227	019	111	SW	119000.00		1944		N	A		N	USGS	D
07080105	S SKUNK R BL SQUAW C NR AMES IOWA	420030	0933540	019	169	SW			1967		O	B			USCE	
07080105	SOUTH SKUNK RIVER NEAR OSKALOOSA, IOWA	412119	0923931	019	123	SW	1635.00	004	1946	1973	E			E	USGS	D
07080106	NORTH SKUNK RIVER NEAR SIGOURNEY, IOWA	411803	0921216	019	107	SW	730.00		1946	1973	R			R	USGS	D
07080107	SKUNK RIVER AT AUGUSTA, IOWA	404513	0911640	019	057	SW	4303.00		1966		O	Q	M	O	USGS	D
07080107	SKUNK RIVER AT AUGUSTA, IOWA	404513	0911640	019	057	SW			1944		K	K		K	USGS	D
07080201	CEDAR RIVER NEAR AUSTIN, MN	433810	0925820	027	099	SW	425.00	004	1961	1978	Q	E		Q	USGS	D
07080205	FOUR MILE CREEK NR TRAER IOWA	421206	0923344	019	171	SW			1962	1974	C	C	C		IA007	D
07080205	FOURMILE CREEK NEAR LINCOLN, IOWA	421332	0923639	019	171	SW	13.78	004	1968	1974	2	A	.	2	USGS	D
07080205	HALF MILE CREEK NEAR GLADBROOK, IOWA	421240	0923639	019	171	SW	1.33		1968	1973	2	E		2	USGS	D
07080205	FOURMILE CREEK NEAR TRAER, IOWA	421207	0923344	019	171	SW	19.51	004	1968	1974	2	K		2	USGS	D
07080205	WOLF CR AT LAPORTE CITY, IOWA	421900	0921200	019	013	SW	327.00	004	1970		E			E	USGS	D
07080205	OTTER C NR CEDAR RAPIDS, IOWA	420357	0914427	019	113	SW	65.10	004	1970		E			E	USGS	D
07080205	CEDAR RIVER AT CEDAR RAPIDS, IOWA	415814	0914001	019	113	SW	6510.00		1906	1973	E			2	USGS	D
07080205	PRAIRIE CREEK AT FAIRFAX, IOWA	415522	0914702	019	113	SW	178.00		1971	1975	Q			Q	USGS	D
07080206	SUGAR C NR MOSCOW, IOWA	413400	0910409	019	139	SW	218.00	004	1970		E			E	USGS	D
07080206	CEDAR RIVER NEAR CONESVILLE, IOWA	412436	0911706	019	139	SW	7785.00		1944	1975	R			R	USGS	D
07080207	IOWA RIVER NEAR ROWAN, IOWA	424536	0933723	019	197	SW	429.00	004	1956	1974	2			2	USGS	D
07080208	IOWA R AT MARENGO IOWA	414835	0920420	019	095	SW			1957		O	B			USCE	
07080208	IOWA R AT MARSHALLTOWN IOWA	420405	0925405	019	127	SW			1944	1967	O	B			USCE	
07080208	TIMBER CREEK NEAR MARSHALLTOWN, IOWA	420025	0925115	019	127	SW	118.00	004	1966	1974	E			E	USGS	D
07080208	RICHLAND CREEK NEAR HAVEN, IOWA	415358	0922827	019	171	SW	56.10	004	1966	1966	A			A	USGS	D
07080208	SALT CREEK NR ELBERON, IOWA	415751	0921847	019	171	SW	201.00	004	1966	1973	E			E	USGS	D
07080208	WALNUT CREEK NEAR HARTWICK, IOWA	415006	0922310	019	157	SW	70.90	004	1966	1966	A			A	USGS	D
07080208	BIG BEAR CREEK AT LADORA, IOWA	414458	0921055	019	095	SW	189.00	004	1948	1973	A			A	USGS	D
07080208	IOWA RIVER NEAR MARENGO, IOWA	414841	0920342	019	095	SW	2794.00	004	1968	1975	R			R	USGS	D
07080208	RALSTON CREEK AT IOWA CITY, IOWA	413950	0913048	019	103	SW	3.01		1952	1979	O	A		O	USGS	D
07080209	RAPID CREEK NEAR IOWA CITY, IOWA	414119	0912915	019	103	SW	25.30	004	1948	1973	K			K	USGS	D
07080209	CLEAR CREEK NR CORALVILLE, IOWA	414036	0913555	019	103	SW	98.10	004	1964	1975	R			R	USGS	D
07080209	IOWA RIVER AT IOWA CITY, IOWA	413924	0913227	019	103	SW	3271.00		1906		O	E		O	USGS	D
07080209	SOUTH BRANCH RALSTON CREEK AT IOWA CITY, IOW	413905	0913027	019	103	SW	2.94		1967	1974	K			K	USGS	D
07080209	OLD MANS CR NR IOWA CITY, IOWA	413625	0913640	019	103	SW	201.00	004	1970		E			E	USGS	D

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07080209	ENGLISH RIVER AT KALONA, IOWA	412759	0914256	019	183	SW	573.00		1946	1975	H			H	USGS	D
07080209	IOWA RIVER NEAR LONE TREE, IOWA	412515	0912825	019	103	SW	4293.00	014	1974	1975	R			R	USGS	D
07080209	IOWA RIVER AT COLUMBUS JUNCTION,	411644	0912039	019	115	SW			1976	1976	A	A		A	USGS	D
07080209	IOWA RIVER AT WAPELLO, IOWA	411048	0911057	019	115	SW	12499.00		1944		O	A		X	USGS	D
07080209		411048	0911057	019		SW			1978		O	M		O	USGS	D
07090001	WEST BRANCH ROCK RIVER NEAR WAUPUN, WI	434005	0883910	055	039	SW	41.40	004	1966	1968	E				USGS	D
07090001	SOUTH BRANCH ROCK RIVER AT WAUPUN, WI	433830	0884315	055	039	SW	62.80	004	1968	1968	E				USGS	D
07090001	EAST BRANCH ROCK RIVER NEAR MAYVILLE, WI	433146	0883400	055	027	SW	179.00	004	1964	1972	K			K	USGS	D
07090001	KOSHKONONG CREEK NEAR SUN PRAIRIE, WI	430858	0891413	055	025	SW			1974		A			A	USGS	D
07090001	KOSHKONONG CREEK NEAR DEERFIELD, WI	430333	0890620	055	025	SW			1977		K			K	USGS	D
07090001	YAHARA RIVER AT WINDSOR, WI	431232	0892109	055	025	SW	73.60	004	1976	1978	D	Q			USGS	D
07090001	TOKEN CREEK AT MADISON, WI	431052	0891928	055	025	SW	24.30	004	1967	1978	A				USGS	D
07090001	YAHARA RIVER AT STATE HWY 113 AT MADISON, WI	430903	0892407	055	025	SW	113.00	004	1976		D	Q			USGS	P
07090001	SIX MILE C AT ST HWY 113 AB WAUNAKEE WI			055	025	SW		004	1976		D				USGS	D
07090001	SIXMILE CREEK NEAR WAUNAKEE, WI	431029	0892558	055	025	SW	41.10	004	1976		D	Q			USGS	D
07090001	SPRING CREEK NEAR WAUNAKEE, WI	430825	0892632	055	025	SW		004	1976		K	Q		K	USGS	D
07090001	WARNER PARK STORM DITCH AT MADISON, WI	430735	0892151	055	025	SW	.57	003	1976	1976	D	Q			USGS	D
07090001	PHEASANT BRANCH AT MIDDLETON, WI	430612	0893042	055	025	SW	18.30	004	1974		O	E		O	USGS	D
07090001	PHEASANT BRANCH AT CENTURY AVE AT MIDDLETON,	430616	0892936	055	025	SW	20.80		1974		O	E		O	USGS	D
07090001	PHEASANT BRANCH AT MOUTH AT MIDDLETON, WI	430626	0892901	055	025	SW	23.00		1977		Q			N	USGS	D
07090001	SPRING HARBOR STORM SEWER AT MADISON, WI	430445	0892815	055	025	SW	3.29	003	1976	1978	D	Q			USGS	D
07090001	WILLOW CREEK AT MADISON, WI	430427	0892521	055	025	SW	3.15	003	1972		O	E		O	USGS	D
07090001	WEST BRANCH STARKWEATHER CREEK AT MADISON, W	430538	0892018	055	025	SW		003	1967		K	Q		K	USGS	D
07090001	EAST BRANCH STARKWEATHER CREEK AT MADISON, W	430557	0891954	055	025	SW		003	1967		K	Q		K	USGS	D
07090001	OLBRICH PARK STORM DITCH AT MADISON, WI	430524	0891928	055	025	SW	2.57	003	1976	1978	D				USGS	
07090001	NEVIN WETLAND SITE H AT MADISON, WIS.	430041	0892449	055	025	SW			1974	1975	N	E		N	USGS	D
07090001	NEVIN WETLAND SITE F AT MADISON, WIS.	430054	0892523	055	025	SW			1974	1975	A	E		A	USGS	D
07090001	NEVIN WETLAND SITE B AT MADISON, WIS.	430046	0892439	055	025	SW			1974	1975	H			H	USGS	D
07090001	NEVIN WETLAND SITE G AT MADISON, WIS.	430055	0892512	055	025	SW			1974	1975	K			K	USGS	D
07090001	NEVIN WETLAND SITE A AT MADISON, WIS.	430055	0892456	055	025	SW			1974	1975	K			K	USGS	D
07090001	NEVIN WETLAND SITE D AT MADISON, WIS.	430108	0892423	055	025	SW			1974	1975	M			M	USGS	D
07090001	YAHARA RIVER NEAR MC FARLAND, WI	430032	0891818	055	025	SW	327.00	004	1954		A			A	USGS	D
07090001	DOOR CREEK NEAR COTTAGE GROVE, WI	430254	0891354	055	025	SW	15.30	004	1976		E	E		E	USGS	D
07090001	BADFISH CREEK NEAR COOKSVILLE, WI	425000	0891148	055	105	SW	82.60		1967		K			K	USGS	D

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07090001	ROCK RIVER AT AFTON, WI	423633	0890414	055	105	SW	3340.00	004	1954	1978	A			A	USGS	D
07090001	TURTLE CREEK NEAR CLINTON, WI	423547	0885150	055	105	SW	202.00	004	1940	1975	E	E			USGS	C
07090002	MAUNESHA RIVER NEAR SUN PRAIRIE, WI	431310	0890805	055	025	SW		004	1976		D				USGS	D
07090002	CRAWFISH RIVER AT MILFORD, WI	430600	0885058	055	055	SW	762.00	004	1964	1978	R			R	USGS	D
07090003	PECATONICA RIVER AT DARLINGTON, WI	424040	0900707	055	065	SW	273.00	004	1954	1975	E	E	E		USGS	D
07090003	EAST BR PECATONICA RIVER NEAR BLANCHARDVILLE	424710	0895140	055	065	SW	221.00	004	1965	1978	A			A	USGS	D
07090003	YELLOWSTONE RIVER NEAR BLANCHARDVILLE, WI	424655	0895950	055	065	SW	28.50	004	1956	1979	A			A	USGS	D
07090003	PECATONICA RIVER AT MARTINTOWN, WI	423034	0894758	055	045	SW	1034.00	004	1970	1978	A			A	USGS	D
07090004	MOUNT VERNON CREEK NEAR MOUNT VERNON, WI	425520	0893730	055	025	SW	16.40	004	1954	1978	2			2	USGS	D
07090004	WEST BRANCH SUGAR RIVER NEAR BELLEVILLE, WI	425411	0893354	055	025	SW			1977		K			K	USGS	D
07090004	SUGAR RIVER NEAR BRODHEAD, WI	423642	0892353	055	045	SW	523.00	004	1965		A			A	USGS	D
07090005	ROCK RIVER AT COMO, IL	414700	0894458	017	195	SW	8755.00	004	1970		A	A			USGS	D
07090005	ROCK RIVER NEAR JOSLIN, IL	413335	0901055	017	161	SW	9551.00	004	1974		E	E		E	USGS	D
07090007	GREEN RIVER NEAR GENESEO, IL	412920	0900930	017	073	SW	1003.00	004	1966		W			W	USGS	D
07100004	DES MOINES R NR BOONE IOWA	420440	0935555	019	015	SW			1940		O	B			USCE	
07100004	DES MOINES R NR STRATFORD IOWA	421515	0935950	019	187	SW			1968		O	B			USCE	
07100004	DES MOINES RIVER NEAR SAYLORVILLE, IOWA	414050	0934007	019	153	SW	5841.00	004	1960		W	E		O	USGS	D
07100004	DES MOINES RIVER AT DES MOINES, IOWA	413645	0933715	019	153	SW	6245.00	004	1953	1975	2			2	USGS	D
07100004	EAST FORK HARDIN CREEK NR. CHURDAN, IOWA	420627	0942212	019	073	SW	24.00	004	1966	1974	E			E	USGS	D
07100004	MIDDLE RACCOON RIVER AT PANORA, IOWA	414114	0942215	019	077	SW	440.00	004	1965		E			E	USGS	D
07100006	RACCOON R AT VAN METER IOWA	413200	0935710	019	049	SW			1940		O	B			USCE	
07100006	WALNUT CREEK AT DES MOINES, IOWA	413514	0934211	019	153	SW	80.90		1971	1975	E			E	USGS	D
07100007	M RACCOON R NR BAYARD, IOWA	414700	0943000	019	077	SW	375.00		1970		A	A		A	USGS	D
07100008	WHITEBREAST C NR DALLAS IOWA	411445	0931550	019	125	SW			1962	1967	O	B			USCE	
07100008	SOUTH R NR ACKWORTH IOWA	412015	0932905	019	181	SW			1962		O	B			USCE	
07100008	MIDDLE R NR INDIANOLA IOWA	412525	0933505	019	181	SW			1967		O	B			USCE	
07100008	NORTH R NR NORWALK IOWA	412725	0933910	019	181	SW			1962		O	B			USCE	
07100008	DES MOINES R. BL RACCOON R. AT DES MOINES, I	413430	0933548	019	153	SW	9879.00	004	1943	1973	E	E	E	2	USGS	D
07100008	FOURMILE CREEK AT DES MOINES, IOWA	413650	0933243	019	153	SW	92.70		1971	1975	E			E	USGS	D
07100008	MIDDLE RIVER NEAR INDIANOLA, IOWA	412527	0933509	019	181	SW	503.00	004	1945	1973	2	E		2	USGS	D
07100008	WHITE BREAST CREEK NEAR DALLAS, IOWA	411441	0931608	019	125	SW	342.00	004	1966		2	R		2	USGS	D
07100009	DES MOINES R NR TRACY IOWA	411655	0925130	019	123	SW			1940		O	B			USCE	
07100009	DES MOINES RIVER NEAR TRACY, IOWA	411653	0925134	019	123	SW	12479.00		1944	1973	E			E	USGS	D
07100009	CEDAR CREEK NEAR RUSSEY, IOWA	411309	0925438	019	125	SW	374.00		1969		E			E	USGS	D

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07100009	DES MOINES RIVER AT ST. FRANCISVILLE, MO.	402745	0913400	029	045	SW	14300.00	004	1967		X	M		X	USGS	D
07100009	SUGAR CREEK NEAR KEOKUK, IOWA	402633	0912824	019	111	SW	105.00	004	1965	1975	E	E		E	USGS	D
07110001	FOX RIVER AT BLOOMFIELD, IOWA.	404610	0922505	019	051	SW	87.70	004	1967	1967	A			A	USGS	D
07110004	BAY C AT NEBO ILL	392635	0904745	017	149	SW			1942		O	B			USCE	
07110004	HADLEY C AT KINDERHOOK ILLINOIS	394135	0910855	017	149	SW			1940		O	B			USCE	
07110004	MISSISSIPPI R AT HANNIBAL MISSOURI	394324	0912149	029	127	SW			1943		O	B			USCE	
07110007	SALT R AT JOANNA MO	393225	0914020	029	137	SW			1939	1977	E	E			USCE	
07110009	MILL CREEK	385127	0901630	029	189	SW			1978		M				M0003	
07110009	MISSISSIPPI RIVER AT ALTON, IL	385306	0901051	017	119	SW	171500.00		1967		M	M			USGS	D
07110009	MISSISSIPPI RIVER BELOW ALTON,ILL	385141	0900815	017	119	SW	171500.00	014	1975		M	M		M	USGS	D
07110009	MISS R ALTON WATER INTAKE	385400	0901200	017	119	SW			1977		M	M	M		USGS	P
07120001	KANKAKEE RIVER NEAR NORTH LIBERTY, IND.	413350	0862950	018	141	SW	174.00	004	1978	1979	R			R	USGS	D
07120001	KANKAKEE RIVER AT SHELBY, IND.	411058	0872033	018	089	SW	1779.00		1963		M			M	USGS	D
07120001	KANKAKEE RIVER AT MOMENCE, IL	410936	0874007	017	091	SW	2294.00	004	1974		O			O	USGS	D
07120001	KANKAKEE RIVER NEAR WILMINGTON, IL	412048	0881111	017	197	SW	5150.00	004	1965		W			W	USGS	D
07120002	IROQUOIS RIVER AT ROSEBUD, IND.	410200	0871049	018	073	SW	35.60		1978	1979	R			R	USGS	D
07120002	IROQUOIS RIVER NEAR FORESMAN, IND.	405214	0871824	018	111	SW	449.00		1968	1979	R	A		R	USGS	D
07120002	IROQUOIS RIVER AT IROQUOIS, IL	404925	0873455	017	075	SW	686.00	004	1965		W			W	USGS	D
07120002	IROQUOIS RIVER NEAR CHEBANSE, IL	410029	0874922	017	091	SW	2091.00	004	1965		O			O	USGS	D
07120005	ILLINOIS RIVER AT MARSEILLES, IL	411940	0884310	017	099	SW	8259.00	001	1974		E	E		E	USGS	D
07120006	FOX RIVER AT WAUKESHA, WI	430017	0881437	055	133	SW	126.00	004	1963		E	E	E		USGS	D
07120006	MUKWONAGO RIVER AT MUKWONAGO, WI	425124	0881940	055	133	SW	74.10	004	1961		R			R	USGS	D
07120006	SUGAR CREEK AT ELKHORN, WI	424105	0883050	055	127	SW	6.68	004	1975	1975	A			A	USGS	D
07120006	WHITE RIVER NEAR BURLINGTON, WI	423957	0881903	055	127	SW	110.00	004	1961		R			R	USGS	D
07120006	FOX RIVER AT BURLINGTON, WIS.	424046	0881618	055	101	SW			1973	1973	A			A	USGS	D
07120006	FOX RIVER AT WILMOT, WI	423040	0881045	055	059	SW	868.00	004	1961		A			A	USGS	D
07120006	FOX RIVER NEAR CHANNEL LAKE, IL	422845	0881042	017	097	SW	871.00	004	1975		N			N	USGS	D
07120006	NIPPERSINK CREEK NEAR SPRING GROVE, IL	422637	0881451	017	111	SW	192.00	004	1909		Q			Q	USGS	D
07130005	BIG CREEK AT ST. DAVID, IL	402951	0900312	017	057	SW	26.70	004	1970		O	E		O	USGS	D
07130005	BIG CREEK NEAR BRYANT, IL	402732	0900800	017	057	SW	40.30	004	1970		W	E		O	USGS	D
07130005	SLUG RUN NEAR BRYANT,IL	402824	0900837	017	057	SW	7.90	004	1974		W	Q		O	USGS	D
07130008	SANGAMON RIVER NEAR OAKFORD, IL	400725	0895905	017	125	SW	5093.00	004	1956		A	A		A	USGS	D
07130011	ILLINOIS RIVER AT VALLEY CITY	394210	0903840	017	171	SW	26564.00	001	1974		N	N		K	USGS	D
07130012	BEAR CREEK AT CHESTERFIELD, IL	391607	0900411	017	117	SW	26.70	004	1979		A	A		A	USGS	D

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07130012	HODGES CREEK NEAR ROCKBRIDGE, IL	391610	0901011	017	061	SW	233.00	004	1979		A	A		A	USGS	D
07130012	MACOUPIN CREEK NEAR KANE, IL	391403	0902340	017	061	SW	868.00	004	1974		A	A			USGS	D
07140101	PRAIRIE DU PONT CREEK NEAR CENTREVILLE, IL	383128	0900616	017	163	SW	20.40	003	1975		A	A		A	USGS	D
07140101	MISSISSIPPI RIVER AT ST LOUIS MO	383703	0901058	029	510	SW	697000.00		1959	1979	O	E		O	USGS	D
07140102	MERAMEC RIVER NEAR EUREKA, MO	383020	0903527	029	189	SW	3788.00		1945		2			2	USGS	D
07140105	NORTH FORK COX CREEK AT STEELEVILLE, IL	380041	0893846	017	157	SW	12.80	004	1975		A	A		A	USGS	D
07140105	MARYS RIVER AT WELGE, IL	375722	0894222	017	157	SW	113.00		1978		A	A		A	USGS	D
07140105	MISSISSIPPI RIVER AT THEBES ILL	371300	0892750	017	003	SW	713200.00		1974		R	M		R	USGS	D
07140106	BIG MUDDY RIVER AT PLUMFIELD, IL	375405	0890050	017	055	SW	794.00	004	1974		A	A		A	USGS	D
07140106	SIXMILE CREEK AT DOWELL, IL	375608	0891309	017	077	SW	12.70	004	1975		A	A		A	USGS	D
07140106	LITTLE MUDDY RIVER NEAR ELKVILLE, IL	375301	0891231	017	077	SW	213.00		1978		A	A		A	USGS	D
07140106	SYCAMORE CREEK NEAR CARBONDALE, IL	374230	0891020	017	077	SW	5.56	003	1975		A	A		A	USGS	D
07140106	PIPESTONE CREEK NEAR DENMARK, IL	375758	0892903	017	145	SW	18.70	004	1975		A	A		A	USGS	D
07140106	BRUSHY FORK NEAR DENMARK, IL	375752	0892903	017	145	SW	11.90	004	1975		A	A		A	USGS	D
07140106	GALUM CREEK NEAR PYATTS, IL	375642	0892245	017	077	SW	162.00	004	1975		A	A		A	USGS	D
07140106	BEAUCOUP CREEK NEAR VERGENNES, IL	375412	0892236	017	077	SW	478.00		1978		A	A		A	USGS	D
07140106	BIG MUDDY RIVER AT MURPHYSBORO, IL	374455	0892045	017	077	SW	2169.00	014	1974		E	E		E	USGS	D
07140201	KASKASKIA RIVER AT COOKS MILLS, IL	393459	0882450	017	029	SW	473.00	004	1970		R				USGS	D
07140204	SUGAR CREEK AT ALBERS, IL	383229	0893736	017	027	SW	124.00	004	1974		A	A		A	USGS	D
07140204	KASKASKIA RIVER NEAR VENEDY STATION, IL	382702	0893739	017	189	SW	4393.00	014	1974		N	N		N	USGS	D
07140204	MUD CREEK NEAR MARISSA, IL	381546	0894356	017	163	SW	72.40	004	1974		A	A		A	USGS	D
07140204	SILVER CREEK NEAR TROY, IL	384300	0894945	017	119	SW	154.00	004	1974		A	A		A	USGS	D
07140204	HEBERERS BRANCH NEAR FREEBURG, IL	382620	0895029	017	163	SW	2.55	004	1975		A	A		A	USGS	D
07140204	SILVER CREEK NEAR FREEBURG, IL	382422	0895226	017	163	SW	464.00	004	1974		A	A		A	USGS	D
07140204	DOUGLAS CREEK NEAR SMITHTON, IL	382528	0895914	017	163	SW	16.90	004	1975		A	A		A	USGS	D
07140204	WEST FORK RICHLAND CREEK AT FLORAVILLE, IL	382254	0900243	017	163	SW	15.50	004	1975		A	A		A	USGS	D
07140204	RICHLAND CREEK NEAR HECKER, IL	381926	0895815	017	163	SW	129.00	003	1974		A	A		A	USGS	D
07140204	DOZA CREEK NR LENZBURG, IL	381539	0894912	017	163	SW	17.60		1979		A	A			USGS	D
07140204	DOZA CREEK NEAR NEW ATHENS, IL	381517	0895141	017	163	SW	37.60	004	1975		A	A		A	USGS	D
07140204	LITTLE PLUM CREEK NEAR WALSH, IL	380713	0895050	017	157	SW	17.00	004	1975		A	A		A	USGS	D
07140204	KASKASKIA RIVER AT ROOTS, IL	380058	0895714	017	157	SW	5790.00		1978		A	A		A	USGS	D
07140204	BIG MUDDY RIVER NEAR MOUNT VERNON, IL	381836	0895918	017	081	SW	71.90		1978		A	A			USGS	D

LOWER MISSISSIPPI REGION 08

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
080014 E	MISS R %SW PASS< AT EAST JETTY		0892530	022	075	SW			1974	1974	B	B	B		USCE	C
080014 E	MISS. SOUND AB GRAND IS, MISS.	301120	0892510	022	087	OC			1973	1974	E	E		E	USCE	D
080014 E	MR-GO BRETON SND AT MILE 14.1	293740	0891840	022	075	SW			1966	1969	A			A	USCE	D
080014 E	MR-GO BRETON SND AT MILE 19.0	294000	0892220	022	087	SW			1966	1968	A			A	USCE	D
080014 E	MR-GO AT TOWER 1 MILE 12.2	293615	0891700	022	087	SW			1962	1973	E			E	USCE	D
080014 E	MR-GO AT TOWER 2 MILE 9.5	293412	0891404	022	087	SW			1966	1973	E			E	USCE	D
080014 E	MR-GO AT TOWER 3 MILE 6.0	293255	0891215	022	087	SW			1962	1973	E			E	USCE	D
080014 E	MR-GO AT TOWER 4 MILE 3.0	293121	0891000	022	075	SW			1969	1973	E			E	USCE	D
080014 E	MR-GO BRETON SND AT MILE 18.3	293940	0892150	022	087	SW			1967	1968	E			E	USCE	D
080014 E	MR-GO BRETON SOUND AT RANGE 2620	293900	0892030	022	087	SW			1967		M				USCE	C
080014 E	MR-GO AT MILE 13.7	293740	0891835	022	075	SW			1967	1967	R			R	USCE	D
080014 E	MR-GO AT MI 0.0 %NAV LT C<	292945	0890800	022	075	SW			1970	1973	E			E	USCE	D
080014 E	BRETON SOUND S OF POINT GARDNER	293800	0892800	022	087	ES			1958	1961	W				USCE	C
080014 E	CHANDELEUR SND S OF CHICOT ISL	294330	0891000	022	087	SW			1957	1974	W				USCE	C
080014 E	CHANDELEUR SOUND W OF NORTH IS	295000		022	087	ES			1957	1957	B				USCE	C
080014 E	CHANDELEUR SOUND SW OF NORTH IS	295000		022	087	ES			1957	1957	B				USCE	C
080014 E	CHANDELEUR SWD NR CHANDELEUR IS	295000		022	087	ES			1957	1957	B				USCE	C
080014 E	GULF OF MEXICO NR CHANDELEUR ISL	295000		022	087	ES			1957	1957	B				USCE	C
080014 E	CHANDLR SND 5.0 MI SE PT CHICOT	294100	0891000	022	087	ES			1957	1959	W				USCE	C
080014 E	GULF OF MEX E GRAND GOSIER IS	293330	0890230	022	075	ES			1957	1957	B				USCE	C
080014 E	CHANDELEUR SND NR BRETON IS TRE B	293100	0890830	022	087	ES			1957	1957	B				USCE	C
080014 E	GULF OF MEX S GRAND GOSIER IS	292900	0890430	022	075	ES			1957	1957	B				USCE	C
080014 E	GULF OF MEX 5.75 MI W BRETON IS	292800	0890500	022	075	ES			1958	1958	W				USCE	C
080014 E	CHANDLR SND 10.0 MI SE PT CHICOT	293900	0890600	022	087	ES			1957	1959	W				USCE	C
080014 E	GULF OF MEXICO NR CHANDELEUR IS	293800		022	087	ES			1958	1959	B				USCE	C
080014 E	CHANDLEUR SND 12 MI SE PT LYDIA	294100	0890500	022	087	ES			1958	1958	B				USCE	C
080014 E	CHAND SND 9 MI N W GRD GOSIER IS	293300	0891400	022	075	ES			1958	1959	W				USCE	C
080014 E	MISS R.-NEW ORLEANS-H.P. LONG BR			022		SW			1964	1967		E			USEPA	D
080014 E	MISSISSIPPI R AT NEW ORLEANS LA			032		SW			1965	1967		E			USEPA	D
080015 M	MURFREESBORO ARK			005	109	OT			1936		B				AR001	P
080015 N	AMITY ARK			005	019	SW			1958		B				AR001	P
080015 N	ARKADELPHIA ARK			005	019	SW			1935		B				AR001	P
080015 N	CAMDEN ARK			005	103	SW			1936		B				AR001	P
080015 N	DELIGHT ARK			005	109	SW			1960		B				AR001	P

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080015 N	GLENWOOD ARK			005	109	SW			1936		B				AR001	P
080015 N	MALVERN ARK			005	059	SW			1935		B				AR001	P
080015 N	MOUNT IDA ARK			005	097	SW			1948		B				AR001	P
080015 N	NORMAN ARK			005	097	SW			1935		B				AR001	P
080015 O	BAUXITE ARK			005	125	SW			1939		B				AR001	P
080015 O	BENTON ARK			005	125	SW			1935		B				AR001	P
08001500	YAZOO R AT REDWOOD			028	049	SW			1977		M	M	M		USGS	P
080016 G	MISSISSIPPI R HICKMAN MILE 920.5	363445	0891400	021	075	SW			1966	1966	E	E			USEPA	D
08010100	MISSISSIPPI RIVER AT MEMPHIS, TENN.	350737	0900425	047	157	SW	932800.00	004	1963		E	E		E	USGS	D
08010201	MAYFIELD CR AT MOUTH	365708	0884930	021	039	SW			1977		M				KY001	
08010201	BAYOU DECHIEN CLINTON	363742	0885750	021	105	SW			1977		M				KY001	
08010202	NORTH FORK OBION RIVER NEAR MARTIN, TENN (CE	362420	0885120	047	183	SW	372.00		1979		A	A		A	USGS	D
08010202	OBION RIVER AT OBION, TENN.	361504	0891133	047	131	SW	1852.00		1965		Q	Q		Q	USGS	D
08010202	REELFOOT CREEK NEAR SAMBURG, TENN.	362632	0891747	047	131	SW	110.00		1965	1975	R	R		R	USGS	D
08010202	RUNNING SLOUGH AT LEDFORD, KY	363145	0891802	021	075	SW			1975	1975	R	R		R	USGS	D
08010202	BIG SANDY CREEK AT NEW MARKHAM, TENN	362752	0892334	047	095	SW			1975	1975	R	R		R	USGS	D
08010202	INDIAN CREEK AT SAMBURG, TENN	362309	0892035	047	131	SW			1975	1975	R	R		R	USGS	D
08010202	REELFOOT LAKE SPILLWAY NEAR TIPTONVILLE, TN	362109	0892439	047	095	SW			1975	1975	R	R		R	USGS	D
08010203	BEAVER CREEK AT HUNTINGDON, TENN.	355956	0882601	047	017	SW	55.50		1960		M				USGS	D
08010203	SOUTH FORK OBION RIVER NEAR GREENFIELD, TENN	360705	0884839	047	183	SW	383.00		1965		M				USGS	D
08010204	N FK FORKED DEER RIVER AT DYERSBURG TENN (CE	360149	0892313	047	045	SW	939.00		1979		A	A		A	USGS	D
08010207	TOMBIGBEE RIVER AT ABERDEEN, MS.	344914	0883107	028	095	SW	2169.00	004	1971		E			E	USGS	D
08010207	TUSCUMBIA RIVER CANAL NEAR CORINTH, MISS.	345556	0883600	028	003	SW	277.00		1969	1975	R			R	USGS	D
08010207	MOSSES C NR POCAHONTAS, TENN.	350446	0884653	047	109	SW	47.60	004	1959	1979	A	A		A	USGS	D
08010207	HATCHIE RIVER NEAR LACY, TN.	350735	0884848	047	069	SW	1033.00		1977	1979	A	A		A	USGS	D
08010208	HATCHIE RIVER AT BOLIVAR, TENN.	351631	0885836	047	069	SW	1480.00		1964		M	M		M	USGS	D
08010208	BIG MUDDY CREEK AT STANTON, TN	352702	0892235	047	075	SW	84.40		1977		A	A		A	USGS	D
08010208	HATCHIE RIVER AT RIALTO, TENN.	353814	0893614	047	167	SW	2308.00		1978	1979	A	A		A	USGS	D
08010209	LOOSAHATCHIE RIVER NEAR ARLINGTON, TENN.	351837	0893823	047	157	SW	262.00	004	1975		M				USGS	D
08010210	WOLF R.AT THOMAS ST BRIDGE HWY51	351120	0900210	047	157	SW			1964	1967	E	E			USEPA	D
08010210	WOLF RIVER AT GERMANTOWN, TN	350659	0894805	047	157	SW	699.00	004	1975		M				USGS	D
08010211	MISSISSIPPI R MEMPHIS TENN MI 735.2	350500	0900415	047	157	SW			1965	1967	E	E			USEPA	D
08010211	NONCONNAH CREEK NEAR GERMANTOWN, TENN.	350259	0894908	047	157	SW	68.20		1975		M				USGS	D
08010211	JOHNS CREEK AT HOLMES ROAD, AT CAPLEVILLE, T	350021	0895458	047	157	SW			1975	1975	A	A		A	USGS	D

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08010211	HORN LAKE CREEK AT HORN LAKE, MISS.	345752	0900056	028	033	SW			1974	1975	R				USGS	D
08020203	ST FRANCIS R AT FISK MO	364650	0901210	029	207	SW	1370.00	014	1978		N	R		N	USGS	D
08020203	ST FRANCIS RIVER NR POWE, MO	363938	0900832	029	207	SW			1977		K	K		K	USGS	D
08020203	WILHELMINA CUT-OFF NR CAMPBELL, MO	363053	0900930	029	069	SW			1977		N	N		N	USGS	D
08020203	ST FRANCIS RIVER NR PIGGOTT, ARK	362350	0900440	005	021	SW	.38		1978		N	N		N	USGS	D
08020203	ST FRANCIS RIVER AT HOLLY ISLAND, ARK	361411	0900752	005	021	SW	1788.00		1977		N	N		N	USGS	D
08020203	BIG SLOUGH DITCH NR PARAGOULD, ARK	360228	0902139	005	055	SW			1977		A	A		A	USGS	D
08020203	LOCUST CREEK DITCH NR PARAGOULD, ARK	355806	0902417	005	055	SW			1978		A	A		A	USGS	D
08020203	EIGHT MILE DITCH NR PARAGOULD, ARK	355916	0902547	005	055	SW			1978		S	S		S	USGS	D
08020203	THOMPSON CREEK NR LESTER, ARK	355211	0902743	005	031	SW			1978		A	A		A	USGS	D
08020203	BIG BAY DITCH NR LESTER, ARK	355212	0902745	005	031	SW			1978		A	A		A	USGS	D
08020203	ST. FRANCIS RIVER AT LAKE CITY, ARK.	354916	0902556	005	031	SW	2374.00		1946		A	A		A	USGS	D
08020203	ST. FRANCIS RIVER AT PARKIN, ARK.	351623	0903333	005	037	SW	6475.00	014	1955		E	E		E	USGS	D
08020203	ST. FRANCIS R FLOODWAY NR MARKED TREE, AR	353215	0902905	005	111	SW	4651.00		1978		N	K		N	USGS	D
08020203	CROSS COUNTY DITCH NR BIRDEYE, ARK	352138	0903900	005	037	SW			1977		N	N		N	USGS	D
08020203	STRAIGHT SLOUGH NR BIRDEYE, ARK	352145	0903926	005	037	SW			1977		R	K		R	USGS	D
08020203	ST. FRANCIS BAY AT RIVERFRONT, ARK.	351534	0904048	005	037	SW	6475.00	024	1955		E	E		E	USGS	D
08020203	CLARK CORNER CUT-OFF NR COLT, ARK	350841	0903923	005	123	SW			1977		N	N		N	USGS	D
08020203	ST FRANCIS RIVER AT MADISON, ARK	350038	0904305	005	123	SW			1977		R	K		R	USGS	D
08020203	MARIANNA SEWAGE EFFLUENT (NEW POND)	344635	0904425	005	077	SW			1978	1980	A			A	USGS	D
08020204	COCKLE BURR SLOUGH DITCH NR BLACK OAK, ARK	354731	0902309	005	031	SW		024	1978		A	A		A	USGS	D
08020204	RIGHT HAND CHUTE OF LITTLE R AT RIVERVALE, A	354020	0902012	005	111	SW	2106.00	024	1950		A	A		A	USGS	D
08020205	L'ANGUILLE RIVER NR COLT, ARK.	350840	0905242	005	123	SW	535.00	024	1970		E	E		E	USGS	D
08020205	L'ANGUILLE RIVER AT PALESTINE, ARK.	345820	0905310	005	123	SW	768.00		1978	1979	A	A		A	USGS	D
08020205	L'ANGUILLE RIVER AT MARIANNA, ARK.	344712	0904500	005	077	SW			1974		A	A			USGS	D
08020205	MARIANNA SEWAGE EFFLUENT (OLD)	344720	0904545	005	077	SW			1978	1980	A			A	USGS	D
08020205	L'ANGUILLE RIVER @ HWY 1	345020	0904745	005	077	SW			1978	1979	A	A		A	USGS	D
08020205	UNNAMED CREEK NR FORREST CITY,AR	345725	0905030	005	123	SW			1978		A			A	USGS	D
08020205	FORREST CITY OXIDATION POND	350000	0905010	005	123	SW			1978	1979	A			A	USGS	D
08020205	CYPRESS CREEK NR PALESTINE, AR	350110	0905455	005	123	SW			1978	1980	A	A		A	USGS	D
08020205	SECOND CREEK NEAR HORTON,AR	350220	0905440	005	123	SW			1978	1980	A	A		A	USGS	D
08020205	FIRST CREEK @ HORTON,AR	350335	0905335	005	123	SW			1978	1979	A	A		A	USGS	D
08020205	CANEY CREEK NR WYNNE,AR	351130	0905205	005	037	SW			1978	1980	A	A		A	USGS	D
08020205	WYNNE OXIDATION POND	351230	0904828	005	037	SW			1978	1980	A			A	USGS	D

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08020205	BRUSHY CREEK NEAR WYNNE,AR	351505	0905530	005	037	SW			1978	1980	R	R		R	USGS	D
08020205	WOLF CREEK NR CHERRY VALLEY, AR	352405	0904855	005	037	SW			1978	1980	A	A		A	USGS	D
08020205	L'ANGUILLE RIVER NEAR CHERRY VALLEY,AR	352410	0904940	005	037	SW			1978	1980	A	A		A	USGS	D
08020205	MCCRACKEN DITCH NEAR HARRISBURG,AR	353040	0904640	005	111	SW			1978	1979	A	A		A	USGS	D
08020205	L'ANGUILLE RIVER NEAR HARRISBURG,AR	353350	0904735	005	111	SW			1978		A	A		A	USGS	D
08020205	HARRISBURG OXIDATION POND	353415	0904425	005	111	SW			1978		A			A	USGS	D
08020205	SWAN POND DITCH NEAR HARRISBURG,AR	353430	0904805	005	111	SW			1978	1979	A	A		A	USGS	D
08020205	HOLLOW BRANCH NEAR HARRISBURG,AR	353515	0904632	005	111	SW			1978		A			A	USGS	D
08020301	CACHE RIVER AT MOUTH NR. CLARENDON, AR.	344208	0911931	005	095	SW			1977		A				USGS	D
08020302	CACHE RIVER AT PATTERSON, ARK.	351610	0911415	005	147	SW	1037.00	014	1951		E	E		E	USGS	D
08020302	BAYOU DEVIEW AT MORTON, ARK.	351507	0910637	005	147	SW	421.00	004	1973		E	E		E	USGS	D
08020303	WHITE RIVER AT CLARENDON, ARK.	344108	0911855	005	095	SW	25555.00	014	1946		H	H		E	USGS	D
08020401	ARKANSAS RIVER AT YANCOPIN	335720	0911215	005	041	SW			1965	1966		E			USEPA	D
08020401	ARKANSAS RIVER AT DAM NO. 2, NR GILLETT, ARK	335920	0911847	005	001	SW	160475.00		1972		N	N			USGS	D
08030100	MISSISSIPPI RIV NR ARKANSAS CITY, ARK.	333327	0911415	005	041	SW	1130600.00	014	1973		E	E		E	USGS	D
08030202	TILLATOBA CREEK BELOW OAKLAND, MISS.	335940	0895712	028	135	SW	37.10		1975		A			A	USGS	D
08030202	SOUTH FORK TILLATOBA CREEK NR CHARLESTON, MS	335842	0895845	028	135	SW	53.90	004	1978		R			R	USGS	D
08030202	TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD	333158	0901417	028	083	SW			1974	1974	A			A	USGS	D
08030202	BIG SAND CREEK AT MOUTH NEAR GREENWOOD, MISS	333340	0901002	028	083	SW			1974	1974	A			A	USGS	D
08030202	YAZOO R AB PEMBERTON CUT NR GREENWOOD, MISS.	333138	0901410	028	083	SW			1974	1974	A			A	USGS	D
08030203	YOCONA RIVER NEAR OXFORD, MISS.	341623	0893111	028	071	SW	262.00	004	1971	1975	R			R	USGS	D
08030205	TALLAHATCHIE RIVER AT GREENWOOD, MISS.	333222	0901137	028	083	SW			1974	1974	A			A	USGS	D
08030205	TALLAHATCHIE R AB YALOBUSHA R AT GREENWOOD,	333303	0901055	028	083	SW			1974	1974	A			A	USGS	D
08030205	YALOBUSHA RIVER AT GRENADA, MISS.	334720	0894837	028	043	SW	1550.00	004	1972	1975	R				USGS	D
08030205	YALOBUSHA R AB BIG SAND C NR GREENWOOD, MISS	333343	0901004	028	083	SW			1974	1974	A			A	USGS	D
08030205	YALOBUSHA RIVER AT MOUTH NEAR GREENWOOD, MIS	333312	0901051	028	083	SW			1974	1974	A			A	USGS	D
08030205	YAZOO R TR AB GRENADA JCT NR GREENWOOD, MISS	333240	0901003	028	083	SW			1974	1974	A				USGS	D
08030205	YAZOO R BL GRENADA JCT NR GREENWOOD, MISS.	333138	0901023	028	083	SW			1974	1974	A			A	USGS	D
08030205	YAZOO RIVER AT US49 BYPASS AT GREENWOOD, MIS	333108	0901212	028	083	SW			1974	1974	A			A	USGS	D
08030205	EFFLUENT DRAIN AT ELEC PLANT AT GREENWOOD, M	333111	0901231	028	083	SW			1974	1974	A			A	USGS	D
08030205	YAZOO R AB WALKER LK PUMP PLANT NR GREENWOOD	332906	0901344	028	083	SW			1974	1974	A			A	USGS	D
08030206	YAZOO RIVER AT FORT LORING, MISS.	333012	0901502	028	083	SW			1974	1974	A			A	USGS	D
08030206	YAZOO RIVER AB PELUCIA CREEK NR GREENWOOD, M	332749	0901321	028	083	SW			1974	1974	A			A	USGS	D
08030206	PELUCIA CREEK AT MOUTH NEAR RISING SUN, MISS	332748	0901316	028	083	SW			1974	1974	A			A	USGS	D

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08030206	YAZOO RIVER AT ROEBUCK, MISS.	332639	0901400	028	083	SW			1974	1974	A			A	USGS	D
08030206	YAZOO RIVER NR SHELL BLUFF, MS.	332348	0901619	028	083	SW	7650.00	014	1974		E			E	USGS	D
08030207	BIG SUNFLOWER RIVER AT CLARKSDALE, MISS.	341150	0903430	028	027	SW	108.00	004	1973	1978	R			E	USGS	D
08030207	BIG SUNFLOWER RIVER AT HOLLY BLUFF, MS.	324853	0904305	028	125	SW			1975	1975	A			A	USGS	D
08030208	YAZOO RIVER BELOW REDWOOD	322915	0904900	028	049	SW			1965	1967		E			USEPA	D
08030208	YAZOO RIVER AT REDWOOD, MS.	322914	0904902	028	149	SW	12603.00	004	1972		R	A			USGS	D
08030209	STEELE BAYOU NEAR ONWARD, MS.	324318	0910045	028	055	SW			1975	1975	A			A	USGS	D
08040101	JONES MILL	342800	0925600	005	059	SW			1943		B				AR001	
08040101	BURCHWOOD BAY - HOT SPRINGS	343000	0930500	005	051	SW			1972		B				AR001	
08040102	MAGNET-BUTTERFIELD-MALVERN	342300	0925000	005	059	SW			1971		B				AR001	
08040102	OUACHITA RIVER AT CAMDEN, ARK.	333547	0924905	005	103	SW	5391.00	014	1945		E	E		E	USGS	D
08040103	MOUNT MORIAH - MURFREESBORO	340400	0934000	005	109	SW			1971		B				AR001	
08040202	OUACHITA RIVER NR CROSSETT AR	330903	0920629	005	003	SW			1972		W	B	B		USCE	
08040203	WEST BAUXITE - BENTON	343300	0923100	005	125	SW			1969		B				AR001	
08040203	SALEM - BENTON	343600	0923400	005	125	SW			1970		B				AR001	
08040301	OLD R OUTFLOW CH NR KNOX LDG,LA.	310355	0914125	022	029	SW			1961	1972	M	M	M		USCE	C
08040301	RED RIVER AT ALEXANDRIA, LA.	311846	0922634	022	079	SW	67500.00		1951	1974	E			E	USCE	D
08040301	RED R ABOVE OLD R OUTFLOW CH, LA	310535	0914300	022	029	SW			1963	1972	M	M	M		USCE	C
08040301	RED R AT ALEXANDRIA	311846	0922634	022	079	SW	67500.00	014	1923		E	E		D	USGS	D
08040301	RED RIVER NEAR SIMMESPORT	310235	0914327	022	009	SW			1977		R	R			USGS	D
08040301	OLD RIVER OUTFLOW CHANNEL NR KNOX LANDING	310354	0914108	022	029	SW			1975	1975	A	A		A	USGS	D
08040301	RED RIVER AT ALEXANDRIA,LA.(SEDIMENT)	311846	0922634	022		SW			1971	1974	M	M		2	USGS	D
08040304	BIG CREEK AT POLLOCK, LA	313210	0922430	022	043	SW	51.00		1944		E	E		E	USGS	D
08040305	BLACK RIVER AT MOUTH	311618	0914942	022	029	SW			1975	1975	A	A		A	USGS	D
08050001	BOEUF RIVER NR EUDORA AR	330724	0912055	005	017	SW	640.00		1937	1973	E	E			USCE	P
08050001	DIVERSION CA BOEUF R AT MACON LK AR	332743	0912010	005	017	SW	303.00		1970		W	B	B		USCE	
08050001	OUACHITA RIVER AT COLUMBIA, LA.	320628	0920427	022	021	SW		014	1973		K	K		K	USGS	D
08050001	BOEUF RIVER NEAR FT. NECESSITY	320421	0915537	022	041	SW			1978		K	K		K	USGS	D
08050002	BAYOU MACON NEAR DELHI, LA.	322725	0912830	022	083	SW	782.00	004	1944	1973		E			USGS	D
08050003	TENSAS RIVER AT TENDAL, LOUISIANA	322555	0912200	022	065	SW	309.00	004	1943		K	K		K	USGS	D
08060100	MISS RIVER NR COOCHIE LA	310552	0913612	022	029	SW			1962	1972	M	M	M		USCE	C
08060100	MISS RIVER AT TARBERT LDG, MISS.	310030	0913725	028	157	SW	1128900.00		1959	1972	M	M	M		USCE	C
08060100	OLD R INFLOW CH NR KNOX LDG., LA	310440	0913549	022	029	SW	1128700.00		1962	1970	M	M	M		USCE	C
08060100	MISSISSIPPI R AT TARBERT LANDING	310020	0913730	022	029	SW			1964	1967		E			USEPA	D

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08060100	MISSISSIPPI R VICKSBURG MISS	321830	0905430	028	149	SW			1965	1967	E	E			USEPA	D
08060100	MISS R AT VICKSBURG-MILE 435.3	321830	0905430	028	149	SW			1965	1967	E	E			USEPA	D
08060100	MISSISSIPPI RIVER AT VICKSBURG, MS.	321845	0905425	028	149	SW	1144500.00	014	1972		M			E	USGS	D
08060100	MISSISSIPPI RIVER AT TARBERT LANDING ,MISS.	310030	0913725	028	157	SW			1972	1975	W	W		O	USGS	D
08060202	BIG BLACK R NEAR US HWY 61	320455	0905615	028	149	SW			1965	1966		E			USEPA	D
08060202	BIG BLACK RIVER NEAR CANTON, MISS.	324226	0900540	028	089	SW			1974	1975	R			R	USGS	D
08060202	BIG BLACK RIVER NR BOVINA, MS.	322051	0904148	028	049	SW	2810.00		1972		M			E	USGS	D
08060205	HOMOCHITTO RIVER AT ROSETTA, MS.	311920	0910620	028	157	SW	750.00	004	1974		E			E	USGS	D
08070100	MISS RIV AT RED RIV LANDING, LA.	305739	0913952	022	077	SW	1129000.00		1958	1974	E	E	E		USCE	C
08070100	MISS RIVER AT PLAQUEMINE LA	301738	0911359	022	047	SW	1129830.00		1954		O				USCE	C
08070100	BY CHENE CUT BL BY CHENE MI 75	300730	0913000	022	099	ES			1974		B	B	B		USCE	C
08070100	BY PLAQUEMINE AT PLAQUEMINE LOCK LA	301731	0911407	022	047	SW			1955	1956	O	O	O		USCE	C
08070100	MISSISSIPPI RIVER (TARBERT + RR LANDINGS)	305739	0913952	022	077	SW			1948	1975	2			2	USGS	D
08070100	MISSISSIPPI RIVER (00060,70302,80155 /100)	305739	0913952	022	077	SW			1953	1975				2	USGS	D
08070100	MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA	304530	0912345	022	125	SW	1243000.00	004	1953		N	N			USGS	D
08070100	MISSISSIPPI RIVER AT BATON ROUGE, LA.	303025	0911155	022	033	SW	1243500.00	004	1952	1976	G	G		G	USGS	D
08070100	BAYOU LAFOURCHE AT DONALDSONVILLE, LA.	300600	0905840	022	005	SW		124	1957	1976	N	N			USGS	D
08070202	AMITE RIVER NEAR DENHAM SPRINGS, LA.	302750	0905925	022	063	SW	1280.00	004	1944	1973	E				USGS	D
08070202	AMITE R AT 4H CAMP NR DENHAM SPRINGS	302630	0905820	022	063	SW	1294.00	004	1944		E	E		E	USGS	D
08070205	TANGIPAHOA R NR PONCHATOULA LA	302637	0902004	022	105	SW			1965	1967	M				USCE	
08070205	TANGIPAHOA RIVER AT ROBERT,LA.	303023	0902142	022	105	SW	646.00	004	1943		N	N			USGS	D
08080101	ATCHAFALAYA RIV AT SIMMESPORT,LA	305857	0914754	022	009	SW	87570.00		1951	1974	E			E	USCE	D
08080101	WAX LAKE OUTLET AT CALUMET, LA.	294209	0912207	022	101	SW			1969	1974	O			E	USCE	D
08080101	LOWER ATCH R AT MORGAN CITY, LA.	294147	0911239	022	101	SW			1946	1974	O			E	USCE	D
08080101	ATCH. BAY 1.5 MI SW OF SHELL IS	292720	0911740	022	101	OC			1973	1973	B				USCE	C
08080101	ATCH. BAY 3.5 MI SW OF SHELL IS	292810	0911945	022	101	OC			1973	1973	B				USCE	C
08080101	ATCH. BAY 3.75 MI SW OF SHELL IS	292550	0912005	022	101	OC			1973	1973	B				USCE	C
08080101	ATCH. BAY 4.25 MI SW OF SHELL IS	292520	0911735	022	101	OC			1973	1973	B				USCE	C
08080101	ATCH. BAY 5.5 MI SW OF SHELL IS	292435	0912120	022	101	OC			1973	1973	B				USCE	C
08080101	ATCH. BAY 6.5 MI SW OF SHELL IS	292350	0912150	022	101	OC			1973	1973	B				USCE	C
08080101	ATCH BAY 5.0 MI SW OF SHELL IS	292520	0912113	022	101	ES			1970		B				USCE	C
08080101	ATCH BAY 0.75 MI E OF LIGHT 43	292430	0912020	022	101	ES			1970		B				USCE	C
08080101	ATCH BAY 0.75 MI W OF LIGHT 43	292430	0912215	022	101	ES			1970		B				USCE	C
08080101	IWW AT WAX LK W CONTROL STR LA	294017	0912658	022	101	CN			1972	1972	W	W	W		USCE	C

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08080101	LWR ATCH RIVER AT GIWW MI 120.8	293930	0911430	022	101	SW			1971	1973	B				USCE	C
08080101	LWR ATCH R AT N END SWEET BAY LK	293518	0911405	022	101	SW			1971	1973	B				USCE	C
08080101	LWR ATCH R AT AVOCA IS CUT-OFF BY	293235	0911529	022	101	SW			1971	1973	B				USCE	C
08080101	LWR ATCH R AT SHELL IS PASS	293032	0911610	022	101	SW			1971	1973	B				USCE	C
08080101	ATCHAFALAYA RIVER AT SIMMESPORT	305800	0914830	022	009	SW			1964	1967		E			USEPA	D
08080101	ATCHAFALAYA-RR BR. AT MORGAN CTY	294145	0911230	022	101	SW			1965	1967		E			USEPA	D
08080101	ATCHAFALAYA RIVER AT SIMMESPORT, LA.	305857	0914754	022	009	SW	87570.00		1952		E	E		O	USGS	D
08080101	CHICOT PASS AT MYETTE POINT (CE 03540)	295340	0912646	022	101	SW			1975		E	E		E	USGS	D
08080101	GRAND LAKE NW OF MYETTE POINT	295333	0912719	022	101	SW			1975	1975	A	A		A	USGS	D
08080101	ATCHAFALAYA RIVER BASIN BAYOU SORREL	300722	0912753	022	047	SW			1975	1975	A	A		A	USGS	D
08080101	ATCHAFALAYA R. ABOVE MOUTH OF BAYOU SORREL	300725	0912940	022	099	SW			1973	1975	A	A		A	USGS	D
08080101	ATCHAFALAYA RIVER BASIN BAYOU CHENE	300831	0913212	022	099	SW			1975	1975	A	A		A	USGS	D
08080101	ATCHAFALAYA RIVER BASIN LITTLE TENSAS BAYOU	301245	0913155	022	099	SW			1975	1975	A	A		A	USGS	D
08080101	ATCHAFALAYA RIVER BASIN BAYOU L'EMBARRAS	301248	0913549	022	099	SW			1975	1975	A	A		A	USGS	D
08080101	ATCHAFALAYA RIVER AT INTERSTATE 10	302039	0914306	022	099	SW			1975	1975	A	A		A	USGS	D
08080101	WHISKEY BAY PILOT CHANNEL AT INTERSTATE 10	302155	0913819	022	099	SW			1975	1975	A	A		A	USGS	D
08080102	BAYOU TECHE AT KEYSTONE LOCK, NR ST.MARTINVI	300415	0914945	022	099	SW			1966		E	E		E	USGS	D
08080103	IWW AT VERMILION LOCK %EAST<	294700	0921140	022	113	SW			1949	1974	O				USCE	C
08080202	FRESHWATER CANAL AT LOCK NORTH	293316	0921820	022	113	SW			1968	1974	E			E	USCE	D
08080202	SCHOONER BAYOU AT CNTL STR, EAST	294528	0921548	022	113	SW			1947	1974	O				USCE	C
08080202	MERMENTAU RIVER AT MERMENTAU	301123	0923525	022	053	SW	1381.00		1953		R	R		A	USGS	D
08080203	CALCASIEU RIVER NR KINDER LA	303010	0925455	022	003	SW	1700.00		1944		K	K			USGS	D
08080203	CALCASIEU R NR LAKE CHARLES	301759	0931118	022	019	SW	2310.00		1969		E	E			USGS	D
08080206	CALCASIEU RIVER AB DEVILS ELBOW	300549	0931903	022	019	SW			1972	1972	A			A	USCE	D
08080206	CALCASIEU RIVER BL DEVILS ELBOW	300549	0931818	022	019	SW			1972	1972	A			A	USCE	D
08080206	INDUSTRIAL CANAL AT DEVILS ELBOW	300624	0931817	022	019	SW			1972	1972	W	W	W		USCE	C
08090100	THE JUMP AT VENICE, LA.	291545	0892105	022	075	SW			1970	1974	X			E	USCE	D
08090100	MISSISSIPPI R AT MI 2.8 AHP LA	291100	0891600	022	075	SW			1971		B	B	B		USCE	C
08090100	MISSISSIPPI RIVER AT MILE 0.7 AHP	290930	0891615	022	075	SW			1974		B	B	B		USCE	C
08090100	MISSISSIPPI RIVER AT MILE 0.2 AHP	290920	0891538	022	075	SW			1974		B	B	B		USCE	C
08090100	MISSISSIPPI RIVER AT MILE 0.3 BHP	290830	0891540	022	075	SW			1974		B	B	B		USCE	
08090100	MISSISSIPPI R AT HEAD OF PASSES	290825	0891510	022	075	SW	1129970.00		1974	1974	B	B	B		USCE	C
08090100	SOUTHWEST PASS AT MILE 1.3 BHP	290800	0891615	022	075	ES			1974		B	B	B		USCE	C
08090100	MISSISSIPPI RIVER AT MILE 1.2 AHP	291015	0891615	022	075	SW			1974		B	B	B		USCE	C

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08090100	SOUTH PASS AT MI 0.6 BHP LA	290815	0891450	022	075	ES			1971		B	B	B		USCE	C
08090100	PASS A LOUTRE AT MI 1.8 BHP LA	290840	0891300	022	075	ES			1971	1974	B	B	B		USCE	C
08090100	OUTLET OF SOUTH PASS AT MI 4.7 W	291015	0891330	022	075	OC			1974	1974	B	B	B		USCE	C
08090100	GRAND BAYOU CANAL JCT BAYOU BLUE	293130	0902430	022	057	SW			1961	1971	E				USCE	D
08090100	GRAND BY BLUE 2 MI AB BY COURANT	292055	0901910	022	057	SW			1961	1971	E				USCE	D
08090100	GRAND BAYOU BLUE AT BAYOU FALEAU	292320	0902045	022	057	SW			1961	1974	E				USCE	D
08090100	BARAT WW 2.5 MI BL JCT BY CUTLER	293105	0900140	022	051	SW			1957	1971	E				USCE	D
08090100	CAMINADA BAY NR BAY ST HONORE	291330	0900400	022	057	SW			1962	1974	E			E	USCE	D
08090100	MISSISSIPPI RIVER AT BELLE CHASSE, LA.	295125	0895840	022	075	SW			1974		N	N		K	USGS	D
08090201	LK PONT 6.5 MI SE TANGIPAHOA RIV	301500	0901330	022	095	SW			1972	1973	A	A		A	USCE	D
08090201	TCHEFUNCTA RIVER NEAR COVINGTON, LA.	302940	0901010	022	103	SW	145.00	004	1958		K	K		K	USGS	D
08090202	L PONT 1.5 MI N OF BY LA BRANCHE	300415	0902310	022	089	SW			1973	1973	S	S		S	USCE	D
08090202	L PONT 2.25 MI NNW BY LA BRANCHE	300450	0902205	022	089	SW			1973	1974	E	E		E	USCE	D
08090202	LK PONTCHARTRAIN AT BY LACOMBE	301500	0895720	022	103	SW			1973	1974	E	E		E	USCE	D
08090202	LK PONTCH AT ENTR PAS MANCHAC	301730	0901800	022	095	SW			1972	1974	E	E		E	USCE	D
08090202	LAKE PONTCHARTRAIN AT MANDEVILLE	302131	0900545	022	103	SW			1959	1974	E	E		E	USCE	D
08090202	LK PONT CENTER GR N.O. EXPY BR	301116	0900733	022	051	SW			1972	1974	E	E		E	USCE	D
08090202	LK PONTCH AT TCHEFUNCTA RIVER	302150	0901020	022	103	SW			1972	1974	E	E		E	USCE	D
08090202	LK PONTCH AT TANGIPAHOA RIVER	301945	0901615	022	105	SW			1972	1974	E	E		E	USCE	D
08090202	L PONT 5 MI NE BONNET CARRE SPLY	300600	0901930	022	089	SW			1972	1973	S	S		S	USCE	D
08090202	LK PONT S END OF GR N.O. EXPY BR	300125	0900905	022	051	SW			1959	1974	E	E		E	USCE	D
08090202	L PONT 5.5 MI N MOISANT INTNL AP	300415	0901500	022	051	SW			1972	1974	E	E		E	USCE	D
08090202	LK PONTCHARTRAIN AT HOWZE BEACH	301136	0894612	022	103	SW			1972	1974	E	E		E	USCE	D
08090202	LK PONT AT S BASCULE HWY 11 BR	300945	0895130	022	071	SW			1972	1974	E	E		E	USCE	D
08090202	LK PONTCH 4 MI SE OF BY LACOMBE	301318	0895400	022	103	SW			1972	1973	A	A		A	USCE	D
08090202	LK PONTCH AT CHEF MENTEUR PASS	300555	0894903	022	071	SW			1968	1974	E	E		E	USCE	D
08090202	L PONT 3.5 MI NW OF LITTLE WOODS	300700	0895730	022	071	SW			1972	1973	A	A		A	USCE	D
08090203	LK BORGNE 9.5 MI E LE PETIT ISL.	300615	0891800	022	087	SW			1973	1974	E	E		E	USCE	D
08090203	MISS RIVER-GULF OUTLET AT IWW	300024	0895524	022	071	SW			1963	1973	M				USCE	C
08090203	IWW AT PARIS RD BRIDGE N.O., LA.	300017	0895626	022	071	SW			1948	1973	E			E	USCE	D
08090203	BAYOU BIENVENUE AT HIGHWAY 47	295850	0895650	022	071	ES			1957	1963	M				USCE	C
08090203	LK PONTCHARTRAIN AT IHNC ENTR	300205	0900155	022	071	SW			1967	1974	E	E		E	USCE	D
08090203	IHNC AT JCT WITH IWW, MI 2.0	295915	0900115	022	071	SW			1970	1973	E			E	USCE	D
08090203	RIGOLETS, OPPOSITE SAWMILL PASS	300942	0894310	022	071	SW			1968	1974	E	E		E	USCE	D

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08090203	RIGOLETS, 2 MI E OF SAWMILL PASS	301030	0894120	022	071	SW			1968	1974	E	E		E	USCE	D
08090203	RIGOLETS AT RABBIT IS OPP N PASS	300928	0893819	022	071	SW			1968	1974	E	E		E	USCE	D
08090203	CHEF MENTEUR PASS 0.75 MI N IWW	300410	0894815	022	071	SW			1968	1974	E	E		E	USCE	D
08090203	CHEF MENTEUR PASS 1 MI S OF IWW	300310	0894630	022	071	SW			1968	1973	S	S		S	USCE	D
08090203	MR-GO AT BAYOU BIENVENUE (LA.)	300000	0895448	022	087	SW			1963	1973	E			E	USCE	D
08090203	BAYDU BIENVENUE NR LAKE BORGNE	300018	0895124	022	087	SW			1957	1972	M				USCE	C
08090203	MR-GO AT BAYOU VILLERE (LA.)	295810	0895235	022	087	SW			1963	1973	E			E	USCE	D
08090203	MR-GO AT BAYOU DUPRE (LA.)	295630	0895030	022	087	SW			1963	1974	E			E	USCE	D
08090203	BY TERRE AUX BOEUFS AT REGGIO LA	295000	0894500	022	087	ES			1957	1963	W				USCE	C
08090203	MR-GO AT NAV LT 110, MILE 48.0	295415	0894700	022	087	SW			1963	1973	E			E	USCE	D
08090203	MR-GO AT FLAT BAYOU (LA.)	295240	0894440	022	087	SW			1963	1973	E			E	USCE	D
08090203	MR-GO AT BAYOU YSCLOSKEY (LA.)	295124	0894040	022	087	SW			1961	1973	E			E	USCE	D
08090203	BAYOU YSCLOSKEY NEAR MR-GO (LA)	295100	0894100	022	087	SW			1961	1965	O				USCE	C
08090203	MR-GO AT NAV LT 103 MI. 38.2 LA.	295125	0893715	022	087	SW			1961	1973	E			E	USCE	D
08090203	LAKE ELOI AT BAYOU ELOI %LA.<	294630	0892630	022	087	SW			1957	1974	B				USCE	C
08090203	BRETON SOUND NEAR DEADMAN POINT	294400	0892100	022	087	ES			1957	1961	W				USCE	C
08090203	MR-GO AT NAV LT 102 MI. 35.4 LA.	294900	0893510	022	087	SW			1961	1974	E			E	USCE	D
08090203	MR-GO AT NAV LT 101 MI. 32.5 LA.	294731	0893309	022	087	SW			1961	1973	E			E	USCE	D
08090203	MR-GO AT NAV LT 99 MI. 29.8 LA.	294600	0893100	022	087	SW			1961	1973	E			E	USCE	D
08090203	LK BORGNE 5 MI NW MALHEUREUX PT	300654	0893324	022	087	SW			1972	1973	A	A		A	USCE	D
08090203	MR-GO AT LK ATHANASIO MILE 25	294330	0892724	022	087	SW			1961	1973	E			E	USCE	D
08090203	MR-GO NR GARDNER IS MILE 20.0	294110	0892235	022	087	SW			1960	1974	E			E	USCE	D
08090203	MR-GO OPP TOWER STA 2620 MI 16.4	293824	0892000	022	087	SW			1966	1973	E			E	USCE	D
08090203	MR-GO 500 FT. NORTH OF MI. 16.4	293824	0892000	022	087	SW			1966	1968	E			E	USCE	D
08090203	MR-GO 500 FT. SOUTH OF MI. 16.4	293824	0892000	022	087	SW			1966	1968	E			E	USCE	D
08090203	MR-GO 800 FT. NORTH OF MI. 16.4	293824	0892000	022	087	SW			1969	1969	A			A	USCE	D
08090203	MR-GO 800 FT. SOUTH OF MI. 16.4	293824	0892000	022	087	SW			1969	1969	A			A	USCE	D
08090203	MR-GO 1000 FT. NORTH OF MI. 16.4	293824	0892000	022	087	SW			1966	1968	E			E	USCE	D
08090203	MR-GO 1000 FT. SOUTH OF MI. 16.4	293824	0892000	022	087	SW			1966	1967	K			K	USCE	D
08090203	MGO BRETON SND AT MILE 19.8	294030	0892300	022	087	SW			1967	1968	E			E	USCE	D
08090203	MR-GO 500 FEET NORTH OF MI. 19.8	294030	0892300	022	087	SW			1967	1968	E			E	USCE	D
08090203	MR-GO 500 FEET SOUTH OF MI. 19.8	294030	0892300	022	087	SW			1967	1968	E			E	USCE	D
08090203	MR-GO 1000 FEET NORTH OF MI 19.8	294030	0892300	022	087	SW			1967	1968	E			E	USCE	D
08090203	BRETON SDUND NE OF GARDNER IS	294130	0892300	022	087	ES			1958	1961	M				USCE	C

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
08090203	BRETON SOUND SE OF FIDDLER POINT	294037	0892522	022	087	ES			1959	1961	W				USCE	C
08090203	CHANDELEUR SOUND E OF CHICOT IS	294500	0891600	022	087	ES			1958	1959	W				USCE	C
08090301	INTRACOASTAL WATERWY AT HOUMA, L	293556	0904237	022	109	SW			1946	1974	O				USCE	C
08090301	IWW JCT DIXIE DELTA CANAL %LA.<	293640	0902130	022	057	SW			1961	1971	E				USCE	D
08090301	INTRACOASTAL WW AT MILE 22.5	293930	0901300	022	023	SW			1961	1974	E			E	USCE	D
08090301	BAYOU LAFOURCHE AT LAROSE, LA.	293430	0902300	022	057	SW			1949	1974	E				USCE	D
08090301	LWR BY LAFOURCHE 2.5 MI S LEEVLE	291330	0901300	022	057	SW			1966	1970	B				USCE	C
08090301	LWR BY LAFOURCHE 8.3 MI S LEEVLE	290845	0901315	022	057	SW			1966	1971	R			R	USCE	D
08090301	BAYOU LAFOURCHE AT LEEVILLE, LA.	291452	0901232	022	057	SW			1955	1974	E			E	USCE	D
08090301	SW LA CANAL AT BAYOU FER BLANC	291545	0900830	022	057	SW			1961	1971	R			R	USCE	D
08090301	BY SEGNETTE AT YANKEE CAMP POND	295200	0901020	022	057	SW			1962	1971	A			A	USCE	D
08090301	BY SEGNETTE AT FIRST CROSS-CANAL	294800	0900920	022	057	SW			1962	1971	A			A	USCE	D
08090301	BAYOU BARATARIA AT BARATARIA, LA	294429	0900756	022	051	SW			1957	1974	E				USCE	D
08090301	BY BARAT AT FISHER BR %MI. 35.3<	294230	0900645	022	051	SW			1958	1971	E				USCE	D
08090301	BAYOU BARATARIA AT BY DES OIES	294130	0900555	022	051	SW			1961	1971	E				USCE	D
08090301	BAYOU BARATARIA AT LAFITTE, LA.	294006	0900636	022	051	SW			1955	1974	E			E	USCE	D
08090301	BARATARIA WW AT BARAT. PASS LT.	291715	0895710	022	051	SW			1962	1974	E			E	USCE	D
08090301	BARATARIA WW AT BY DUPONT, MI 28	293830	0900545	022	051	SW			1957	1971	E				USCE	D
08090301	BARATARIA WW 3 MI BL BY DUPONT	293600	0900415	022	051	SW			1958	1974	E				USCE	D
08090301	BARATARIA WW 6 MI BL BY DUPONT	293350	0900310	022	051	SW			1961	1971	E				USCE	D
08090301	BARATARIA WW AT JCT BAYOU CUTLER	293230	0900200	022	051	SW			1957	1971	A			R	USCE	D
08090301	BAYOU ST DENIS S END BY CUTLER	292930	0900100	022	051	SW			1961	1971	E				USCE	D
08090301	BARATARIA WW AT LT 37 %MI 15<	292800	0900000	022	051	SW			1962	1974	E			E	USCE	D
08090301	BARATARIA WWY AT MI 13.3 (LT 32)	292645	0895950	022	051	SW			1962	1971	E				USCE	D
08090301	BARATARIA WATERWAY AT MI 11.9	292530	0895935	022	051	SW			1962	1971	E				USCE	D
08090301	BARATARIA WW AT MI 10.4 %LT 25<	292415	0895920	022	051	SW			1962	1971	E				USCE	D
08090301	BARATARIA WW AT LT 17 %MI. 7.8<	292150	0895900	022	051	SW			1962	1974	E			E	USCE	D
08090301	BARATARIA WW AT MI 5.8	292020	0895900	022	051	SW			1963	1971	E				USCE	D
08090301	BARATARIA WW AT MI 4.1 %LT 11<	291920	0895905	022	051	SW			1964	1971	E				USCE	D
08090301	BARATARIA WW AT MI 3.1 %BUOY 8<	291740	0895830	022	051	SW			1964	1971	E				USCE	D
08090301	BARATARIA WW E OF BEAUREGARD ISL	291640	0895725	022	051	SW			1962	1966	A				USCE	D
08090301	E CHAMPAGNE BAY N PT MNDCNT IS	292015	0895845	022	051	ES			1957	1963	B				USCE	C
08090301	CAMINADA PS 1.1 MI NE GRND IS BR	291310	0900205	022	051	OC			1961	1971	R			R	USCE	D
08090301	BAY LIZETTE AT SOUTHWEST LA CAN	291600	0900625	022	057	OC			1962	1974	E			E	USCE	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
08090301	BAYOU LAFOURCHE AT BELLEROSE LA	300300	0910227	022	007	SW			1959	1967	M				USGS	D
08090301	BAYOU LAFOURCHE AT LABADIEVILLE LA	295025	0905715	022	007	SW			1959	1967	M	A			USGS	P
08090301	BAYOU LAFOURCHE AT THIBODAUX, LA.	294753	0904921	022	057	SW		124	1955		R	R			USGS	D
08090301	BAYOU LAFOURCHE AT RACELAND LA	294340	0903531	022	057	SW			1956	1967	M				USGS	D
08090302	BAYOU BOEUF AT AMELIA, LA.	294006	0910550	022	007	SW			1955	1974	E			E	USCE	D
08090302	IWW AT CUTOFF CA 3 MI W LAROSE	293305	0902440	022	057	SW			1961	1971	E				USCE	D
08090302	IWW 1 MI SW OF LAROSE, LA.	293340	0902400	022	057	SW			1961	1971	R			R	USCE	D
08090302	GRAND BY CA 1 MI AB GRD BY, S EN	292840	0902600	022	057	SW			1961	1971	E				USCE	D
08090302	GRAND BY CA 0.5 MI AB JCT LIT LK	291530	0901510	022	057	SW			1961	1971	A			R	USCE	D
08090302	GRAND BY CA 3 MI AB JCT GRAND BA	293010	0902500	022	057	SW			1961	1971	R			R	USCE	D
08090302	GRAND BY CA 2 MI AB JCT BY BLUE	293240	0902400	022	057	SW			1961	1974	E			E	USCE	D
08090302	GRAND BAYOU BLUE AT BAYOU SEVIN	291825	0901820	022	057	SW			1961	1974	E			E	USCE	D
08090302	GRAND BAYOU BLUE AT BAYOU COURAN	292015	0901925	022	057	SW			1962	1971	E				USCE	D
08090302	GRAND BY BLUE, ENTR. CATFISH LK	292230	0901935	022	057	SW			1961	1971	A			R	USCE	D
08090302	GRAND BAYOU BLUE JCT BAYOU BLUE	292430	0902110	022	057	SW			1961	1971	A			R	USCE	D
08090302	BAYOU BLUE AT BAYOU BOUILLON	292520	0902210	022	057	SW			1961	1971	E				USCE	D
08090302	BY BOUILLON 4 MI AB JCT BY BLUE	292755	0902230	022	057	SW			1961	1971	A			A	USCE	D
08090302	CA 2 MI W OF BULLY CAMP OIL FLD	292750	0902440	022	057	SW			1961	1971	E				USCE	D
08090302	GULF OIL CA NR JCT GRAND BY CA	292750	0902610	022	057	SW			1961	1974	E			E	USCE	D
08090302	SW LA CA 1 MI W OF LEEVILLE, LA.	291445	0901400	022	057	SW			1961	1971	A			A	USCE	D
08090302	LOCUST BY AT POINT AUFER ISLAND	291700	0911700	022	109	ES			1948	1973	B				USCE	C
08090302	HOUMA NAVIGATION CANAL AT HOUMA	293400	0904255	022	109	SW		024	1978		K	K		A	USGS	D

SOURIS-RED-RAINY REGION 09

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
09010001	SOURIS RIVER NR SHERWOOD, ND	485924	1015728	038	075	SW	8940.00		1970		O			O	USGS	D
09010001	SOURIS RIVER NR FOXHOLM, ND	482220	1013018	038	101	SW	9470.00	014	1970		E			E	USGS	D
09010003	SOURIS RIVER NR VERENDRYE, ND	480935	1004345	038	049	SW	11300.00	014	1946		N	A		N	USGS	D
09010003	SOURIS RIVER NR WESTHOPE, ND	485947	1005729	038	009	SW	16900.00	014	1953		4	E		4	USGS	D
09020103	PELICAN RIVER NEAR FERGUS FALLS, MN	462010	0960710	027	111	SW	482.00		1966	1970	A			A	USGS	D
09020104	RED RIVER OF THE NORTH AT FARGO, ND	465140	0964700	038	017	SW	6800.00	014	1945		E	E		E	USGS	D
09020104	RED RIVER OF THE NORTH BELOW FARGO, ND	465550	0964705	038	017	SW	6820.00	014	1969		E	E		E	USGS	D
09020105	WILD RICE RIVER NR ABERCROMBIE, ND	462805	0964700	038	077	SW	2082.00	014	1965		E	E		E	USGS	D
09020106	BUFFALO RIVER NEAR HAWLEY, MN	465100	0961945	027	027	SW	322.00		1965		W			W	USGS	D
09020106	SOUTH BRANCH BUFFALO RIVER AT SABIN, MN	464620	0963740	027	027	SW	522.00		1965		W			W	USGS	D
09020106	BUFFALO RIVER NEAR DILWORTH, MN	465740	0963940	027	027	SW	1040.00		1962		E			E	USGS	D
09020107	RED RIVER OF THE NORTH AT HALSTAD, MN	472100	0965100	038	097	SW	21800.00		1961		K	A		K	USGS	D
09020107	MARSH RIVER NEAR SHELLY, MN	472445	0964550	027	107	SW	151.00		1975	1975	A			A	USGS	D
09020108	WILD RICE RIVER AT TWIN VALLEY, MN	471600	0961440	027	107	SW	888.00	004	1971		O			O	USGS	D
09020109	BEAVER CREEK NR FINLEY, ND	473540	0974218	038	091	SW	160.00	004	1965		R	E		R	USGS	D
09020204	SHEYENNE RIVER AT LISBON, ND	462649	0974044	038	073	SW	8190.00	014	1956		O			O	USGS	D
09020204	SHEYENNE RIVER NR KINDRED, ND	463735	0970005	038	077	SW	8800.00		1968		O	E		O	USGS	D
09020301	SAND HILL RIVER AT CLIMAX, MN	473643	0964852	027	119	SW	426.00		1966	1975	A			A	USGS	D
09020304	THIEF RIVER NEAR THIEF RIVER FALLS, MN	481108	0961011	027	089	SW	959.00		1963	1975	A			A	USGS	D
09020306	RED RIVER OF THE NORTH AT OSLO, MN	481135	0970825	038	099	SW	31200.00	004	1973		E	E		E	USGS	D
09020307	FOREST RIVER AT MINTO, ND	481610	0972210	038	099	SW	740.00		1971		E	E		E	USGS	D
09020309	MIDDLE RIVER AT ARGYLE, MN	482027	0964902	027	089	SW	265.00		1954	1975	A			A	USGS	D
09020310	NORTH BRANCH PARK RIVER AT GARDAR, ND	483530	0975250	038	067	SW	52.00		1978	1979	A	A		A	USGS	D
09020310	NORTH BRANCH PARK RIVER NR CRYSTAL, ND	483441	0974621	038	067	SW	65.00		1978		A	A		A	USGS	D
09020310	CART CREEK AT MOUNTAIN, ND	484037	0975141	038	067	SW	16.90		1971		A	A		A	USGS	D
09020310	PARK RIVER AT GRAFTON, ND	482524	0972430	038	099	SW	695.00		1969		A	A		A	USGS	D
09020310	MIDDLE BRANCH PARK RIVER NR NASH, ND	482708	0973207	038	099	SW			1978	1979	A			A	USGS	D
09020313	PEMBINA RIVER NR VANG, ND	485500	0980323	038	019	SW	3070.00	004	1962		N	A		N	USGS	D
09020313	LITTLE SOUTH PEMBINA RIVER NR WALHALLA, ND	485155	0980020	038	019	SW	182.00		1961		R	A		R	USGS	D
09020313	PEMBINA RIVER AT WALHALLA, ND	485450	0975500	038	067	SW	3350.00	004	1962		E	E		E	USGS	D
09020314	ROSEAU RIVER BELOW STATE DITCH 51 NR CARIBOU	485854	0962746	027	069	SW	1570.00	004	1972		E	E		E	USGS	D
09030001	STONEY R. T60N,R10W 18 M SE ELY	474100	0913900	027	075	SW			1966		N				USFS	D
09030001	INDIAN SIOUX R.25MI.NW.ELY MINN	480829	0921228	027	137	SW			1975		K				USFS	D
09030001	SILVER ISLAND 15MI.NE ISABELLA	474724	0911904	027	075	SW			1975		K				USFS	D

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09030001	KAWISHIWI RIVER NEAR ELY, MN	475522	0913206	027	075	SW	253.00	004	1965		A				USGS	D
09030001	STONY RIVER NEAR BABBITT, MN	474139	0914538	027	075	SW	219.00	004	1974		P	P			USGS	D
09030001	DUNKA RIVER NEAR BABBITT, MN	474155	0915205	027	137	SW	53.40	024	1955		P	P			USGS	D
09030001	BEAR ISLAND RIVER NEAR ELY, MN	474950	0915020	027	137	SW	68.50	004	1955		P	P			USGS	D
09030005	GALE BROOK	474220	0933710	027	061	SW			1975		E				USFS	D
09030005	GALE BROOK 3 MI. SE BIGFORK,MN.	474220	0933710	027	061	SW			1975		E				USFS	D
09030005	GALE BROOK 3 MI. SE BIGFORK,MN.	474220	0933710	027	061	SW			1975		E				USFS	D
09030005	DARK RIVER NEAR CHISHOLM,MINN	474127	0924915	027	137	SW			1975		R				USFS	D
09030005	LITTLE FORK RIVER AT LITTLEFORK, MN	482355	0933356	027	071	SW	1730.00	004	1968		E	P		E	USGS	D
09030005	LITTLE FORK RIVER AT LITTLEFORK, MINNESOTA	482355	0933356	027	071	SW			1975		E	E		E	USGS	D
09030006	BIG FORK RIVER EAST OF LOMAN	483045	0934236	027	071	SW			1971	1976	M				MN012	D
09030006	STAR PEAT FILTER BED	473330	0933900	027	061	SW			1973		R				USFS	D
09030006	ISLAND LAKE OUTLET,ROAD 33	474730	0941440	027	061	SW			1970	1976	R				USFS	D
09030006	TURTLE RIVER 3 MI. S TALMOON,MN.	473300	0934510	027	061	SW			1975		K				USFS	D
09030006	TURTLE RIVER 3 MI. S TALMOON,MN.	473300	0934510	027	061	SW			1975		K				USFS	D
09030006	TURTLE RIVER 3 MI. S TALMOON,MN.	473300	0934510	027	061	SW			1975		K				USFS	D
09030006	TURTLE RIVER 3 MI. S TALMOON,MN.	473300	0934510	027	061	SW			1975		K				USFS	D
09030006	TURTLE RIVER 3MI. S TALMOON,MN.	473300	0934510	027	061	SW			1975		K				USFS	D
09030006	BIG FORK RIVER AT BIG FALLS, MN	481145	0934825	027	071	SW	1460.00	004	1971		E			E	USGS	D

MISSOURI BASIN REGION 10

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
10 35 Q	GINGLES WATERSHEDS	420400	0955100	019	133	SW			1963	1975	Y				IA007	
100031 K	KANSAS CITY MO BLUE R	385725	0943332	029	095	SW			1966		O	B	B		USCE	
100034 R	DELANEY DR NR RED DESERT WY			056	037	SW			1976	1976	A	A		A	USGS	D
100036 M	MISSOURI RIVER AT SIOUX CITY, IOWA	422910	0962447	019	193	SW	314600.00		1970		E	E		E	USGS	D
100036 P	MISSOURI R AT SIOUX CITY IA	422910	0962445	019	193	SW			1954	1972	E	E			USCE	D
100042 G	CLEAR CREEK AT UCROSS WY			056	019	SW			1976		E			E	USGS	D
100043 K	GREYBULL R.BELOW JACK CK			056	029	SW			1972		A			A	USFS	D
100043 O	LITTLE BIGHORN R AT USGS 2890	450025	1073705	056	003	SW			1970		K			K	USFS	D
10010002	SWIFTCURRENT CREEK AT MANY GLACIER MT.	484757	1133921	030	035	SW	30.90		1963	1970	E			E	USGS	D
10020001	MUDDY CREEK #1	443800	1124800	030	001	SW			1976		M				USBLM	P
10020001	MUDDY CREEK #2	443500	1124800	030	001	SW			1976		M				USBLM	P
10020001	SHEEP CREEK #1	444100	1124400	030	001	SW			1976		M				USBLM	P
10020001	SHEEP CREEK #2	443800	1124400	030	001	SW			1976		M				USBLM	P
10020001	CLARK CANYON #2	445900	1124500	030	001	SW			1976		M				USBLM	P
10020001	SHENON #1	445600	1131600	030	001	SW			1976		M				USBLM	P
10020001	SHENON #2	445500	1131200	030	001	SW			1976		M				USBLM	P
10020001	BLACK CANYON #1	445000	1131600	030	001	SW			1976		M				USBLM	P
10020001	NIP AND TUCK #1	445000	1131600	030	001	SW			1976		M				USBLM	P
10020001	MIP AND TUCK #2	445000	1131600	030	001	SW			1976		M				USBLM	P
10020001	DIVIDE CREEK #1	444800	1131200	030	001	SW			1976		M				USBLM	P
10020001	WATSON CREEK #1	450400	1131000	030	001	SW			1976		M				USBLM	P
10020001	WATSON CREEK #2	450500	1131000	030	001	SW			1976		M				USBLM	P
10020001	CLARK CANYON #3	445900	1124500	030	001	SW			1976		M				USBLM	P
10020001	N FORK EVERSON #1	445000	1131600	030	001	SW			1976		M				USBLM	P
10020001	N FORK EVERSON #2	445000	1131600	030	001	SW			1976		M				USBLM	P
10020001	SO FORK EVERSON #1	445000	1131600	030	001	SW			1976		M				USBLM	P
10020001	JEFF DAVIS CREEK #1	445000	1131600	030	001	SW			1976		M				USBLM	P
10020001	JEFF DAVIS CR #2	445000	1131600	030	001	SW			1976		M				USBLM	P
10020001	LITTLE SAGE CREEK	444700	1123200	030	001	SW			1976		M				USBLM	P
10020001	BASIN CREEK #1	444500	1123000	030	001	SW			1976		M				USBLM	P
10020001	BASIN CREEK NO 2	444500	1123000	030	001	SW			1976		M				USBLM	P
10020001	LITTLE BASIN	444500	1123000	030	001	SW			1976		M				USBLM	P
10020001	BIG SHEEP CREEK BELOW MUDDY CREEK, NR DELL,	443900	1124700	030	001	SW	280.00	004	1977	1978	X	O		X	USGS	D
10020002	CLARK CANYON #1	445500	1125300	030	001	SW			1976		M				USBLM	P

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
10020002	DYCE CREEK #1	444500	1122200	030	001	SW			1976		M				USBLM	P
10020002	DYCE CREEK #2	444700	1122200	030	001	SW			1976		M				USBLM	P
10020002	DYCE CREEK #3	444700	1122200	030	001	SW			1976		M				USBLM	P
10020002	TAYLOR CREEK #1	445200	1122400	030	001	SW			1976		M				USBLM	P
10020002	TAYLOR CREEK #2	445400	1122400	030	001	SW			1976		M				USBLM	P
10020002	TAYLOR CREEK #3	445400	1122400	030	001	SW			1976		M				USBLM	P
10020002	E FORK BLACKTAIL #1	445100	1121100	030	001	SW			1976		M				USBLM	P
10020002	E FORK BLACKTAIL #2	445100	1121100	030	001	SW			1976		M				USBLM	P
10020002	E FORK BLACKTAIL #3	445100	1121100	030	001	SW			1976		M				USBLM	P
10020002	BEAVERHEAD RIVER NEAR GRANT, MT.	450012	1125110	030	001	SW	2322.00	014	1963	1975	E				USGS	D
10020002	BEAVERHEAD RIVER AT BARRETTS, MT.	450659	1124459	030	001	SW	2737.00	124	1949		E				USGS	D
10020002	BEAVERHEAD RIVER NEAR TWIN BRIDGES, MT.	452301	1122707	030	057	SW	3619.00	124	1949		2			2	USGS	D
10020003	RUBY RIVER NEAR TWIN BRIDGES, MT.	453030	1121950	030	057	SW	935.00	124	1965	1965	A				USGS	D
10020004	MOOSE CREEK #1	454500	1124000	030	093	SW			1976		M				USBLM	P
10020004	MCLEAN CR #1	454600	1124000	030	093	SW			1976		M				USBLM	P
10020004	CAMP CREEK #1	454100	1123800	030	093	SW			1976		M				USBLM	P
10020004	CAMP CREEK #2	454100	1123800	030	093	SW			1976		M				USBLM	P
10020004	BIG HOLE RIVER NEAR MELROSE, MT.	453136	1124203	030	057	SW	2476.00	024	1956		2		0	2	USGS	D
10020004	WILLOW CREEK NEAR GLEN, MT.	452650	1124910	030	001	SW	35.60	124	1962	1965	M				USGS	D
10020004	BIRCH CREEK NEAR GLEN, MT.	452246	1124748	030	001	SW	36.00	024	1958	1962	M				USGS	D
10020005	JEFFERSON RIVER NEAR TWIN BRIDGES, MT.	453650	1121945	030	057	SW	7632.00	124	1960	1972	2	A		2	USGS	D
10020005	JEFFERSON RIVER AT SILVER STAR, MT.	454110	1121659	030	057	SW	7683.00		1971	1974	2	S		2	USGS	D
10020006	BOULDER R NR CARDWELL MT	455900	1115300	030	043	SW			1977		B				USSCS	
10020006	LITTLE BOULDER R NR BOULDER MT	461220	1120630	030	043	SW			1974		B				USSCS	
10020006	BOULDER R NR BOULDER MT	461240	1120527	030	043	SW			1974		B				USSCS	
10020007	FIREHOLE R AB DIV DAM NR OLD FAITHFUL YNP	442633	1104815	056	039	SW		004	1967	1970	K			K	USGS	D
10020007	MADISON RIVER AT KIRBY RANCH NEAR CAMERON, M	445322	1113446	030	057	SW	1065.00	014	1958	1975	2			2	USGS	D
10020008	SAGE CREEK	450400	1111200	030	031	SW			1973				A		USFS	
10020008	GALLATIN RIVER NEAR GALLATIN GATEWAY, MT.	452951	1111609	030	031	SW	825.00	004	1956	1957	E		E		USGS	D
10030101	TENMILE C AT RIMINI MONT	462900	1121500	030	049	SW			1967	1969	M				USFS	
10030101	MISSOURI RIVER AT TOSTON, MT.	460846	1112518	030	007	SW	14669.00	124	1949		E	E		E	USGS	D
10030101	SIEBEN RCH DITCH BL CLARK C, NR	465357	1120719	030	049	SW		004	1963	1967	M			M	USGS	D
10030101	L PRICKLY PEAR C AT SIEBEN R NR WOLF CREEK,	465350	1120740	030	049	SW	270.00	024	1962	1966	2	A		2	USGS	D
10030101	L PRICKLY P C AB MED ROCK C, NR	465507	1120713	030	049	SW		004	1963	1967	M			M	USGS	D

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10030101	MEDICINE ROCK CREEK NEAR WOLF CR	465606	1120736	030	049	SW			1963	1967	A			A	USGS	D
10030101	LYONS CREEK NEAR WOLF CREEK, MT.	465600	1120800	030	049	SW	29.40	004	1963	1967	M			M	USGS	D
10030101	L PRICKLY P C BL LYONS C, NR WOL	465625	1120718	030	049	SW			1964	1967	M			M	USGS	D
10030101	WOLF CREEK AT WOLF CREEK, MT.	470022	1120446	030	049	SW		004	1962	1967	M			M	USGS	D
10030101	LITTLE PRICKLY PEAR CREEK AT WOLF CREEK, MT.	470020	1120410	030	049	SW	381.00	024	1962	1967	2	A		2	USGS	D
10030102	MISSOURI RIVER AT FORT BENTON, MT.	482124	1122013	030	073	SW	24749.00	124	1965	1979	E			E	USGS	D
10030103	SHEEP CR NR WHITE SULPHUR SPR MT	464605	1104833	030	059	SW			1973		B				USSCS	
10030103	NEWLAND C NR WHITE SULPHUR SPRINGS	463800	1105500	030	059	SW			1972		B				USSCS	
10030104	MUDDY CREEK NEAR VAUGHN, MT.	473730	1113805	030	013	SW	282.00		1968		O			O	USGS	D
10030104	MUDDY CREEK AT VAUGHN, MT.	473342	1113233	030	013	SW	314.00	004	1966		O	E		O	USGS	D
10030203	MARIAS RIVER NEAR SHELBY, MT.	482538	1115320	030	101	SW	3242.00	124	1947	1953	E				USGS	D
10030203	MARIAS RIVER NEAR LOMA, MT.	475647	1103447	030	015	SW	6995.00	014	1965	1965	A				USGS	D
10030205	SHEEP CREEK NEAR WOLF CREEK, MT.	475839	1120448	030	049	SW			1964	1967	A			A	USGS	D
10030205	TETON RIVER NEAR DUTTON, MT.	475545	1113312	030	099	SW	1307.00	124	1954	1957	E		E		USGS	D
10040101	MISSOURI R AT VIRGELLE MONT	480014	1101519	030	015	SW			1962	1969	M	M			USCE	
10040101	MISSOURI RIVER AT VIRGELLE, MT.	480014	1101519	030	015	SW	34379.00		1973		E	E		E	USGS	D
10040103	E F BIG SPRINGS C BL RE	465900	1091600	030	027	SW			1975		B				USSCS	
10040103	E F BIG SPRINGS C AB BIG SPRINGS C	470200	1092200	030	027	SW			1975		B				USSCS	
10040104	MISSOURI RIVER @ FT PECK	480026	1062349	030	105	SW			1968		W				USCE	D
10040104	MISSOURI R NEAR ZORTMAN	474400	1085600	030	027	SW			1968		Q	Q			USCE	D
10040104	MISSOURI RIVER NEAR LANDUSKY, MT.	473751	1084113	030	027	SW	40987.00	124	1970		O	E		O	USGS	D
10040104	TIMBER CREEK NEAR VAN NORMAN, MT.	472420	1061025	030	055	SW	287.00	003	1976		A			A	USGS	D
10040104	NELSON CREEK NEAR VAN NORMAN, MT.	473212	1060910	030	055	SW	100.20		1975		K			K	USGS	D
10040105	BIG DRY CREEK AT JORDAN, MT.	471856	1065433	030	033	SW	521.00		1976		A			A	USGS	D
10040105	LITTLE DRY CREEK NEAR VAN NORMAN, MT.	472022	1062147	030	033	SW	1224.00	004	1975		R			R	USGS	D
10040203	FLATWILLOW CREEK NEAR MOSBY, MT.	465540	1075600	030	069	SW	1855.00	124	1964	1966	2	S		2	USGS	D
10040203	YELLOWSTONE RIVER AT HUNTLEY, MT.	465415	1081901	030	111	SW	12840.00	024	1972		E	E		E	USGS	D
10040205	MUSSELSHELL RIVER NEAR MOSBY, MT.	465600	1075500	030	069	SW	5941.00	014	1961	1966	2	R		2	USGS	D
10040205	MUSSELSHELL RIVER AT MOSBY, MT.	465941	1075318	030	069	SW	7846.00		1973		E	E		E	USGS	D
10050004	BEAVER C AB RE NR HAVRE MT	482400	1094200	030	041	SW			1974		B				USSCS	
10050004	BEAVER C BL RE NR HAVRE MT	482500	1094400	030	041	SW			1974		B				USSCS	
10050012	MILK R AT NASHUA MONT	480750	1062150	030	105	SW			1948	1969	M	M			USCE	P
10050012	WILLOW CREEK NEAR GLASGOW, MT.	480652	1064015	030	105	SW	538.00	014	1953	1964	E	E			USGS	D
10050012	MILK RIVER AT NASHUA, MT.	480752	1062150	030	105	SW	22332.00	124	1960		H	Q		H	USGS	D

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10060001	MISSOURI R NR WOLF POINT MONT	480400	1053200	030	055	SW			1948	1970	M	M			USCE	D
10060001	MISSOURI RIVER BELOW FORT PECK DAM, MT.	480239	1062121	030	055	SW	57556.00		1973		N	R		N	USGS	D
10060001	PRAIRIE ELK CREEK NEAR OSWEGO MT	475956	1055200	030	055	SW	352.00		1975		E			E	USGS	D
10060001	SAND CREEK NEAR WOLF POINT, MT.	480052	1054234	030	055	SW	201.13	004	1975		R			R	USGS	D
10060002	HORSE CREEK NEAR CIRCLE MT	472529	1053654	030	055	SW			1977		A	A		A	USGS	D
10060002	REDWATER RIVER NEAR VIDA, MT.	475407	1051254	030	055	SW	1974.00		1975		E			E	USGS	D
10060003	POPLAR RIVER AT INTERNATIONAL BOUNDARY	485930	1054140	030	019	SW	362.00	004	1964		N	N		N	USGS	D
10060003	EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY	490000	1052430	087		SW	534.00		1964		Q	E		Q	USGS	D
10060003	EAST FORK POPLAR RIVER NEAR SCOBEY, MT.	485111	1052513	030	019	SW	722.00	014	1974		N	N		N	USGS	D
10060005	MISSOURI R NR CULBERTSON MT	480720	1042820	030	083	SW			1949	1973	E	E			USCE	P
10060005	MISSOURI RIVER NEAR CULBERTSON, MT.	480724	1042830	030	083	SW	91557.00	004	1964		E	N		E	USGS	D
10060006	BIG MUDDY CREEK NEAR ANTELOPE MT	484022	1043042	030	091	SW	1171.00		1978		M	M		M	USGS	F
10070001	GARDNER R AB DIV DAM NR MAMMOTH YNP	445336	1104456	056	029	SW		004	1968	1970	K			K	USGS	D
10070001	GLEN CR AT MAMMOTH DIV NR MAMMOTH YNP	445640	1104218	056	029	SW		004	1968	1970	K			K	USGS	D
10070001	LAVA CR AB LUPINE CR NR MAMMOTH YNP	445622	1103736	056	029	SW		004	1967	1970	K			K	USGS	D
10070002	YELLOWSTONE RIVER AT CORWIN SPRINGS, MT.	450643	1104737	030	067	SW	2623.00	014	1965		E			E	USGS	D
10070002	YELLOWSTONE RIVER NEAR LIVINGSTON, MT.	453550	1103355	030	067	SW	3551.00	024	1967		E			E	USGS	D
10070002	BOULDER RIVER NEAR CONTACT, MT.	453317	1101200	030	097	SW	226.00	004	1970	1973	2	E		2	USGS	D
10070002	BOULDER RIVER AT BIG TIMBER, MT.	455003	1095617	030	097	SW	523.00	024	1965	1965	E				USGS	D
10070003	SHIELDS RIVER AT CLYDE PARK, MT.	455310	1103705	030	067	SW	543.00	024	1965	1965	E				USGS	D
10070004	YELLOWSTONE RIVER AT LAUREL MT	453915	1084532	030	111	SW	8189.00	004	1974		R	R		R	USGS	D
10070005	STILLWATER RIVER ABOVE WEST FORK AT NYE, MT.	452607	1094746	030	095	SW		004	1970	1973	M			M	USGS	D
10070005	CASTLE CREEK NEAR NYE, MT	452717	1095048	030	095	SW		004	1972	1973	R			R	USGS	D
10070005	WEST FORK STILLWATER RIVER NEAR NYE, MT.	452717	1095040	030	095	SW		004	1970	1973	M			M	USGS	D
10070005	STILLWATER RIVER AT NYE, MT.	452616	1094727	030	095	SW	337.00	024	1969	1970	E				USGS	D
10070005	STILLWATER RIVER AT BEEHIVE, MT.	452840	1094336	030	095	SW	371.00	004	1969	1973	2	A		2	USGS	D
10070005	STILLWATER RIVER NEAR ABSAROKEE, MT.	453304	1092312	030	095	SW	975.00	124	1965	1965	E				USGS	D
10070006	DEAD INDIAN CK BELOW CAMPGROUND	444500	1092500	056	029	SW			1971		A			A	USFS	D
10070006	SUNLIGHT CK @ PICNIC GROUND	444600	1092600	056	029	SW			1938		S			S	USFS	D
10070006	CLARKS FORK R.@ EAST FOREST BDY	445030	1091900	056	029	SW			1971		R			R	USFS	D
10070006	SUNLIGHT CR NR CLARK WYO	444550	1092557	056	029	SW			1972	1972	R	A		R	USGS	D
10070006	PAT OHARA CR NR CLARK WYO	444354	1091301	056	029	SW			1972	1972	R			R	USGS	D
10070006	CLARKS FORK YELLOWSTONE RIVER NEAR BELFRY MT	450037	1090353	030	009	SW	1154.00	024	1964		E	E		E	USGS	D
10070006	BIG SAND CL AB ST DITCH NR BADGER BASIN, WY	445530	1090038	056	029	SW	98.30	004	1972		2	E		2	USGS	D

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10070006	BIG SAND CL AT WY-MONT STATE LINE	450016	1090332	030	009	SW	134.00	014	1972		W	E		W	USGS	D
10070006	SILVER TIP CREEK NEAR BELFRY, MT.	450932	1085831	030	009	SW	87.60		1967	1975	2	R		2	USGS	D
10070006	NORTH FORK BLUEWATER CREEK BRIDGER, MT.	451845	1084650	030	009	SW	8.10	004	1960	1968	W			W	USGS	D
10070006	BLUEWATER CREEK NEAR BRIDGER, MT.	451954	1084804	030	009	SW	28.10	004	1959	1965	2	O		2	USGS	D
10070006	BLUEWATER C AT SANFORD RANCH NR BRIDGER, MT.	452015	1085007	030	009	SW	43.90	004	1960	1970	2	R		2	USGS	D
10070006	BLUEWATER CREEK NEAR FROMBERG, MT.	452154	1085201	030	009	SW	46.60	004	1960	1968	2	A		2	USGS	D
10070006	BLUEWATER CREEK AT FROMBERG, MT.	452258	1085403	030	009	SW	53.20	004	1960	1970	2	A		2	USGS	D
10070006	CLARKS FORK YELLOWSTONE RIVER AT EDGAR, MT.	452757	1085035	030	009	SW	2032.00	024	1964	1973	2	R		2	USGS	D
10070007	YELLOWSTONE RIVER AT BILLINGS MT	454748	1082812	030	111	SW	11795.00	024	1949		O	K		O	USGS	D
10080001	TORREY CK NR FOREST BOUNDARY	433300	1094800	056	013	SW			1973		R			A	USFS	D
10080001	WARM SPRINGS CK @ UNION PASS RD	432500	1093400	056	013	SW			1973		R			R	USFS	D
10080001	DUNOIR CK BELOW FORKS @ BRIDGE	434300	1095000	056	013	SW			1973	1974	R			R	USFS	D
10080001	WEST FK LONG CK @ LONG CK ROAD	434000	1095400	056	013	SW			1974	1974	R			R	USFS	D
10080001	BROOKS LAKE CREEK @ HIWAY 26-287	434200	1095900	056	013	SW			1973		R			R	USFS	D
10080001	BROOKS LAKE NR OUTLET	434500	1100000	056	013	SW			1974	1975	Y				USFS	C
10080001	HORSE CK @ BRIDGE BEL CAMPGROUND	434000	1093900	056	013	SW			1973		R			R	USFS	D
10080001	WIGGINS FORK NR DOUBLE CABIN CG	434400	1093300	056	013	SW			1973	1975	R			R	USFS	D
10080001	WIND RIVER NEAR DUBOIS, WYO.	433443	1094533	056	013	SW	232.00	004	1947		E			E	USGS	D
10080001	WIND RIVER AT DUBOIS WYO	433153	1093754	056	013	SW	486.00	014	1947	1948	O				USGS	P
10080001	EAST FORK WIND RIVER NR DUBOIS WYO	432716	1092757	056	013	SW	427.00	014	1950		M	Q	A		USGS	P
10080001	EAST FORK WIND RIVER NR DUBOIS WYO			056	013	SW			1975		K			K	USGS	D
10080001	DINWOODY CREEK ABOVE LAKES, NEAR BURRIS, WYO	432044	1092434	056	013	SW	88.20	004	1970	1970	A			A	USGS	D
10080001	WIND RIVER NEAR CROWHEART, WYO.	431433	1090035	056	013	SW	1891.00	014	1971		Q	A		Q	USGS	D
10080001	WYOMING CANAL NEAR LENORE, WYO.	431345	1085340	056	013	SW		024	1974	1979	N	A		N	USGS	D
10080001	LECLAIR CANAL NR RIVERTON	430202	1082614	056	013	SW			1976		N	R		N	USGS	D
10080001	WIND R AT RIVERTON, WY	430038	1082232	056	013	SW	2309.00	014	1947		4	E		4	USGS	D
10080002	BEAVER CREEK NR ARAPAHOE WYO	425716	1082539	056	013	SW	354.00	004	1949		3	Q		2	USGS	D
10080002	LITTLE WIND R NR RIVERTON WYO	425951	1082229	056	013	SW	1904.00	014	1949		E	E		E	USGS	D
10080003	MID.POPO AGIE R.@ SINKS CG FTBRG	424400	1084900	056	013	SW			1969	1975	R			R	USFS	D
10080003	ROARING FORK CK AB.WORTHEN RESVR	424200	1085600	056	013	SW			1972		A			A	USFS	D
10080003	LIT.POPO AGIE R. BELOW CANYON	424000	1084200	056	013	SW			1973		R			R	USFS	D
10080003	LIT.POPO AGIE R.@ LOOP ROAD BRDG	423600	1085130	056	013	SW			1969		A			A	USFS	D
10080003	LOUIS CK @ LOOP ROAD BRIDGE	423500	1085130	056	013	SW			1972	1974	A			A	USFS	D
10080004	MUSKRAT CREEK NEAR SHOSHONI, WYO.	430853	1080927	056	013	SW	733.00	014	1961	1973	R	R		R	USGS	D

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10080005	WYOMING CANAL BELOW PILOT DIVERSION NR MORTO	431400	1084600	056	013	SW		024	1975	1979	K	A		K	USGS	D
10080005	FIVEMILE C AB WYO CA NR PAV WYO	431804	1084204	056	013	SW	118.00	014	1948	1975	2	A		2	USGS	D
10080005	FIVEMILE C AB WYO CA NR PAV WYO	431804	1084204	056	031	SW	118.00		1960	1975	A	E		A	USGS	D
10080005	FIVEMILE CREEK NR PAVILLION WYO	431756	1084150	056	013	SW	118.00	014	1949	1949	M				USGS	P
10080005	POWERLINE WASTEWAY NR PAVILLION WYO	431500	1083700	056	013	SW		024	1949	1975	2	A		2	USGS	D
10080005	PAVILLION DRAIN NR PAVILLION WYO	431300	1083000	056	013	SW		004	1947	1975	2	A		2	USGS	D
10080005	OCEAN DRAIN NR PAVILLION,WY	431156	1083408	056	013	SW		004	1947		3			2	USGS	D
10080005	OCEAN DRAIN NR PAVILLION WYO	431300	1082800	056	013	SW		004	1947	1975	2	A		2	USGS	D
10080005	DUDLEY WASTEWAY NR PAVILLION WYO	431300	1082700	056	013	SW		004	1949	1975	2			2	USGS	D
10080005	KELLETT DRAIN NR PAVILLION WYO	431200	1082500	056	013	SW		004	1947	1975	2	A		2	USGS	D
10080005	DEWEY DRAIN NR PAVILLION WYO	431200	1082500	056	013	SW		004	1947	1975	2			2	USGS	D
10080005	FIVEMILE 76 DRAIN NR RIVERTON WYO	431200	1082500	056	013	SW		004	1949	1950	0				USGS	P
10080005	SAND GULCH DRAIN AND WASTEWAY NR RIVERTON WY	431200	1082400	056	013	SW		004	1949	1975	2			2	USGS	D
10080005	FIVE MILE CREEK NEAR RIVERTON, WYO.	431214	1082354	056	013	SW	356.00	124	1948	1965	2	Q		2	USGS	D
10080005	LOST WELLS BUTTE DRAIN NR RIVERTON WYO	431200	1082300	056	013	SW		004	1949	1975	2			2	USGS	D
10080005	COLEMAN DRAIN NR SHOSHONI WYO	431100	1082100	056	013	SW		004	1947	1975	2	A		2	USGS	D
10080005	SAND GULCH NR SHOSHONI WYO	431138	1081850	056	013	SW	18.60	124	1947	1975	2	Q		2	USGS	D
10080005	EAGLE DRAIN NR SHOSHONI WYO	431200	1081500	056	013	SW		004	1947	1975	2	A		2	USGS	D
10080005	LATERAL P-34.9 WASTEWAY NR SHOSHONI WYO	431300	1081300	056	013	SW		004	1949	1975	2			2	USGS	D
10080005	FIVEMILE CREEK NEAR SHOSHONI, WYO.	431320	1081306	056	013	SW	418.00	014	1947		2	E		2	USGS	D
10080005	LATERAL P-36.8 WASTEWAY NR SHOSHONI WYO	431400	1081200	056	013	SW		004	1949	1950	0				USGS	P
10080005	DEAD MAN GULCH NR MONETA WYO	431037	1074702	056	013	SW	4.46	004	1966	1966	A	A		A	USGS	D
10080005	POISON CREEK NR SHOSHONI WYO	431412	1080817	056	013	SW	500.00	004	1949	1975	3	A			USGS	D
10080005	MUDDY CREEK NEAR PAVILLION, WYO.	432146	1083608	056	013	SW	267.00	014	1949	1972	2	R		2	USGS	D
10080005	MUDDY CREEK NEAR SHOSHONI, WYO.	431710	1081630	056	013	SW	332.00		1949	1978	2	N		2	USGS	D
10080005	COTTONWOOD CREEK NR BONNEVILLE WYO	432105	1081737	056	013	SW	165.00	124	1976	1976	0	Q			USGS	P
10080006	BADWATER CREEK NEAR LYSITE, WYO.	431553	1074144	056	013	SW	415.00	004	1964	1973	2	K		2	USGS	D
10080006	BRIDGER CREEK NEAR LYSITE, WYO.	431722	1074316	056	013	SW	182.00	004	1964	1973	2	R		2	USGS	D
10080006	DOLUS CR NR LYSITE WYO	431715	1074610	056	013	SW			1966	1966	A	A		A	USGS	D
10080006	DRY CREEK NEAR BONNEVILLE, WYO.	431652	1075445	056	013	SW	52.60	004	1967		A	E		A	USGS	D
10080006	HOODOO CR NR BONNEVILLE WYO	431820	1075835	056	013	SW			1966	1966	A			A	USGS	D
10080006	BADWATER CREEK AT BONNEVILLE, WYO.	431609	1080446	056	013	SW	808.00	004	1946	1973	2	K		2	USGS	D
10080007	NOWATER CREEK NEAR COLTER WYOMING	435430	1075750	056		SW			1981		0	M			USBLM	
10080007	BIGHORN RIVER AT THERMOPOLIS, WYO.	433846	1081208	056	017	SW	8020.00	124	1946	1972	2	Q			USGS	D

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10080007	S F OWL C NR ANCHOR WYO	433953	1085202	056	017	SW	85.50	004	1974		E			E	USGS	D
10080007	OWL CREEK NEAR LUCERNE, WYO.	434300	1081100	056	017	SW	509.00	014	1947	1947	M				USGS	P
10080007	COTTONWOOD C AT COUNTY BR NR HAMILTON DOME W	434540	1084030	056	017	SW			1977		R	R		R	USGS	D
10080007	COTTONWOOD C AT ST HWY 120 NR HAMILTON DOME	435027	1082800	056	017	SW			1977		K	K		K	USGS	D
10080007	GRASS C AB L GRASS C NR GRASS CREEK WY	435332	1084711	056	017	SW			1977		R	R		R	USGS	D
10080007	GRASS C NR MOUTH NR HAMILTON DOME WY	435214	1082336	056	017	SW			1977		R	R		R	USGS	D
10080007	COTTONWOOD CREEK AT WINCHESTER WYO	435145	1080910	056	043	SW	416.00	014	1965		A	E		A	USGS	D
10080007	GOOSEBERRY CREEK AT DICKIE, WYO.	440000	1084525	056	017	SW	95.00	004	1978		K	K		K	USGS	D
10080007	GOOSEBERRY C AT ST HWY 431 NR GRASS CREEK WY	440014	1083112	056	017	SW			1977	1979	K	K		K	USGS	D
10080007	GOOSEBERRY CREEK AT NEIBER, WYO.	435522	1080348	056	043	SW	361.00	014	1965	1966	S	A		S	USGS	D
10080007	EAST FORK NOWATER CREEK NEAR COLTER, WYO.	435455	1075546	056	043	SW	149.00	004	1978		R	R		R	USGS	D
10080007	NOWATER C 4 MI SO OF WORLAND, WYO	435826	1075928	056	043	SW		004	1966	1966	A	A		A	USGS	D
10080007	MIDDLE FORK FIFTEEN MILE CR NR WORLAND WYO	440412	1081343	056	043	SW			1978		R	R		A	USGS	D
10080007	FIFTEEN MILE CREEK NEAR WORLAND, WYO.	440114	1080042	056	043	SW	518.00		1951		2	K		2	USGS	D
10080007	BIGHORN R AT WORLAND WYO	440048	1075808	056	043	SW	10810.00		1965		2	Q		2	USGS	D
10080007	BIGHORN R AT WORLAND WYO	440048	1075808	056	043	SW			1974		E	E		E	USGS	D
10080007	SLICK C 3.5 MILES NE OF WORLAND WY	440330	1075559	056	043	SW		004	1950	1951	M				USGS	P
10080007	BIGHORN R NR MANDERSON WYO	441200	1075500	056	003	SW	11020.00	014	1948	1971	2	Q	A		USGS	D
10080007	BIGHORN R AT MANDERSON WYO	441600	1075900	056	003	SW	11048.00	014	1946	1975	2	Q		2	USGS	D
10080007	ELK CR NR BASIN WYO	441830	1080150	056	003	SW	96.90	024	1967	1967	A			A	USGS	D
10080007	ANTELOPE C 2 MILES S OF BASIN WY	442128	1080202	056	043	SW		004	1950	1951	Q				USGS	P
10080008	TENSLEEP CK AT FOREST BOUNDARY	440500	1072000	056	043	SW			1968		K			K	USFS	D
10080008	LAKE CK AT HIWAY 16 AB MEADOWLAR	441100	1071300	056	003	SW			1970	1975	A			A	USFS	D
10080008	PAINTROCK CK AB HYATT RANCH	441700	1073100	056	003	SW			1972		K			K	USFS	D
10080008	MEDICINE LODGE CK AT USGS 2730	441737	1073233	056	003	SW			1972		K			K	USFS	D
10080008	SPRING CR NR TEN SLEEP WYO	435730	1072320	056	043	SW	57.90		1967	1967	A			A	USGS	D
10080008	NOWOOD R NR TENSLEEP, WY	440048	1072539	056	043	SW	803.00	004	1967		M	A		M	USGS	D
10080008	CANYON CREEK BELOW COOKS CANYON, NEAR TENSLE	440030	1071740	056	043	SW	72.00	004	1969	1971	H	A		H	USGS	D
10080008	NOWOOD RIVER TRIB NO 2 NR MANDERSON WYO	441633	1075430	056	003	SW	1.59	004	1967		A			A	USGS	D
10080008	NOWODD R AT MANDERSON, WYO	441634	1075735	056	003	SW	2000.00	014	1965		E			E	USGS	D
10080009	WOOD R.NEAR GUARD STA.AB BROWN C	435600	1090600	056	029	SW			1972		A			A	USFS	D
10080009	TH WOOD R AT BROWN MTN CG	435600	1091100	056	029	SW			1975		E			E	USFS	D
10080009	WOOD RIVER NEAR KIRWIN, WYO.	435210	1091839	056	039	SW	7.66	004	1970	1975	A			A	USGS	D
10080009	WOOD R AT KIRWIN WYO	435233	1091752	056	029	SW	11.40	004	1975	1975	A			A	USGS	D

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10080009	WOOD RIVER AT SUNSHINE, WYO.	440215	1085824	056	029	SW	194.00	014	1975	1975	N			N	USGS	D
10080009	GREYBULL RIVER AT MEETEETSE, WYO.	440920	1085235	056	029	SW	681.00	014	1954	1975	2	A		2	USGS	D
10080009	GREYBULL RIVER NEAR BASIN, WYO.	442424	1081110	056	003	SW	1115.00	014	1951		E			E	USGS	D
10080009	M F WOOD R NR KIRWIN WY	435543	1090816	056	029	SW			1975	1975	A	A		A	USGS	D
10080009	DEER C NR KIRWIN WY	435608	1090838	056	029	SW			1975	1975	A			A	USGS	D
10080009	DICK C NR KIRWIN WY	435919	1090528	056	029	SW			1975	1975	A			A	USGS	D
10080009	SUNSHINE RES TRIB NR MEETEETSE WY	440155	1090300	056	029	SW			1975	1975	A			A	USGS	D
10080010	SHELL CK AT USGS 2785 NR SHELL	443354	1074244	056	003	SW			1971		K			K	USFS	D
10080010	PORCUPINE CK AT STAFF NR MDCNWHL	445000	1075200	056	003	SW			1971	1975	A			R	USFS	D
10080010	DRY CREEK AT GREYBULL WYO	443000	1080300	056	003	SW	433.00	124	1950		5	Q		5	USGS	D
10080010	SHELL CREEK NEAR SHELL WYO	443354	1074244	056	003	SW	145.00	014	1967	1967	A			A	USGS	D
10080010	SHELL C NR GREYBULL, WYO	443034	1080252	056	003	SW	560.00	014	1951		E			E	USGS	D
10080010	BIGHORN R AT KANE WYO	444531	1081051	056	003	SW	15765.00	014	1946		2	R		2	USGS	D
10080010	BIG COULEE NEAR LOVELL, WYO.	445831	1081750	056	003	SW	28.80	004	1970	1978	A	A		A	USGS	D
10080012	NORTH FORK SHOSHONE R AB PAHASKA	443000	1095600	056	029	SW			1970		R			R	USFS	D
10080012	CLEARWATER CK @ HIWAY 14-16-20	442800	1094000	056	029	SW			1972	1975	A			A	USFS	D
10080012	MOSS CK BELOW HOMES NR HIWAY	442700	1094300	056	029	SW			1972	1974	A			A	USFS	D
10080012	ELK FORK CK @ ELK FK CG	442800	1093700	056	029	SW			1970		A			A	USFS	D
10080012	NORTH FK SHOSHONE R @ FOREST BDY	442800	1093100	056	029	SW			1970		R			R	USFS	D
10080012	CLOCKTOWER CK @ HIWAY 14-16-20	442800	1093400	056	029	SW			1972	1975	A			A	USFS	D
10080013	SOUTH FK SHOSHONE R NR VALLEY	441230	1093315	056	029	SW			1972		A			A	USFS	D
10080014	SHOSHONE R BEL WILLWOOD DAM NR RALSTON WYO	444023	1085459	056	029	SW		014	1972	1972	A	A		A	USGS	D
10080014	ALKALI C NR RALSTON WY	444318	1085118	056	017	SW		004	1949	1953	Q				USGS	
10080014	SHOSHONE RIVER NEAR LOVELL WYO	445020	1082600	056	003	SW	2350.00	124	1965		M				USGS	D
10080014	SHOSHONE RIVER NEAR LOVELL WYO	445020	1082600	056	003	SW			1974		H	A		H	USGS	D
10080014	SAGE CREEK NR LOVELL WYO	445100	1082700	056	003	SW	381.00	124	1950	1971	2	Q		2	USGS	D
10080014	SHOSHONE R AT KANE WY	445131	1081951	056	003	SW	2989.00	124	1958		2	Q		2	USGS	D
10080014	BITTER C AT SHIPROCK NR POINT OF ROCKS, WY	444105	1085002	056	037	SW			1976	1976	A	A		A	USGS	D
10080015	BEAUVAIS CREEK NEAR ST. XAVIER, MT.	452840	1080033	030	003	SW	100.00	004	1967		E	E		E	USGS	D
10080015	BIGHORN RIVER AT BIGHORN, MT.	460850	1072800	030	103	SW	22885.00		1945		2	E		2	USGS	D
10080016	LITTLE BIGHORN R BL PASS CREEK, NR WYOLA, MT	451038	1072336	030	003	SW	428.00	024	1968		2	E		2	USGS	D
10080016	LITTLE BIGHORN RIVER NEAR HARDIN, MT.	454408	1073327	030	003	SW	1294.00	124	1968		E	E		E	USGS	D
10090101	SOUTH TONGUE R AT USGS 2970	444702	1072810	056	033	SW			1971		K			K	USFS	D
10090101	PRUNE CK AT STAFF AB SIBLEY LAKE	444500	1072600	056	033	SW			1970	1975	N			N	USFS	D

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10090101	TONGUE R AT CAMPGROUND NR DAYTON	445100	1071800	056	033	SW			1968		A			A	USFS	D
10090101	NORTH TONGUE R NR BURGESS RS	444700	1073200	056	033	SW			1975		K			K	USFS	D
10090101	BIG GOOSE CK AT USGS GAGE 3020	444208	1071051	056	033	SW			1968		K			K	USFS	D
10090101	LITTLE GOOSE CK AT USGS STA 3035	443546	1070222	056	033	SW			1970		K			K	USFS	D
10090101	W FK BIG GOOSE CK AT USGS 3015	443647	1071749	056	033	SW			1974		A			A	USFS	D
10090101	RAPID CK @ STAFF AB B.GOOSE ROAD	443700	1071100	056	033	SW			1968	1975	E			E	USFS	D
10090101	WOLF CREEK AT WOLF,WYO.	444621	1071401	056	033	SW	37.80	004	1946	1975	2			2	USGS	D
10090101	SLATER CREEK NEAR MONARCH, WYO	445432	1070249	056	033	SW	18.00		1967	1967	A			A	USGS	D
10090101	TONGUE RIVER AT MONARCH WYO	445408	1070149	056	033	SW			1977		A	A			USGS	D
10090101	GOOSE CREEK BELOW SHERIDAN WYO	444925	1065740	056	033	SW	392.00	124	1959		M	A		M	USGS	D
10090101	SQUIRREL CREEK NR DECKER, MT.	450305	1065536	030	003	SW	33.60		1975		M				USGS	D
10090101	PRAIRIE DOG CREEK NEAR ACME, WYO.	445905	1065015	056	033	SW	358.00	004	1976		A			A	USGS	D
10090101	TONGUE RIVER AT STATE LINE NR DECKER MONT	450032	1065008	030	003	SW	1477.00	124	1964		A			A	USGS	D
10090101	DEER CREEK NEAR DECKER, MT.	450319	1064209	030	003	SW	38.30		1975		R			R	USGS	D
10090101	TONGUE RIVER AT TONGUE R DAM, NEAR DECKER, M	450829	1064615	030	003	SW	1770.00		1950		E	E		E	USGS	D
10090101	FOURMILE CREEK NEAR BIRNEY, MT.	451228	1064252	030	087	SW			1975	1975	A			A	USGS	D
10090101	BULL CREEK NEAR BIRNEY, MT.	451717	1063555	030	087	SW			1975	1975	A			A	USGS	D
10090101	HANGING WOMAN C AT STATELINE NR OTTER MT	450007	1062529	030	003	SW		004	1979		M	M		M	USGS	F
10090101	WADDLE CREEK NEAR OTTER MT	450259	1062708	030	003	SW		004	1979		N	N		N	USGS	F
10090101	EAST TRAIL CREEK NEAR OTTER MT	450409	1062435	030	003	SW	31.30	014	1977		M	M			USGS	D
10090101	CORRAL CREEK NR OTTER MT	450517	1062751	030	003	SW		004	1979		N	N		N	USGS	F
10090101	HORSE CREEK NR BIRNEY MT	450750	1062832	030	003	SW		004	1979		N	N		N	USGS	F
10090101	GOOSE C #1	445435	1065918	056	033	SW			1976		M	M			WY004	
10090101	GOOSE C #3	445441	1065847	056	033	SW			1976		M	M			WY004	
10090101	TONGUE R #1	445406	1070110	056	033	SW			1976		M	M			WY004	
10090101	TONGUE R #2	445426	1065753	056	033	SW			1976		M	M			WY004	
10090101	TONGUE R #3	445658	1065625	056	033	SW			1976		M	M			WY004	
10090101	TONGUE R #4	445758	1065430	056	033	SW			1976		M	M			WY004	
10090101	TONGUE R #5	445443	1065813	056	033	SW			1976		M	M			WY004	
10090101	TONGUE R #6 ON ASH C	445638	1065633	056	033	SW			1976		M	M			WY004	
10090101	TONGUE R #7 ON YOUNGS C	445836	1065513	056	033	SW			1976		M	M			WY004	
10090101	TONGUE R #8 ON PRAIRIE DOG C	445902	1065021	056	033	SW			1976		M	M			WY004	
10090102	TONGUE RIVER BL HANGING WOMAN C., NR BIRNEY.	452019	1063128	030	087	SW	2533.00	014	1974		K	K		K	USGS	D
10090102	TONGUE R AT BIRNEY DAY SCHOOL BRIDGE NR BIRN	452443	1062725	030	087	SW		004	1979		M	M		M	USGS	F

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10090102	BEAR CREEK AT OTTER, MT.	451220	1061220	030	075	SW			1975		K			K	USGS	D
10090102	THREEMILE CREEK NEAR ASHLAND, MT.	453046	1060925	030	087	SW			1975	1975	A			A	USGS	D
10090102	HOME CREEK NEAR ASHLAND MT	453235	1061139	030	075	SW	58.70		1977		N	N		N	USGS	D
10090102	BEAVER CREEK NEAR ASHLAND, MT.	454752	1061417	030	087	SW			1975		K			K	USGS	D
10090102	TONGUE R BL BRANDENBERG BRIDGE, NR ASHLAND,	455218	1061117	030	017	SW	4062.00	014	1973		O	E		O	USGS	D
10090102	LISCOM CREEK NEAR ASHLAND, MT.	455409	1060951	030	017	SW			1975		A	A		A	USGS	D
10090102	FOSTER CREEK NEAR VOLBORG, MT.	460153	1055707	030	017	SW			1975		A	A		A	USGS	D
10090102	PUMPKIN CREEK NEAR SONNETTE, MT.	453220	1054903	030	075	SW	70.70		1975		M				USGS	D
10090102	PUMPKIN CREEK NEAR LOESCH, MT.	454240	1054350	030	075	SW	102.00	004	1975		N	N		N	USGS	D
10090102	LITTLE PUMPKIN CREEK NEAR VOLBORG, MT.	454600	1054642	030	075	SW	86.94		1976		A	A		A	USGS	D
10090102	PUMPKIN CREEK NEAR VOLBORG, MT.	455150	1054010	030	017	SW	386.00		1975		A	A		A	USGS	D
10090102	PUMPKIN CREEK NEAR MILES CITY MT	461342	1054124	030	017	SW	697.00	024	1975		M				USGS	D
10090102	TONGUE RIVER AT MILES CITY, MT.	462130	1054824	030	017	SW	5379.00	124	1946		O	E		O	USGS	D
10090201	M F POWDER R ABOVE KAYCEE, WYO.	433851	1064829	056	019	SW	450.00	014	1949	1970	2	A		2	USGS	D
10090202	FORTIFICATION CREEK AT THE POWDER	442700	1060400	056	019	SW			1980		B				USBLM	
10090202	POWDER RIVER NEAR KAYCEE, WYO.	434135	1063148	056	019	SW	980.00		1949		O	Q			USGS	D
10090202	POWDER RIVER AT SUSSEX, WYO.	434154	1061750	056	019	SW	3090.00	014	1949		2	Q		2	USGS	D
10090202	DEAD HORSE CREEK NEAR BUFFALO, WYO.	441250	1060620	056	019	SW	151.00		1976	1976	A			A	USGS	D
10090202	POWDER R AT ARVADA WYO	443845	1060800	056	033	SW	6050.00		1946		W	E		W	USGS	D
10090202	NORTH PINEY CREEK NEAR STORY, WYOMING	443450	1065555	056	033	SW	36.80		1976		A			A	USGS	D
10090202	POWDER R AB SALT CR NR SUSSEX WY	434129	1062033	056	019	SW			1976		A			A	USGS	D
10090203	SOUTH FORK POWDER R. NR. KAYCEE, WYO.	433710	1063436	056	019	SW	1150.00		1950		2			2	USGS	D
10090204	SALT CREEK NEAR SUSSEX, WYO.	433719	1062204	056	019	SW	765.00	014	1952		M		A		USGS	D
10090204	SALT C 2MI W OF SUSSEX WY	434102	1062030	056	019	SW		004	1951	1952	Q				USGS	P
10090205	NORTH FK CRAZY WOMAN C STAFFGAGE	441000	1065600	056	019	SW			1970	1975	A			R	USFS	D
10090205	POLE CK BEL BIWAY 16 @ STAFFGAGE	441200	1065600	056	019	SW			1970	1975	N			N	USFS	D
10090205	N FK CRAZY WOMAN CR BL SPRING DR NR BUFFALO,	441138	1064647	056	019	SW	51.70	014	1951	1951	M				USGS	P
10090205	N FK CRAZY WOMAN CR NR GREUB, WYO.	440450	1063940	056	019	SW	174.00	014	1964	1968	2	R		2	USGS	D
10090205	CRAZY WOMAN CREEK AT UPPER STA, NEAR ARVADA,	442915	1061025	056	019	SW	945.00		1950		2			2	USGS	D
10090205	CRAZY WOMAN CREEK NEAR ARVADA, WYO.	442900	1060900	056	019	SW	956.00	014	1949	1975	3	Q		2	USGS	D
10090206	NORTH PINEY CK AT USGS STA 3215	443450	1065555	056	033	SW			1970		K			K	USFS	D
10090206	ROCK CK AT USGS GAGE 3200 NR BUF	442722	1065242	056	019	SW			1972		K			K	USFS	D
10090206	SOUTH PINEY CK AT USGS 3210	443326	1065611	056	019	SW			1968	1974	K			K	USFS	D
10090206	CLEAR CK AT USGS GAGE 3185	442000	1064610	056	019	SW			1971		K			K	USFS	D

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10090206	CLEAR CREEK NEAR BUFFALO, WYO.	441958	1064636	056	019	SW	120.00		1976		A			A	USGS	D
10090206	CLEAR C BL ROCK C NR BUFFALO WY	442144	1063913	056	019	SW	322.00	024	1975		E			E	USGS	D
10090206	CLEAR CREEK AT UCROSS WY	443309	1063206	056	019	SW	409.00	024	1975		M		A		USGS	D
10090206	PINEY CREEK AT KEARNY, WYO.	443210	1064920	056	019	SW	118.00	124	1975		A			A	USGS	D
10090206	SHELL CR AB LK DE SMET NR BUFFALO, WYO	443010	1064710	056	019	SW			1977	1979	A				USGS	D
10090206	PINEY CR AB LAKE DE SMET OUTLET NR BUFFALO,	443128	1064635	056	019	SW			1977	1979	A			A	USGS	D
10090206	LK DESMET OUTFLOW TO PINEY C NR KEARNEY	443100	1064649	056	033	SW			1977		A			A	USGS	D
10090206	PINEY CR BEL LAKE DE SMET OUTLET NR BUFFALO,	443127	1064631	056	019	SW			1977		A			A	USGS	D
10090206	PINEY CR BL LAKE DE SMET OUTLET NR BUFFALO,	443116	1064510	056	019	SW			1977	1979	A			A	USGS	D
10090206	PINEY C BL SENFF DRAW NR UCROSS WY	443339	1064258	056	019	SW			1977		A			A	USGS	D
10090206	PINEY CREEK AT UCROSS WYO	443345	1063225	056	033	SW	267.00		1978		A	A			USGS	D
10090206	CLEAR CREEK NEAR ARVADA WYO	445218	1060456	056	033	SW	1110.00		1950		E			E	USGS	D
10090206	PINEY C BL SENFF DRAW NR UCROSS WY	443339	1064258	056	019	SW			1976	1976	A				USGS	D
10090207	POWDER RIVER AT MOORHEAD, MT.	450404	1055210	030	075	SW	8088.00	014	1951		W			W	USGS	D
10090207	POWDER RIVER AT BROADUS MT	452540	1052415	030	075	SW	8748.00	014	1974		O	Q		O	USGS	D
10090208	LITTLE POWDER RIVER	444500	1052400	056	005	SW			1980		B				USBLM	
10090208	RAWHIDE CRK AT JCT WITH COTIONWD C	443030	1052300	056	005	SW			1980		B				USBLM	
10090208	RAWHIDE CREEK AT U S HIGHWAY 14-16, NR GILLE	442530	1053350	056	005	SW			1975		A	A		E	USGS	D
10090208	L POWDER RIVER AB COTTONWOOD CREEK NEAR WEST	443610	1051840	056	005	SW			1975		A			A	USGS	D
10090208	COTTONWOOD C NR WESTON WY	443630	1051740	056	005	SW			1975		A	A		A	USGS	D
10090208	L POWDER R NR WESTON WY	443900	1051850	056	005	SW			1969		A	A		A	USGS	D
10090208	L POWDER RIVER AB DRY C NR WESTON, WY	445545	1052106	056	005	SW	1235.00	014	1975		E	E		E	USGS	D
10090209	POWDER RIVER NEAR LOCATE, MT.	462656	1051844	030	017	SW	13194.00		1950		W			W	USGS	D
10090209	LOCATE CREEK NEAR ISMAY MT	462520	1050745	030	017	SW		004	1979		N	N		N	USGS	F
10090210	MIZPAH CREEK AT OLIVE, MT.	453230	1053140	030	075	SW	129.00		1975		K	K		K	USGS	D
10090210	MIZPAH CREEK NEAR VOLBORG, MT.	455600	1052340	030	017	SW	510.00	004	1975		N	N		N	USGS	D
10090210	MIZPAH CREEK NEAR MIZPAH, MT.	461539	1051734	030	017	SW	797.00	004	1975		M				USGS	D
10090902	WILLOW CREEK AT THE POWDER RIVER	435400	1060900	056	019	SW			1980		B				USBLM	
10090902	WILLOW CR AT THE POWDER RIVER	435400	1060900	056	019	SW			1980		B				USBLM	
10100001	YELLOWSTONE RIVER AT MYERS, MT.	461506	1072055	030	103	SW		004	1974		N	N		N	USGS	D
10100001	WEST FORK ARMELLS CREEK NEAR FORSYTH, MT.	460510	1064609	030	087	SW			1974		N	N		N	USGS	D
10100001	YELLOWSTONE RIVER AT FORSYTH, MT.	461553	1064143	030	087	SW	40339.00	024	1974		W	E		W	USGS	D
10100001	YELLOWSTONE RIVER NEAR MILES CITY, MT.	462351	1055336	030	017	SW	42847.00	004	1967		E	E		E	USGS	D
10100003	ROSEBUD C AT RESERVATION BOUNDARY NR KIRBY M	452139	1063910	030	003	SW	101.99	004	1979		N	N		N	USGS	F

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10100003	ROSEBUD CREEK NEAR COLSTRIP, MT.	454603	1063410	030	087	SW			1977		R	R		R	USGS	D
10100003	GREENLEAF CREEK NEAR COLSTRIP, MT.	454857	1062508	030	087	SW			1975	1975	A			A	USGS	D
10100003	COW CREEK NEAR COLSTRIP MT	455151	1062702	030	087	SW	27.23	004	1979		N	N		N	USGS	F
10100003	ROSEBUD CREEK AT MOUTH, NEAR ROSEBUD, MT.	461553	1062830	030	087	SW			1977		R	R		R	USGS	D
10100004	YELLOWSTONE RIVER NEAR TERRY, MT.	464817	1051736	030	079	SW	63447.00	004	1974		N	N		N	USGS	D
10100004	CHERRY CREEK NEAR TERRY MT	465100	1051927	030	079	SW			1977		M	M		M	USGS	F
10100004	BURNS CREEK NEAR SAVAGE, MT.	472220	1042546	030	083	SW	233.00	004	1975		Q			Q	USGS	D
10100004	YELLOWSTONE RIVER NEAR SIDNEY, MT.	474042	1040922	030	083	SW	69103.00	124	1948		O	E		O	USGS	D
10110101	MISSOURI RIVER NR WILLISTON, ND	480640	1034300	038	053	SW	164500.00		1945		E	E			USGS	D
10110101	BEAR DEN CREEK NR MANDAREE, ND	474714	1024605	038	053	SW	74.00	004	1966		K	E		K	USGS	D
10110201	LITTLE MISSOURI RIVER AT ALZADA MT	450300	1041200	030		SW			1980		B				USBLM	
10110201	N FORK LITTLE MISSOURI RIVER	445600	1043600	056	011	SW			1980		B				USBLM	
10110201	LITTLE MISSOURI RIVER AT ALZADA, MT.	450100	1042400	030	011	SW	671.00	004	1949	1950	O	X			USGS	P
10110203	LITTLE MISSOURI RIVER AT MARMARTH, ND	461744	1035506	038	087	SW	4640.00		1945		2			2	USGS	D
10110203	LITTLE MISSOURI RIVER AT MEDORA, ND	465510	1033140	038	007	SW	6190.00		1946		2	Q		2	USGS	D
10110205	LITTLE MISSOURI R NEAR WATFORD	473525	1031522	038	053	SW			1968		E	E			USCE	D
10110205	LITTLE MISSOURI RIVER NR WATFORD CITY, ND	473525	1031505	038	053	SW	8310.00	004	1947		E	R		E	USGS	D
10120020	DONKEY CREEK NEAR ROZET	441600	1052130	056	027	SW			1980		B				USBLM	
10120101	PORCUPINE CR AT HILIGHT RD	433500	1052000	056	005	SW			1975	1975	K				USFS	D
10120101	UPPER ANTELOPE CR	432600	1053300	056	009	SW			1975	1975	K				USFS	D
10120101	BEAR CREEK	431800	1053600	056	009	SW			1975	1975	K				USFS	D
10120101	ANTELOPE CR AT IRWIN RD	432900	1052000	056	009	SW			1975	1975	K				USFS	D
10120101	PORCUPINE C AB BOSS C NR TECKLA			056	005	SW			1976		M	Q	Q		USGS	
10120102	DRY FORK CHEYENNE RIVER	431200	1054300	056	009	SW			1980		B				USBLM	
10120102	AT FIDDLEBACK CROSSING	432500	1050300	056	009	SW			1975	1975	R				USFS	D
10120102	DRY FORK CHEYENNE RIVER NEAR BILL, WYO	431321	1054000	056	009	SW	128.00	024	1976		M		A		USGS	D
10120102	DRY FORK CHEYENNE R NR ORPHA WY	431253	1054204	056	009	SW			1976	1976	A			A	USGS	D
10120103	UPPER LITTLE THUNDER CREEK	434000	1051700	056	005	SW			1975	1975	K				USFS	D
10120103	LOWER LITTLE THUNDER CREEK	434000	1051100	056	005	SW			1975	1975	K				USFS	D
10120103	SCHOOL CR AT STOCK WATER RES	434000	1051000	056	005	SW			1975	1975	K				USFS	D
10120103	CHEYENNE RIVER NR DULL CENTER WY	432545	1050243	056	009	SW	1527.00	024	1975		E			E	USGS	D
10120104	LANCE CREEK NR RIVERVIEW WY	432200	1041600	056	027	SW	2070.00	004	1950		3	E		3	USGS	D
10120105	BOX CREEK AT HIGHWAY 59	430600	1051600	056	009	SW			1980		B				USBLM	
10120105	SAGE CREEK	430000	1053700	056	009	SW			1980		B				USBLM	

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10120105	BOX C BL CONFLUENCE NR BILL WY	430435	1052337	056	009	SW			1976		A	A		A	USGS	D
10120105	LIGHTNING CR NR COW CR	431400	1043725	056	027	SW			1978		A	A			USGS	D
10120106	CHEYENNE RIVER NEAR EDGEMONT SD	432100	1040100	046		SW			1980		B				USBLM	
10120106	CHEYENNE RIVER NR RIVERVIEW WY	432500	1040800	056	027	SW	5270.00		1951		E	E		E	USGS	D
10120106	CHEYENNE R NEAR HOT SPRINGS SD	431819	1033343	046	047	SW	8710.00	004	1852	1967	2	N		2	USGS	D
10120107	BEAVER CREEK NEAR NEWCASTLE, WYO.	433207	1040702	056	045	SW	1320.00	014	1949		2			2	USGS	D
10120108	HAT CR NEAR EDGEMONT SD	431446	1033516	046	047	SW	1044.00	004	1949	1979	2	E		2	USGS	D
10120109	CHEYENNE R BELOW ANGOSTURA DAM SD	432042	1032612	046	047	SW	9100.00		1951		E	E			USGS	D
10120110	CASTLE CR ABOVE DEERFIELD RES NEAR HILL CITY	440049	1034948	046	103	SW	83.00		1963		Q			Q	USGS	D
10120112	CHEYENNE R NEAR PLAINVIEW SD	443116	1015934	046	055	SW	21600.00	124	1972	1979	E				USGS	
10120112	CHEYENNE R AT CHERRY CREEK SD	443610	1012924	046	137	SW	23900.00	124	1970		E	R		E	USGS	D
10120201	RAVEN CREEK AT BELLE FOURCHE RIVER	441030	1050430	056	005	SW			1980		B				USBLM	
10120201	CABALLO CREEK AT BELLE FOURCHE R	440500	1051200	056	005	SW			1980		B				USBLM	
10120201	BELLE FOURCHE R BL RATTLESNAKE C NR PINEY WY	435904	1052316	056	005	SW	495.00	004	1975		C		A	O	USGS	D
10120201	BELLE FOURCHE R AB DRY C NR PINEY WY	440130	1051935	056	005	SW	594.00	004	1975		C		A	D	USGS	D
10120201	DONKEY C NR MOORCROFT WY	441658	1050348	056	011	SW			1978		A	A			USGS	D
10120201	BELLE FOURCHE RIVER BELOW MOORCROFT, WYO.	441744	1045835	056	011	SW	1670.00	014	1945		3	A	A	2	USGS	D
10120201	DONKEY C 0.4MI AB LEE DRAW AB WYODAK MINE WY	441628	1052408	056	005	SW			1977		A			A	USGS	D
10120201	DONKEY CR BL WYODAK MINE NR GILLETTE WY	441550	1052030	056	005	SW			1975		A	A			USGS	D
10120201	DONKEY C 0.5MI BL LEE DRAW AB WYODAK MINE WY	441650	1052330	056	005	SW			1975		A	A			USGS	D
10120202	INDIAN CR NEAR ARPAN SD	444851	1034122	046	019	SW	315.00		1965	1979	E	E		E	USGS	D
10120202	HORSE CR NEAR VALE SD	443930	1032017	046	019	SW	530.00		1964		E	E		E	USGS	D
10120202	BELLE FOURCHE R NEAR STURGIS SD	443047	1030811	046	093	SW	5870.00	124	1954		2	E		2	USGS	D
10120202	BELLE FOURCHE R NEAR ELM SPRINGS SD	442211	1023356	046	093	SW	7210.00	124	1946		6			6	USGS	D
10120203	REDWATER CR AT WY-SD STATE LINE	443426	1040254	046	019	SW	471.00		1969		H	E		H	USGS	D
101238 E	WHITEWOOD C NR VALE SD			046	019	SW		004	1959	1962	E		E		USGS	P
101238 E	INDIAN C NR NEWELL SD			046	019	SW		004	1959	1962	Q		Q		USGS	P
101238 E	BELLE FOURCHE R NR HEREFORD SD			046	093	SW		014	1959	1962	Q		Q		USGS	P
10130101	MISSOURI R AT BISMARCK ND	464800	1004912	038	015	SW			1946	1973	E	E			USCE	D
10130101	MISSOURI RIVER AT GARRISON DAM	473010	1012550	038	057	SW			1968		W				USCE	C
10130101	MISSOURI RIVER AT GARRISON DAM, ND	473008	1012550	038	057	SW	181400.00	014	1970		E				USGS	D
10130101	MISSOURI RIVER AT BISMARCK, ND	464851	1004912	038	015	SW	186400.00	014	1965		O	E		O	USGS	D
10130102	MISSOURI RIVER NR SCHMIDT, ND	463922	1004418	038	059	SW	191700.00		1965		E	E		E	USGS	D
10130102	GRAND R NEAR WAKPALA SD	453940	1003820	046	031	SW	5510.00	014	1946	1962	A	A	A		USGS	

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10130102	MOREAU R AT PROMISE SD	452042	1003609	046	041	SW	5223.00	004	1946	1958	O	O	O		USGS	
10130105	CHEYENNE RIVER NEAR EAGLE BUTTE	444140	1011305	046	137	SW			1968		E	E			USCE	D
10130105	CHEYENNE R NEAR EAGLE BUTTE SD	444144	1011308	046	055	SW	24500.00	014	1945		P	X	X		USGS	D
10130105	MISSOURI R AT OAHE DAM SD			046	065	SW			1977		M	M	M		USGS	P
10130201	KNIFE R AT HAZEN N D	471700	1013700	038	057	SW			1948	1969	M	M			USCE	P
10130201	KNIFE RIVER NR GOLDEN VALLEY, ND	470940	1020339	038	057	SW	1230.00		1946		2	E		2	USGS	D
10130201	SPRING CREEK AT ZAP, ND	471710	1015531	038	057	SW	549.00		1946		E			E	USGS	D
10130201	KNIFE RIVER AT HAZEN, ND	471706	1013726	038	057	SW	2240.00		1946		2	E		2	USGS	D
10130202	HEART RIVER NR RICHARDTON, ND	464446	1021827	038	089	SW	1240.00		1946		2	Y		2	USGS	D
10130203	HEART R NEAR MANDAN, NO DAKOTA	465002	1005827	038	059	SW			1968		E	E			USCE	P
10130203	HEART R BELOW HEART BUTTE DAM NR GLEN ULLIN	463550	1014805	038	037	SW	1710.00	014	1949	1972	3			2	USGS	D
10130203	HEART RIVER NR MANDAN, ND	465012	1005827	038	059	SW	3310.00	014	1970		E	A		E	USGS	D
10130204	CANNONBALL RIVER AT REGENT, ND	462536	1023305	038	041	SW	580.00		1950		2	E		2	USGS	D
10130204	CANNONBALL RIVER BELOW BENTLEY, ND	462130	1020230	038	037	SW	1140.00		1946		O	Y			USGS	P
10130205	CEDAR CREEK NR PRETTY ROCK, ND	460155	1014955	038	037	SW	1340.00		1946		2	Y		2	USGS	D
10130206	CANNONBALL RIVER NEAR BREIEN	462300	1005600	038	059	SW			1968		E	E			USCE	D
10130206	CANNONBALL RIVER AT BREIEN, ND	462233	1005603	038	085	SW	4100.00	004	1945		E	E		E	USGS	D
10130301	NF GRAND R NR HALEY N D	455906	1034443	038	011	SW			1971		E	E			USCE	
10130301	NORTH FORK GRAND RIVER AT HALEY, ND	455739	1030709	038	011	SW	509.00		1950		M	Y			USGS	P
10130301	NORTH FORK GRAND R NEAR WHITE BUTTE SD	454810	1022145	046	105	SW	1190.00	014	1975	1979	E	E			USGS	P
10130302	SOUTH FORK GRAND R NEAR CASH SD	453856	1023827	046	105	SW	1350.00	004	1975	1979	E				USGS	P
10130303	GRAND R NEAR LITTLE EAGLE	453942	1004835	046	031	SW			1968		E	E			USCE	C
10130303	GRAND R AT SHADEHILL SD	454525	1021141	046	105	SW	3120.00	014	1945		2	E		2	USGS	D
10130303	GRAND R AT LITTLE EAGLE SD	453028	1004904	046	031	SW	5370.00	014	1969		E	K		E	USGS	D
10130306	MOREAU RIVER NEAR WHITEHORSE SD	451521	1005033	046	041	SW			1968		E	E			USCE	D
10130306	MOREAU R NEAR FAITH SD	451152	1020922	046	105	SW	2660.00	004	1946	1979	2	E		2	USGS	D
10130306	MOREAU R NEAR WHITEHORSE SD	451521	1005033	046	041	SW	4880.00	004	1969		E	K		E	USGS	D
10140102	BAD RIVER NEAR FT PIERRE	441940	1002300	046	117	SW			1968		E	E			USCE	D
10140102	MISSOURI R AT PIERRE SD	442225	1002220	046	117	SW	243500.00	124	1950		E			E	USGS	D
10140102	BAD R NEAR FORT PIERRE SD	441936	1002302	046	117	SW	3107.00	004	1970		O	A		O	USGS	D
10140201	WHITE R AT SLIM BUTTE SD	430433	1024841	046	113	SW	1500.00	004	1963	1970	E	E		E	USGS	D
10140201	WHITE R NEAR OGLALA SD	431517	1024929	046	113	SW	2200.00	004	1945	1979	2	E		2	USGS	D
10140201	WHITE R NEAR ROCKYFORD SD	433052	1022930	046	113	SW	3000.00	004	1964	1967	M	N		M	USGS	D
10140202	WHITE R NEAR KADOKA SD	434509	1013128	046	071	SW	5000.00	004	1948	1979	2	X		2	USGS	D

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10140203	LITTLE WHITE R BELOW WHITE RIVER SD	433604	1004452	046	095	SW	1570.00	014	1950	1979	2	X	M	2	USGS	D
10140204	WHITE RIVER AT ST HWY 47	434445	0993320	046	085	SW			1968		E	E			USCE	D
10140204	WHITE R NEAR OACOMA SD	434454	0993322	046	085	SW	10200.00	014	1939		E	E		E	USGS	D
10140204	KEYA PAHA RIVER AT WEWELA, S. DAK.			046	123	SW			1975		Q				USGS	
10150001	PONCA CREEK AT ANOKA, NEBR.	425625	0985030	031	015	SW	505.00	004	1951	1967	2	M	M	2	USGS	D
10150003	NIOBRARA RIVER NR HAY SPRINGS, NEBR.	422900	1024140	031	161	SW	1790.00	004	1949	1975	5			5	USGS	D
10150003	NIOBRARA RIVER NEAR GORDON, NEBR.	423800	1021240	031	161	SW	4290.00	124	1946	1975	2	O	O	2	USGS	D
10150003	NIOBRARA RAT CODY NEBR	424950	1011720	031	031	SW		004	1947	1975	4	M	M	4	USGS	D
10150004	NIOBRARA RIVER NEAR SPARKS, NEBR.	425410	1002140	031	031	SW	8090.00	124	1946		2	M	M	2	USGS	D
10150004	NIOBRARA RIVER NR NORDEN NEBR	424713	1000206	031	103	SW	8390.00	124	1955		5	E		5	USGS	D
10150004	NIOBRARA R NR MEADVILLE NE	424505	0995045	031	103	SW		004	1950	1952	Q	Q	Q		USGS	P
10150004	LONG PINE CREEK NEAR RIVERVIEW, NEBR.	424120	0994120	031	017	SW	390.00	004	1947		2	E	E	2	USGS	D
10150005	SNAKE RIVER NEAR BURGE, NEBR.	423920	1005100	031	031	SW	660.00	124	1947	1979	E	E	E		USGS	P
10150006	KEYA PAHA R NEAR HIDDEN TIMBER SD	431230	1002120	046	121	SW	320.00	004	1948	1951	Q	Q			USGS	P
10150006	KEYA PAHA R AT WEWELA SD	430142	0994645	046	123	SW	1070.00	004	1948	1979	M	Q			USGS	P
10150007	PISHELVILLE BRIDGE NEAR VERDEL	424425	0981245	031	107	SW			1968		E	E			USCE	C
10150007	NIOBRARA RIVER NR. VERDEL, NEBR.	424425	0981245	031	107	SW	12600.00	124	1958		O	M	Z	O	USGS	D
10150007	VERDIGRE C NR VERDIGRE NE	423915	0980220	031	107	SW		004	1947	1950	M	M	M		USGS	P
10160003	JAMES RIVER AT LAMOURE, ND	462120	0981815	038	045	SW	4390.00		1952		R	A		R	USGS	D
10160003	JAMES R AT COLUMBIA SD	453705	0981930	046	013	SW	7050.00	014	1960		M				USGS	D
10160008	SOUTH FORK SNAKE CR NEAR ATHOL SD	450304	0984414	046	049	SW	1820.00	004	1957	1972	4	M		4	USGS	D
10160011	JAMES R NEAR SCOTLAND SD	431109	0973807	046	067	SW	21550.00	014	1952		N			N	USGS	D
10170101	POWERHOUSE OUTFLOW GAVINS PT DAM	425100	0972900	031	027	SW			1968		M				USCE	C
10170101	MISSOURI R AT YANKTON S D	425200	0972400	046	135	SW			1939	1969	M	M			USCE	D
10170101	MISSOURI R AT FORT RANDALL SD	430354	0983311	046	023	SW	263500.00	014	1973		Q			Q	USGS	D
10170101	MISSOURI R AT YANKTON SD	425158	0972337	046	135	SW	279500.00	124	1955	1979	P	X	X		USGS	D
10170101	MISSOURI RIVER NEAR PONCA, NEBRASKA	423430	0964100	031	051	SW			1979		A	A			USGS	D
10170102	VERMILLION R NR CHANCELLOR S DAK	432110	0970315	046	125	SW	860.00	004	1960	1967	E			E	USGS	D
10170102	VERMILLION R NEAR WAKONDA SD	425927	0965749	046	027	SW	1680.00	014	1960	1979	E	E		E	USGS	D
10170102	VERMILLION R AT VERMILLION, S.D.	424704	0965750	046	027	SW			1966	1967	R	A		R	USGS	D
10170202	BIG SIOUX R NEAR WATERTOWN SD	450022	0970953	046	029	SW	241.00	004	1973	1979	E			E	USGS	D
10170202	BIG SIOUX R AT WATERTOWN SD	445633	0970845	046	029	SW	1800.00	004	1960	1972	E	E		E	USGS	D
10170202	WILLOW CR NEAR WATERTOWN SD	445417	0970331	046	029	SW	125.00	004	1966	1979	E			E	USGS	D
10170202	STRAY HORSE CR NEAR CASTLEWOOD SD	444352	0965723	046	057	SW	73.70	004	1970	1979	E			E	USGS	D

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10170202	HIDEWOOD CR NEAR ESTELLINE SD	443642	0965417	046	057	SW	164.00	004	1970	1979	E			E	USGS	D
10170202	SIXMILE CR NR BROOKINGS SD	442046	0964451	046	011	SW	54.00	004	1970	1979	E			E	USGS	D
10170202	BIG SIOUX RIVER 114N51W30DD	443927	0965843	046	057	SW			1966	1966	A			A	USGS	D
10170203	BIG SIOUX RIVER NEAR BROOKINGS SD	441048	0964455	046	101	SW	4420.00	004	1960	1979	E	E		E	USGS	D
10170203	BIG SIOUX R NEAR DELL RAPIDS SD	434725	0964442	046	099	SW	5060.00	004	1960		E	E		E	USGS	D
10170203	SKUNK CR AT SIOUX FALLS SD	433201	0964726	046	099	SW	570.00	004	1960	1979	E			E	USGS	D
10170203	BIG SIOUX R NEAR BRANDON SD	433625	0963755	046	099	SW	5810.00	004	1966	1972	E	E		E	USGS	D
10170203	SPLITROCK CR AT CORSON SD	433659	0963354	046	099	SW	475.00	004	1970	1979	E			E	USGS	D
10170203	BIG SIOUX R AT AKRON IA	424942	0963345	019	149	SW	9030.00	004	1960		R	E		R	USGS	D
10170204	ROCK R NR ROCK VALLEY IOWA	431158	0962022	019	167	SW	1600.00	004	1966	1973	E	E		E	USGS	D
10180001	MICHIGAN RIVER .5 MI S GOULD	403100	1060200	008	057	SW			1974	1975	R				USFS	D
10180001	ILLINOIS R.AT RD #775	402400	1060400	008	057	SW			1974	1975	R				USFS	D
10180001	LONE PINE CR.NR FRST BDRY.	404400	1063400	008	057	SW			1969	1975	A				USFS	D
10180001	GRIZZLY CREEK NEAR SPICER, CO.	402936	1062657	008	057	SW	118.00		1976		K	R		A	USGS	D
10180001	BUFFALO CREEK NEAR HEBRON, CO.	403123	1062207	008	057	SW	56.30		1976		N	A		A	USGS	D
10180001	GRIZZLY CREEK NEAR HEBRON, CO.	403327	1062322	008	057	SW	223.00		1976		K	R		A	USGS	D
10180001	LITTLE GRIZZLY CREEK ABOVE COALMONT, CO.	403424	1063034	008	057	SW	35.40		1976		K	A		A	USGS	D
10180001	LITTLE GRIZZLY CREEK ABOVE HEBRON, CO.	403457	1062658	008	057	SW	52.20		1976		K	R		A	USGS	D
10180001	CANADIAN RIVER NEAR LINDLAND, CO.	404143	1060356	008	057	SW	44.00		1977		R			R	USGS	D
10180001	CANADIAN RIVER NEAR BROWNLEE, CO.	402829	1061409	008	057	SW	158.00		1978		R			R	USGS	D
10180001	NORTH PLATTE RIVER NEAR NORTHGATE, CO.	405610	1062021	008	057	SW	1431.00		1964		E			E	USGS	D
10180001	LITTLE GRIZZLEY CR. AB CHEDSEY CR. NR. COALM	403425	1063115	008	057	SW			1976	1976	R			R	USGS	D
10180001	ILLINOIS R NR LARAND	403657	1061650	008	057	SW			1976	1976	R			R	USGS	D
10180001	PINKHAM CR NR NORTHGATE	405447	1061726	008	057	SW			1976	1976	R			R	USGS	D
10180002	ABOVE UPPER DOUGLAS TIMBER SALE	411540	1061710	056	001	SW			1975	1975	A				USFS	D
10180002	BLOWE UPPER DOUGLAS TIMBER SALE	411310	1061410	056	001	SW			1975	1975	A				USFS	D
10180002	BELOW UPPER DOUGLAS TIMBER SALE	411400	1061550	056	001	SW			1975	1975	A				USFS	D
10180002	NORTH PLATTE BL DOUGLAS CREEK	410740	1062610	056	007	SW			1975	1975	A				USFS	D
10180002	N PLATTE AT A BAR A RANCH BOUND	410840	1062710	056	007	SW			1975		A				USFS	D
10180002	LOWER DOUGLAS CREEK	410750	1062530	056	007	SW			1976	1976	S				USFS	D
10180002	AB WEST MULLEN TIMBER SALE	411500	1061930	056	007	SW			1975	1975	A				USFS	D
10180002	BELOW WEST MULLEN TIMBER SALE	411430	1062030	056	007	SW			1975	1975	N				USFS	D
10180002	FRENCH CREEK	411330	1062840	056	007	SW			1976	1976	A				USFS	D
10180002	BELOW N BARRETT TIMBER SALE	411940	1062900	056	007	SW			1975	1975	A				USFS	D

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10180002	ABOVE N BARRETT TIMBER SALE	411940	1062640	056	007	SW			1975	1975	A				USFS	D
10180002	LOWER BARRETT	412010	1063110	056	007	SW			1976	1976	N				USFS	D
10180002	UPPER BARRETT	411810	1063000	056	007	SW			1976	1976	N				USFS	D
10180002	SOUTH BRUSH CR.	412040	1063110	056	007	SW			1976	1976	A				USFS	D
10180002	NORTH BRUSH CREEK	412140	1063240	056	007	SW			1976	1976	A				USFS	D
10180002	HOG PARK RESERVOIR	410200	1065250	056	007	SW			1975	1975	A				USFS	D
10180002	N FORK ENCAM BL BOTTLE CR	410940	1065240	056	007	SW			1975		S				USFS	D
10180002	ENCAMPMENT RIVER WATER VALLEY	410740	1064710	056	007	SW			1976		A				USFS	D
10180002	PASS CREEK	412910	1062710	056	007	SW			1976	1976	A				USFS	D
10180002	EAST FORK WIER	410100	1064910	056	007	SW			1969		R				USFS	D
10180002	UPPER EAST FORK STREAM GAUGE	410120	1064540	056	007	SW			1969	1975	K				USFS	D
10180002	COON CREEK STREAM GAUGE	410120	1064530	056	007	SW			1969	1975	N				USFS	D
10180002	RYAN CR AT CONF WITH EAST FORK	410030	1064750	056	007	SW			1975	1975	A				USFS	D
10180002	EAST FORK ENCAMP BELOW RYAN CR	410030	1064750	056	007	SW			1975	1975	A				USFS	D
10180002	MAIN ENCAMP BELOW EAST FORK	410110	1064910	056	007	SW			1973	1973	R				USFS	D
10180002	NELLIE CR ABOVE COW CR	411000	1065700	056	007	SW			1975		A				USFS	D
10180002	LOWER HIDDEN TREASURE GULCH	411000	1065700	056	007	SW			1975		A				USFS	D
10180002	NELLIE CR BELOW BATTLE TOWN SITE	410900	1065840	056	007	SW			1975		A				USFS	D
10180002	HIDDEN TREASURE GULCH AB HW 70	410900	1065810	056	007	SW			1975		A				USFS	D
10180002	JACK CR BL JACK CR PARK	411820	1070650	056	007	SW			1975		R				USFS	D
10180002	JACK CR AB JACK CR GUARD STATION	411550	1070630	056	007	SW			1975		K				USFS	D
10180002	DAMFINO CREEK STREAM GAUGE	405950	1064450	008	057	SW			1973		A				USFS	D
10180002	DAMFINO CREEK AT HEADWATERS	405940	1064100	008	057	SW			1975	1975	A				USFS	D
10180002	TRIBUTARY TO DAMFINO CR %UPPER<	405930	1064320	008	057	SW			1975	1975	A				USFS	D
10180002	TRIBUTARY TO DAMFINO %LOWER STA<	405950	1064340	008	057	SW			1975	1975	A				USFS	D
10180002	RYAN CREEK AT HEADWATERS	405930	1064600	008	057	SW			1975	1975	A				USFS	D
10180002	AT HOG PARK GUARD STATION	410000	1064850	008	057	SW			1973		A				USFS	D
10180002	WEST FORK ENCAMP AT JEEP TRAIL	405920	1064830	008	057	SW			1969	1975	A				USFS	D
10180002	COON CREEK STREAM GAGE	410128	1064535	056	007	SW			1977		M				USFS	
10180002	UPPER EF ENCAMPMENT RIVER	410130	1064540	056	007	SW			1977		M				USFS	
10180002	HOG PARK GUARD STATION			056	007	SW			1977		M				USFS	
10180002	ENCAMPMENT RIV AB HOG PARK CR NR ENCAMPMENT	410125	1064927	056	007	SW	72.70	004	1964		H	N		H	USGS	D
10180002	SAGE CREEK NEAR SARATOGA, WYD	413453	1065917	056	007	SW	263.00	014	1972		N	A		N	USGS	D
10180002	N PLATTE R AB SEMINOE RES NR SINCLAIR WYO	415220	1070325	056	007	SW	4175.00	124	1959		E			E	USGS	D

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10180002	S.F. BIG CR NR PEARL	405750	1063406	008	057	SW			1976	1976	R			R	USGS	D
10180002	LOWER EF ENCAMPMENT RIVER	410110	1064840	056	007	SW			1977		M				USGS	
10180003	BIG DITCH NR COYOTE SPRINGS WY	415607	1064801	056	007	SW	110.00	004	1976		A	A		A	USGS	D
10180003	NORTH DITCH NR COYOTE SPRINGS WY	415644	1064806	056	007	SW	22.60	024	1976		O	M	Q	9	USGS	P
10180004	MEDICINE BOW RIVER	413127	1062319	056	007	SW			1976	1976	A				USFS	D
10180004	ROCK CREEK	413445	1061349	056	007	SW			1976	1976	A				USFS	D
10180004	HANNA DRAW NR HANNA WY	420022	1063030	056	007	SW	21.60	004	1975		A	A		A	USGS	D
10180004	MEDICINE BOW RIVER ABOVE SEMINOE RESERVOIR N	420035	1063045	056	007	SW	2338.00	014	1965		M	A		M	USGS	D
10180005	L MEDICINE BOW R NR MEDICINE BOW WYO	415712	1060938	056	007	SW	963.00	004	1965		Q	A		Q	USGS	D
10180006	SWEETWATER RIVER NEAR SOUTH PASS CITY, WYOMI	422230	1085256	056	013	SW	177.00	124	1975		M	Q	A	6	USGS	D
10180006	ROCK CREEK ABOVE ROCK CREEK RESERVOIR, WYO.	423259	1084626	056	013	SW	9.20		1975	1979	A			A	USGS	D
10180006	SLATE CREEK NEAR ATLANTIC CITY, WYO.	423057	1084452	056	013	SW	5.92		1956	1975	2			2	USGS	D
10180006	ROCK CREEK AT ATLANTIC CITY, WYO.	423047	1084446	056	013	SW	21.30	014	1956		O	E		O	USGS	D
10180006	W F CROOKS CREEK NEAR JEFFREY CITY, WY	422056	1075145	056	013	SW	11.60		1976		N			N	USGS	D
10180006	SWEETWATER RIVER NEAR ALCOVA, WYO.	422728	1071145	056	025	SW	2327.00		1964		K			K	USGS	D
10180006	SOUTH FORK SULFUR C SITE M	421848	1081857	056	041	SW			1976	1976	A	A		A	USGS	D
10180006	WEST ALKALI C NR SWEETWATER STAT	421940	1081450	056	013	SW			1976	1976	A	A		A	USGS	D
10180007	SAND CREEK AT THE N PLATTE RIVER	425100	1054400	056	009	SW			1980		B				USBLM	
10180007	CASPER CREEK NR ILLCO	430100	1063000	056	025	SW			1980		B				USBLM	
10180007	POISON SPIDER CREEK AT N PLATTE R	424900	1063230	056	025	SW			1980		B				USBLM	
10180007	BATES CREEK AT THE N PLATTE R	424100	1063600	056	025	SW			1980		B				USBLM	
10180007	NORTH PLATTE R AT ALCOVA WYO	423427	1064131	056	025	SW	10812.00	124	1964		R			R	USGS	D
10180007	BATES C NR ALCOVA WYO	424034	1063609	056	025	SW	393.00	014	1956		2			2	USGS	D
10180007	N PLATT R NR GOOSE EGG WYO	424315	1063210	056	025	SW	11449.00	124	1949	1975	2	Q		2	USGS	D
10180007	NORTH PLATTE R AT CASPER WYO	425126	1061909	056	025	SW		014	1970		E	E		E	USGS	D
10180007	NORTH PLATTE RIVER BL CASPER WYO	425140	1061253	056	025	SW	12574.00	124	1947		2	E		2	USGS	D
10180007	N PLATTE R NR GLENROCK WYO	425010	1054530	056	009	SW	13538.00	124	1959		R			A	USGS	D
10180007	SAND C NR CLAYTON WY			056	009	SW			1979		M	Q	Q		USGS	
10180007	FRANK DRAW TRIB NO 1 NR ORPHA WY	430245	1054209	056	009	SW			1976		A	A		A	USGS	D
10180007	BATES CREEK	423200	1062000	056	025	SW			1975	1976	B	B			USSCS	
10180007	BATES CREEK @ 220 BRIDGE	424000	1063600	056	025	SW			1975	1976	B	B			USSCS	
10180007	BATES CREEK @ 220 BRIDGE	423700	1062500	056	025	SW			1975	1976	B	B			USSCS	
10180007	STINKING CREEK @ STOCK TRAIL	423231	1062732	056	025	SW			1975	1976	B	B			USSCS	
10180007	BIG RED	423800	1062600	056	025	SW			1975	1976	B	B			USSCS	

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10180007	CORRAL CREEK	423800	1062500	056	025	SW			1975	1976	B	B			USSCS	
10180007	LITTLE RED CREEK	423900	1082800	056	025	SW			1975	1976	B	B			USSCS	
10180008	NORTH PLATTE RIVER NR DOUGLAS WYO	424100	1052326	056	009	SW	14379.00	124	1947	1975	2	Q		2	USGS	D
10180008	NORTH PLATTE R. AT ORIN, WYO.	423902	1050946	056	009	SW	14888.00		1966		E	E		E	USGS	D
10180008	NORTH PLATTE RIVER NR CASSA WYO	422353	1045553	056	031	SW	15837.00	124	1947	1975	2	Q		2	USGS	D
10180008	NORTH PLATTE R BL GUERNSEY RE, WYO	421650	1044515	056	031	SW	16237.00	124	1947		2	Q	Q	2	USGS	D
10180009	NORTH PLATTE RIVER NEAR LINGLE, WYO.	420613	1042102	056	015	SW	25095.00	124	1969	1975	M	A	Q		USGS	D
10180009	NORTH PLATTE RIVER NEAR LINGLE, WYO.	420613	1042102	056	015	SW			1969	1975	R	E		R	USGS	D
10180009	N PLATTE R AT WYO-NEBR STATE LINE	415925	1040257	031	157	SW	22218.00	124	1964		M	A			USGS	D
10180009	N PLATTE R AT WYO-NEBR STATE LINE	415927	1040248	031	015	SW			1974		M	A		M	USGS	D
10180009	BROWN CANYON DR NR MITCHELL NEBR	415230	1035033	031	157	SW		024	1961	1965	A	A	A		USGS	D
10180009	DUTCH FLATS DR NR MITCHELL NEBR	420000	1035000	031	157	SW		024	1961	1965	E	E	E		USGS	D
10180009	WINTER CREEK AT TRISTATE CA NR SCOTTSBLUFF,N	415400	1033500	031	157	SW		024	1961	1965	A	A	A		USGS	D
10180009	HALE DRAIN NR SCOTTSBLUFF NEBR	415413	1033726	031	157	SW		024	1961	1965	Q	Q	Q		USGS	D
10180009	GERING DR AT MITCHELL-GERING CAN NR GERING N	414654	1034057	031	157	SW		024	1961	1965	A	A	A		USGS	D
10180009	ALLIANCE DR NR MINATARE NEBR	415200	1033000	031	157	SW		024	1961	1965	A	A	A		USGS	D
10180009	NINEMILE DRAIN NR MINATARE NEBR	415300	1032600	031	157	SW		024	1961	1965	A	A	A		USGS	D
10180009	WEST WILDHORSE DR NR BAYARD NEBR	415018	1032008	031	123	SW		024	1961	1962	M	M	M		USGS	D
10180009	WILDHORSE DR NR BAYARD, NEBR.	415003	1031856	031	123	SW		024	1961	1962	Q	Q	Q		USGS	P
10180009	NORTH PLATTE RIVER AT LISCO, NEBR.	413000	1023800	031	069	SW	26700.00	124	1969		M	M		E	USGS	D
10180010	FOX CREEK	410820	1060130	056	001	SW			1976	1976	A				USFS	D
10180010	BOSWELL CREEK	410100	1060230	056	001	SW			1976	1976	A				USFS	D
10180010	LIBBY CR ABOVE HW 130	412120	1061700	056	001	SW			1975		K				USFS	D
10180010	TELEPHONE CR ABOVE HW 130	412110	1061420	056	001	SW			1975		N				USFS	D
10180010	NASH FORK ABOVE HW 130	412135	1061400	056	001	SW			1975		K				USFS	D
10180010	N FORK LITTLE LARAMIE R AB HW130	412010	1060950	056	001	SW			1975		R				USFS	D
10180010	LIBBY CR AT FOREST BOUNDRY	411910	1060910	056	001	SW			1975		R				USFS	D
10180010	NASH FORK AB MED BOW SKI AREA	412030	1061100	056	001	SW			1975		R				USFS	D
10180010	NASH FORK BL MED BOW SKI AREA	412030	1061050	056	001	SW			1975		R				USFS	D
10180010	SOUTH FORK LITTLE LARAMIE RIVER	411130	1060810	056	001	SW			1976	1976	A				USFS	D
10180010	LARAMIE RIVER AT LARAMIE, WYO.	411936	1053627	056	001	SW	1071.00	124	1968	1970	Q	Q			USGS	P
10180010	LARAMIE RIVER AT HOWELL, WY	412450	1053656	056	001	SW		014	1974		E			E	USGS	D
10180011	WHEATLAND CA NO 1 NR WHEATLAND WYO	415308	1051114	056	031	SW		004	1958	1959	Q	A			USGS	P
10180011	WHEATLAND CA 2 NR WHEATLAND WYO	420228	1050400	056	031	SW		004	1958	1959	Q	Q			USGS	P

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10180011	LARAMIE R NR UVA WYO	420816	1044633	056	031	SW	4440.00	124	1951	1975	2	Q		2	USGS	D
10180011	LARAMIE RIVER NR FT LARAMIE WYO	421202	1043216	056	015	SW	4564.00		1964		M	A		M	USGS	D
10180012	HORSE CREEK AT WY CROSS RANCH NEAR LA GRANGE	414035	1041211	056	015	SW	680.00	124	1965	1972	H	E		H	USGS	D
10180012	KIOWA C NR LYMAN NEBR	415500	1040000	031	157	SW		004	1961	1965	A	A	A		USGS	D
10190001	TARRYALL CREEK NEAR JEFFERSON, CO.	391742	1054305	008	093	SW	183.00	024	1977		N	A		R	USGS	D
10190002	NF SOUTH PLATTE RIVER AT SOUTH PLATTE, CO.	392432	1051031	008	059	SW	479.00	024	1964	1973	E	E		E	USGS	D
10190002	SOUTH PLATTE RIVER AT SOUTH PLATTE, CO.	392433	1051010	008	059	SW	2579.00	124	1963	1972	E	E		E	USGS	D
10190002	SOUTH PLATTE RIVER AT LITTLETON, CO.	393708	1050107	008	005	SW	3069.00	124	1969		N			N	USGS	D
10190003	THIRTY-SIXTH STREET STORM SEWER AT DENVER, C	394623	1045845	008	031	SW			1975		R			R	USGS	D
10190003	WOMAN CREEK AT ROCKY FLATS PLANT, CO.	395308	1051105	008	059	SW	2.10		1972	1973	O				USGS	D
10190003	SOUTH PLATTE RIVER NEAR KERSEY, CO.	402444	1043346	008	123	SW	9598.00	124	1947		E	E		E	USGS	D
10190003	SOUTH PLATTE RIVER NEAR WELDONA, CO.	401919	1035517	008	087	SW	13245.00	124	1952		W	Q	A	O	USGS	D
10190005	ST. VRAIN CREEK AT LYONS, CO.	401305	1051534	008	013	SW	212.00	124	1965		E	E		E	USGS	D
10190005	LEFT HAND CREEK NEAR BOULDER, CO.	400732	1051812	008	013	SW	52.00	024	1979		K			N	USGS	D
10190005	LEFT HAND CREEK AT MOUTH, AT LONGMONT, CO.	400850	1050605	008	013	SW	72.00	024	1978		N			A	USGS	D
10190005	ST. VRAIN CREEK BELOW LONGMONT, CO.	400929	1050053	008	123	SW	424.00		1978		R			K	USGS	D
10190006	BIG THOMPSON RIVER AT ESTES PARK, CO.	402242	1053048	008	069	SW	137.00	124	1973	1975	D				USGS	P
10190007	CACHE LA POUDRE R A MO OF CN, NR FT COLLINS,	403952	1051326	008	069	SW	1055.00	124	1962		E	E		E	USGS	D
10190009	1 MILE ABOVE WALLIS PG	411300	1052500	056	001	SW			1975		N				USFS	D
10190009	BELOW BLAIR PG	411110	1052320	056	001	SW			1975		N				USFS	D
10190009	RES OUTLET AT VEDAUWOO CG	411120	1052210	056	001	SW			1975		K				USFS	D
10190009	AT FOREST RD NO 700	411130	1051920	056	001	SW			1975		K				USFS	D
10190010	KIOWA CREEK AT ELBERT, CO.	391235	1043200	008	039	SW	28.60	004	1957	1965	2			2	USGS	D
10190010	WEST KIOWA CREEK AT ELBERT, CO.	391238	1043216	008	039	SW	35.90	004	1961	1965	4			2	USGS	D
10190010	KIOWA CREEK AT KIOWA, CO.	392014	1042830	008	039	SW	111.00	024	1955	1965	3			2	USGS	D
10190015	LODGEPOLE CR AT POLE CR CAMPGR	411500	1052420	056	001	SW			1975		K				USFS	D
10190015	LODGEPOLE CR AT UPPER TIE CITY	411510	1052600	056	001	SW			1975	1975	N				USFS	D
10190018	SOUTH PLATTE RIVER AT JULESBURG, CO.	405846	1021515	008	115	SW	23138.00	024	1945		E	E		E	USGS	D
10200101	MISSOURI R AT NEBR CITY NE	404055	0990000	031	131	SW			1957	1973	E				USCE	D
10200101	PLATTE R. AT GOTHENBURG, NEBR. (NORTH CHAN.)	405431	1000923	031	047	SW			1971	1971	A	A		A	USGS	D
10200101	PLATTE R. AT GOTHENBURG, NEBR. (MIDDLE CHAN.	405425	1000930	031	047	SW			1971	1971	A	A		A	USGS	D
10200101	PLATTE R. AT GOTHENBURG, NEBR. (SOUTH CHAN.)	405420	1000933	031	047	SW			1971	1971	A	A		A	USGS	D
10200101	PLATTE R NR OVERTON N CHAN	404057	0993224	031	047	SW			1957		E	E		E	USGS	D
10200101	PLATTE R NR OVERTON S CHAN	404048	0993223	031	047	SW			1957		E	E		E	USGS	D

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10200101	PLATTE RIVER NEAR OVERTON, NEBR. (TOTFLO)	404057	0993224	031	047	SW	57700.00	124	1950		5	E		5	USGS	D
10200102	WOOD RIVER NEAR RIVERDALE, NEBR.	404756	0991148	031	019	SW	379.00		1946	1975	4	E		4	USGS	D
10200103	PLATTE RIVER NEAR DUNCAN, NEBR.	412204	0972940	031	141	SW	60900.00	124	1964		E	E		E	USGS	D
10200201	SHELL C NR PLATTE CENTER NEBR	413139	0972941	031	141	SW			1951	1967	M	M			USCE	P
10200201	PLATTE RIVER NR. SCHUYLER, NEBR.	412450	0970335	031	037	SW		004	1966	1968	A	A		A	USGS	D
10200201	SHELL CREEK NEAR COLUMBUS, NEBR.	413133	0971655	031	141	SW	270.00		1948	1975	E	E	E		USGS	D
10200201	PLATTE RIVER AT NORTH BEND, NEBR.	412710	0964550	031	053	SW	77100.00	124	1971		Z	Z		E	USGS	D
10200202	PLATTE R NR LOUISVILLE NE	410050	0960929	031	025	SW			1952	1973	E	E			USCE	P
10200202	PLATTE RIVER NEAR SOUTH BEND, NEBR.	410130	0961750	031	025	SW			1960	1972	K	R		K	USGS	D
10200202	MILL CREEK AT LOUISVILLE NEBR	410013	0960935	031	025	SW		004	1973		A	A		A	USGS	D
10200202	PLATTE R AT LOUISVILLE NE	410055	0960928	031	153	SW	85800.00		1970		O	M	M	O	USGS	D
10200202	CEDAR CREEK NEAR LOUISVILLE NEBR	410005	0960715	031	025	SW		004	1973		A	A		A	USGS	D
10200202	FOURMILE CREEK NEAR PLATTSMOUTH, NEBR.	410102	0955746	031	025	SW		004	1975		A	A		A	USGS	D
10200203	SALT C AT GREENWOOD NE	405803	0962703	031	025	SW			1953	1973	E	E			USCE	
10200203	OAK C NR RAYMOND NEBR	405802	0965030	031	109	SW			1964	1967	E	E			USCE	
10200203	SALT CREEK AT LINCOLN, NEBR.	405049	0964054	031	109	SW	684.00	014	1951		2	E	E	2	USGS	D
10200203	ROCK CREEK NEAR CERESCO, NEBR.	410056	0963239	031	109	SW	119.00	004	1970		A	A		A	USGS	D
10200203	SALT CREEK AT GREENWOOD, NEBR.	405756	0962701	031	025	SW	1051.00	014	1970		E	M		E	USGS	D
10210001	MIDDLE LOUP RIVER AT DUNNING, NEBR.	414950	1000600	031	009	SW	1850.00	004	1947		4	A		4	USGS	D
10210002	DISMAL RIVER NR THEDFORD NEBR	414645	1003130	031	171	SW	960.00	004	1966		E	E		E	USGS	D
10210002	DISMAL RIVER AT DUNNING, NEBR.	414923	1000605	031	009	SW	2040.00	014	1948	1975	4	E	E	4	USGS	D
10210003	OAK CREEK NEAR LOUP CITY, NEBR.	411736	0985204	031	163	SW	41.90	004	1958	1972	3			3	USGS	D
10210003	MIDDLE LOUP R. AT ST. PAUL, NEBR.	411155	0982650	031	093	SW	8090.00	124	1943		4	E	E	4	USGS	D
10210003	UNKNOWN STATION	411155	0982650	031	093	SW			1945	1975				2	USGS	D
10210004	SOUTH LOUP R AT ST. MICHAEL, NEBR.	410153	0984425	031	019	SW	2350.00	004	1946		4	E	E	4	USGS	D
10210007	NORTH LOUP RIVER AT ORD, NEBR.	413627	0985517	031	175	SW	3750.00	024	1949	1955	E	E	E		USGS	P
10210007	NORTH LOUP RIVER NR ST PAUL NEBR	411535	0982650	031	093	SW	4290.00	024	1946		4	E	E	4	USGS	D
10210009	LOUP R POWER CA AT DIV NR GENOA, NEBR.	412331	0974920	031	125	SW			1971		M	M		E	USGS	D
10210009	LOUP RIVER NEAR GENOA, NEBR.	412505	0974325	031	125	SW	14400.00	024	1975		Z	Z	Z	R	USGS	D
10210009	BEAVER CR AT LORETTO NEBR	414550	0980450	031	011	SW	311.00	004	1946	1950	O	O			USGS	P
10210010	CEDAR RIVER NEAR SPALDING, NEBR.	414241	0982648	031	077	SW	762.00	014	1946	1975	5	E	E	5	USGS	D
10210010	CEDAR R AT BELGRADE NEBR	412826	0980453	031	125	SW	1060.00	004	1956	1975	5	M	M	5	USGS	D
10210010	CEDAR RIVER NEAR FULLERTON, NEBR.	412345	0980015	031	125	SW	1220.00	014	1957		4			4	USGS	D
10220001	ELKHORN RIVER NR. INMAN, NEBR.	422342	0983030	031	089	SW		004	1965	1968	N	K		N	USGS	D

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10220001	ELKHORN RIVER AT EWING, NEBR.	421603	0982011	031	089	SW	1400.00	004	1948		E	E	E		USGS	D
10220001	SOUTH FORK ELKHORN RIVER AT EWING, NEBR.	421504	0982018	031	089	SW	320.00	004	1960	1979	E	E		E	USGS	D
10220001	CLEARWATER C NR CLEARWATER NEBR	420820	0981210	031	003	SW	210.00	004	1962	1968	M	M	M		USGS	D
10220001	ELKHORN RIVER AT NELIGH, NEBR.	420720	0980140	031	003	SW	2200.00	004	1948		E	E		E	USGS	D
10220001	ELKHORN R AT MEADOW GROVE NEBR	420245	0974400	031	119	SW	2500.00	004	1963	1968	E	E		E	USGS	D
10220001	ELKHORN RIVER NEAR NORFOLK, NEBR.	420020	0972840	031	119	SW	2790.00	004	1960		A	E		A	USGS	D
10220002	NORTH FORK ELKHORN RIVER NEAR PIERCE, NEBR.	421044	0972904	031	139	SW	700.00	004	1960	1978	E	E	E		USGS	P
10220002	NF ELKHORN R. AT NORFOLK, NEBR.	420159	0972415	031	119	SW		004	1965	1968	R	K		R	USGS	D
10220003	ELKHORN R AT WATERLOO NE	411725	0961705	031	055	SW	6900.00	004	1948		M	M	Z	E	USGS	D
10220004	LOGAN CREEK AT PENDER NE	420640	0964200	031	173	SW	731.00	004	1964		E	E		E	USGS	D
10230002	FLOYD RIVER AT JAMES, IOWA	423436	0961843	019	149	SW	882.00	004	1967	1975	2	E		2	USGS	D
10230003	L SIOUX R NR TURIN IOWA	415755	0955820	019	133	SW			1939	1969	M	M			USCE	P
10230003	LITTLE SIOUX RIVER NEAR GILLETT GROVE, IOWA	430106	0950234	019	041	SW	1334.00	004	1968	1973	E			E	USGS	D
10230003	LITTLE SIOUX RIVER AT CORRECTIONVILLE, IOWA	422820	0954749	019	193	SW	2500.00	004	1950	1973	2	E	E	2	USGS	D
10230003	LITTLE SIOUX RIVER AT KENNEBEC, IOWA	420456	0960050	019	133	SW	2730.00	004	1950	1969				2	USGS	D
10230004	WF DITCH NR HOLLY SPRINGS IOWA	421534	0960441	019	193	SW			1957	1967	M	M			USCE	P
10230004	WOLF C NR HOLLY SPRINGS IOWA	421557	0960245	019	193	SW			1957	1967	M	M			USCE	
10230004	MONONA HARRISON D NR TURIN IOWA	415755	0955930	019	133	SW			1939	1969	M	M			USCE	P
10230005	GINGLES WATCRSHEDS	420400	0955100	019	133	SW			1963		Y				IA007	
10230006	WB PAPILLION NR PAPILLION NEBR	411003	0960506	031	153	SW			1965		W	W			USCE	
10230006	L PAPILLION C AT IRVINGTON NEBR	411840	0960243	031	055	SW			1965		W	W			USCE	
10230006	BIG PAPILLION C AT FORT ST OMAHA	411822	0960615	031	055	SW			1965		W	W			USCE	
10230006	INDIAN C N BROWY COUNCIL BLUFFS IA	411713	0955009	019	155	SW			1956	1967	M	M			USCE	
10230006	MISSOURI R AT OMAHA NE	411530	0955520	031	055	SW			1939	1973	E	E			USCE	D
10230006	L PAPILLION C A PEONY PARK OMAHA NE	411600	0960212	031	055	SW			1956	1969	M	M			USCE	
10230006	STEER CREEK NEAR MAGNOLIA, IA.	414510	0955615	019	085	SW	9.26	004	1962	1969	2	A		2	USGS	D
10230006	WILLOW CREEK NEAR LOGAN, IOWA	413754	0955327	019	085	SW	129.00		1970	1975	2	A		2	USGS	D
10230006	MISSOURI RIVER AT OMAHA, NEBRASKA	411532	0955520	031	055	SW	322800.00	014	1969		E	M		E	USGS	D
10230006		411532	0955520	019		SW			1978		M	M			USGS	D
10230007	BOYER RIVER AT DELOIT IA	420540	0951842	019	047	SW			1968		W	W	W		USCE	P
10230007	E F BOYER RIVER NR DENISON IA	420033	0952003	019	047	SW			1968		W	W	W		USCE	P
10230007	BOYER RIVER AT LOGAN, IOWA	413833	0954657	019	085	SW	871.00	004	1945	1973	H	E		H	USGS	D
10230007	THOMPSON CREEK AT WOODBINE, IA.	414420	0954820	019	085	SW	6.97	004	1962	1969	2	A		2	USGS	D
10240001	WEEPING WATER CR AT WEEPING WATER, NEBR.	405118	0960710	031	025	SW	80.10	004	1973		E	E		E	USGS	D

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10240001	S BR WEEPING WATER CREEK NEAR UNION NEBR	404845	0955643	031	025	SW		004	1973		A	A		A	USGS	D
10240001	WEEPING WATER CREEK AT UNION, NEBR.	404735	0955440	031	025	SW	241.00	004	1973	1978	A	A		A	USGS	D
10240001	WEEPING WATER C NR UNION, NEBR.	404746	0955417	031	025	SW		004	1971		E	E		E	USGS	D
10240001	MISSOURI RIVER AT NEBRASKA CITY, NEBR.	404055	0955048	031	131	SW	410000.00	014	1950		E	Q	Q	E	USGS	D
10240001	MISSOURI RIVER AT NEBRASKA CITY,	404055	0955048	031	131	SW			1976		M	H		M	USGS	D
10240001	WEST NISHNABOTNA RIVER AT RANDOLPH, IOWA	405223	0953448	019	071	SW	1326.00	004	1965	1973	K			K	USGS	D
10240002	MULE C NR MALVERN IA	405636	0953542	019	129	SW	10.60	004	1955	1969	2	R		2	USGS	D
10240003	DAVIDS CREEK NEAR HAMLIN, IOWA	414025	0944820	019	009	SW	26.00	004	1952	1973	2	E		2	USGS	D
10240003	EAST NISHNABOTNA RIVER NEAR RED OAK, IOWA	410041	0951407	019	137	SW	894.00		1945	1973	2	K		2	USGS	D
10240004	NISHNABOTNA RIVER ABOVE HAMBURG, IOWA	403757	0953732	019	071	SW	2806.00	004	1945		A	A		A	USGS	D
10240004		403757	0953732	019		SW			1978		M	M			USGS	D
10240005	TARKIO RIVER AT STANTON, IOWA	405852	0950632	019	137	SW	49.30	004	1966	1973	E			E	USGS	D
10240005	WOLF R 3 MILES SW OF HIAWATHA, KS	394857	0953350	020	013	SW	11.90	004	1962	1979	R	R		R	USGS	D
10240005	WOLF R AT HIAWATHA, KS	394734	0953136	020	013	SW	29.00		1978		K	R		K	USGS	D
10240005	BUTTERMILK C NR WILLIS, KS	394516	0952702	020	013	SW	3.74	004	1978	1979	K	A		K	USGS	D
10240005	WOLF R AT LEONA, KS	394653	0951916	020	043	SW	160.00	004	1976		S	S		S	USGS	D
10240005	WOLF R NR SPARKS, KS	394920	0951130	020	043	SW	220.00		1976		S	S		S	USGS	D
10240006	LITTLE NEMAHA RIVER NEAR SYRACUSE, NEBR.	403758	0961046	031	131	SW	218.00	004	1956	1975	4			4	USGS	D
10240006	BROWNELL C SUBWATERSHED 1A NR SYRACUSE NEBR	404016	0960731	031	131	SW	.19	004	1955	1975	2	C		2	USGS	D
10240006	BROWNELL C SUBWATERSHED 1 NR SYRACUSE NEBR	404021	0960739	031	131	SW	.77	004	1955	1975	2	C		2	USGS	D
10240007	TURKEY C NR SENECA, KS	395652	0960630	020	131	SW	276.00	004	1949	1965	E	E	E		USGS	P
10240008	NEMAHA R FALLS CITY NEB	400200	0953530	031	147	SW			1949	1968	W	M			USCE	P
10240008	SPRING C NR FAIRVIEW, KS	395036	0954035	020	013	SW		004	1964	1970	9	E		9	USGS	D
10240008	WALNUT C NR FAIRVIEW, KS	395017	0953820	020	013	SW	27.00		1976	1979	N	A		N	USGS	D
10240008	MULBERRY C NR FAIRVIEW, KS	395200	0953920	020	013	SW		004	1964	1971	9	E		9	USGS	D
10240008	WALNUT C NR HAMLIN, KS	395358	0953535	020	013	SW	57.00		1978	1979	S	A		S	USGS	D
10240008	TERRAPIN C AT HAMLIN, KS	395252	0953731	020	013	SW		004	1964	1972	9	E		9	USGS	D
10240008	WALNUT C AT RESERVE, KS	395820	0953310	020	013	SW	111.00	004	1962		S	A		S	USGS	D
10240009	NODAWAY RIVER AT CLARINDA, IOWA	404419	0950047	019	145	SW	762.00		1969		O	Q	M	O	USGS	D
10240010	BURLINGTON JUNCTION NODAWAY R	402640	0950520	029	147	SW			1969	1976	O	B	B		USCE	
10240010	PLATTE RIVER NEAR DIAGONAL, IOWA	404602	0942446	019	159	SW	217.00	004	1968	1973	R	E		R	USGS	D
10240011	MISSOURI R ST JOSEPH MO	394510	0945128	029	021	SW			1948		W	M			USCE	P
10240011	MISSOURI RIVER AT ST. JOSEPH, MO.	394512	0945128	029	021	SW	420300.00		1969		M	M		M	USGS	D
10240012	L PLATTE R SMITHVILLE MAIN STREET M	392400	0943330	029	165	SW			1965	1972	W	M			USCE	P

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10250001	ARIKAREE RIVER AT HAIGLER, NEBR.	400145	1015810	031	057	SW	1640.00	024	1946	1975	2	E		2	USGS	D
10250002	S.F. REPUBLICAN R NR BENKELMAN NEB	400155	1013230	031	057	SW			1961	1967	W	M			USCE	P
10250002	NORTH FORK REPUBLICAN RIVER NEAR WRAY, CO.	400425	1021706	008	125	SW	1019.00	024	1961	1975	2			2	USGS	D
10250003	SF REPUBLICAN R NR CO-KS ST LINE, KS	393410	1020040	020	023	SW	1860.00	014	1946	1950	E	E			USGS	
10250004	REPUBLICAN RIVER AT STRATTON, NEBR.	400828	1011342	031	087	SW	8450.00	124	1949	1975	E	E			USGS	P
10250004	REPUBLICAN RIVER AT TRENTON, NEBR.	401000	1010240	031	087	SW	8620.00	124	1946		2	E		2	USGS	D
10250004	REPUBLICAN RIVER AT CAMBRIDGE, NEBR.	401705	1000835	031	065	SW	14520.00	124	1947	1953	E				USGS	P
10250005	ENDERS RESERVOIR NEAR ENDERS, NEBR.	402505	1013055	031	029	SW	950.00	124	1945	1971	2			2	USGS	D
10250005	FRENCHMAN CREEK NEAR ENDERS, NEBR.	402505	1013035	031	029	SW	950.00	124	1946	1964	E	E	E		USGS	P
10250005	FRENCHMAN R NR WAUNETA NE	402500	1012600	031	029	SW		004	1963	1967	M	M	M		USGS	D
10250005	FRENCHMAN CREEK AT PALISADE, NEBR.	402050	1010740	031	085	SW	1110.00	124	1962		2	E		2	USGS	D
10250005	FRENCHMAN CREEK AT CULBERTSON, NEBR.	401405	1005240	031	087	SW	2770.00	124	1947		3			3	USGS	D
10250006	STINKING WATER CREEK NEAR PALISADE, NEBR.	402210	1010650	031	085	SW	1500.00		1963	1978	H	N		H	USGS	D
10250007	RED WILLOW CREEK NEAR RED WILLOW, NEBR.	401410	1003000	031	145	SW	830.00	124	1949	1975	2	E	E	2	USGS	D
10250008	MEDICINE CREEK AT MAYWOOD, NEBR.	403920	1003640	031	063	SW	259.00	004	1950	1975	2	E		2	USGS	D
10250008	BRUSHY CREEK NEAR MAYWOOD, NEBR.	403751	1003747	031	063	SW	130.00	004	1950	1975	2	E		2	USGS	D
10250008	DRY CREEK NEAR CURTIS, NEBR.	403833	1002640	031	063	SW	21.70	004	1958	1975	4			2	USGS	D
10250008	MEDICINE CREEK ABOVE HARRY STRUNK LAKE, NEBR	403010	1001920	031	063	SW	770.00	004	1951	1975	2	E	E	2	USGS	D
10250008	MITCHELL CREEK ABOVE HARRY STRUNK LAKE, NEBR	402820	1001525	031	063	SW	52.00	004	1951	1975	4	P		2	USGS	D
10250008	MEDICINE CREEK BELOW HARRY STRUNK LAKE, NEBR	402220	1001320	031	063	SW	880.00		1970	1975	E				USGS	D
10250008	MEDICINE CREEK AT CAMBRIDGE, NEBR.	401755	1001035	031	065	SW	1070.00	004	1944	1975	2			2	USGS	D
10250009	REPUBLICAN R NR ORLEANS NEB	400750	0992950	031	083	SW			1948	1970	W	M			USCE	P
10250009	REPUBLICAN R NR CAMBRIDGE NEB	401705	1000835	031	065	SW			1961	1967	W	M			USCE	P
10250009	REPUBLICAN RIVER NEAR ORLEANS, NEBR.	400753	0993008	031	083	SW	15640.00	124	1946		2	E		2	USGS	D
10250010	SF SAPPA C NR BREWSTER, KS	391707	1012756	020	181	SW	74.00	004	1968	1975	A	A		A	USGS	D
10250010	SF SAPPA C TR NR GOODLAND, KS	391914	1013757	020	181	SW	4.98	004	1968	1968	A	A		A	USGS	D
10250010	SF SAPPA C NR ACHILLES, KS	394037	1004318	020	039	SW	446.00	004	1962	1975	A			A	USGS	D
10250011	SAPPA C NR OBERLIN, KS	394707	1003428	020	039	SW	1063.00	004	1951	1971	2	R		2	USGS	D
10250011	SAPPA CREEK NEAR BEAVER CITY, NEBR.	400245	0995324	031	065	SW	1510.00	004	1946	1975	2	D		2	USGS	D
10250011	SAPPA CREEK NEAR STAMFORD, NEBR.	400753	0993315	031	083	SW	3740.00		1946	1975	2			2	USGS	D
10250014	BEAVER C AT LUDELL, KS	395055	1005740	020	153	SW	1460.00	004	1965	1974	A			A	USGS	D
10250014	BEAVER C AT CEDAR BLUFFS, KS	395906	1003335	020	039	SW	1618.00	004	1958	1975	2	M		2	USGS	D
10250014	BEAVER CREEK NEAR BEAVER CITY, NEBR.	400712	0995335	031	065	SW	1950.00	004	1949	1975	2	E		2	USGS	D
10250015	PRAIRIE DOG C AB NORTON RE, KS	394613	1000600	020	137	SW	590.00	004	1963	1979	M	M			USGS	P

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10250015	PRAIRIE DOG C AT NORTON, KS	394836	0995518	020	137	SW	684.00	014	1947	1975	2	E			USGS	D
10250016	REPUBLICAN R GUIDE ROCK NEB	400310	0981850	031	181	SW			1961	1968	W	M			USCE	P
10250016	REPUBLICAN RIVER NR BLOOMINGTON NEB	400400	0990130	031	061	SW			1942	1968	W	M			USCE	P
10250016	WHITE ROCK C NR BURR OAK, KS	395355	0981505	020	089	SW	227.00	004	1961	1979	M	A			USGS	D
10250016	WHITE ROCK C AT LOVEWELL, KS	395310	0980120	020	089	SW	345.00	014	1948	1975	2	E		2	USGS	D
10250017	SALT C NR ADA KANS	390830	0975010	020	143	SW			1970	1976	W	B	B		USCE	
10250017	REPUBLICAN R CLAY CENTER KAN	392100	0970800	020	027	SW			1948		W	M			USCE	P
10250017	REPUBLICAN R NR CONCORDIA KAN	393500	0973300	020	029	SW			1961	1968	W	M			USCE	P
10250017	BUFFALO C NR JAMESTOWN KA	393655	0975120	020	029	SW			1970		W	B	B		USCE	
10250017	REPUBLICAN R AT SCANDIA, KS	394751	0974737	020	157	SW	22903.00	014	1956	1971	2	A		2	USGS	D
10250017	BUFFALO C NR JAMESTOWN, KS	393655	0975120	020	029	SW	330.00	004	1961		A			A	USGS	D
10250017	REPUBLICAN R AT CLAY CENTER, KS	392120	0970734	020	027	SW	24542.00	014	1956		2			2	USGS	D
10260002	NF SMOKY HILL R NR MCALLASTER, KS	390101	1012051	020	109	SW	670.00	004	1966	1979	M	A			USGS	D
10260003	SMOKY HILL R NR ARNOLD, KS	384831	1000113	020	195	SW	5220.00	004	1966	1979	A			A	USGS	D
10260004	LADDER C BL CHALK C NR SCOTT CITY, KS	384720	1005210	020	109	SW	1460.00	004	1958		M	A	E		USGS	P
10260005	SB HACKBERRY C NR ORION, KS	385630	1004210	020	063	SW	49.60	004	1964	1968	A	E		A	USGS	D
10260006	SMOKY HILL R ELLSWORTH KAN	384400	0981400	020	053	SW			1942	1967	W	M			USCE	P
10260006	SALINE R NR RUSSELL KAN	384700	0985100	020	167	SW			1964	1970	W	M			USCE	P
10260006	CEDAR BLUFF HATCHERY DISCHARGE	384704	0994245	020	195	DR			1977		W	W	W		USFWS	
10260006	SMOKY HILL R NR ELLIS, KS	384600	0993400	020	051	SW	5630.00	004	1944	1975	2	E		2	USGS	D
10260006	SMOKY HILL R NR RUSSELL, KS	384636	0985116	020	167	SW	6965.00	004	1941	1974	E	E			USGS	P
10260006	SMOKY HILL R NR BUNKER HILL, KS	384738	0984650	020	167	SW	7075.00		1974		A	A		A	USGS	D
10260006	SMOKY HILL R AT ELLSWORTH, KS	384336	0981400	020	053	SW	7580.00	004	1949	1975	E	E	E		USGS	P
10260007	BIG C NR OGALLAH, KS	385440	0994440	020	195	SW	297.00	004	1954	1968	2	E		2	USGS	D
10260007	BIG C NR HAYS, KS	384845	0991514	020	051	SW	594.00	004	1961		M	A			USGS	D
10260007	NF BIG C NR VICTORIA, KS	385312	0991221	020	051	SW	54.00	004	1975		M	A			USGS	D
10260008	LYON C NR WOODBINE KAN	385300	0965500	020	061	SW			1963	1969	W	M			USCE	P
10260008	CHAPMAN C NR CHAPMAN KANS	390152	0970224	020	041	SW			1970	1976	W	B	B		USCE	
10260008	SMOKY HILL R AT LINDSBORG, KS	383357	0974020	020	113	SW	8110.00	014	1951	1958	E	E			USGS	P
10260008	SMOKY HILL R AT NEW CAMBRIA, KS	385149	0972858	020	169	SW	11730.00	014	1961		2	E	E	2	USGS	D
10260008	GYPSUM C NR GYPSUM, KS	383911	0972510	020	169	SW	120.00	004	1964	1978	E	E		E	USGS	D
10260008	MUD C AT ABILENE, KS	385547	0971339	020	041	SW	87.00	004	1973	1973	A			A	USGS	D
10260008	TURKEY C NR ABILENE, KS	384822	0971053	020	041	SW	143.00	004	1957	1978	4	E		4	USGS	D
10250009	SMOKY HILL R AT ENTERPRISE, KS	385424	0970712	020	041	SW	19260.00	014	1909		2	O	A	2	USGS	D

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10260008	CHAPMAN C NR CHAPMAN, KS	390152	0970224	020	041	SW	300.00	004	1957	1979	5	A		5	USGS	D
10260008	LYON C NR WOODBINE, KS	385305	0965435	020	061	SW	230.00	004	1957	1971	4	E		4	USGS	D
10260009	SALINE R NR WAKEENEY, KS	390622	0995210	020	195	SW	696.00	004	1954	1966	2	E		2	USGS	D
10260009	SALINE R NR RUSSELL, KS	385800	0985120	020	167	SW	1502.00	014	1945	1975	2	A	E	2	USGS	D
10260009	PARADISE C NR PARADISE, KS	390425	0985115	020	167	SW	212.00	004	1946	1971	2	E		2	USGS	D
10260009	SALINE R NR WILSON, KS	385600	0983200	020	167	SW	1900.00	004	1940	1975	E	E			USGS	P
10260010	SALINE RIVER NR SYLVAN GROVE KAN	390100	0982800	020	105	SW			1964	1974	W				USCE	
10260010	WOLF C NR SYLVAN GROVE, KS	390054	0982825	020	105	SW	261.00	004	1947	1975	2	E		2	USGS	D
10260010	NB SPILLMAN C NR ASH GROVE, KS	390908	0982345	020	105	SW	26.10	004	1971	1971	A	A		A	USGS	D
10260010	SALINE R AT TESCOTT, KS	390015	0975226	020	143	SW	2820.00	014	1948	1979	2	M	A	2	USGS	D
10260010	MULBERRY C NR SALINA, KS	385040	0974005	020	169	SW	250.00	004	1961	1970	E			E	USGS	D
10260011	NF SOLOMON R AT GLADE, KS	394040	0991830	020	147	SW	849.00	004	1971		M	A			USGS	D
10260012	PORTIS KAN NF SOLOMON R PORTIS KAN	393315	0984131	020	141	SW			1961	1968	W	M			USCE	P
10260012	NF SOLOMON R AT KIRWIN, KS	393936	0990655	020	147	SW	1367.00	014	1945	1975	2	E		2	USGS	D
10260012	DEER C NR PHILLIPSBURG, KS	394650	0992520	020	147	SW	65.00	004	1967		M	A			USGS	D
10260012	M BEAVER C NR SMITH CENTER, KS	394800	0985110	020	183	SW	71.00	004	1963	1968	K	R		K	USGS	D
10260013	SF SOLOMON R AB WEBSTER RE, KS	392226	0993454	020	163	SW	1040.00	004	1958	1975	4	A		4	USGS	D
10260014	S F SOLOMON R OSBORNE KAN	392600	0984200	020	141	SW			1962	1968	W	M			USCE	P
10260014	SF SOLOMON R AT ALTON, KS	392733	0985636	020	141	SW	1720.00	014	1946	1975	2	E		2	USGS	D
10260014	KILL C NR BLODMINGTON, KS	392245	0985133	020	141	SW	52.00	004	1975		M	A			USGS	D
10260015	SOLOMON R AT BELOIT, KS	392509	0980333	020	123	SW	5530.00	014	1948	1965	2	E		2	USGS	D
10260015	M PIPE C NR MILTONVALE, KS	392100	0973408	020	029	SW	10.20	004	1968	1973	A			A	USGS	D
10260015	SALT C NR ADA, KS	390830	0975010	020	143	SW	384.00	004	1963	1978	R	A		R	USGS	D
10260015	SOLOMON R AT NILES, KS	385808	0972834	020	143	SW	6770.00	014	1909		6	A		6	USGS	D
10270101	CLARK C NR JUNCTION CITY, KS	390028	0964420	020	061	SW	200.00	004	1957	1975	3			3	USGS	D
10270102	SOLDIER C NR DELIA KAN	391208	0955225	020	177	SW			1963	1970	W	M			USCE	P
10270102	MILL C NR PAXICO KA	390344	0961052	020	197	SW			1970	1976	W	B	B		USCE	
10270102	KANSAS R AT WAMEGO, KS	391152	0961816	020	149	SW	55280.00	014	1955	1979	2	A	A	2	USGS	D
10270102	VERMILLION C NR WAMEGO, KS	392100	0961310	020	149	SW	243.00	004	1957	1971	2	A		2	USGS	D
10270102	VERMILLION C NR LOUISVILLE KS	391642	0961434	020	149	SW	297.00	004	1972	1974	A	E		A	USGS	D
10270102	SOLDIER C NR GOFF, KS	393727	0955757	020	131	SW	2.06	004	1968		A	A		A	USGS	D
10270102	SOLDIER C NR BANCROFT, KS	393542	0955817	020	131	SW	10.50	004	1968		A	A		A	USGS	D
10270102	SOLDIER C NR SOLDIER, KS	393357	0955745	020	085	SW	16.90	004	1968		A	A		A	USGS	D
10270102	SOLDIER C NR CIRCLEVILLE, KS	392747	0955700	020	085	SW	49.30	004	1967		R	A		R	USGS	D

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10270102	SOLDIER C NR ST. CLERE, KS	392233	0955505	020	085	SW	80.00	004	1967		A	E		A	USGS	D
10270102	SOLDIER C NR DELIA, KS	391208	0955225	020	177	SW	157.00	004	1965		Q	A			USGS	P
10270102	SOLDIER C NR TOPEKA, KS	390600	0954327	020	177	SW	290.00	004	1978	1979	A	A		A	USGS	D
10270103	DELAWARE R NR MUSCOTAH KS	393117	0953157	020	005	SW			1970		W	B	B		USCE	P
10270103	ARRINGTON DELAWARE R	392636	0953125	020	005	SW			1969	1969	W	B	B		USCE	P
10270103	L DELAWARE R NR HORTON, KS	394147	0953349	020	013	SW	19.00	004	1976		A	A		A	USGS	D
10270103	L GRASSHOPPER C NR EFFINGHAM, KS	393500	0952526	020	005	SW	22.00		1976	1979	S	R		S	USGS	D
10270103	L GRASSHOPPER C AT MUSCOTAH, KS	393250	0953050	020	005	SW	52.00		1978	1979	K			K	USGS	D
10270103	DELAWARE R NR MUSCOTAH, KS	393117	0953157	020	005	SW	431.00	004	1969		R	R		R	USGS	D
10270103	COAL C NR ARRINGTON, KS	392752	0952713	020	005	SW	5.00		1978	1979	K	A		K	USGS	D
10270103	COAL C NR HALF MOUND, KS	392327	0952845	020	087	SW	27.00		1978	1979	N	R		N	USGS	D
10270103	DELAWARE R AT VALLEY FALLS, KS	392103	0952716	020	087	SW	922.00	004	1956	1967	5	E		5	USGS	D
10270104	KANSAS R BONNER SPRINGS KAN	390337	0945221	020	209	SW			1949	1973	W	M			USCE	P
10270104	KANSAS R AT DESOTA KANSAS	385900	0945752	020	103	SW			1973		W	M	M		USCE	P
10270104	KANSAS R AT LECOMPTON KANSAS	390307	0952315	020	087	SW			1974		W	M	M		USCE	
10270104	STRANGER C NR TONGANOXIE KS	390659	0950039	020	103	SW			1964	1971	W	B	B		USCE	P
10270104	WAKARUSA R NR LAWRENCE KAN	385400	0951500	020	045	SW			1963	1970	W	M			USCE	P
10270104	KANSAS R AT LECOMPTON, KS	390307	0952315	020	087	SW	58460.00	014	1957		N	N		A	USGS	D
10270104	YANKEE TANK C NR LAWRENCE, KS	385607	0951858	020	045	SW	3.90	004	1968	1975	E	E			USGS	P
10270104	WAKARUSA R NR LAWRENCE, KS	385440	0951537	020	045	SW	425.00	004	1957	1971	5			5	USGS	D
10270104	STRANGER CR AT EASTON, KS	392047	0950631	020	103	SW			1978	1979	A			A	USGS	D
10270104	STRANGER C NR TONGANOXIE, KS	390659	0950039	020	103	SW	406.00	004	1956	1979	5	E		5	USGS	D
10270104	KANSAS R AT DESOTO, KS	385900	0945752	020	103	SW	59756.00	014	1973		3	E		E	USGS	D
10270104	CEDAR C NR CEDAR JUNCTION, KS	385611	0945430	020	091	SW	38.90	004	1965	1968	Q			Q	USGS	D
10270104	KANSAS R AT BONNER SPRINGS, KS	390337	0945221	020	209	SW	59928.00	014	1949	1975	E	E			USGS	P
10270104	TURKEY C AT KANSAS CITY KS	390331	0943733	020	209	SW	22.30	004	1974	1974	A			A	USGS	D
10270104	WAKARUSA RIVER 4 MILES W OF AUBURN KS	385350	0955253	020	177	SW			1978	1980	A			A	USGS	D
10270104	WAKARUSA RIVER 5 MILES W OF AUBURN KS	385351	0955429	020	177	SW			1978	1980	A			A	USGS	D
10270104	SIXMILE CREEK TRIB 4 MILES NE OF AUBURN KS	385632	0954640	020	177	SW			1978	1979	A			A	USGS	D
10270104	SIXMILE CREEK TRIB 5 MILES NE OF AUBURN KS	385718	0954640	020	177	SW			1978	1979	A			A	USGS	D
10270201	SEWARD LINCOLN CR	405457	0970843	031	159	SW			1967	1973	O	B			USCE	
10270201	BIG BLUE RIVER AT SURPRISE, NEBR.	410605	0971835	031	023	SW	345.00	004	1965		E	E		E	USGS	D
10270201	LINCOLN CREEK NEAR SEWARD, NEBR.	405457	0970843	031	159	SW	446.00	004	1963		E	E		E	USGS	D
10270202	BIG BLUE R NR CRETE NEB	403540	0965735	031	151	SW			1964	1970	W	M			USCE	P

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10270202	TURKEY C NR WILBER NEBR	402837	0970029	031	151	SW			1970	1976	W	B	B		USCE	
10270202	BIG BLUE RIVER NEAR CRETE, NEBR.	403547	0965736	031	151	SW	2716.00	024	1960		E	E		E	USGS	D
10270202	BIG BLUE R AT BEATRICE NEBR	401500	0964500	031	067	SW	3901.00	004	1960		Z	Z		Z	USGS	D
10270202	BIG BLUE R AT BARNESTON NEBR	400311	0963516	031	067	SW	4444.00	124	1957	1971	4			4	USGS	D
10270203	DORCHESTER WF BIG BLUE R	404352	0971038	031	159	SW			1967	1973	O		B		USCE	
10270203	WEST FORK BIG BLUE RIVER NR DORCHESTER, NEBR	404352	0971038	031	159	SW	1206.00	004	1963		E	E		E	USGS	D
10270204	TURKEY CREEK NEAR WILBER, NEBR.	402848	0970043	031	151	SW	460.00	024	1965		E	E		E	USGS	D
10270205	BIG BLUE R BARNESTON NEB	400300	0963500	031	067	SW			1959	1972	W	M			USCE	P
10270205	BLACK VERMILLION R NR FRANKFORT, KS	394103	0962615	020	117	SW	410.00	004	1958	1978	5	A		5	USGS	D
10270205	BIG BLUE R AT RANDOLPH, KS	392700	0964300	020	161	SW	9100.00	004	1949	1957	E	E			USGS	P
10270205	FANCY C AT WINKLER, KS	392820	0964955	020	161	SW			1971	1971	A	A		A	USGS	D
10270205	BIG BLUE R NR MANHATTAN, KS	391414	0963416	020	161	SW	9640.00	014	1954		N			N	USGS	D
10270206	LITTLE BLUE RIVER NEAR DEWEESE, NEBR.	401958	0980420	031	129	SW	979.00	004	1954		2	M	M	2	USGS	D
10270207	L BLUE R NR BARNES KS	394640	0965140	020	177	SW			1959	1971	W	B	B		USCE	P
10270207	MILL C AT WASHINGTON KANS	394850	0970220	020	201	SW			1970	1976	W	B	B		USCE	
10270207	LITTLE BLUE RIVER NEAR FAIRBURY, NEBR.	400654	0971013	031	095	SW	2350.00	004	1951	1968	4	M	M	4	USGS	D
10270207	LITTLE BLUE R AT HOLLENBERG, KS	395848	0970016	020	201	SW	2752.00	004	1972		E	E		E	USGS	D
10270207	L BLUE R NR BARNES, KS	394633	0965129	020	201	SW	3324.00	004	1962		R	A		R	USGS	D
10280101	SHOAL C NR BRAYMER MO	394005	0934605	029	025	SW			1963	1969	W	M			USCE	P
10280102	THOMPSON R NR MT MORAIH MO	402110	0934605	029	129	SW			1963	1969	W	M			USCE	P
10280102	WELDON R MILL GROVE MO	401800	0933600	029	129	SW			1963	1971	W	M	E		USCE	P
10280102	ELK CREEK NEAR DECATUR CITY, IOWA	404318	0935619	019	053	SW	52.50	004	1967		M	A		6	USGS	D
10280102	THOMPSON RIVER AT DAVIS CITY, IOWA	403825	0934829	019	053	SW	701.00	004	1945	1973	O	Q	A	2	USGS	D
10280102	WELDON RIVER NEAR LEON, IOWA	404145	0933807	019	053	SW	104.00	004	1968	1973	E			E	USGS	D
10280103	W YELLOW C BROOKFIELD MO	395040	0930136	029	115	SW			1964	1969	E	E			USCE	P
10280103	LOCUST C NR LINNEUS MO	395345	0931410	029	115	SW			1963	1969	E	E			USCE	P
10280103	MEDICINE C NR GALT MO	400745	0932145	029	211	SW			1970		W	B	B		USCE	
10280103	GRAND RIVER NEAR SUMNER MO	393825	0931625	029	117	SW	6880.00		1962		M	M		M	USGS	D
10280201	PROMISE CITY SF CHARITON R	404802	0931132	019	185	SW			1969	1976	O	B	B		USCE	
10280201	CHARITON RIVER NEAR CHARITON, IOWA	405712	0931537	019	117	SW	182.00	004	1968	1973	2	A		2	USGS	D
10280201	HONEY CR. NR RUSSELL, IOWA	405525	0930755	019	117	SW	13.20	004	1952	1975	3	Q		2	USGS	D
10280201	SOUTH FORK CHARITON RIVER NEAR PROMISE CITY,	404802	0931132	019	185	SW	168.00	004	1965	1973	E			E	USGS	D
10280201	CHARITON RIVER NEAR RATHBUN, IOWA	404922	0925322	019	007	SW	549.00	014	1961	1973	2	E		2	USGS	D
10280202	MUSSEL FORK MUSSEL FORK CHARITON R	393126	0925659	029	041	SW			1969		O	B	B		USCE	

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10280203	E FK L CHARITON R HUNTSVILLE MO	392719	0923409	029	175	SW			1963	1970	W	M			USCE	P
10290101	DRAGON C NR BURLINGAME KAN	384230	0955020	020	139	SW			1962	1970	W	M			USCE	P
10290101	GARNETT POTTAWATOMIE C	382001	0951455	020	003	SW			1968	1973	W	B	B		USCE	P
10290101	MARAIS DES CYGNES R MELVERN KAN	383150	0954640	020	139	SW			1964	1970	W	M			USCE	P
10290101	MARAIS DES CYGNES R NR READING KS	384000	0955750	020	111	SW			1971		W	B	B		USCE	
10290101	DRAGOON C NR BURLINGAME, KS	384230	0955020	020	139	SW	114.00	004	1978	1979	R			R	USGS	D
10290101	POTTAWATOMIE C NR GARNETT, KS	382001	0951455	020	003	SW	334.00	004	1963	1979	M	A			USGS	D
10290102	MARAIS DES CYGNES R NR KS-MO ST LINE, KS	381321	0944004	020	107	SW	3230.00	004	1961	1973	E			E	USGS	D
10290103	L OSAGE R AT FULTON KANS	380109	0944248	020	011	SW			1970		W	B	B		USCE	
10290103	L OSAGE R AT FULTON, KS	380109	0944248	020	011	SW	295.00	004	1968	1979	A			A	USGS	D
10290104	MARMATON R NR FORT SCOTT, KS	375147	0944036	020	011	SW	408.00	004	1949	1975	E	E	E		USGS	P
10290104	COX C 1 MILE S OF ARCADIA, KS	373747	0943802	020	037	SW			1976		A			A	USGS	D
10290104	COX C 2 MILES N OF ARCADIA, KS	374109	0943704	020	011	SW			1976		A			A	USGS	D
10290106	STOCKTON DAM	374203	0934520	029	039	SW			1969		W				USCE	P
10290106	DADEVILLE SAC R	372635	0934105	029	057	SW			1969	1976	O	B	B		USCE	
10290107	POMME DE TERRE R NR BOLIVAR MO	373600	0931900	029	167	SW			1961	1968	W	M			USCE	P
10290108	BIG C BLAIRSTOWN MO	383317	0935754	029	083	SW			1965	1973	W	M			USCE	P
10290108	S GRAND R AT ARCHIE	382844	0942003	029	037	SW			1972		W	B	B		USCE	
10290111	OSAGE RIVER BELOW ST. THOMAS, MISSOURI	382518	0921231	029	051	SW	14500.00	014	1975		M	M		M	USGS	D
10300101	LITTLE BLUE R LONGVIEW RD KS CITY	385449	0942757	029	095	SW			1967	1975	W	B	B		USCE	P
10300101	KANSAS CITY MO LITTLE BLUE R	385420	0942800	029	095	SW			1966		O	B	B		USCE	
10300101	EXCELIOR SPRINGS EF FISHING R	392020	0941245	029	047	SW			1968	1972	O	B			USCE	P
10300102	MOREAU R NR JEFFERSON CITY MO	383025	0921520	029	051	SW			1965	1972	W	B	B		USCE	P
10300200	CAULKS CREEK	383917	0903543	029	189	SW			1978		M				MOOO3	
10300200	BONHOMME CREEK	383954	0903447	029	189	SW			1978		M				MOOO3	
10300200	MISSOURI RIVER AT HERMANN, MO	384236	0912621	029	073	SW	524200.00	124	1969		M	M		M	USGS	D

ARKANSAS-WHITE-RED REGION 11

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
110044 B	ALPENA ARK			005	009	SW			1963		B				AR001	P
110044 B	HUNTSVILLE ARK			005	087	SW			1936		B				AR001	P
110044 B	WEST FORK ARK			005	143	SW			1961		B				AR001	P
110044 G	HARDY ARK			005	135	SW			1936		B				AR001	P
110044 G	IMBODEN ARK			005	075	SW			1953		B				AR001	P
110044 I	POCAHONTAS ARK			005	121	SW			1936		B				AR001	P
110044 J	BATESVILLE ARK			005	063	SW			1936		B				AR001	P
110044 K	CLINTON ARK			005	141	SW			1953		B				AR001	P
110044 K	PANGBURN ARK			005	145	SW			1957		B				AR001	P
110044 K	SEARCY ARK			005	145	SW			1936		B				AR001	P
110044 N	MULBERRY ARK			005	033	SW			1935		B				AR001	P
110044 O	DANVILLE ARK			005	149	SW			1937		B				AR001	P
110044 Q	PERRYVILLE ARK			005	105	SW			1960		B				AR001	P
110044 R	CONWAY ARK			005	045	SW			1935		B				AR001	P
110044 R	DOVER ARK			005	115	SW			1957		B				AR001	P
110044 R	RUSSELLVILLE ARK			005	115	SW			1935		B				AR001	P
110045 J	GENTRY ARK			005	007	SW			1935		B				AR001	P
11004500	CANADIAN R AT CALVIN OK			040	063	SW			1977		M	M	M		USGS	P
11004600	CIMARRON R NR BUFFALO OK			040	151	SW			1977		M	M	M		USGS	P
11004600	BEAVER R AT BEAVER OK			040	007	SW			1977		M	M	M		USGS	P
11004700	BEAVER R NR GOYMON OK			040	139	SW			1977		M	M	M		USGS	P
110049 G	DEQUEEN ARK			005	133	SW			1935		B				AR001	P
110049 H	RED R NR DE KALB TX	334115	0944139	048	037	SW			1969		O				TX001	C
11005000	N F RED R NR HEADRICK OK			040	065	SW			1977		M	M	M		USGS	P
11010004	WHITE RIVER AT CALICO ROCK, ARK.	360658	0920835	005	065	SW	9978.00	014	1962		E	E		E	USGS	D
11010004	NORTH SYLAMORE CREEK NEAR FIFTY SIX, ARK.	355943	0921245	005	137	SW	58.10	004	1965		M	A		M	USGS	D
11010005	FISHDAM 6 MI NORTH NAOMA	455710	0864250	026	041	SW			1975		S				USFS	D
11010005	FISHDAM 5 MI NORTH NAOMA	455640	0864250	026	041	SW			1975		S				USFS	D
11010005	WHITEFISH RIVER 6 MI NW RAPID R	460530	0865510	026	041	SW			1975		S				USFS	D
11010005	WHITEFISH 12M N GLADSTONE MICH	455330	0865510	026	041	SW			1975		S				USFS	D
11010006	NORTH FORK R NR TECUMSEH MO	363722	0921453	029	153	SW			1945	1969	B	E			USCE	
11010007	BLACK R NR ANNAPOLIS MO	372010	0904715	029	179	SW			1939		B				USCE	
11010007	BLACK R AT POPLAR BLUFF MO .	364535	0902315	029	023	SW			1939		B				USCE	
11010007	ST FRANCIES RIVER NR GLENNONVILLE, MO	363422	0901106	029	069	SW			1977		N	N		N	USGS	D

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11010007	CURRENT RIVER ABOVE POWDER MILL	371032	0911248	029	203	SW		004	1973		E			E	USGS	D
11010008	JACKS FORK ABOVE TWO RIVERS	371053	0911736	029	203	SW		004	1973		E			E	USGS	D
11010009	BLACK RIVER AT BLACK ROCK, ARK.	360615	0910550	005	075	SW	7369.00		1944		E	E		E	USGS	D
11010013	WHITE RIVER AT NEWPORT, ARK.	353622	0911719	005	067	SW	19860.00		1944		R	R			USGS	D
11010013	AURORA HOMESTAKE PILN			005		SW			1977		M	M	M		USGS	P
11010014	SOUTHEAST WHITE COUNTY - SEARCY	351500	0914500	005	145	SW			1972		B				AR001	
11020001	HALFMOON CREEK NEAR MALTA, CO.	391020	1062319	008	065	SW	23.60	004	1966		E			E	USGS	D
11020001	ARKANSAS RIVER AT PARKDALE, CO.	382914	1052223	008	043	SW	2548.00	124	1967	1978	M	A		M	USGS	D
11020002	BESSEMER DITCH	381400	1043400	008	101	CN			1969		M	A			USBR	
11020002	BESSEMER DITCH	381530	1044045	008	101	CN			1969		M	M			USBR	
11020002	BESSEMER DITCH	381600	1044700	008	101	CN			1969		M	M			USBR	
11020002	BESSEMER D	381600	1044715	008	101	CN			1970		M	M			USBR	
11020002	ARKANSAS RIVER AT CANON CITY, CO.	382602	1051524	008	043	SW	3117.00	124	1963	1978	E	E		E	USGS	D
11020002	ARKANSAS RIVER AT PORTLAND, CO.	382318	1050056	008	043	SW	4024.00		1977		N	N		A	USGS	D
11020002	ARKANSAS RIVER NEAR PORTLAND, CO.	382014	1045618	008	101	SW	4280.00	124	1964		E	E		E	USGS	D
11020002	ARKANSAS RIVER ABOVE PUEBLO, CO.	381617	1044306	008	101	SW	4670.00	124	1965		E	E		E	USGS	D
11020002	ARKANSAS RIVER NEAR PUEBLO, CO.	381602	1043926	008	101	SW	4686.00	124	1963		E	E		E	USGS	D
11020003	SOUTH CHEYENNE C AT BROADMOOR COLO	384709	1045209	008	041	SW			1966		M	M			C0003	
11020003	NORTH CHEYENNE C AT BROADMOOR COL	384729	1045237	008	041	SW			1966		A	A			C0003	
11020003	BEAR C NR COLORADO SPRINGS COLO	384911	1045332	008	041	SW			1959		A	A			C0003	
11020003	BLUE R DIV NR GREEN MTN FALLS COLO	385537	1050420	008	119	SW			1956		M	M			C0003	
11020009	PURGATOIRE R NR LAS ANIMAS COLO	380202	1031200	008	011	SW			1959		M	M			USCE	
11020009	ARKANSAS R AT LAS ANIMAS COLO	380508	1031250	008	011	SW			1959		M	M			USCE	
11020010	PURGATOIRE RIVER BELOW TRINIDAD LAKE, CO.	370837	1043249	008	071	SW			1977	1978	O			O	USGS	D
11030001	ARKANSAS RIVER NEAR COOLIDGE, KANS.	380134	1020041	020	075	SW	25410.00		1963		E	E		E	USGS	D
11030001	ARKANSAS R AT SYRACUSE, KS	375758	1014523	020	075	SW	25763.00	124	1939	1979	M	A		M	USGS	D
11030001	ARKANSAS R AT GARDEN CITY, KS	375721	1005237	020	055	SW	27071.00	014	1939	1968	N	E		N	USGS	D
11030002	WHITEWOMAN C NR LEOTI, KS	382852	1012916	020	203	SW	750.00	004	1971	1979	A	A		A	USGS	D
11030002	WHITEWOMAN C NR MODOC, KS	382020	1010410	020	171	SW		004	1964	1968	A	A		A	USGS	D
11030003	ARKANSAS R AT DODGE CITY, KS	374451	1000108	020	057	SW	30600.00	014	1961	1979	Q	A		Q	USGS	D
11030004	ARKANSAS R TR NR DODGE CITY, KS	374252	1000053	020	057	SW	8.66	004	1963	1978	A			A	USGS	D
11030004	MULBERRY C NR DODGE CITY, KS	373553	1000052	020	057	SW	73.80	004	1975	1979	M	A			USGS	D
11030004	ARKANSAS R NR KINSLEY, KS	375533	0992231	020	047	SW	31066.00	014	1958	1979	2	E		2	USGS	D
11030004	WHITEWOMAN C NR BELLEFONT, KS	375526	0993831	020	083	SW	14.00	004	1971	1978	A			A	USGS	D

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11030004	ARKANSAS R AT GREAT BEND, KS	382111	0984550	020	009	SW	34356.00	014	1944	1975	E	E	E		USGS	P
11030005	PAWNEE R TR NR KALVESTA, KS	380342	1002100	020	055	SW	6.89	004	1973	1978	A			A	USGS	D
11030005	GUZZLERS GULCH NR NESS CITY, KS	381740	0995710	020	135	SW	58.20	004	1963	1979	A	A		A	USGS	D
11030005	PAWNEE R NR LARNED, KS	381200	0992050	020	145	SW	2148.00	004	1958	1979	M	Q			USGS	P
11030007	SF WALNUT CR TR NR DIGHTON, KS	382858	1002454	020	101	SW	.81	004	1973	1973	A			A	USGS	D
11030007	LONG BRANCH C NR NESS CITY, KS	382701	0995250	020	135	SW	28.00	004	1963	1972	A	A		A	USGS	D
11030008	WALNUT C NR RUSH CENTER, KS	382807	0992207	020	165	SW	1256.00	004	1976	1976	A			A	USGS	D
11030008	OTTER C NR RUSH CENTER, KS	382416	0991826	020	165	SW	17.00	004	1967	1973	A			A	USGS	D
11030008	WALNUT C AT ALBERT, KS	382740	0990050	020	009	SW	1410.00	004	1958	1979	2	Q		2	USGS	D
11030008	WALNUT C NR ALBERT, KS	382712	0985839	020	009	SW	1500.00	004	1968	1975	A	E		A	USGS	D
11030009	RATTLESNAKE C NR MACKSVILLE, KS	375220	0985230	020	185	SW	784.00	004	1962	1979	M	A			USGS	D
11030009	RATTLESNAKE C NR RAYMOND, KS	381350	0982500	020	159	SW	1167.00	004	1960	1978	A			A	USGS	D
11030010	ARKANSAS R NR HUTCHINSON, KS	375647	0974629	020	155	SW	38910.00	004	1959		2	A		2	USGS	D
11030011	COW C NR CLAFLIN, KS	383120	0983500	020	009	SW	43.00	004	1975		M				USGS	D
11030011	BLOOD C NR BOYD, KS	383210	0985135	020	009	SW	61.00	004	1967		M	A			USGS	D
11030011	PLUM C NR HOLYROOD, KS	383553	0982527	020	053	SW	19.00	004	1971	1971	A	A		A	USGS	D
11030011	COW C NR LYONS, KS	381830	0981130	020	159	SW	728.00	004	1939	1979	H	E		H	USGS	D
11030012	L ARKANSAS R AT ALTA MILLS, KS	380644	0973530	020	079	SW	736.00		1978	1979	R	A		R	USGS	D
11030012	L ARKANSAS R AT VALLEY CENTER, KS	374956	0972316	020	173	SW	1327.00	004	1944		2	E	E	2	USGS	D
11030013	ARKANSAS R AT WICHITA, KS	373841	0972006	020	173	SW	40490.00	014	1958	1971	A	A		A	USGS	D
11030013	ARKANSAS R AT DERBY, KS	373234	0971631	020	173	SW	40830.00	014	1961		E	E		E	USGS	D
11030013	SLATE C AT WELLINGTON, KS	371500	0972412	020	191	SW	154.00	004	1975		M	A			USGS	P
11030013	ARKANSAS R AT ARKANSAS CITY, KS	370323	0970332	020	035	SW	43713.00	014	1912		2	Q	A	2	USGS	D
11030014	NF NINNESCAH R AB CHENEY RE, KS	375041	0975609	020	155	SW	787.00	004	1967		M	E		M	USGS	D
11030015	SF NINNESCAH R NR MURDOCK, KS	373351	0975110	020	095	SW	650.00	004	1950		M	A	A		USGS	P
11030016	NINNESCAH R NR PECK, KS	372734	0972520	020	191	SW	2129.00	004	1951		M	A	A		USGS	P
11030017	COLE C NR DEGRAFF, KS	375650	0964650	020	015	SW	30.00	004	1962		M	A			USGS	D
11030017	WHITEWATER R 2 MILES N OF POTWIN, KS	375810	0970137	020	015	SW			1978	1979	A			A	USGS	D
11030017	WHITEWATER R 3 MILES S OF POTWIN, KS	375352	0970243	020	015	SW	162.00	004	1967	1979	A			A	USGS	D
11030017	WHITEWATER R 6 MILES NW OF TOWANDA, KS	375018	0970226	020	015	SW			1978	1979	A			A	USGS	D
11030017	WB WHITEWATER R NR FURLEY, KS	375208	0970731	020	015	SW	88.00	004	1966	1969	E	E		E	USGS	D
11030017	WB WHITEWATER R NR BENTON, KS	374901	0970450	020	015	SW	177.00	004	1967	1979	A			A	USGS	D
11030017	WHITEWATER R AT TOWANDA, KS	374745	0970045	020	015	SW	426.00	004	1961		M	A	E		USGS	P
11030018	WALNUT R AT WINFIELD, KS	371327	0965940	020	035	SW	1872.00	004	1960	1975	2	A		2	USGS	D

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11040001	DRY CIMARRON R NR GUY, NM	365915	1032525	035	059	SW	545.00	014	1963	1974	M	A			USGS	D
11040001	DRY CIMARRON R NR GUY, NM	365915	1032525	035	059	SW			1963	1974	E	E		E	USGS	D
11040001	CIMARRON RIVER NR KENTON, OK	365536	1025731	040	025	SW	1106.00	024	1952		N			N	USGS	D
11040003	NF CIMARRON R TR NR ELKHART, KS	371127	1015354	020	129	SW	75.00	004	1971	1971	A			A	USGS	D
11040003	NF CIMARRON R AT RICHFIELD, KS	371530	1014630	020	129	SW	463.00	004	1975	1979	M	A			USGS	P
11040003	NF CIMARRON R NR ULYSSES, KS	373337	1012357	020	067	SW	1640.00	004	1962	1972	A	A		A	USGS	D
11040005	BEAR C NR JOHNSON, KS	373735	1014540	020	187	SW	835.00	004	1971	1978	R	A		R	USGS	D
11040006	CIMARRON R AT LIBERAL, KS	371427	1005510	020	175	SW	7452.00	004	1938	1975	A	E		A	USGS	D
11040006	CIMARRON RIVER NR FORGAN, OK	370045	1002939	020	119	SW	8536.00	024	1967	1974	A	E		A	USGS	D
11040006	CIMARRON RIVER NR MOCANE, OK	365900	1001900	040	007	SW	8670.00	024	1944	1978	S	A		S	USGS	D
11040007	CROOKED C NR NYE, KS	370202	1001155	020	119	SW	1157.00	004	1944		S	E		S	USGS	D
11040008	KIGER C NR ASHLAND, KS	371136	0995448	020	025	SW	34.00	004	1973	1979	A			A	USGS	D
11040008	CIMARRON RIVER NR BUTTERMILK, KS	370136	0992845	020	033	SW	11120.00	004	1972		A	A		A	USGS	D
11040008	BLUFF C NR PROTECTION, KS	371110	0993000	020	033	SW	303.00	004	1962	1970	E	E		E	USGS	D
11040008	CAVALRY C AT COLDWATER, KS	371600	0992040	020	033	SW	39.00	004	1963		Q	E		Q	USGS	D
11040008	BLUFF CREEK NR BUTTERMILK, KS	370155	0992845	020	033	SW	657.00	004	1972		E	E			USGS	D
11050001	CIMARRON RIVER NR BUFFALO, OK	365528	0992356	040	151	SW	11930.00	024	1959		E	E		E	USGS	D
11050002	TURKEY CREEK NR DRUMMOND, OK	361905	0980003	040	047	SW	248.00	004	1946	1976	O				USGS	
11050002	COTTONWOOD CREEK AT SEWARD, OK	354753	0972932	040	083	SW	316.00	004	1970		K	K			USGS	D
11050003	CIMARRON RIVER AT PERKINS, OK	355732	0970149	040	119	SW	17852.00		1951		R	R		R	USGS	D
11050003	STILLWATER CREEK AT STILLWATER, OK	360553	0970248	040	119	SW	168.00	004	1934	1937	O				USGS	P
11050003	WEST FORK BRUSH CREEK NR STILLWATER, OK	360700	0970018	040	119	SW	13.10	004	1934	1937	O				USGS	
11050003	COUNCIL CREEK NR STILLWATER, OK	360707	0965200	040	119	SW	31.00	004	1934	1944	O				USGS	P
11060003	MEDICINE LODGE R NR KIOWA, KS	370217	0982804	020	007	SW	903.00	004	1953		M	A	E		USGS	P
11060005	CHIKASKIA R NR CORBIN, KS	370744	0973604	020	191	SW	794.00	004	1950		2	A		2	USGS	D
11060006	ARKANSAS RIVER AT RALSTON, OK	363009	0964322	040	113	SW	54465.00	014	1948		Q	Q			USGS	D
11070101	VERDIGRIS R NR MADISON KS	380815	0960605	020	073	SW	181.00		1956		M				USCE	
11070101	VERDIGRIS R NR ALTOONA KANS	372926	0954049	020	205	SW	1138.00		1940		B				USCE	
11070102	FALL R NR FALL RIVER KANS	373834	0960333	020	073	SW	585.00		1940		B				USCE	
11070102	OTTER C AT CLIMAX, KS	374230	0961330	020	073	SW	129.00		1947	1978	R			R	USGS	D
11070102	FALL R NR FALL RIVER, KS	373834	0960333	020	073	SW	585.00		1958	1978	R			R	USGS	D
11070102	FALL R AT FREDONIA, KS	373030	0955000	020	205	SW	827.00	014	1942	1976	A	E		A	USGS	D
11070103	BIG HILL C NR CHERRYVALE KANS	371600	0952805	020	099	SW	37.00		1958		M				USCE	
11070103	VERDIGRIS R AT INDEPENDENCE, KS	371326	0954043	020	125	SW	2892.00	014	1957	1975	E	E		E	USGS	D

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11070103	BIG HILL C NR CHERRYVALE, KS	371600	0952805	020	099	SW	37.00		1959	1978	H			H	USGS	D
11070103	VERDIGRIS RIVER NR S COFFEYVILLE, OK	365918	0953545	040	105	SW		004	1952	1978	E			E	USGS	D
11070103	E F BIG C NR HOLLOW, OK	365406	0952134	040	035	SW	14.40	004	1979		F			F	USGS	D
11070104	ELK R AT ELK FALLS, KS	372232	0961107	020	049	SW	220.00		1962		A			A	USGS	D
11070104	ELK R BL ELK CITY LK, KS	371646	0954653	020	125	SW	634.00		1967	1978	F			F	USGS	D
11070105	VERDIGRIS R NR CLAREMORE OK	361826	0954152	040	131	SW	6534.00	014	1947	1979	O				USCE	
11070105	VERDIGRIS RIVER NR SAGEEYAH, OK	362330	0954015	040	131	SW	4042.00	004	1944	1959	M				USGS	
11070105	VERDIGRIS RIVER NR INOLA, OK	360943	0953707	040	131	SW	7911.00		1946		O				USGS	D
11070105	NEWT GRAHAM LOCK AND DAM NR INOLA, OK	360329	0953206	040	131	SW		001	1970		R	R		R	USGS	D
11070106	CANEY R NR ELGIN KANS	370013	0961854	020	019	SW	445.00		1940		B				USCE	
11070106	DOUBLE CREEK SWS 5 NR RAMONA, OK	363050	0955625	040	147	SW	2.39	014	1964	1969	M	M			USGS	P
11070201	NEOSHO R NR AMERICUS, KS	382801	0961501	020	111	SW	622.00	014	1963	1975	A			A	USGS	D
11070205	NEOSHO R NR PARSONS, KS	371839	0950637	020	099	SW	4905.00	014	1958		K			K	USGS	D
11070205	LIMESTONE C NR BEULAH, KS	372412	0945316	020	037	SW	12.00	004	1976		A			A	USGS	D
11070205	LIGHTNING C NR MCCUNE, KS	371654	0950156	020	021	SW	197.00	004	1940		N			N	USGS	D
11070205	DEER C NR WEST MINERAL, KS	371537	0945731	020	021	SW	1.50		1976		A			A	USGS	D
11070205	DEER C NR HALLOWELL, KS	371350	0945941	020	021	SW	7.00		1976		K			K	USGS	D
11070205	DEER C NR OSWEGO, KS	371203	0950259	020	021	SW	12.00		1976		A			A	USGS	D
11070205	LIGHTNING C NR OSWEGO, KS	371049	0950411	020	021	SW	250.00		1976		R			R	USGS	D
11070205	CHERRY C NR WEST MINERAL, KS	371414	0945504	020	021	SW	27.00		1976		K			K	USGS	D
11070205	L CHERRY C NR WEST MINERAL, KS	371331	0945013	020	021	SW	34.00		1976		K			K	USGS	D
11070205	CHERRY C NR HALLOWELL, KS	370946	0945943	020	021	SW	90.00		1905		K			K	USGS	D
11070205	NEOSHO R AT CHETOPA, KS	370210	0950450	020	099	SW		014	1972	1979	A			A	USGS	D
11070205	CHERRY C 3 MILES W OF FAULKNER, KS	370530	0950259	020	021	SW			1976	1979	A			A	USGS	D
11070205	CENTER C 6.5 MILES SW OF HALLOWELL, KS	370618	0950127	020	021	SW			1978	1979	A			A	USGS	D
11070205	CHERRY C 2 MILES W OF FAULKNER, KS	370621	0950249	020	021	SW			1976	1979	A			A	USGS	D
11070205	TR TO CHERRY C 5.5 MILES NE OF HALLOWELL, KS	370802	0945652	020	021	SW			1978	1979	A			A	USGS	D
11070205	CHERRY C 4.5 MILES SW OF HALLOWELL, KS	370803	0950136	020	021	SW			1978	1979	A			A	USGS	D
11070205	NEOSHO R 2 MILES E OF OSWEGO, KS	370957	0950344	020	021	SW			1976	1979	A			A	USGS	D
11070205	DENNY B C 2 MILES E OF HALLOWELL, KS	371020	0945727	020	021	SW			1978	1979	A			A	USGS	D
11070205	CHERRY C 2 MILES NE OF HALLOWELL, KS	371132	0945818	020	021	SW			1978	1979	A			A	USGS	D
11070205	CHERRY C 3 MILES NE OF HALLOWELL, KS	371222	0945731	020	021	SW			1976	1979	A			A	USGS	D
11070205	TR TO L CHERRY C 6.5 MILES S OF WEST MINERAL	371310	0945308	020	021	SW			1978	1979	A			A	USGS	D
11070205	TR TO L CHERRY C 7.5 MI SE OF WEST MINERAL,	371323	0945212	020	021	SW			1978	1979	A			A	USGS	D

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11070205	TR TO TR TO L CHERRY C 5.5 MI S OF W MINERAL	371323	0945341	020	021	SW			1978	1979	A			A	USGS	D
11070205	L CHERRY C 4 MILES SE OF WEST MINERAL, KS	371414	0945241	020	021	SW			1976	1979	A			A	USGS	D
11070205	TR TO CHERRY C 1.5 MILES S OF WEST MINERAL.	371502	0945511	020	021	SW			1978	1979	A			A	USGS	D
11070205	CHERRY C 2 MILES SE OF WEST MINERAL, KS	371514	0945417	020	021	SW			1976		A			A	USGS	D
11070205	TR TO CHERRY C 2 MILES S OF WEST MINERAL, KS	371554	0945447	020	021	SW			1978	1979	A			A	USGS	D
11070205	L CHERRY C 2 MILES SW OF SCAMMON, KS	371600	0945020	020	021	SW			1976		A			A	USGS	D
11070205	CHERRY C 2 MILES E OF WEST MINERAL, KS	371652	0945318	020	021	SW			1976	1979	A			A	USGS	D
11070205	L CHERRY C 1.5 MILES NE OF SCAMMON, KS	371738	0944828	020	021	SW			1978	1979	A			A	USGS	D
11070205	CHERRY C 4 MILES NE OF WEST MINERAL, KS	371805	0945206	020	021	SW			1978		A			A	USGS	D
11070206	NEOSHO RIVER NR COMMERCE, OK	365543	0945726	040	115	SW	5876.00	014	1944		O				USGS	D
11070207	SECOND COW C AT PITTSBURG, KS	372349	0944430	020	037	SW	60.00		1977		A	A		A	USGS	D
11070207	FIRST COW C AT FRONTENAC, KS	372625	0944254	020	037	SW	30.00		1976		A	A		S	USGS	D
11070207	EAST COW C AT FRONTENAC, KS	372718	0943848	020	037	SW	7.50		1976		S			S	USGS	D
11070207	EAST COW C NR PITTSBURG, KS	372204	0944030	020	037	SW	43.00		1976		K			K	USGS	D
11070207	COW C NR WEIR, KS	371835	0944048	020	021	SW	170.00		1975		K	A		K	USGS	D
11070207	BRUSH C NR WEIR, KS	371832	0944219	020	021	SW	30.00		1976		A			A	USGS	D
11070207	CENTER CREEK NEAR FIDELITY, MO	370618	0941840	029	097	SW		004	1976	1976	A			A	USGS	D
11070207	CENTER CREEK NEAR SMITHFIELD, MO.	370920	0943610	029	097	SW		004	1964		A			A	USGS	D
11070207	TURKEY CREEK AT DUNWEG, MO	370425	0942449	029	097	SW			1976	1976	A			A	USGS	D
11070207	TURKEY CREEK NEAR JOPLIN, MO	370715	0943455	029	097	SW	41.80	023	1963		A			A	USGS	D
11070207	SPRING RIVER NR QUAPAW, OK	365604	0944445	040	115	SW	2510.00	014	1944		O				USGS	
11070207	WILLOW C AT BAXTER SPRINGS, KS	370225	0944426	020	021	SW			1976		A			A	USGS	D
11070207	SHORT C AT GALENA, KS	370503	0943822	020	021	SW			1976		A			A	USGS	D
11070207	COW C NR LAWTON, KS	371320	0943911	020	021	SW			1976		A			A	USGS	D
11070208	ELK RIVER NR TIFF CITY, MO	363750	0943512	029	119	SW	872.00	004	1946		O				USGS	D
11070209	NEOSHO R NR WAGONER OK	355600	0951600	040	021	SW	12307.00	004	1947	1975	O				USCE	
11070209	BIG CABIN C NR WELCH, OK	365409	0951033	040	035	SW	28.10	004	1979		F			F	USGS	D
11070209	W F BIG CABIN C NR CENTRALIA, OK	364711	0951611	040	035	SW	13.10	004	1979		F			F	USGS	D
11070209	M F BIG CABIN C NR PYRAMID CORNERS, OK	364618	0951425	040	035	SW	13.40	004	1979		F			F	USGS	D
11070209	NEOSHO RIVER BLW FT GIBSON LAKE NR FT GIBSON	355115	0951345	040	021	SW	12495.00		1977		K	K			USGS	D
11070209	NEOSHO R BL FT GIBSON LK NR FT GIBSON	355115	0951345	040	021	SW			1977		M	M	M		USGS	D
11080001	CANADIAN RIVER NEAR HEBRON, NM	364714	1042742	035	007	SW	229.00	014	1966		F			F	USGS	D
11080001	CHICORICA CREEK NEAR HEBRON, NM	364613	1042345	035	007	SW	381.00	004	1949		C	C			USGS	P
11080001	VERMEJO RIVER NEAR DAWSON, NM	364050	1044708	035	007	SW	301.00	004	1964		E			E	USGS	D

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11080003	CANADIAN R NR TAYLOR SPRINGS, NM	361749	1042936	035	007	SW	2850.00	014	1966	1975	H	N		H	USGS	D
11080003	CANADIAN RIVER NEAR SANCHEZ, NM	353908	1042239	035	047	SW	6015.00	014	1938		E	E		E	USGS	D
11080006	CANADIAN RIVER ABOVE NM-TX STATE LINE, NM	352324	1030236	035	037	SW		004	1969		N	N		N	USGS	D
11080008	REVUELTO CREEK NEAR LOGAN, NM	352028	1032340	035	037	SW	786.00	014	1958		E	E		E	USGS	D
11090105	CANADIAN RIVER NR AMARILLO, TEX.	352813	1015245	048	375	SW	19445.00	124	1948		2			2	USGS	D
11090106	BRIDGE ON US 60-83 AT CANADIAN	355600	1002212	048	211	SW			1968		A	A		A	TX001	D
11090106	CANADIAN R NR CANADIAN, TX	355606	1002213	048	211	SW	22866.00	124	1967		M	M		M	USGS	D
11090201	CANADIAN RIVER AT BRIDGEPORT, OK	353400	0982245	040	011	SW	25229.00	014	1947		O				USGS	D
11090202	CANADIAN RIVER NR NEWCASTLE, OK	351803	0973554	040	087	SW	25763.00	014	1975	1975	M				USGS	
11090202	CANADIAN RIVER AT CALVIN, OK	345832	0961424	040	063	SW	27952.00	014	1965		K	K		A	USGS	D
11090203	LITTLE RIVER BLW LK THUNDERBIRD NR NORMAN, O	351314	0971300	040	027	SW	257.00	014	1953		2			2	USGS	D
11090203	LITTLE RIVER NR SASAKWA, OK	345902	0963301	040	133	SW	865.00	014	1951		A	A			USGS	D
11090204	CANADIAN R NR WHITEFIELD OK	351545	0951419	040	061	SW	47576.00	014	1944		O				USCE	
11090204	BRUSHY CREEK NR HAILEYVILLE OK	344805	0953916	040	121	SW	139.00	004	1978		N	N		X	USGS	D
11090204	PEACEABLE CREEK NR HAILEYVILLE OK	345107	0953915	040	121	SW	134.00	004	1978		N	N		N	USGS	D
11090204	BLUE CREEK TRIB NEAR BLOCKER OK	350225	0953415	040	121	SW	7.36	004	1978		K	K		A	USGS	D
11090204	BLUE CREEK TRIB NR BLOCKER, OK	350224	0953419	040	121	SW	.22	004	1976		A	A		A	USGS	D
11090204	BLUE CREEK NR BLOCKER, OK	350226	0953421	040	121	SW	12.10	004	1976		M	M			USGS	D
11090204	DEER CREEK NR MCALESTER OK	345658	0955100	040	121	SW	38.30	004	1978		O	Q		O	USGS	D
11090204	MATHULDY CREEK NR CROWDER, OK	350417	0953647	040	121	SW	5.41	004	1976		N	N			USGS	D
11090204	CANADIAN RIVER NR WHITEFIELD, OK	351545	0951419	040	061	SW	47576.00		1977		R	R			USGS	D
11090204	TALOKA CREEK AT STIGLER OK	351609	0950549	040	061	SW	3.98	004	1978		R	R		R	USGS	D
11090204	TALOKA CREEK NEAR STIGLER OK	351746	0950756	040	061	SW	20.10	004	1978		N	N		S	USGS	D
11100101	BEAVER RIVER NR GUYMON, OK	364324	1012930	040	139	SW	2139.00		1951		E	E		E	USGS	D
11100102	BEAVER RIVER AT BEAVER, OK	364920	1003105	040	007	SW	7955.00	004	1961		N	N		E	USGS	D
11100203	WOLF C LIPSCOMB			040		SW			1977		M	M	M		USGS	P
11100301	NORTH CANADIAN RIVER AT WOODWARD, OK	362618	0991640	040	153	SW	11589.00	014	1955		E	E		E	USGS	D
11100302	NORTH CANADIAN RIVER NR WETUMKA, OK	351553	0961225	040	063	SW	14290.00	014	1951		K	K		A	USGS	D
11100303	DEEP FORK NR ARCADIA, OK	353858	0972100	040	109	SW	105.00	004	1968		A	A			USGS	D
11100303	BELLCOW CREEK AT CHANDLER, OK	354208	0965320	040	081	SW	46.00	004	1947		O				USGS	
11100303	DRY CREEK NR KENDRICK, OK	354655	0965120	040	081	SW	69.00	004	1960	1974	E	E		E	USGS	D
11100303	DEEP FORK NR BEGGS, OK	354015	0960408	040	111	SW	2018.00	004	1951		K	K		A	USGS	D
11100303	DEEP FORK NEAR DEWAR, OK	352843	0955257	040	091	SW	2307.00	004	1947	1975	O				USGS	
11110101	ARKANSAS R AT TULSA OK	360837	0960013	040	143	SW	74615.00	014	1960	1977		R		N	USCE	D

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11110101	ARKANSAS R NR TULLAHASSEE OK	354815	0952410	040	101	SW	75815.00	014	1969	1972	M				USCE	
11110101	ARKANSAS RIVER AT SAND SPRINGS NR TULSA, OK	360648	0960649	040	143	SW	74615.00		1945	1977	Q	Q		E	USGS	D
11110101	ARKANSAS RIVER AT TULSA, OK	360837	0960013	040	143	SW	74615.00		1977		K	K		A	USGS	D
11110102	ARKANSAS R NR MUSKOGEE OK	354610	0951755	040	101	SW	96674.00	014	1943	1979	E				USCE	
11110104	ARKANSAS R NR SALISAW OK	352058	0944616	040	079	SW	147757.00	014	1957	1969	W				USCE	
11110104	ARKANSAS R AT VAN BUREN ARK	352542	0942137	005	033	SW			1944		O	E			USCE	
11110104	LITTLE SANS BOIS CREEK NR STIGLER, OK	352016	0950030	040	061	SW		004	1979		O	Q		O	USGS	D
11110104	SANS BOIS CREEK NR QUINTON, OK	350608	0952103	040	121	SW		004	1979		O	Q		O	USGS	D
11110104	MULE CREEK NR MCCURTAIN, OK	351013	0945955	040	061	SW		004	1979		O	Q		O	USGS	D
11110104	ARKANSAS RIVER NR SALLISAW, OK	352058	0944816	040	135	SW	147757.00		1952	1971	E			E	USGS	D
11110104	COAL CREEK NR SPIRO OK	351511	0944518	040	079	SW		004	1978		N	N		K	USGS	D
11110104	ARKANSAS RIVER AT VAN BUREN, ARK.	352546	0942126	005	133	SW	150482.00	014	1944		E				USGS	P
11110105	POTEAU RIVER AT CAUTHRON, ARK.	345508	0941755	005	127	SW	203.00	014	1945		A	A			USGS	D
11110105	FOURCHE MALINE NR WILBURTON OK	345525	0951510	040	077	SW	56.20	004	1978		N	N		R	USGS	D
11110105	FOURCHE MALINE RIVER NR RED OAK, OK	345444	0950920	040	077	SW	122.00		1979		A	A			USGS	D
11110105	RED OAK CREEK NR RED OAK OK	345623	0950158	040	077	SW	12.80	004	1978		N	N		K	USGS	D
11110105	CASTON CREEK AT WISTER OK	345727	0944418	040	079	SW	72.90	004	1978		K	K		N	USGS	D
11110105	MORRIS CREEK AT HOWE OK	345734	0943745	040	079	SW	19.40	004	1978		N	N		N	USGS	D
11110105	SUGARLOAF CREEK NR MONROE OK	350020	0943121	040	079	SW	53.60	004	1978		N	N		N	USGS	D
11110105	BRAZIL CREEK NEAR RED OAK OK	345933	0950706	040	077	SW	2.74	004	1978		K	K		S	USGS	D
11110105	ROCK CREEK NEAR RED OAK OK	345930	0950452	040	077	SW	12.00	004	1978		K	K		R	USGS	D
11110105	BRAZIL CREEK NEAR WALLS OK	350121	0945639	040	077	SW	69.10	004	1978		K	K		R	USGS	D
11110105	WILDHORSE CREEK NR MCCURTAIN, OK	350834	0945536	040	079	SW		004	1979		O	Q		O	USGS	D
11110105	OWL CREEK NR MCCURTAIN OK	340740	0945303	040	079	SW	27.90	004	1978		N	N		R	USGS	D
11110105	WOLF CREEK NR MCCURTAIN, OK	350750	0945206	040	079	SW		004	1979		O			O	USGS	D
11110105	DOE CREEK NR BOKOSHE, OK	351035	0944612	040	079	SW		004	1979		D	Q		O	USGS	D
11110105	JAMES FORK NEAR HACKETT, ARK.	350945	0942425	005	131	SW	147.00	004	1960		Q	Q			USGS	D
11110105	JAMES FORK NR WILLIAMS, OK	350930	0943401	040	079	SW	198.00	004	1976		K	K		A	USGS	D
11110105	COAL CREEK NR BOKOSHE, OK	351130	0944319	040	079	SW	1.26	004	1976		K	K		A	USGS	D
11110105	COAL CREEK NR PANAMA, OK	351108	0944023	040	079	SW	6.67	004	1976		N	N		A	USGS	D
11110105	HOLI-TUSKA CREEK NR PANAMA OK	351246	0944021	040	079	SW	4.39	004	1978		N	N		N	USGS	D
11110201	HARTMAN - CLARKSVILLE	352600	0933600	005	071	SW			1968		B				AR001	
11110201	MULBERRY R NR MULBERRY ARK	353400	0940100	005	047	SW			1940		B				USCE	
11110201	ARKANSAS R AT OZARK ARK	352902	0934956	005	047	SW			1930		M	E			USCE	

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11110201	ARKANSAS R. AT DAM NO. 13, NR VAN BUREN, ARK	352056	0941754	005	131	SW	150547.00	014	1947		0	H		0	USGS	D
11110201	ARK RIVER AT OZARK DAM AT OZARK, ARK.	352821	0934846	005	047	SW			1973		2			2	USGS	D
11110202	KNOXVILLE-CLARKSVILLE	352200	0932000	005	071	SW			1968		B				AR001	
11110202	SPADRA C AT CLARKSVILLE ARK	352800	0932800	005	071	SW			1961		B				USCE	
11110202	ILLINOIS BAYOU NR SCOTTSVILLE ARK	352800	0930200	005	115	SW			1958		B				USCE	
11110202	SIXMILE C SWS 6 NR CHISMVILLE ARK	351230	0935255	005	083	SW	3.91	014	1958	1967	2	R		2	USGS	D
11110203	ARKANSAS R AT DARDANELLE ARK	351334	0930858	005	115	SW			1948		B	E			USCE	
11110203	ARKANSAS RIVER AT DARDANELLE, ARK.	351334	0930858	005	115	SW	153670.00	014	1947		0			0	USGS	D
11110204	PETIT JEAN C NR BOONEVILLE ARK	350625	0935525	005	083	SW			1939		W	E			USCE	
11110204	DUTCH C AT WALTREAK ARK	345900	0933700	005	149	SW			1946		B				USCE	
11110206	FOURCHE LA FAVE R NR GRAVELLY ARK	345200	0933900	005	149	SW			1939		B				USCE	
11110206	CEDAR CREEK	343503	0934542	005	097	SW			1977		A				USFS	D
11110207	ARKANSAS R AT LITTLE ROCK ARK	344458	0921610	005	119	SW			1939		M	E			USCE	
11110207	ARK RIV AT MURRAY DAM, NR LITTLE ROCK, ARK	344727	0922132	005	119	SW	158030.00	014	1973		0			0	USGS	D
11110207	ARKANSAS R @ DAVID D TERRY L&D BL LITTLE ROC	344007	0920918	005	119	SW	158288.00	014	1947		E	E		E	USGS	D
11120103	PDTF RED RIVER NEAR WAYSIDE, TEX.	345015	1012449	048	011	SW	4211.00	014	1967		M	M		M	USGS	D
11120103	PRAIRIE DOG TOWN FORK RED R NR BRICE TEX (DI	343740	1005625	048	191	SW	5972.00	004	1948	1975	2			2	USGS	D
11120103	MULBERRY CREEK NEAR BRICE, TEX.(DISC)	344030	1005500	048	191	SW	534.00	004	1948	1975	2			2	USGS	D
11120105	POT F RED R NEAR LAKEVIEW	343423	1004443	048	191	SW			1964		0				TX001	C
11120105	PDTF RED RIVER NR LAKEVIEW, TEX.	343423	1004443	048	191	SW	6792.00	004	1967		0	M		0	USGS	D
11120105	LITTLE RED RIVER NEAR TURKEY, TEX.	343227	1004613	048	191	SW	139.00	004	1967		0	M		0	USGS	D
11120105	JONAH CREEK AT WEIR NEAR ESTELLINE, TEX	343420	1002000	048	075	SW	65.50	004	1974		M	M			USGS	D
11120105	SALT CREEK NEAR ESTELLINE, TX (DISC)	343526	1001508	048	075	SW	142.00	004	1974		E	E		E	USGS	D
11120105	PDTF RED RIVER NR CHILDRESS, TEX.	343409	1001137	048	075	SW	7725.00		1967		M	M			USGS	D
11120202	BRIDGE ON US 83 NORTH OF WELLINGTON	345727	1001314	048	087	SW			1968		A	A		A	TX001	D
11120202	SALT FORK RED RIVER NR WELLINGTON, TX	345727	1001314	048	087	SW	1222.00		1952		E	E		E	USGS	D
11120202	SALT FORK RED RIVER AT MANGUM, OK	345132	0993028	040	055	SW	1566.00	004	1945		0				USGS	
11120202	SALT FORK RED RIVER NR ELMER OK	342844	0992255	040	065	SW	1878.00	004	1978		M			M	USGS	D
11120302	NORTH FORK RED RIVER NR CARTER, OK	351005	0993025	040	009	SW	2337.00	004	1948		0				USGS	D
11120303	ELK CREEK NR HOBART, OK	345451	0990649	040	075	SW	549.00	004	1948		2			2	USGS	D
11120303	NORTH FORK RED RIVER NR HEADRICK, OK	343804	0990547	040	141	SW	4244.00		1926		E	E		E	USGS	D
11130102	RED RIVER NR BURKBURNETT, TX	340630	0983200	048	485	SW	20570.00	004	1967		M	M		M	USGS	D
11130103	NORTH PEASE RIVER NEAR CHILDRESS, TEXAS	341630	1001705	048	101	SW	1434.00	004	1972		M	M			USGS	D
11130104	MIDDLE PEASE RIVER NEAR PADUCAH, TEXAS	341231	1001803	048	101	SW	1086.00	004	1972			M			USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
11130105	PEASE RIVER NEAR CHILDRESS, TEX.	341339	1000424	048	101	SW	2754.00	004	1967		M	M		M	USGS	D
11130201	EAST FORK LITTLE WICHITA R NEAR HENRIETTA, T	334846	0980505	048	077	SW	178.00	004	1952		M	M		M	USGS	D
11130201	RED RIVER NR GAINESVILLE, TX	334340	0970935	040	085	SW	30782.00		1943		K	K			USGS	D
11130204	M PEASE R AT PL XING N PADUKAH	341128	1001238	048	101	SW	1128.00	004	1979		M	M		M	USGS	D
11130204	NORTH WICHITA RIVER NEAR PADUCAH, TEX.	335702	1000352	048	101	SW	540.00	004	1966	1979	M	M		M	USGS	D
11130204	NORTH WICHITA RIVER NEAR TRUSCOTT, TEX.	334914	0994710	048	275	SW	937.00	004	1966		M	M		M	USGS	D
11130205	SOUTH WICHITA RIVER @ ROSS RANCH NR BENJAMIN	333918	1000049	048	269	SW	499.00	004	1969		M	M		M	USGS	D
11130205	SOUTH WICHITA RIVER NEAR BENJAMIN, TEX.	333839	0994802	048	275	SW	584.00	004	1966		A	A		A	USGS	D
11130206	WICHITA RIVER NR SEYMOUR, TEX.	334201	0992318	048	023	SW	1874.00	004	1966		M	M		M	USGS	D
11130206	WICHITA RIVER AT WICHITA FALLS, TEX.	335434	0983200	048	485	SW	3140.00	124	1966	1975	M	M		M	USGS	D
11130206	LITTLE WICHITA RIVER NEAR ARCHER CITY, TEX.	333945	0983646	048	009	SW	481.00	124	1953	1975	M	M		M	USGS	D
11130207	BEAVER CREEK NR ELECTRA, TEX.	335421	0985417	048	485	SW	652.00	014	1966	1975	M	M		M	USGS	D
11130208	BEAVER CREEK NR WAURIKA, OK	341300	0980257	040	067	SW	563.00	004	1954		2			2	USGS	D
11130210	MINERAL CREEK NEAR SADLER, TEX.(DISC)	334208	0965051	048	181	SW	26.00	024	1968	1976	E	E		E	USGS	D
11130302	WASHITA RIVER NR FOSS, OK	353220	0991010	040	039	SW	1551.00	014	1920		0				USGS	D
11130302	BARNITZ CREEK NR ARAPAHO, OK	353450	0990235	040	039	SW	243.00	014	1947	1955	0				USGS	
11130302	WASHITA RIVER NR CLINTON, OK	353152	0985757	040	039	SW	1977.00	014	1959	1975	0				USGS	
11130302	WASHITA RIVER AT CARNEGIE, OK	350702	0983349	040	015	SW	3129.00	014	1909		0				USGS	D
11130302	COBB CREEK NR FORT COBB, OK	350815	0982545	040	015	SW	313.00	014	1946	1963	0				USGS	
11130302	SUGAR CREEK NR GRACEMONT, OK	351030	0981520	040	015	SW	208.00		1962	1974	E	E		E	USGS	D
11130302	EAST BITTER CREEK NR TABLER, OK	350238	0974928	040	051	SW	35.20		1960	1977	M	E		M	USGS	D
11130302	LITTLE WASHITA RIVER NR NINNEKAH, OK	345641	0975708	040	051	SW	208.00	024	1948	1977	F	F		F	USGS	D
11130302	WASHITA RIVER NR TABLER, OK	345818	0975221	040	051	SW	4706.00	004	1945	1975	0				USGS	
11130303	WASHITA R NR DOUGHERTY OKLA	342700	0970600	040	099	SW			1964	1972	0				USCE	
11130303	WASHITA RIVER NR DURWOOD, OK	341403	0965832	040	019	SW	7202.00		1941		0				USGS	D
111349 D	RED R AT DENISON DAM NR DENISON TX	334908	0963347	048	181	SW	39720.00	124	1944		M	M			USCE	D
11135O E	RED RIVER NR QUANAH, TX	342447	0994403	048	197	SW	8321.00	004	1959		M	M			USGS	D
11140101	RED RIVER AT DENISON DAM NR DENISON, TX	334908	0963347	048	181	SW	39720.00	124	1944		M	M		M	USGS	D
11140103	MUDDY BOGGY C NR FARRIS OK	341617	0955443	040	005	SW	1087.00	014	1947	1979	0				USCE	
11140103	COAL CREEK NEAR LEHIGH OK	342706	0961356	040	029	SW		004	1978		0				USGS	D
11140103	MUDDY BOGGY CREEK AT ATOKA OK	342323	0960712	040	005	SW	445.00	004	1978		X	X		N	USGS	D
11140103	MCGEE CREEK NR FARRIS OK	341854	0955230	040	005	SW	176.00		1976		K	K			USGS	D
11140103	01S-10E-21DCD 3 COAL CK TRIB NR TOWN OF LEHI	342652	0961522	040	029	SW			1977		S	S		A	USGS	D
11140103	01S-10E-16CCD 1 COAL CK TRIBUTARY	342743	0961547	040	029	SW			1977		S	S		S	USGS	D

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11140105	KIAMICHI R NR BELZONI OK	341202	0952903	040	127	SW	1423.00	004	1947	1963	O				USCE	
11140105	KIAMICHI RIVER NR BIG CEDAR, OK	343818	0943645	040	079	SW	40.10	004	1965		A	A		E	USGS	D
11140106	LITTLE PINE CREEK NEAR KANAWHA, TEX.	335026	0951555	048	387	SW	75.40	004	1968		M	M		M	USGS	D
11140107	LITTLE RIVER NR IDABEL, OK	335608	0944934	040	089	SW	1173.00	004	1947	1954	O				USGS	
11140108	MOUNTAIN FK NR EAGLETON OK	340230	0943715	040	089	SW	787.00	014	1947	1979	O				USCE	
11140109	LITTLE RIVER AT MILLWOOD DAM NR ASHDOWN, ARK	334128	0935753	005	081	SW	4119.00		1967		A	A			USGS	D
11140201	RED RIVER AT FULTON, ARK.	333626	0934856	005	057	SW	52300.00		1965	1974	H			H	USCE	D
11140201	RED RIVER NR HOSSTON, LA	333626	0934920	005	017	SW			1957		W	W	5		USCE	C
11140201	RED RIVER AT FULTON, ARK.	333626	0934849	005	081	SW	52336.00	014	1945		K			K	USGS	D
11140202	RED RIVER AT SHREVEPORT, LA.	323104	0934433	022	015	SW	60613.00	014	1907	1971				O	USGS	D
11140204	RED R AT SHREVEPORT LA	323055	0934425	022	017	SW	60613.00		1962		M		M		USCE	C
11140204	LOGGY BAYOU NR NINOCK, LA	321410	0932535	022	013	SW	2628.00	004	1954		K	K			USGS	D
11140206	BAUOU PIERRE BELOW CASPIANA	321131	0933316	022	017	SW			1979		K	K			USGS	D
11140206	BAYOU PIERRE AT EVELYN	315920	0932630	022	031	SW	707.00		1978		N	N			USGS	D
11140206	CHEMARD LAKE NR EVELYN	315622	0932705	022	031	SW			1978		R	R		R	USGS	D
11140207	RED RIVER AT COLFAX, LA.	313058	0924313	022	069	SW	66860.00		1972	1974	W			W	USCE	D
11140207	RED RIVER AT COLFAX, LA (CE 04450)	313058	0924313	022	043	SW	66860.00		1974	1979	O				USGS	D
11140209	GRAND BAYOU NEAR COUSHATTA, LOUISIANA	320255	0931810	022	081	SW	93.90	004	1955		K	K			USGS	D
11140302	SULPHUR R NR TALCO	332320	0950750	048	449	SW			1962		O				TX001	C
11140302	SULPHUR R NR NAPLES TEX	331500	0943600	048	037	SW	2774.00		1973	1974	B				USCE	C
11140302	SULPHUR RIVER NR TEXARKANA, TEX.	331815	0940907	048	067	SW	3400.00		1973	1974	B				USCE	C
11140302	SULPHUR RIVER SOUTH OF TEXARKANA, ARK.	331432	0935958	005	091	SW	3540.00		1972		A	A			USGS	D
11140303	WHITE OAK C NR TALCO	331900	0950500	048	449	SW			1963		O				TX001	C
11140304	TWELVEMILE BAYOU NEAR DIXIE, LA.	323845	0935240	022	017	SW	3137.00	014	1944		K	K		K	USGS	D
11140305	CYPRESS CREEK NR DAINGERFIELD, T	325419	0944316	048	343	SW			1973	1974	B				USCE	C
11140306	CYPRESS CREEK NR JEFFERSON, TEX.	324450	0943008	048	315	SW	850.00		1973	1974	B				USCE	C
111449 H	RED RIVER NEAR DE KALB, TEX.	334115	0944139	048	037	SW	47348.00	014	1968		M	M		M	USGS	D

TEXAS-GULF REGION 12

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
120051 C	SABINE RIVER NR BON WEIR, TEX.	304449	0933630	048	351	SW	8229.00		1960		Z	Z	Z	Z	USGS	P
12010002	SABINE R NR TATUM TEX	322211	0942728	048	401	SW			1968		O				TX001	C
12010004	SABINE R AT LOGANSPORT LA	315844	0940058	022	031	SW			1932	1968	O				TX001	C
12010004	BAYOU SAN PATRICIO NEAR BENSON, LA.	315230	0933930	022	031	SW	80.20	004	1955		R	R		R	USGS	D
12010005	SABINE RIVER NR RULIFF, TEX.	301813	0934437	048	351	SW	9329.00	014	1944		M	M		M	USGS	D
12010005	COW BAYOU NEAR MAURICEVILLE, TEXAS	301110	0935430	048	361	SW	83.30	004	1951	1979	R			R	USGS	D
12020001	KICKAPOO C NR BROUNSBORO	321834	0953619	048	213	SW			1962		O				TX001	C
12020001	NECHES RIVER NEAR ALTO, TEX.	313445	0950955	048	073	SW	1945.00		1958					E	USGS	D
12020002	NECHES R NR DIBOLL	310755	0944830	048	005	SW			1966		O				TX001	C
12020002	PINEY C NR GROVETON	310830	0950510	048	455	SW			1962		O				TX001	C
12020003	NECHES RIVER AT EVADALE US96	302121	0940530	048	241	SW			1974		E	E		E	TX007	D
12020003	NECHES RIVER AT EVADALE, TEX.	302122	0940536	048	241	SW	7951.00	124	1946		M	M		M	USGS	D
12020005	BAYOU LA NANA AT NACOGDOCHES	313658	0943828	048	347	SW			1965		O				TX001	C
12030101	WEST FORK TRINITY RIVER NEAR JACKSBORO, TEXA	331736	0980443	048	237	SW	683.00	004	1976	1979		M			USGS	D
12030101	BIG SANDY CR NR BRIDGEPORT TEX	331354	0974140	048	497	SW	333.00	124	1964	1978	2	K		2	USGS	D
12030102	MOUNTAIN CREEK NEAR CEDAR HILL, TEX.	323503	0970123	048	113	SW	119.00	004	1974		M	M		M	USGS	D
12030103	LITTLE ELM C NR AUBREY	331700	0965333	048	121	SW			1964	1968	O				TX001	C
12030103	ELM FK TRINITY RIVER NEAR,MUENSTER,TEX. (DIS	333636	0972257	048	097	SW	46.00	014	1856	1973	O	K		O	USGS	D
12030103	ELM FORK TRINITY RIVER NEAR SANGER, TEX.	332311	0970505	048	121	SW	381.00		1961		E	E		E	USGS	D
12030103	ISLE DU BOIS CREEK NEAR PILOT POINT, TEXAS	332423	0970045	048	121	SW	266.00		1961	1975	R	E		R	USGS	D
12030103	CLEAR CREEK NR SANGER, TEX.	332021	0971051	048	121	SW	295.00	014	1966		2	A		2	USGS	D
12030103	LITTLE ELM CR NR CELINA, TEX. (DISC)	332155	0964925	048	085	SW	46.70	014	1965	1975	2	Q		2	USGS	D
12030103	LITTLE ELM CR NR CELINA, TEX. (DISC)	332154	0964925	048	085	SW			1966	1975	A	A		A	USGS	D
12030103	LITTLE ELM CREEK NEAR AUBREY, TEX.	331700	0965333	048	121	SW	75.50	014	1965	1975	2	Q		2	USGS	D
12030103	LITTLE ELM CR NR AUBREY, TEX.(DISC)	331700	0965333	048	121	SW			1962	1974	S	S		S	USGS	D
12030104	DENTON CREEK NEAR JUSTIN, TEXAS	330708	0971725	048	121	SW	400.00	014	1964	1975	R	E		R	USGS	D
12030105	TRINITY R NR ROSSER	322535	0962745	048	257	SW			1938		O				TX001	C
12030105	TRINITY RIVER BELOW DALLAS, TEX.	324227	0964408	048	113	SW	6278.00	123	1967		E	E		E	USGS	D
12030105	TRINITY RIVER NEAR ROSSER, TEXAS	322536	0962744	048	257	SW	8146.00	123	1953		E	E		E	USGS	D
12030105	TRINITY RIVER AT TRINIDAD, TEX.	320805	0960620	048	213	SW	8538.00	124	1966		M	M		M	USGS	D
12030106	DUCK CREEK NEAR GARLAND, TEX.	324959	0963543	048	113	SW	31.60	123	1969	1979	M	M		M	USGS	C
12030107	KINGS CREEK NEAR KAUFMAN, TEX.	323047	0961943	048	257	SW	233.00	124	1976	1979	M	M		M	USGS	C
12030108	PIN OAK CR NR HUBBARD, TEX.(DISC)	314801	0964302	048	293	SW	17.60	014	1908	1971	2	A		2	USGS	D
12030109	CHAMBERS C NR CORSICANA	320630	0962215	048	349	SW			1963		O				TX001	C

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12030201	TRINITY R NR CROCKETT TEX	312020	0953925	048	225	SW			1968		O				TX001	C
12030201	TRINITY RIVER NEAR OAKWOOD, TEX	313854	0954721	048	001	SW	12833.00	124	1946		O	H	R	O	USGS	D
12030201	TRINITY RIVER NR CROCKETT, TEX.	312008	0953927	048	225	SW	13911.00	124	1963		Q	Q		Q	USGS	D
12030202	LONG KING C NR LIVINGSTON	304258	0945731	048	373	SW			1963		O				TX001	C
12030202	TRINITY R AT ROMAYOR, TEXAS	302530	0945102	048	291	SW	17186.00	124	1940		M	M		M	USGS	D
12030203	TRINITY R AT ROMAYOR	302530	0945102	048	291	SW			1936		O				TX001	C
12040101	BRIDGE ON US 75 SOUTH OF CONROE	301436	0952727	048	339	SW			1968		A	A		A	TX001	D
12040101	WEST FORK SAN JACINTO RIVER NR CONROE, TX	301441	0952726	048	339	SW	828.00	004	1960		M	M		M	USGS	D
12040102	PANTHER BRANCH NEAR SPRING , TEX.	300804	0952838	048	339	SW	34.50	004	1972		O	E		O	USGS	D
12040102	SPRING CREEK NEAR SPRING, TEX.(DISC)	300637	0952610	048	201	SW	409.00	004	1962	1975	M	R		M	USGS	D
12040102	CYPRESS CREEK NEAR WESTFIELD, TEXAS	300208	0952544	048	201	SW	285.00	004	1976	1979	M	M		M	USGS	D
12040103	EF SAN JACINTO R NR CLEVELAND	302011	0950614	048	291	SW			1952		O				TX001	C
12040103	CANEY CREEK NEAR SPLENDORA, TEXAS	301534	0951808	048	339	SW	105.00	004	1962	1975	M	A		M	USGS	D
12040104	BUFFALO BAYOU AT WEST BELT DRIVE AT HOUSTON,	294543	0953327	048	201	SW	307.00	013	1978		A	A			USGS	D
12040104	KEEGANS BAYOU AT KEEGAN ROAD NEAR HOUSTON, T	293955	0953542	048	201	SW	5.77	003	1970	1972	E			E	USGS	D
12040104	KEEGANS BAYOU AT ROARK ROAD NEAR HOUSTON, TE	293923	0953343	048	201	SW	11.50	004	1971		E			E	USGS	D
12040104	BRAYS BAYOU AT HOUSTON, TEX.	294149	0952443	048	201	SW	94.90	023	1968		E			E	USGS	D
12040104	GREENS BAYOU NEAR HOUSTON, TEX.	295505	0951824	048	201	SW	69.60	023	1968		R			R	USGS	D
12040203	GALVESTON BAY TRINITY BAY PT B	294420	0944930	048	071	ES			1948		W	M			USCE	P
12040204	CHOCOLATE BAYOU NEAR ALVIN, TEX.	292209	0951914	048	039	SW	87.70	124	1971		M	M		M	USGS	D
12040204	BRAZOS RIVER AT RICHMOND, TEX.	293456	0953158	048	157	SW	45007.00	124	1940		O	H		O	USGS	D
12050004	DOUBLE MOUNTAIN FK BRAZOS R AT JUSTICEBURG,	330218	1011150	048	169	SW	1466.00	014	1974		M	M		M	USGS	D
12050004	DMF BRAZOS RIVER NEAR ASPERMONT, TEX.	330029	1001049	048	433	SW	8796.00	004	1947		M	M		M	USGS	D
12050007	BRIDGE ON US 83 NORTH OF ASPERMONT	332000	1001415	048	433	SW			1968		R	R		N	TX001	D
12050007	SALT FK BRAZOS R NR ASPERMONT, TX	332002	1001424	048	433	SW	5130.00		1947		M	M		M	USGS	D
12050007	STINKING CREEK NEAR ASPERMONT, TEX.	331400	1001247	048	433	SW	88.80	004	1948		M	M		M	USGS	D
12060101	AT US 183-283 AT SEYMOUR	333448	0991606	048	023	SW			1968		K	K		K	TX001	D
12060101	BRAZOS RIVER AT SEYMOUR, TEX.	333451	0991602	048	023	SW	15538.00	004	1958		H	H		H	USGS	D
12060101	MILLERS CREEK NEAR MUNDAY, TEX.	331945	0992753	048	447	SW	104.00	004	1962		A			A	USGS	D
12060102	CLEAR FORK BRAZOS RIVER AT HAWLEY, TEX.	323553	0994853	048	253	SW	1416.00	004	1966		E	E		E	USGS	D
12060103	CALIFORNIA C NR STAMFORD	325550	0993830	048	253	SW			1964		O				TX001	C
12060104	CLEAR F OF BRAZOS R AT ELIASVILLE	325730	0984610	048	503	SW			1966		O				TX001	C
12060104	CLEAR FORK BRAZOS RIVER AT FORT GRIFFIN, TEX	325604	0991327	048	417	SW	3988.00	124	1948		2			2	USGS	D
12060105	HUBBARD CREEK NEAR ALBANY, TEX. (DISC)	324121	0990952	048	417	SW	454.00		1962	1975	Q	Q	Q		USGS	D

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12060105	SALT PRONG HUBBARD CR AT 380 NR MORAN,TEX.(D	324101	0991605	048	417	SW	61.00		1963	1975	E	E	E		USGS	D
12060105	NORTH FORK HUBBARD CREEK NR ALBANY, TEX.	324227	0991629	048	417	SW	39.30	004	1961		E	E		E	USGS	D
12060105	SNAILUM CREEK NR ALBANY, TEX. (DISC)	324327	0991055	048	417	SW			1963	1975	E	E		E	USGS	D
12060105	BIG SANDY CREEK NR BRECKENRIDGE, TEX.(DISC)	323952	0990001	048	429	SW	288.00	014	1960	1975	E	E		E	USGS	D
12060201	BRAZOS R NR SOUTH BEND	330130	0983850	048	503	SW			1942		O				TX001	C
12060201	BRAZOS R AT POSSUM KINGDOM DAM	325200	0982600	048	363	SW			1942		O				TX001	C
12060201	BRAZOS RIVER NEAR SOUTH BEND,TEXAS	330127	0983837	048	503	SW	22673.00	124	1964		M	M		M	USGS	D
12060202	AQUILLA C NR AQUILLA	315040	0971206	048	217	SW			1963		O				TX001	C
12060204	N BOSQUE R AT HICO	315839	0980205	048	193	SW			1962		O				TX001	C
12070101	BRAZOS RIVER NR HIGHBANK, TEX.	310802	0964929	048	145	SW	30436.00	124	1966		M	M		M	USGS	D
12070101	LITTLE POND CREEK AT BURLINGTON, TEX.	310135	0965917	048	331	SW	23.00	004	1966	1975	M	M		M	USGS	D
12070101	EAST YEGUA CREEK NEAR DIME BOX, TEX.	302422	0964903	048	051	SW	244.00	004	1966	1975	M	M		M	USGS	D
12070102	YEGUA C NR SOMERVILLE	301918	0963027	048	051	SW			1962		O				TX001	C
12070102	DAVIDSON CREEK NEAR LYONS, TEX.	302511	0962725	048	051	SW	195.00	004	1966	1975	M	Q		M	USGS	D
12070103	NAVASOTA R NR EASTERLY	311010	0961755	048	395	SW			1942		O				TX001	C
12070103	NAVASOTA RIVER NR BRYAN, TEX.	305210	0961132	048	041	SW	1454.00	024	1957		M	H		O	USGS	D
12070104	MILL CREEK NR BELLVILLE, TX	295251	0961218	048	015	SW	376.00	024	1965		M	H		M	USGS	D
12070104	BRAZOS RIVER NR ROSHARON, TEX.	292058	0953456	048	157	SW	45339.00	124	1967		M	M		M	USGS	D
12070201	LEON R AT GATESVILLE	312605	0974535	048	099	SW			1953		O				TX001	C
12070201	SAN SABA R AT SAN SABA	311250	0984240	048	411	SW			1966		O				TX001	C
12070201	COLORADO R NR SAN SABA	311305	0983350	048	411	SW			1930		O				TX001	C
12070203	SOUTH FORK ROCKY CREEK NEAR BRIGGS, TEX.	305441	0980212	048	053	SW	33.30	004	1963		M	M		M	USGS	D
12070204	LITTLE RIVER AT CAMERON, TEX.	304953	0965701	048	331	SW	7065.00	124	1958		M	M		M	USGS	D
12070205	BERRY CREEK NEAR GEORGETOWN, TEX.	304128	0973921	048	491	SW	83.10	004	1976	1979	M	M		M	USGS	D
12080007	BEALS CRK NR WESTBROOK, TX	321157	1010049	048	335	SW	9903.00		1957		M	M		M	USGS	D
12080008	COLORADO RIVER ABOVE SILVER, TEX.	320337	1004556	048	081	SW	15407.00	014	1966		M	M		M	USGS	D
12080008	COLORADO RIVER AT ROBERT LEE, TEX.	315307	1002849	048	081	SW	15770.00	124	1946	1967	2	E		2	USGS	D
12090101	COLORADO R NR BALLINGER TX	314255	1000134	048	399	SW	10260.00	004	1979		O	H		O	USGS	D
12090101	COLORADO RIVER AT BALLINGER, TEX.	314358	0995713	048	399	SW	16840.00		1960		O	H		O	USGS	D
12090105	CONCHO RIVER AT PAINT ROCK, TEX.	313057	0995509	048	095	SW	6415.00	124	1958		O	H	M	O	USGS	D
12090106	COLORADO RIVER NEAR STACY, TEX.	312937	0993425	048	307	SW	24040.00		1967		E	E		E	USGS	D
12090201	COLORADO R AT BUCHANAN DAM	304505	0982500	048	053	SW			1947		O				TX001	C
12090201	COLORADO R AT INKS DAM	304400	0982300	048	053	SW			1942	1963	O				TX001	C
12090201	COLORADO RIVER NR SAN SABA, TEX.	311304	0983351	048	411	SW	30600.00	124	1946		M	M	E	M	USGS	D

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12090201	SANDY CREEK NEAR KINGSLAND, TEX.	303330	0982819	048	299	SW	327.00	004	1968	1975	M	Q		M	USGS	D
12090204	BRAZOS R AT RICHMOND	304504	0984010	048	157	SW			1924		O				TX001	C
12090204	LLANO R AT LLANO	304504	0984010	048	299	SW			1942		O				TX001	C
12090204	LLANO RIVER AT LLANO, TEX.	304504	0984010	048	299	SW	4233.00	024	1964		A	A			USGS	D
12090205	COLORADO R AT AUSTIN	301440	0974139	048	453	SW			1937		O				TX001	C
12090205	COLORADO RIVER AT AUSTIN, TEX.	301440	0974139	048	453	SW	38400.00	124	1946		M	M		M	USGS	D
12090205	WALNUT CREEK AT WEBBERVILLE RD. AUSTIN, TEX.	301659	0973917	048	453	SW	51.30	003	1976		M	Q		M	USGS	D
12090205	ONION CREEK AT U.S. HWY. 183, NR AUSTIN, TEX	301040	0974118	048	453	SW	321.00	003	1976		M	Q		M	USGS	D
12090206	PEDERNALES R AT JOHNSON CITY	301727	0982300	048	031	SW			1942	1967	O				TX001	C
12090301	BIG SANDY C NR MC DADE TX	301817	0971748	048	021	SW	40.00	004	1979		W	H		O	USGS	D
12090301	BIG SANDY C NR ELGIN TX	301559	0971942	048	021	SW	62.60	004	1979		W	H		O	USGS	D
12090301	DOGWOOD CREEK NR MC DADE TX	301429	0971703	048	021	SW	.53	004	1979		M	H			USGS	D
12090301	DOGWOOD CR AT HW95 N MC DADE T	301349	0971903	048	021	SW	5.03	004	1980		M	H			USGS	D
12090302	BRIDGE ON US 59 AT WHARTON	291830	0960615	048	481	SW			1968		S	S		S	TX001	D
12090302	COLORADO RIVER AT COLUMBUS, TEX.	294222	0963212	048	089	SW	41070.00	124	1957		2	E		2	USGS	D
12090302	COLORADO RIVER AT WHARTON, TEX.	291832	0960613	048	481	SW	41380.00	124	1943		M	M		M	USGS	D
12090302	COLORADO RIVER AT MATAGORDA, TEX.	284113	0955831	048	321	ES		014	1979		A	A		A	USGS	D
12090401	SAN BERNARD RIVER NEAR BOLING, TEXAS	291847	0955336	048	157	SW	727.00	024	1967		M	M		M	USGS	D
12100101	LAVACA RIVER NEAR EDNA, TEXAS	285735	0964110	048	239	SW	817.00	004	1960		M	M		M	USGS	D
12100101	4204101LAVACA-TRES PALACIOS ES LINE 041 SITE	284921	0963421	048	239	ES			1978		A	A		A	USGS	D
12100102	NAVIDAD R NR HALLETSVILLE	292800	0964845	048	285	SW			1962		O				TX001	C
12100102	AT UPSTREAM BRIDGE ON US 59 SOUTHWEST OF GAN	290130	0963318	048	239	SW			1968		K	K		K	TX001	D
12100102	SANDY CREEK NEAR LOUISE, TEX.	290934	0963247	048	239	SW	289.00	012	1978		H	H	H	H	USGS	D
12100102	NAVIDAD RIVER NR GANADO, TEX.	290132	0963308	048	239	SW	1062.00	024	1958	1980	M	M		M	USGS	D
12100102	WEST MUSTANG CR NR GANADO, TEX.	290417	0962801	048	239	SW	178.00	012	1978		H	H	H	H	USGS	D
12100102	4202002LAVACA-TRES PALACIOS ES LINE 20 SITE	285248	0963444	048	239	ES			1978		S	S		S	USGS	D
12100201	GUADALUPE R NR SPRING BRANCH	295140	0982300	048	091	SW			1942		O				TX001	C
12100204	GUADLUPE R AT VICTORIA	284735	0970045	048	469	SW			1945		O				TX001	C
12100204	GUADALUPE RIVER AT VICTORIA, TEX.	284734	0970046	048	469	SW	5198.00	124	1944		M	M		M	USGS	D
12100301	OLMOS C TRIB AT FR 1535, SHAVANO PARK, TEX.	293435	0983245	048	029	SW	.33	004	1970		E			E	USGS	D
12100301	OLMOS CR AT DRESDEN DRIVE, SAN ANTONIO, TEX.	292956	0983036	048	029	SW	21.20	003	1968		E	E		E	USGS	D
12100301	SAN ANTONIO RIVER AT SAN ANTONIO, TEX.	292434	0982941	048	029	SW	41.80	013	1965		E			E	USGS	D
12100301	ALAZAN C AT ST. CLOUD ST, SAN ANTONIO, TEX.	292729	0983259	048	029	SW	3.26	003	1968		E			E	USGS	D
12100301	PANTHER SPG CR @ FR2696 NR SAN ANTONIO, TX(D	293731	0983106	048	029	SW	9.54	004	1969	1977	E			E	USGS	D

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12100301	SALADO CR TRIB AT BITTERS RD, SAN ANTONIO, T	293136	0982625	048	029	SW	.26	003	1968		E			E	USGS	D
12100301	SALADO CREEK (UPPER STATION) AT SAN ANTONIO,	293057	0982551	048	029	SW	137.00	003	1968		E			E	USGS	D
12100301	SALADO C TRIB AT BEE ST, SAN ANTONIO, TEX.(D	292638	0982712	048	029	SW	.45	003	1970		E			E	USGS	D
12100301	SALADO CREEK (LOWER STATION) AT SAN ANTONIO,	292125	0982445	048	029	SW	189.00	003	1968		E			E	USGS	D
12100302	LEON CR TRIB AT FR 1604, SAN ANTONIO, TEX.	293514	0983740	048	029	SW	5.57	004	1970		E			E	USGS	D
12100302	FRENCH CR TRIB NR HELOTES, TEX.	293343	0983926	048	029	SW	1.08	004	1972	1972	A			A	USGS	D
12100302	HELOTES CREEK AT HELOTES, TEXAS	293442	0984129	048	029	SW	15.00	024	1969		E			E	USGS	D
12100302	LEON CREEK TRIB AT KELLY AIR FORCE BASE, TEX	292312	0983600	048	029	SW	1.19	003	1969		E			E	USGS	D
12100303	SAN ANTONIO R AT GOLIAD	283858	0972304	048	175	SW			1942		O				TX001	C
12100303	BRIDGE ON US 77-A AND 183 SOUTHEAST OF GOLIA	283854	0972230	048	175	SW			1968		H	H		H	TX001	D
12100303	SAN ANTONIO RIVER NEAR FALLS CITY, TEX.	285705	0980350	048	255	SW	2113.00	124	1966		E	E		E	USGS	D
12100303	ECLETO CREEK NEAR RUNGE, TEX.	285512	0974619	048	255	SW	239.00	004	1961	1975	A	E		A	USGS	D
12100303	ESCONDIDO CR SWS NO. 1 NR KENEDY, TEX.	284641	0975341	048	255	SW	3.29	014	1965	1965	E	E			USGS	
12100303	SAN ANTONIO RIVER AT GOLIAD, TEX.	283858	0972304	048	175	SW	3921.00	124	1945		M	M		M	USGS	D
12100304	CIBOLO C NR FALLS CITY	290050	0975548	048	255	SW			1963		O				TX001	C
12100304	CIBOLO CREEK NR FALLS CITY, TEX.	290050	0975548	048	255	SW	827.00	024	1961		E	E		E	USGS	D
12100402	LAVACA R NR EDNA	285735	0964845	048	239	SW			1945		O				TX001	C
12100406	MISSION RIVER AT REFUGIO, TEXAS	281730	0971644	048	391	SW	690.00	004	1960		M	M		M	USGS	D
12100407	ARANSAS RIVER NEAR SKIDMORE, TEX.	281656	0973714	048	025	SW	247.00	024	1961	1975	R	E		R	USGS	D
12110105	NUECES R AT COTULLA	282532	0991426	048	283	SW			1942		O				TX001	C
12110105	NUECES RIVER NEAR TILDEN, TEX.	281831	0983325	048	311	SW	8192.00	004	1948	1968	2			2	USGS	D
12110105	NUECES RIVER AT SIMMONS, TEX.(DISC)	282516	0981703	048	297	SW	8561.00	004	1965		N			N	USGS	D
12110108	FRIO R AT CALLIHAM	282930	0982045	048	311	SW			1953		O				TX001	C
12110108	FRIO RIVER AT CALLIHAM, TEX.	282931	0982047	048	311	SW	5491.00	004	1962			M		M	USGS	D
12110109	SAN MIGUEL CREEK NEAR TILDEN, TEX.	283514	0983244	048	311	SW	793.00	024	1965		M	M		M	USGS	D
12110110	ATASCOSA RIVER AT WHITSETT, TEX.	283718	0981702	048	297	SW	1171.00	004	1964		M	M		M	USGS	D
12110111	NUECES R NR MATHIS	280217	0975136	048	409	SW			1942		O				TX001	C
12110111	BRIDGE ON US 281 SOUTH OF THREE RIVERS	282545	0981045	048	297	SW			1968		K	K		K	TX001	D
12110111	NUECES RIVER NR. THREE RIVERS, TEX.	282610	0981106	048	297	SW	15600.00	004	1940		M	M		M	USGS	D
12110205	LOS OLMOS CREEK NEAR FALFURRIAS, TEX.	271551	0980808	048	047	SW	480.00		1973		M	M		M	USGS	D
12110208	NORTH FLOODWAY NR SEBASTIAN, TEX	261854	0974637	048	001	SW			1967	1967	A	A		A	USGS	D
12110208	NORTH FLOODWAY NEAR SEBASTION, TEX.	261854	0974637	048	061	SW		124	1973		W	W		W	USGS	D
12110208	ARROYO COLORADO @ EL FUSTE SIPHON NR MERCEDE	260745	0975445	048	215	SW		124	1966		W	W		W	USGS	D

RIO GRANDE REGION 13

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
130055 L	RIO GRANDE AT LAREDO WATER PLT TX	273125	0993125	048	479	SW			1932		O				USIBW	
130055 L	RIO GRANDE AT LAREDO TX	272950	0992940	048	479	SW	132578.00		1956	1977	E				USIBW	P
130055 M	RIO GRANDE BL FALCON DAM TX	263325	0991005	048	427	SW	159270.00		1956		W				USIBW	P
130055 M	RIO GRANDE NR BROWNSVILLE TX		0972715	048	061	SW	176333.00		1934		E				USIBW	P
130056 C	RIO GRANDE BL RIO CONCHOS NR PRES	293105	1041740	048	377	SW	63339.00		1950	1977	E				USIBW	P
130056 J	RIO GRANDE AT LANGTRY TX	294800	1013330	048	465	SW	81429.00		1945	1968	E				USIBW	P
13010001	NAVAJO RIVER BL OSO DIV DAM, NEAR CHROMO, CO	373148	1064416	008	007	SW		024	1972	1975	K	E		K	USGS	D
13010001	LITTLE NAVAJO BL LITTLE OSO DIV DAM,CO	374126	1064904	008	007	SW			1973	1974	E	E		E	USGS	D
13010002	RIO GRANDE NEAR LOBATOS, CO.	370442	1054522	008	021	SW	7700.00	124	1969		E			E	USGS	D
13020101	RIO NAMBE AT NAMBE FALLS NR NAMBE NM	355046	1055429	035	049	SW	25.10	004	1961	1965	W				USBR	P
13020101	COSTILLA C NR COSTILLA, NM	365801	1053023	035	055	SW	195.00	014	1966	1975	Q	A		Q	USGS	D
13020101	RIO GRANDE AT SHEEPS XING CAMPGROUND NR CERR	364513	1054020	035	055	SW			1978		A				USGS	D
13020101	RIO GRANDE NEAR CERRO, NM	364405	1054105	035	055	SW	8440.00	014	1976		A			A	USGS	D
13020101	RIO GRANDE AB RED RIVER CONFLUENCE NR CERRO,	363914	1054128	035	055	SW			1978		S			S	USGS	D
13020101	RED RIVER BELOW ZWERGLE DAM SITE NR RED RIVE	364025	1052250	035	055	SW	25.70	004	1976		M	A			USGS	P
13020101	RED RIVER AT MOLYCORPS MINE NR RED RIVER,NM	364157	1052844	035	055	SW			1978		K			R	USGS	D
13020101	RED RIVER NEAR QUESTA N. MEX.	364212	1053404	035	055	SW	113.00	014	1978		A			A	USGS	D
13020101	CABRESTO CREEK NEAR QUESTA, N. MEX.	364350	1053312	035	055	SW	36.70	014	1978		A				USGS	D
13020101	RED RIVER BL QUESTA,NM	364134	1053642	035	055	SW	180.00	014	1978		K			K	USGS	D
13020101	RED RIVER ABOVE STATE FISH HATCHERY NR QUEST	364112	1053840	035	055	SW			1978		R			A	USGS	D
13020101	RED R AT FISH HATCH NR QUESTA,NM	364053	1053924	035	055	SW	185.00	014	1966		E			E	USGS	D
13020101	RED RIVER BL FISH HATCHERY, NR QUESTA,NM	364107	1053905	035	055	SW			1978		R	A		N	USGS	D
13020101	RED RIVER AT MOUTH, NEAR QUESTA, N. MEX.	363853	1054134	035	055	SW	190.00	014	1966		A			A	USGS	D
13020101	RIO GRANDE ABOVE RIO HONDO AT DUNN BRIDGE,NM	363206	1054230	035	055	SW			1978		K			R	USGS	D
13020101	ARROYO HONDO AT ARROYO HONDO, N. MEX.	363156	1054106	035	055	SW	65.60	014	1978		K			A	USGS	D
13020101	RIO GRANDE DEL RANCHO NEAR TALPA, N. MEX.	361752	1053455	035	055	SW	83.00	004	1961	1965	M	A			USGS	P
13020101	RIO GRANDE BELOW TAOS JUNCTION BRIDGE NR TAO	361912	1054514	035	055	SW	9730.00	014	1975		A			A	USGS	D
13020101	RIO GRANDE AT EMBUDO, N. MEX.	361220	1055749	035	039	SW	10400.00	014	1963	1969	M				USGS	P
13020101	RIO GRANDE AT OTOWI BRIDGE, NM	355229	1060830	035	049	SW	14300.00	124	1934		O	E		O	USGS	D
13020102	RIO CHAMA BL ABIQUIU LK	361412	1062459	035	039	SW			1963		O	B			USCE	
13020102	RIO CHAMA NEAR LA PUENTE, N. MEX.	363945	1063757	035	039	SW	480.00	014	1974	1974	A	A		A	USGS	D
13020102	WILLOW CR ABV AZOTEA CR NR PARK VIEW N. MEX.	364815	1063930	035	039	SW	42.00	004	1973	1973	A	A		A	USGS	D
13020102	AZOTEA TUNNEL AT OUTLET NEAR CHAMA, N. MEX.	365112	1064018	035	039	SW		024	1974	1975	K	E		K	USGS	D
13020102	WILLOW CREEK ABOVE HERON RES NR PARK VIEW N.	364431	1063734	035	039	SW			1973	1974	A	A		A	USGS	D

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13020102	HORSE LAKE CR AB HERON RES NR PARK VIEW, N.	364224	1064442	035	039	SW	45.00	004	1973	1973	A			A	USGS	D
13020102	RIO CHAMA BL HERON DAM,NM	363940	1064308	035	039	SW			1973	1974	A	A		A	USGS	D
13020102	EL VADO RESERVOIR NEAR TIERRA AMARILLA, N. M	363539	1064400	035	039	SW			1973	1973	Q	Q			USGS	D
13020102	RIO CHAMA BELOW EL VADO DAM, N. MEX.	363448	1064324	035	039	SW	877.00	124	1974	1974	A	A		A	USGS	D
13020102	RIO CHAMA AB ABIQUIU RE, NM	361906	1063550	035	039	SW	1600.00	124	1961		2	Q		2	USGS	D
13020102	RIO CHAMA BL ABIQUIU DAM, NM	361412	1062459	035	039	SW	2147.00	124	1961		2	R		2	USGS	D
13020102	RIO CHAMA NEAR CHAMITA,NM	360426	1060640	035	039	SW	3144.00	124	1956		2	E		2	USGS	D
13020201	RITO DE LOS FRIJOLES IN BANDELIER NAT MON,NM	354708	1061650	035	043	SW	17.50	004	1979		K				USGS	D
13020201	RIO GRANDE AT COCHITI, NEW MEXICO	353756	1061908	035	043	SW	14600.00	124	1973	1973	A	A			USGS	D
13020201	RIO GRANDE BL COCHITI DAM, NM	353704	1061926	035	043	SW	14900.00	124	1970		0	A		0	USGS	D
13020201	GALISTEO RESERVOIR NEAR CERRILLOS, N. MEX.	352744	1061230	035	049	SW	596.00	004	1926	1957	W	W			USGS	P
13020201	GALISTEO CREEK BELOW GALISTEO DAM, NM	352756	1061257	035	049	SW	597.00	014	1971		2	N		2	USGS	D
13020201	GALISTEO C AT DOMINGO, NM	353043	1061901	035	043	SW	640.00	004	1958	1970	2	E		2	USGS	D
13020201	RIO GRANDE AT SAN FELIPE,NM	352639	1062623	035	043	SW	16100.00	124	1953		E	E		E	USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 1,NM	353709	1061945	035	043	SW			1970	1972	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 2,NM	353616	1062010	035	043	SW			1970	1975	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 3,NM	353539	1062113	035	043	SW			1970	1975	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 4W,NM	353454	1062116	035	043	SW			1970	1974	A	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 4M,NM	353453	1062112	035	043	SW			1970	1975	A	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 4E,NM	353453	1062106	035	043	SW			1970	1975	A	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 5,NM	353412	1062127	035	043	SW			1970	1975	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 6,NM	353331	1062139	035	043	SW			1970	1975	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 7W,NM	353300	1062142	035	043	SW			1970	1974	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 7M,NM	353300	1062139	035	043	SW			1972	1972	A	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 7E,NM	353300	1062137	035	043	SW			1971	1975	R	R			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 8,NM	353205	1062204	035	043	SW			1970		S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 9W,NM	353140	1062229	035	043	SW			1971		S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 9E,NM	353138	1062226	035	043	SW			1972	1974	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 10W,N	353103	1062252	035	043	SW			1970	1975	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 10E,N	353103	1062255	035	043	SW			1970	1975	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 11,NM	353029	1062352	035	043	SW			1971	1975	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 12,NM	352951	1062348	035	043	SW			1970	1975	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 13,NM	352905	1062404	035	043	SW			1970	1975	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 14,NM	352815	1062433	035	043	SW			1970	1975	S	S			USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 15,NM	352738	1062506	035	043	SW			1970	1975	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 16,NM	352714	1062550	035	043	SW			1970	1975	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 18,NM	352545	1062650	035	043	SW			1971	1975	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 19,NM	352509	1062716	035	043	SW			1970	1975	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 20,NM	352439	1062800	035	043	SW			1971	1975	S	S		E	USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 21W,N	352305	1062833	035	043	SW			1970	1975	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 21E,N	352349	1062829	035	043	SW			1970	1975	S	A			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 22,NM	352316	1062858	035	043	SW			1971	1975	S	S		E	USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 23W,N	352249	1062951	035	043	SW			1970	1972	S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 23E,N	352249	1062954	035	043	SW			1972	1975	K	A		E	USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 24W,N	352227	1063106	035	043	SW			1971		S	S			USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 25E,N	352151	1063100	035	043	SW			1972	1975	S	S		E	USGS	D
13020201	RIO GRANDE COCHITI TO ISLETA X-SECTION 27,NM	352105	1063215	035	043	SW			1971		S	S		E	USGS	D
13020201	DIVERSION SAN JUAN TO RIO GRANDE			035		SW			1977		M	M	M		USGS	P
13020202	JEMEZ R BL JEMEZ CANY DAM N MEX	352310	1063145	035	043	SW			1959		W	M			USCE	
13020202	JEMEZ R BL JEMEZ CANYON DAM	352340	1063237	035	043	SW			1980		B	B			USCE	
13020202	JEMEZ RIVER BELOW JEMEZ CANYON DAM,NM	352324	1063203	035	043	SW	1038.00	014	1953		2	E		E	USGS	D
13020202	RIO GRANDE COCHITI TO ISLETA X-SECTION 24E,N	352227	1063108	035	043	SW			1972	1975	S	A		E	USGS	D
13020203	PIEDRA LISA ARROYO NR BERNALILLO N M	351850	1063144	035	043	SW	4.10	014	1956	1967	A	A		A	USGS	D
13020203	RIO GRAND NR BERNALILLO,NM	351705	1063545	035	043	SW	17300.00	124	1958	1974	2	E		2	USGS	D
13020203	VILLA DEL OSO DRAIN AT ALBUQUERQUE,NM	350804	1063416	035	001	SW			1976		A	A			USGS	D
13020203	RIO GRANDE AT ALBUQUERQUE, N. MEX.	350521	1064048	035	001	SW	17440.00	124	1968		0	H		0	USGS	D
13020203	RIO GRANDE NEAR ISLETA,NM	345421	1064104	035	061	SW	17900.00	124	1970		E	E		E	USGS	D
13020203	RIO GRANDE CONVEYANCE CHANNEL NEAR BERNARDO,	342452	1064811	035	053	SW		124	1963	1975	2	E		2	USGS	D
13020203	RIO GRANDE NR BERNARDO, N. M.	342500	1064800	035	053	SW	19230.00	124	1958	1975				2	USGS	D
13020203	RIO GRANDE FLOODWAY NEAR BERNARDO, NM	342501	1064800	035	053	SW	19230.00	124	1964		0	E		0	USGS	D
13020203	BERNARDO INTERIOR DRAIN NR BERNARDO,N. M.	342456	1064915	035	053	SW			1963	1968	2	K		2	USGS	D
13020203	SOCORRO MAIN CANAL NORTH AT SAN ACACIA, NM	341517	1065343	035	053	SW		124	1974		0	X			USGS	P
13020203	RIO GRANDE CONVEYANCE CHANNEL AT SAN ACACIA,	341454	1065404	035	053	SW		124	1958		0	E		0	USGS	D
13020203	RIO GRANDE FLOODWAY AT SAN ACACIA, NM	341523	1065318	035	053	SW	26770.00	124	1960		0	E		0	USGS	D
13020203	RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL	334107	1065940	035	053	SW		124	1958		2	E		2	USGS	D
13020203	RIO GRANDE FLOODWAY AT SAN MARCIAL, NM	334050	1065930	035	053	SW	27700.00	124	1897		0	E		0	USGS	D
13020203	TORTUGAS ARROYO NR LAS CRUCES, N MEX	341715	1064343	035	013	SW	20.70	014	1967	1972	4	N		4	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 25W,N	352151	1063058	035	043	SW			1971	1972	S	S			USGS	D

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13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 26,NM	352125	1063110	035	043	SW			1971	1975	S	A		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 28,NM	352024	1063243	035	043	SW			1970		S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 29,NM	351938	1063323	035	043	SW			1971	1975	S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 30,NM	351823	1063412	035	043	SW			1971	1975	S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 31,NM	351745	1063452	035	043	SW			1971		S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 32,NM	351712	1063540	035	043	SW			1971	1975	S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 33,NM	351551	1063548	035	043	SW			1970	1975	S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 34,NM	351223	1063736	035	043	SW			1970	1975	S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 35,NM	350928	1064010	035	043	SW			1970	1975	S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 37,NM	350143	1064021	035	043	SW			1970	1975	S	S		E	USGS	D
13020203	RIO GRANDE COCHITI TO ISLETA X-SECTION 38,NM	345732	1064110	035	043	SW			1970	1975	S	S		E	USGS	D
13020204	SAN PABLO CR NR CUBA, NM	355655	1065644	035	043	SW	12.80	004	1975		A	A		A	USGS	D
13020204	ARROYO CHICO NR GUADALUPE N M	353533	1071119	035	043	SW	1390.00	004	1978		A	A		A	USGS	D
13020204	RIO PUERCO AT RIO PUERCO, NEW MEXICO	344738	1065920	035	061	SW	6590.00	014	1975	1975	D	X			USGS	P
13020204	RIO PUERCO NEAR BERNARDO,NM	342433	1065109	035	053	SW	7350.00	014	1958		2	E		2	USGS	D
13020205	PAPERS WASH NR STARLAKE TRADING POST, NM	355336	1072458	035	031	SW			1978		R			A	USGS	D
13020207	BLUEWATER LK NR BLUEWATER N M	351731	1080640	035	061	SW	201.00	014	1966		E	E		E	USGS	D
13020207	RIO SAN JOSE AT CORREO N M	345805	1071111	035	061	SW	3660.00	014	1949	1956	D	X			USGS	P
13020209	RIO SALADO NEAR SAN ACACIA,NM	341750	1065359	035	053	SW	1380.00	004	1966		E	E		E	USGS	D
13030101	RIO GRANDE BELOW ELEPHANT BUTTE DAM, NM	330854	1071222	035	051	SW	29450.00	124	1978		A	A		A	USGS	D
13030102	RIO GRANDE AT VINTON BR NR ANTHONY,TX	315732	1063617	048	141	SW	28680.00	124	1975		E	E		E	USGS	D
13030102	RIO GRANDE AT EL PASO, TEX.	314810	1063225	048	141	SW	29267.00		1964		N	N		N	USGS	D
13030102	RIO GRANDE AT EL PASO TX	314810	1063225	048	141	SW	29267.00		1930	1948	E				USIBW	P
13030201	GILA RIVER ABOVE CLIFF NM	330216	1083158	035	017	SW			1967	1976	A				USFS	D
13030202	GALLINAS CR BELOW IRON CREEK	325424	1074903	035	017	SW			1975	1975	A				USFS	D
13030202	MIMBRES RIVER BELOW SAN LORENZO	324805	1075507	035	017	SW			1975		E				USFS	D
13030202	MIMBRES R AT MCKNIGHT DS NR MIMBRES N M	325614	1080055	035	017	SW	97.30		1967	1972	K	E		K	USGS	D
13030202	MIMBRES RIVER AT MIMBRES NM	325117	1075823	035	017	SW	184.00		1979		N	N		N	USGS	D
13040201	RIO GRANDE AT FORT QUITMAN, TEXAS	310505	1053625	048	229	SW	31944.00	014	1973		E	E		E	USGS	D
13040205	RIO GRANDE AT JOHNSON RANCH TX	290205	1032330	048	043	SW	67760.00		1948	1977	E				USIBW	P
13040212	RIO GRANDE AT FOSTER RANCH NR LANGTRY, TEXAS	294650	1014520	048	465	SW	80742.00	014	1973		M	M		M	USGS	D
13040212	PECOS RIVER NEAR LANGTRY, TX	294810	1012645	048	465	SW	35200.00	014	1974		M	M		M	USGS	D
13040302	DEVILS RIVER AT PAFFORD CROSSING NR COMSTOCK	294100	1010000	048	465	SW	3961.00		1967		M	M		M	USGS	D
13050003	RIO TULAROSA NEAR BENT, NM	330341	1055350	035	035	SW	120.00		1963		E	E		E	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
13060001	RIO MORA NEAR TERRERO, NM	354638	1053927	035	047	SW	53.20	004	1962		E	E		E	USGS	D
13060001	PECOS RIVER NEAR ANTON CHICO, NM	351044	1050630	035	019	SW	1050.00	014	1967		E	E		E	USGS	D
13060001	PECOS RIVER AT SANTA ROSA, NM	345636	1044155	035	019	SW	2650.00	014	1958	1978	0	N		0	USGS	D
13060001	PECOS RIVER NEAR PUERTO DE LUNA, NM	344348	1043128	035	019	SW	3970.00	014	1939		E	E		E	USGS	D
13060003	PECOS RIVER BELOW SUMNER DAM, NM	343615	1042314	035	011	SW	4390.00	014	1907		M	E		M	USGS	D
13060007	PECOS RIVER NEAR ARTESIA, NM	325025	1041923	035	015	SW	15300.00	014	1936		0	E		0	USGS	D
13060008	RIO HONDO AT DIAMOND A RANCH NR ROSWELL N M	332057	1045105	035	005	SW	947.00	014	1951	1975	3	X		2	USGS	D
13060010	RIO PENASCO AT DAYTON N M	324436	1042449	035	015	SW	1060.00	014	1960	1972	2	A		2	USGS	D
13060011	PECOS RIVER AT CARLSBAD, NM	322440	1041301	035	015	SW	18100.00	014	1950		X				USGS	P
13060011	PECOS RIVER NEAR MALAGA, NM	321324	1040134	035	015	SW	19190.00	014	1936		E			E	USGS	D
13060011	PECOS RIVER AT RED BLUFF, NM	320430	1040221	035	015	SW	19540.00	014	1936		E	E		E	USGS	D
13070008	PECOS RIVER NR SHUMLA TX	294920	1012435	048	465	SW	35162.00		1955	1966	E				USIBW	P
13080001	RIO GRANDE NR DEL RIO TX	291935	1005540	048	465	SW	123303.00		1955	1977	E				USIBW	P
13080002	RIO GRANDE AT LAREDO, TEX.	272950	0992940	048	479	SW	132578.00	124	1913		M	M		M	USGS	D
13090001	RIO GRANDE AT FORT RINGGOLD TX	262205	0984820	048	427	SW	174362.00		1959		W				USIBW	P
13090001	RIO GRANDE NR LOS EBANOS TX	261425	0983400	048	215	SW			1956		W				USIBW	P
13090002	RIO GRANDE NR SAN BENITO TX	260200	0974340	048	061	SW	176304.00		1955		W				USIBW	P
13090002	RIO GRANDE BL ANZALDUAS DAM TX	260800	0982005	048	215	SW			1956		E				USIBW	P
130955 M	RIO GRANDE NEAR BROWNSVILLE, TEXAS		0972715	048	061	SW	176333.00	124	1965		0	M		0	USGS	D

UPPER COLORADO REGION 14

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
140064 J	VERMILLION CREEK NEAR HIAWATHA COLO			056	037	SW			1977		E	E		E	USGS	D
14010001	COTTONWOOD NR DOTSERO	393730	1070625	008	037	SW			1982		W				USBLM	
14010001	SOUTH FORK WILLIAMS FORK	394744	1060149	008	049	SW			1977		N				USFS	D
14010001	WILLIAMS FORK ABV DARLING CK.	394722	1060118	008	049	SW			1977		K				USFS	D
14010001	EAST TROUBLESOME 7 MI NE KREMMLI	401000	1061700	008	049	SW			1971	1975	A				USFS	D
14010001	WILLIAMS FK BI. KINNEY CR ATLEAL	395000	1060300	008	049	SW			1975	1975	A				USFS	D
14010001	COLORADO RIVER NEAR GRANBY, CO.	400715	1055400	008	049	SW	323.00	124	1976	1978	R			R	USGS	D
14010001	EAST FORK TROUBLESOME C NEAR TROUBLESOME, CO	400927	1061658	008	049	SW	76.00	004	1976	1978	R			R	USGS	D
14010001	RED DIRT CREEK NEAR KREMMLING, CO.	400941	1063332	008	049	SW	19.00		1976	1976	A			A	USGS	D
14010001	COLORADO RIVER NEAR KREMMLING, CO.	400212	1062622	008	049	SW	2382.00	124	1976	1978	A			A	USGS	D
14010001	COLORADO RIVER NEAR DOTSERO, CO.	393840	1070440	008	037	SW	4394.00		1959		4	E		4	USGS	D
14010001	COLORADO RIVER AT GLENWOOD SPRINGS, CO.	393300	1071913	008	045	SW	4558.00		1953	1966	4	E		4	USGS	D
14010001	ST LOUIS CR ABV FRASER	395659	1054947	008	007	SW			1976	1976	R			R	USGS	D
14010001	RANCH CR NR TABERNASH	395957	1054939	008	007	SW			1976	1976	R			R	USGS	D
14010001	FRASER R ABV GRANBY STP NR GRANBY	400454	1055545	008	007	SW			1976	1976	A			A	USGS	D
14010001	FRASER R AT CONFLUENCE WITH COLORADO R	400559	1055819	008	049	SW			1976	1976	R			R	USGS	D
14010002	WEST TENMILE CREEK AT COPPER MOUNTAIN, CO.	393001	1060956	008	117	SW	21.00		1972		3			2	USGS	D
14010002	BLUE RIVER BELOW GREEN MOUNTAIN RESERVOIR, C	395249	1062000	008	117	SW	599.00	014	1976	1978	A			A	USGS	D
14010002	BLUE R AT BLUE R ABV GOOSE PASTURE TARN	392546	1060225	008	117	SW			1976	1976	R			R	USGS	D
14010002	SWAN R AT MOUTH NR FRISCO	392246	1060216	008	075	SW			1976	1976	A			A	USGS	D
14010002	STRAIGHT CR AT MOUTH NR FRISCO	393736	1060402	008	075	SW			1976	1976	R			R	USGS	D
14010002	BLUE R NR SILVERTHORNE	393944	1060446	008	117	SW			1976	1976	R			R	USGS	D
14010002	BLUE R ABV PASS CR BLW SIERRA BOSQUE	394647	1060936	008	075	SW			1976	1976	A			A	USGS	D
14010002	BLUE R BLW SIERRA BOSQUE	394957	1061315	008	075	SW			1976	1976	R			A	USGS	D
14010003	MILK CREEK NR CASTLE PEAK	394305	1064235	008	037	SW			1981		W				USBLM	
14010003	BLACK GORE CREEK NEAR VAIL, CO.	393724	1061647	008	037	SW	19.60	004	1972		2			2	USGS	D
14010003	GORE CREEK AT VAIL, CO.	393835	1062044	008	037	SW	55.00		1973		2			2	USGS	D
14010003	EAGLE RIVER AT GYPSUM, CO.	393900	1065706	008	037	SW	844.00	023	1947		5			5	USGS	D
14010003	EAST BRUSH CR AT YEOMAN PARK NR	393045	1064640	008	037	SW			1976	1976	R			R	USGS	D
14010003	GYPSUM CR AT MOUTH NR GYPSUM	393857	1065707	008	037	SW			1976	1976	R			R	USGS	D
14010003	MILK CR. AT MOUTH, NR. WOLCOTT	394240	1064232	008	037	SW			1976	1976	R			R	USGS	D
14010004	CRYSTAL RIVER AB AVALANCHE C, NEAR REDSTONE,	391356	1071336	008	097	SW	167.00	004	1976	1976	A			A	USGS	D
14010004	NORTH THOMPSON CREEK NEAR CARBONDALE, CO.	391947	1071958	008	097	SW	26.80	024	1976	1976	A			A	USGS	D
14010004	ROARING FORK RIVER AT GLENWOOD SPRINGS, CO.	393237	1071944	008	045	SW	1451.00		1959	1978	4	E		4	USGS	D

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14010004	DIFFICULT CREEK NR. MOUTH AT DIF	390820	1064628	008	097	SW			1976	1976	A			A	USGS	D
14010004	CRYSTAL R ABV COAL CR NR REDSTONE	391051	1071426	008	097	SW			1976	1976	R			A	USGS	D
14010004	COAL CR BL MIDCONTINENT AT REDSTONE	391059	1071452	008	055	SW			1976	1976	R			R	USGS	D
14010004	COAL CR ABV MIDCONTINENT NR REDSTONE	391159	1071814	008	097	SW			1976	1976	R			R	USGS	D
14010004	ROARING FORK R. BLW SNOWMASS	392032	1070019	008	097	SW			1976	1976	A				USGS	D
14010004	SOPRUS CR ABV CONFLUENCE NR BASALT	392103	1070304	008	055	SW			1976	1976	R			A	USGS	D
14010005	WEST DIVIDE CREEK NEAR RAVEN, CO.	391952	1073446	008	077	SW	64.60	004	1957	1958	E				USGS	P
14010005	COLORADO RIVER NEAR DE BEQUE, CO.	392145	1080907	008	077	SW	7370.00	124	1970		2	E		2	USGS	D
14010005	PLATEAU CREEK NEAR COLLBRAN, CO.	391502	1075024	008	077	SW	80.40	124	1950	1958	E				USGS	P
14010005	COLORADO RIVER NEAR COLORADO-UTAH STATE LINE	391000	1085726	008	077	SW	17764.00	124	1962		A	A			USGS	D
14010006	NORTHWATER CREEK NEAR ANVIL POINTS, CO.	393713	1080044	008	045	SW	12.60		1976		A			A	USGS	D
14010006	EAST MIDDLE FORK PARACHUTE CR NR RIO BLANCO,	393715	1080146	008	045	SW	22.10		1976		N			O	USGS	D
14010006	EAST FORK PARACHUTE CREEK NEAR RULISON, CO.	393403	1080114	008	045	SW	20.40		1976		R			W	USGS	D
14010006	PARACHUTE CREEK NEAR GRAND VALLEY, CO.	393401	1080637	008	045	SW	141.00	024	1973		2			2	USGS	D
14010006	PARACHUTE CREEK AT GRAND VALLEY, CO.	392711	1080333	008	045	SW	198.00		1974		2	E		O	USGS	D
14010006	ROAN CREEK NEAR DE BEQUE, CO.	392712	1081859	008	045	SW	321.00	024	1974		W			O	USGS	D
14020002	CIMARRON RIVER NEAR CIMARRON, CO.	381545	1073239	008	051	SW	66.60	124	1956	1958	E				USGS	P
14020002	SMITH FORK NEAR CRAWFORD, CO.	384340	1073022	008	029	SW	43.70	024	1952	1957	E				USGS	P
14020004	ANTHRACITE CREEK NEAR SOMERSET, CO.	385718	1071611	008	051	SW			1977		K	A		R	USGS	D
14020004	NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO.	385545	1072653	008	051	SW	531.00	124	1978		K				USGS	D
14020005	SURFACE CREEK AT CEDAREDGE, CO.	385406	1075514	008	029	SW	39.50	124	1952	1953	E				USGS	P
14020005	GUNNISON RIVER NEAR GRAND JUNCTION, CO.	385900	1082700	008	077	SW	7928.00		1856		4	E		4	USGS	D
14020006	SPRING CREEK NEAR BEAVER HILL, CO.	383126	1075814	008	085	SW			1977		A	A		A	USGS	D
14020006	SPRING CREEK NEAR MONTROSE, CO.	382332	1075640	008	085	SW			1977		K	A		K	USGS	D
14020006	UNCOMPAHGRE RIVER AT DELTA, CO.	384431	1080449	008	029	SW	1129.00	024	1958		4	E		4	USGS	D
14030001	DOLORES RIVER NEAR CISCO,UT.	384750	1091140	049	019	SW	4580.00	014	1948		2			2	USGS	D
14030002	DOLORES RIVER AT DOLORES, CO.	372816	1083015	008	083	SW	504.00	124	1940		E	E			USGS	P
14030003	BEAVER CREEK NEAR NORWOOD, CO.	375812	1081142	008	113	SW	40.60		1978		K	K		K	USGS	D
14030003	WEST NATURITA CREEK NEAR NORWOOD, CO.	375833	1081938	008	113	SW	53.00		1978		K	K		K	USGS	D
14030003	SAN MIGUEL RIVER AT NATURITA, CO.	381304	1083357	008	085	SW	1069.00	124	1970		K	R		K	USGS	D
14030005	COLORADO RIVER NEAR CISCO UTAH	384838	1091734	049	019	SW	24100.00	014	1928		O	K		O	USGS	D
14030005	ONION CR AB ON CR BR NR MOAB	384144	1091516	049	019	SW	2.90	004	1979		O			O	USGS	D
14030005	ONION CR B ON CR BR NR MOAB UT	384223	1091852	049	019	SW	16.80	004	1979		O			O	USGS	D
14030005	MILL CR NR MOAB UTAH	383344	1093048	049	019	SW	74.90	014	1971	1979	2	E		2	USGS	D

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14040101	GREEN RIVER AT WARREN BRIDGE, NEAR DANIEL, W	430108	1100703	056	035	SW	468.00	014	1962		H	Q		H	USGS	D
14040101	HORSE CREEK AT SHERMAN RANGER STATION, WYO.	425640	1102320	056	035	SW	43.00		1978		A			A	USGS	D
14040101	HORSE CREEK NEAR DANIEL, WYO.	425540	1101200	056	035	SW	124.00	014	1969		A			A	USGS	D
14040101	GREEN RIVER NEAR BIG PINEY, WYO.	423414	1095658	056	035	SW	1260.00	014	1967		R	E		R	USGS	D
14040101	DRY BASIN C NR BIG PINEY, WYO	422528	1100635	056	035	SW	47.20	004	1965		M	9		9	USGS	D
14040101	DRY PINEY CREEK NEAR BIG PINEY, WYO.	422325	1101509	056	035	SW	67.00	004	1965	1973	2	A		2	USGS	D
14040101	LA BARGE CR NR LA BARGE MEADOWS RANGER STA.	423030	1104010	056	023	SW	6.30	004	1975		M	E		7	USGS	D
14040101	LA BARGE CREEK NEAR VIOLA, WYO.	421320	1101910	056	023	SW	172.00	014	1978		A			A	USGS	D
14040101	GREEN R NR LABARGE WYO	421134	1100945	056	023	SW	3910.00		1962		H	R		H	USGS	D
14040101	FONTENELLE CR NR HERSCHLER RANCH, NR FONTENE	420546	1102457	056	023	SW	152.00	004	1975		M	E		7	USGS	D
14040101	BUCKHORN C AT LOWER FARSON CUTOFF WY	422445	1094850	056	037	SW			1976	1976	A	A		A	USGS	D
14040101	ALKALI C NR BIG PINEY WY	423220	1095820	056	035	SW			1978		A	A			USGS	D
14040101	N HORSE CR AB MULE CR NR SHERMAN RANGER STAT	425859	1103640	056	035	SW			1978		A			A	USGS	D
14040102	PINE CREEK ABOVE FREMONT LAKE, WYO.	430150	1094610	056	035	SW	75.80	004	1975		M	E		7	USGS	D
14040102	EAST FORK RIVER NEAR BIG SANDY, WYO.	424000	1092500	056	035	SW	79.20	004	1975		M	E		5	USGS	D
14040102	SILVER CREEK NEAR BIG SANDY, WYO.	424500	1093100	056	035	SW	45.40	014	1965		A			A	USGS	D
14040102	SAND SPRINGS DRAW TR NR BOULDER WY	423507	1093723	056	035	SW	2.77	004	1975		M		9		USGS	D
14040102	NEW FORK RIVER NEAR BIG PINEY, WYOMING	423402	1095546	056	035	SW	1230.00	014	1964		H	N		H	USGS	D
14040102	TR TO NEW FORK R NR BIG PINEY WY	423600	1095300	056	035	SW			1978		A	A			USGS	D
14040102	SAND SPRINGS DRAW NR BOULDER, WY	424002	1094600	056	035	SW			1978		A	A			USGS	D
14040103	GREEN R BEL FONTENELLE RES WYO	420116	1100257	056	037	SW	4280.00	014	1966		H	R		H	USGS	D
14040103	FOURMILE GULCH TR NR FONTENELLE WY	420309	1095940	056	037	SW	14.20	004	1975		M		9		USGS	D
14040103	E OTTERSON WASH NR GREEN R WY	414704	1094403	056	037	SW	16.60	004	1975	1976	M			9	USGS	D
14040103	GREEN RIVER AT BIG ISLAND, NEAR GREEN RIVER,	414552	1094405	056	037	SW	7300.00	014	1966		A	A		N	USGS	D
14040103	SKUNK CANYON C NR GREEN R WY	414355	1093039	056	037	SW	15.70	004	1975		M		9		USGS	D
14040103	EIGHT MI C AT FREEZEOUT ISLAND WY	415052	1094644	056	037	SW			1978		A	A		A	USGS	D
14040103	BIG SANDY R AT MOUTH NR LITTLE COLO DESERT W	415125	1094645	056	037	SW			1976		A	A			USGS	D
14040104	BIG SANDY RIVER AT LECHIE RANCH NR. BIG SAND	423500	1091700	056	035	SW	94.00	004	1961		M		A		USGS	D
14040104	BIG SANDY CREEK NEAR FARSON, WYOMING	421901	1092906	056	035	SW	322.00	014	1962		N	A		N	USGS	D
14040104	LITTLE SANDY CREEK ABOVE EDEN, WYO.	421412	1091844	056	037	SW	134.00	014	1963		M	E		9	USGS	D
14040104	PACIFIC C NR FARSON WY	420800	1091900	056	037	SW	500.00		1978		A	A		A	USGS	D
14040104	PACIFIC C NR FARSON WY			056	037	SW			1969		A	A		A	USGS	D
14040104	BIG SANDY RIVER BELOW EDEN WYO	420037	1093457	056	037	SW	1610.00	014	1961		M	A		M	USGS	D
14040104	BIG SANDY R AT GASSON BRIDGE, NR EDEN, WYO.	415643	1094104	056	037	SW	1720.00	014	1975		M	E		7	USGS	D

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14040104	JACK MORROW C SITE A	420205	1085510	056	037	SW			1976	1976	A	A		A	USGS	D
14040104	JACK MORROW C SITE B	420630	1085840	056	037	SW			1976	1976	A	A		A	USGS	D
14040104	PARNELL C SITE C	420630	1085840	056	037	SW			1976	1976	A	A		A	USGS	D
14040104	JACK MORROW C AB ROCK CABIN C NR FARSON WY	420640	1085910	056	037	SW			1978	1980	A	A		A	USGS	D
14040104	ROCK CABIN C AT MOUTH NR FARSON WY	420650	1085940	056	037	SW			1976	1979	A	A		A	USGS	D
14040104	JACK MORROW C AT MOUTH NR FARSON WY	421040	1091400	056	037	SW			1976		A	A		A	USGS	D
14040104	PACIFIC C AB JACK MORROW C NR FARSON WY	421140	1091240	056	037	SW			1976		A	A		A	USGS	D
14040104	N PACIFIC C NR FARSON WY	421200	1091240	056	037	SW			1976		A	A		A	USGS	D
14040105	BITTER CREEK NEAR BITTER CREEK, WYO	412935	1083047	056	037	SW	308.00	004	1975		E	E		E	USGS	D
14040105	DEADMAN WASH NR POINT OF ROCKS WYO	414030	1084410	056	037	SW	152.00	004	1975		M		A		USGS	D
14040105	BITTER CR NR POINT OF ROCKS WYO	414040	1084710	056	037	SW	759.00	004	1975		K	A		K	USGS	D
14040105	BITTER C AB SALT WELLS C NR SALT WELLS WY	413852	1085950	056	037	SW	836.00	024	1975		M	Q	Q	E	USGS	D
14040105	SALT WELLS C NR S BAXTER WY	411156	1085952	056	037	SW	34.70	004	1975		O	Q	Q	O	USGS	D
14040105	GAP C AB BEANS SP C NR S BAXTER WY	411156	1090259	056	037	SW	22.00	004	1975		A	9		A	USGS	D
14040105	BEAN SPRING CR NR SOUTH BAXTER, WY	410943	1090429	056	037	SW	4.92	004	1975		A	9		A	USGS	D
14040105	BEAN SPRING CR NR SOUTH BAXTER, WY	411157	1090302	056	037	SW	13.10	004	1975		R	5		R	USGS	D
14040105	GAP CREEK NEAR SOUTH BAXTER WYOMING	411232	1090306	056	037	SW	35.90	004	1974		O	5		O	USGS	D
14040105	DRY CANYON C NR SOUTH BAXTER WY	411302	1085456	056	037	SW	3.69	004	1976		M		9		USGS	D
14040105	BIG FLAT DRAW NR ROCK SPRINGS WY	411857	1085350	056	037	SW	19.50	004	1975	1976	M	8		8	USGS	D
14040105	CUTTHROAT DRAW NR ROCK SPRINGS WY	412720	1085630	056	037	SW	7.88	004	1975		M		9		USGS	D
14040105	NO NAME C NR ROCK SPRINGS WY	412854	1085817	056	037	SW	18.20	004	1975		M	9		E	USGS	D
14040105	SALT WELLS CR NR ROCK SPRINGS WYO	412900	1085800	056	037	SW	515.00	004	1968		N	K		N	USGS	D
14040105	SALT WELLS CREEK NEAR SALT WELLS WY	413750	1085918	056	037	SW	526.00	004	1976		M	Q	Q	E	USGS	D
14040105	BITTER CR BEL LITTLE BITTER CR NR KANDA WYO	413300	1091815	056	037	SW		004	1975		A	Q	Q	A	USGS	D
14040105	BITTER C TR NR GREEN R WY	413158	1092249	056	037	SW	1.65	004	1975		M				USGS	D
14040105	SALT WELLS C AT SITE X	410515	1085815	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	SALT WELLS C AT SITE A	410630	1085800	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	ALKALI C AT MOUTH NR S BAXTER WY	410722	1085920	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	SALT WELLS C AT SITE B	410730	1085700	056	037	SW			1976	1976	R	R		R	USGS	D
14040105	GAP C NR RED SPRINGS RANCH WY	411003	1090156	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	LITTLE BASIN C AT MOUTH NR SOUTH BAXTER WY	411038	1090421	056	037	SW			1976	1976	N	N		N	USGS	D
14040105	LITTLE BASIN C TRIB	411055	1090602	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	DRY CANYON CR AB PIO RESERVOIR NR S BAXTER W	411352	1085330	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	SALT WELLS C AB GAP C NR S BAXTER WY	411618	1085740	056	007	SW			1976	1976	R	R		R	USGS	D

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14040105	DANS CREEK NR SOUTH BAXTER WY	411622	1085835	056	037	SW			1976	1976	R	R		R	USGS	D
14040105	DRY CANYON AT MOUTH NR SOUTH BAXTER WY	411639	1085644	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	SALT WELLS C BELOW DRY CANYON C NR S. BAXTER	411652	1085647	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	SALT WELLS C AT SITE F	411858	1085455	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	PRETTY WATER CR AT MOUTH NR S BAXTER WY	412126	1085627	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	IRON PIPE DRAW AT FORT LA CLEDE, WY	412437	1082317	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	BITTER C AB ANTELOPE C NR FORT LA CLEDE,WYO	412637	1082704	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	ANTELOPE C AT MOUTH NR FORT LA CLEDE,WYO	412640	1082707	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	BITTER C BL PATRICK DRAW NR BITTER C, WY	413200	1083442	056	037	SW			1976		A	A		A	USGS	D
14040105	BITTER C AT BLACK BUTTES STAGE STATION, WY	413206	1084037	056	037	SW			1976	1976	A	A		A	USGS	D
14040105	RYCKMAN C AT MOUTH NR ELKOL,WY	413355	1083919	056	041	SW			1976		A	A			USGS	D
14040105	L MUDDY C AB RYCKMAN C NR ELKOL,WY	413402	1083919	056	041	SW			1976	1976	A	A		A	USGS	D
14040105	SALT WELLS CR AT IRON CULVERT NR ROCK SPRING	413530	1085715	056	037	SW			1976	1976	A	A		A	USGS	D
14040106	GREEN R. NR GREEN RIVER, WYO.	413059	1092654	056	037	SW	14000.00	124	1950		O	A		O	USGS	D
14040106	GREEN RIVER BELOW GREEN RIVER WYO	412946	1092617	056	037	SW		014	1974		A	A		A	USGS	D
14040106	SQUAW HOLLOW NEAR BURNTFORK, WY	411014	1093634	056	037	SW	6.57	004	1975		M			9	USGS	D
14040106	GREEN R TR NO 2 NR BURNTFORK WY	410340	1093705	056	037	SW	13.00	004	1975	1976	M			9	USGS	D
14040106	HENRYS FORK NEAR LONETREE, WYO.	410023	1101613	056	041	SW	56.00	014	1969		A			A	USGS	D
14040106	MF BEAVER C AT UTAH WHO ST LINE			056	041	SW			1979		M	Q	Q		USGS	
14040106	BURNT FORK NEAR BURNTFORK, WYO.	405647	1100356	049	041	SW	52.80	124	1969		N	N		N	USGS	D
14040106	HENRYS FORK NEAR LINWOOD UT	410045	1094020	056	037	SW	520.00	124	1951		H	K		H	USGS	D
14040106	GREEN RIVER NEAR GREENDALE, UTAH	405430	1092520	049	009	SW	15100.00		1955		2	R		2	USGS	D
14040106	RED CREEK NEAR DUTCH JOHN,UTAH	405811	1091412	049	009	SW	140.00	014	1971		O	E		O	USGS	D
14040106	RED C NR RICHARDS GAP,WY	410114	1091305	056	037	SW			1978		A	A			USGS	D
14040106	RED C NR RED C RANCH, WY	410330	1090453	056	037	SW			1978		A	A			USGS	D
14040106	WASHAM WASH AT MOUTH AT FLAMING GORGE RE WY	410915	1093100	056	037	SW			1978		A	A			USGS	D
14040106	UPPER MARSH C NR ROCK SPRINGS WYO	410927	1093009	056	037	SW			1975	1975	A			A	USGS	D
14040106	SQUAW HOLLOW NR MOUTH AT FLAMING GORGE RE WY	411040	1093440	056	037	SW			1978		A	A		A	USGS	D
14040106	CURRANT C AB CURRANT C RANCH WYO	411255	1092133	056	037	SW			1976	1976	A	A		A	USGS	D
14040106	CURRANT CR NR MOUTH NR MCKINNON JUNCTION WY	411505	1093053	056	037	SW			1976	1976	A	A		A	USGS	D
14040106	BUCKBOARD WASH AT MOUTH AT FLAMING GORGE RE	411510	1093730	056	037	SW			1978		A	A			USGS	D
14040106	SAGE C AB SAGE C RANCH NR SHEEP MOUNTAIN,WYO	411648	1091659	056	037	SW			1976	1976	A	A		A	USGS	D
14040106	SAGE C BL SAGE C RANCH NR GREASEWOOD DRAW,WY	411657	1092657	056	037	SW			1976		A	A		A	USGS	D
14040106	SAGE C NR ROCK SPRINGS WYO	411740	1092828	056	037	SW			1975	1975	A			A	USGS	D

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14040107	BLACKS FORK NEAR ROBERTSON, WYD.	405753	1103438	049	043	SW	130.00	014	1971		A	A		A	USGS	D
14040107	BLACKS FORK NEAR MILLBURNE, WYO.	410154	1103443	056	041	SW	152.00	014	1969		M	E		M	USGS	D
14040107	EAST FORK OF SMITH FORK NR ROBERTSON, WYO.	410315	1102352	056	041	SW	53.00	004	1975		N	N		N	USGS	D
14040107	WEST FORK OF SMITH FORK NR ROBERTSON, WYO.	410120	1102843	056	041	SW	37.20	004	1975		N	N		N	USGS	D
14040107	SMITHS FORK NR ROBERTSON, WYO.	410840	1102537	056	041	SW	144.00	014	1969		A	A		A	USGS	D
14040107	SMITHS FORK NEAR LYMAN, WY	412231	1101214	056	041	SW		014	1974		A	E		H	USGS	D
14040107	MUD SPRING HOLLOW NR CHURCH BUTTE NR LYMAN W	412305	1101112	056	041	SW	8.83	004	1975		M		A		USGS	D
14040107	BLACKS FK NR LYMAN WYO	412708	1101020	056	041	SW	821.00	014	1962		R	A		R	USGS	D
14040107	HAMS FORK BL POLE CR, NR FRONTIER, WYO.	420638	1104234	056	023	SW	128.00	004	1975		M	E		7	USGS	D
14040107	HAMS FORK NEAR GRANGER, WYO.	413556	1095928	056	037	SW	670.00	014	1965		K	A		K	USGS	D
14040107	BLACKS F TR NR GRANGER WY	413204	1095611	056	037	SW	5.03	004	1975		M				USGS	D
14040107	BLACKS FORK RIVER NEAR LITTLE AMERICA WYO	413246	1094134	056	037	SW	3100.00	014	1951		2	A		2	USGS	D
14040107	MEADOW SPRINGS WASH TR NR GREEN R	413237	1094536	056	037	SW	5.22	004	1975		M		9		USGS	D
14040107	BLACKS FORK TRIB NO 2 NR GREEN RIVER WYO	412735	1093720	056	037	SW	12.00	004	1975		M		9		USGS	D
14040107	BLACKS F TR NO 3 NR GREEN R WY	412530	1093655	056	037	SW	3.59	004	1975		M		9		USGS	D
14040107	BLACKS F TR NO 4 NR GREEN R WY	412440	1093605	056	037	SW	1.26	004	1975		M		9		USGS	D
14040107	SUMMERS DRY C NR GREEN RIVER WY	412225	1093840	056	037	SW	423.00	004	1975		M	9		8	USGS	D
14040107	LEAVITT C NR MOUTAIN VIEW WY	411432	1101325	056	041	SW			1978		A	A			USGS	D
14040107	L MUDDY C AB WARFIELD C NR ELKOL,WY	413827	1104239	056	023	SW			1976	1976	A	A		A	USGS	D
14040107	N F L MUDDY C TRIB NO. 2 NR ELKOL,WY	414351	1103409	056	023	SW			1976	1976	A	A		A	USGS	D
14040107	WILLOW C AT MOUTH NR FRONTIER, WY	415016	1103155	056	023	SW			1978	1979	A	A		A	USGS	D
14040108	DEADMAN WASH NR POINT OF ROCKS WYO	414030	1084410	056	037	SW			1976	1976	A	A		A	USGS	D
14040108	LITTLE MUDDY C NR GLENCOE WY	413454	1103342	056	023	SW	416.00	004	1975		M		A		USGS	D
14040108	MUDDY CREEK NEAR HAMPTON WYO	413217	1101343	056	041	SW	963.00	004	1975		M		A		USGS	D
14040108	MUDDY C NR PIEDMONT WY	411548	1103627	056	041	SW			1978	1979	A	A		A	USGS	D
14040108	ANTELOPE C AT MOUTH, NR LEROY, WY	411747	1103740	056	041	SW			1978	1979	A	A		A	USGS	D
14040108	MUDDY C AB SODA HOLLOW, NR LEROY, WY	411748	1103738	056	041	SW			1976	1979	A	A		A	USGS	D
14040108	MUDDY C AB ROCK C NR CARTER,WY	412522	1102950	056	041	SW			1976	1979	A	A		A	USGS	D
14040108	MUDDY C AT HAMPTON,WY	413228	1101812	056	041	SW			1976	1979	A	A		A	USGS	D
14040108	ALBERT C BL WHITNEY C NR CUMBERLAND GAP, WY	413258	1103533	056	041	SW			1978		A	A			USGS	D
14040108	L MUDDY C NR MOUTH NR HAMPTON,WY	413316	1101624	056	041	SW			1976		A	A		A	USGS	D
14040108	L MUDDY C AB BELL C NR ELKOL,WY	413452	1104018	056	023	SW			1976	1976	A	A			USGS	D
14040108	L MUDDY C AB N F NR GLENCO,WY	413459	1103404	056	023	SW			1976		A	A		A	USGS	D
14040108	N F L MUDDY C AT MOUTH NR GLENCO,WY	413513	1103400	056	023	SW			1976		A	A		A	USGS	D

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14040108	L MUDDY C AB SHEEP C NR ELKOL,WY	413648	1104217	056	023	SW			1976	1976	A	A		A	USGS	D
14040108	SHEEP C AT MOUTH NR ELKOL,WY	413648	1104220	056	023	SW			1976		A	A		A	USGS	D
14040108	CARTER C AT MOUTH AT ELKOL,WY	413740	1104232	056	023	SW			1976		A	A		A	USGS	D
14040108	N F L MUDDY C NR ELKOL WY	413755	1103336	056	023	SW			1976	1976	A	A		A	USGS	D
14040108	WARFIELD C AT MOUTH NR ELKOL,WY	413827	1104235	056	023	SW			1976	1979	A	A		A	USGS	D
14040108	CHICKEN C AB ROAD HOLLOW NR ELKOL,WY	413937	1104810	056	023	SW			1976	1976	A	A		A	USGS	D
14040108	ROAD HOLLOW AT MOUTH NR ELKOL,WY	413942	1104808	056	023	SW			1976	1976	A	A		A	USGS	D
14040108	NF LITTLE MUDDY C TRIB AT BLAZON GAP, WY	414109	1103313	056	023	SW			1978	1979	A	A			USGS	D
14040108	N F L MUDDY C AT BLAZON JUNCTION,WY	414127	1103323	056	023	SW			1976	1979	A	A			USGS	D
14040108	NF LITTLE MUDDY C TRIB NR ELKOL, WY	414332	1103350	056	023	SW			1978	1979	A	A		A	USGS	D
14040108	NF LITTLE MUDDY C TRIB NR ELKOL, WY	414333	1103345	056	023	SW			1978	1979	A	A		A	USGS	D
14040108	N F L MUDDY C TRIB NO. 1 NR ELKOL,WY	414351	1103405	056	023	SW			1976	1976	A	A		A	USGS	D
14040109	VERMILLION CREEK NEAR HIAWATHA COLO	410054	1083839	056	037	SW	196.00	004	1975		M	Q	Q		USGS	D
14040109	VERMILLION CREEK AT INK SPRINGS RANCH, CO.	404543	1084333	008	081	SW			1977		K	R		A	USGS	D
14040109	ALKALI C AT MOUTH, NR HIAWATHA, COLO	410130	1083825	056	037	SW			1978	1979	A	A		A	USGS	D
14040109	VERMILLION C AB ALKALI C, NR HIAWATHA, COLO	410130	1083840	056	037	SW			1978	1979	A	A		A	USGS	D
14040109	SALT WELLS C BL PINE LK NR S BAXTER WY	410417	1085853	056	037	SW			1976	1976	A	A		A	USGS	D
14040109	NF VERMILLION C NR PINE MTN WY	410418	1085730	056	037	SW			1976	1976	A	A		A	USGS	D
14040109	COYOTE C AT MOUTH NR HIAWATHA CO	410519	1084721	056	037	SW			1976	1976	A	A		A	USGS	D
14040109	VERMILLION C AB COYOTE C, NR HIAWATHA, CO	410520	1084720	056	037	SW			1976	1976	A	A		A	USGS	D
14040109	NF VERMILLION C NR RIFE RANCH WY	410626	1085214	056	037	SW			1976	1976	A	A		A	USGS	D
14040109	SHELL C AB COW C RE	410917	1082533	056	037	SW			1978		A	A			USGS	D
14040200	SEPARATION C AT UP STA NR RINER WY	413752	1073227	056	007	SW			1975		K	K		K	USGS	D
14040200	SEPARATION C NR RINER WYO	414122	1073200	056	007	SW			1975		N	N		N	USGS	D
14040200	SEPARATION C AT UPPER STA NR RINER	413752	1073227	056	007	SW	41.80	004	1975		M		9		USGS	D
14040200	SEPARATION C NR RINER WYO	413938	1073328	056	007	SW	53.30	004	1974		O	Q	Q	O	USGS	D
14040200	DELANEY DRAW NR RED DESERT WYO	413818	1080726	056	037	SW	32.80	004	1976		S	A		S	USGS	D
14040200	SITE S-10	413239	1072912	056	007	SW			1976	1976	K	K		R	USGS	D
14040200	SITE S-8	413349	1072729	056	007	SW			1976	1976	A	A		A	USGS	D
14040200	SITE S-14	413404	1073110	056	007	SW			1976	1976	K	K		A	USGS	D
14040200	SITE S-6	413507	1072556	056	007	SW			1976	1976	K	K		A	USGS	D
14040200	SITE S-20A	413731	1072851	056	007	SW			1976	1976	R	R		R	USGS	D
14040200	SITE S-20B	413731	1072851	056	007	SW			1976	1976	R	R		R	USGS	D
14040200	SITE S-20C	413731	1072851	056	007	SW			1976	1976	R	R		R	USGS	D

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14040200	SITE S-27	413753	1073336	056	007	SW			1976	1976	R	R		R	USGS	D
14040200	SEPERATION C RILL A2R BL GAGE NR RINER WY	413937	1073323	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	SEPARATION CR RILL AIL BL GAGE NR RINER WY	413940	1073330	056	037	SW			1976	1976	A			A	USGS	D
14040200	LARSON DRAW NR COMMAND CENTER	414106	1073040	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	SITE S-32	414122	1073201	056	037	SW			1975		R	R		R	USGS	D
14040200	SITE S-39	414515	1072815	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	SITE S-41	414637	1072652	056	007	SW			1976	1976	A	A		A	USGS	D
14040200	RED C AB HAY RES	420225	1081832	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST C BL EAGLES NEST SPRING NR BAIROIL WY	420425	1080730	056	037	SW			1976	1979	A	A		A	USGS	D
14040200	BUSH C AT MOUTH	420438	1081830	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST C AB EAGLES NEST SPRING	420604	1080707	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	RED C AT ROCKY CROSSING	420823	1082209	056	037	SW			1976	1979	A	A		A	USGS	D
14040200	RED C TRIB AT ROCKY CROSSING	420823	1082209	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST C AT GOODFORD CROSSING	420848	1080700	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	RED C TRIB NR 5-FINGERS BUTTE	420915	1082500	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	RED C NR FIVE FINGERS BUTTE	420915	1082500	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	BEAR C NR HONEYCOMB BUTTE	421015	1083630	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	BEAR C AB NORTH FORK BEAR C	421020	1083300	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	NORTH FORK BEAR C AT MOUTH	421020	1083300	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST SOLDIER C NR LOST SOLDIER LAKE	421200	1072850	056	007	SW			1976	1976	A	A		A	USGS	D
14040200	LOST C AB BIG BEND	421255	1080620	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST C TRIB AB BIG BEND	421300	1080628	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	RED C AT FOOTHILLS	421300	1083530	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST C BL ARAPAHOE C	421310	1080515	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST SOLDIER C NR BAIROIL	421322	1073318	056	007	SW			1976	1976	A	A		A	USGS	D
14040200	RED C AT CYCLONE RIM	421403	1082730	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST C AB ARAPAHOE C	421438	1080350	056	037	SW			1976	1976	A	A		A	USGS	D
14040200	LOST C TRIB AB ARAPAHOE C	421440	1080350	056	037	SW			1976	1976	A	A		A	USGS	D
14050001	WHISKEY CREEK 9MI N COLUMBINE	405800	1065500	008	107	SW			1977		A				USFS	D
14050001	M FK LITTLE SNAKE NR COLUMBINE	405600	1065500	008	107	SW			1977		A				USFS	D
14050001	BEAR RIVER #1,14 MI SW YAMPA COL	400200	1070700	008	045	SW			1974	1975	A				USFS	D
14050001	BEAR RIVER #2,13 MI SW YAMPA COL	400300	1070400	008	045	SW			1974	1975	A				USFS	D
14050001	BEAR RIVER #3,10 MI SW YAMPA COL	400400	1070200	008	045	SW			1974	1975	A				USFS	D
14050001	FLOYD CREEK ABV. FRST BDRY	404700	1070100	008	107	SW			1975	1975	A				USFS	D

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14050001	FISH CREEK NEAR STEAMBOAT SPRING	402755	1064915	008	107	SW	26.00	024	1947	1976	E			E	USGS	D
14050001	YAMPA RIVER AT STEAMBOAT SPRINGS, CO.	402901	1064954	008	107	SW	604.00	024	1949		E	E		E	USGS	D
14050001	MAD CREEK NEAR STEAMBOAT SPRINGS	403356	1065319	008	107	SW	40.00	024	1957	1976	E			E	USGS	D
14050001	ELK RIVER NEAR TRULL, CO.	403053	1065712	008	107	SW	415.00	024	1947	1976	E			E	USGS	D
14050001	MIDDLE CREEK NEAR OAK CREEK, CO.	402308	1065933	008	107	SW	23.50	004	1975		M				USGS	D
14050001	FOIDEL CREEK NEAR OAK CREEK, CO.	402045	1070504	008	107	SW	8.61		1975		M				USGS	D
14050001	FOIDEL CREEK AT MOUTH, NEAR OAK CREEK, CO.	402325	1065939	008	107	SW	17.50	004	1975		N			R	USGS	D
14050001	YAMPA RIVER BELOW DIVERSION, NEAR HAYDEN, CO	402918	1070933	008	107	SW	1430.00		1975		E	E		E	USGS	D
14050001	STOKES GULCH NEAR HAYDEN, CO.	402806	1071447	008	107	SW	13.60		1978		R			R	USGS	D
14050001	ELKHEAD CREEK NEAR ELKHEAD, CO.	404011	1071705	008	107	SW	64.20	004	1957		E	E		E	USGS	D
14050001	NORTH FORK ELKHEAD CREEK NEAR ELKHEAD, CO.	404050	1071712	008	107	SW	21.00	004	1975	1975	A			A	USGS	D
14050001	ELKHEAD CREEK NEAR CRAIG, CO.	403152	1072608	008	081	SW	249.00	024	1957	1979	E			E	USGS	D
14050001	YAMPA RIVER BELOW ELKHEAD CREEK NEAR CRAIG,	402950	1073034	008	081	SW		024	1975		E				USGS	D
14050001	YAMPA RIVER AT CRAIG, CO.	402945	1073310	008	081	SW	1730.00	024	1947	1976	E			E	USGS	D
14050001	YAMPA RIVER BELOW CRAIG, CO.	402904	1073623	008	081	SW		024	1975		K	A		A	USGS	D
14050001	WILLIAMS FORK AT MOUTH, NEAR HAMILTON, CO.	402614	1073850	008	081	SW		024	1975		N	R		N	USGS	D
14050001	CHIMNEY CREEK AT TRAPPER, CO.	400612	1065248	008	107	SW			1975		E			E	USGS	D
14050001	YAMPA RIVER AT PHIPPSBURG, CO.	401418	1065622	008	107	SW			1975		E			E	USGS	D
14050001	LITTLE MORRISON CREEK NEAR STAGE	401634	1065022	008	107	SW			1975		E			E	USGS	D.
14050001	OAK CREEK AB OAK CREEK DRAIN NEA	401725	1065756	008	107	SW			1972		E			E	USGS	D
14050001	OAK CREEK ABOVE ROUTT, CO.	401741	1065746	008	107	SW			1972		E			E	USGS	D
14050001	HARRISON CREEK AT MOUTH NR BLACK	402056	1064716	008	107	SW			1975	1975	A			A	USGS	D
14050001	WILLIAMS FORK BL MORAPOS CREEK A	402221	1073652	008	081	SW			1975	1975	A			A	USGS	D
14050001	YAMPA RIVER AB OAK CREEK NR STEA	402356	1065000	008	107	SW			1975		E			E	USGS	D
14050001	FISH CREEK AT MOUTH NEAR MILNER,	402530	1065857	008	107	SW			1975		E			E	USGS	D
14050001	TROUT CREEK BELOW FOIDEL CREEK N	402536	1065827	008	107	SW			1975	1975	A			A	USGS	D
14050001	YAMPA RIVER BELOW OAK CREEK NR S	402544	1064936	008	107	SW			1975		E			E	USGS	D
14050001	BURGESS CREEK BL SKI AREA NR STE	402720	1064815	008	107	SW			1975	1975	A				USGS	D
14050001	BURGESS CREEK AB SKI AREA NR STE	402802	1064710	008	107	SW			1975		E				USGS	D
14050001	YAMPA RIVER AB SEWAGE PLANT BL S	402934	1065054	008	107	SW			1975		E			E	USGS	D
14050001	FORTIFICATION CREEK BELOW CRAIG,	403038	1073218	008	081	SW			1975	1975	A			A	USGS	D
14050001	FORTIFICATION CREEK ABOVE CRAIG,	403251	1073142	008	081	SW			1975		E			E	USGS	D
14050001	ELKHEAD CREEK ABOVE ELKHEAD RESE	403530	1071913	008	107	SW			1975		E			E	USGS	D
14050001	ELK RIVER BELOW SOUTH FORK AT HI	404506	1064929	008	107	SW			1975		E			E	USGS	D

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14050001	NORTH FORK ELK RIVER NEAR HINMAN	404620	1064622	008	107	SW			1975	1975	A				USGS	D
14050002	GOOD SPRING CREEK AT AXIAL, CO.	401725	1074722	008	081	SW	40.00		1973		A			A	USGS	D
14050002	TAYLOR CREEK AT MOUTH NEAR AXIAL, CO.	401848	1074757	008	081	SW	7.22	004	1974		A	A		A	USGS	D
14050002	WILSON CREEK NEAR AXIAL, CO.	401856	1074750	008	081	SW	20.10		1973		W			0	USGS	D
14050002	JUBB CREEK NEAR AXIAL, CO.	401845	1074918	008	081	SW	7.53		1974		M				USGS	D
14050002	YAMPA RIVER NEAR MAYBELL, CO.	403010	1080145	008	081	SW	3410.00	124	1949		0	E		0	USGS	D
14050002	STINKING GULCH NEAR THRONBURGH,	401601	1073953	008	081	SW			1975		E			E	USGS	D
14050002	MILK CREEK NEAR MOUTH NEAR AXIAL	402154	1074531	008	081	SW			1975		E			E	USGS	D
14050003	MIDDLE FK LITTLE SNAKE NR COLUMB	405600	1065500	008	107	SW			1973	1975	A				USFS	D
14050003	WHISKEY CR,9 MI NO COLUMBINE	405800	1065500	008	107	SW			1973	1975	A				USFS	D
14050003	NF L SNAKE R NR SLATER COLO	410055	1070120	056	007	SW	29.30	004	1978		A				USGS	D
14050003	LITTLE SNAKE RIVER NEAR SLATER, CO.	405958	1070834	008	107	SW	285.00	004	1957		R	A		R	USGS	D
14050003	BATTLE C NR ENCAMPMENT WYO	410800	1070350	056	007	SW	12.80	004	1978		A			A	USGS	D
14050003	BATTLE CREEK NEAR SLATER, CO.	410012	1071416	056	007	SW	85.30	024	1975		S			A	USGS	D
14050003	SLATER FORK NEAR SLATER, CO.	405854	1072258	008	081	SW	161.00	004	1957		A	A		A	USGS	D
14050003	SAVERY CREEK AT UPPER STATION, NEAR SAVERY.	411305	1072218	056	007	SW	200.00	024	1957	1978	A	A		A	USGS	D
14050003	SAVERY CREEK NEAR SAVERY, WY.	410552	1072253	056	007	SW	330.00	124	1975		A	A		A	USGS	D
14050003	SAVERY CREEK AT SAVERY, WY.	410120	1072650	056	007	SW	354.00	124	1957	1979	A			A	USGS	D
14050003	LITTLE SNAKE RIVER NEAR DIXON, WY.	410142	1073255	056	007	SW	988.00	124	1957		N	A		N	USGS	D
14050003	WILLOW CREEK NEAR DIXON, WY.	405456	1073116	008	081	SW	24.00	014	1957	1978	A	A		A	USGS	D
14050003	LITTLE SNAKE RIVER NEAR BAGGS, WY.	410011	1075511	056	037	SW	3020.00	014	1965		A	A			USGS	D
14050003	LITTLE SNAKE AB LILY COLO	403627	1082011	008	081	SW			1950	1969	E	E			USGS	D
14050003	LITTLE SNAKE RIVER ABOVE LILY, CO.	403627	1082011	008	081	SW			1949	1970	2			2	USGS	D
14050003	LITTLE SNAKE RIVER NEAR LILY, CO.	403250	1082525	008	081	SW	3730.00		1950		E	E		E	USGS	D
14050003	WHISKEY CREEK AB WHISKEY PARK NR COLUMBINE,	405855	1065435	008	107	SW			1972		A			A	USGS	D
14050003	POISON DRAW,NR BAGGS,WY	410154	1074648	056	007	SW			1978	1979	A	A			USGS	D
14050003	SAND CREEK,NR BAGGS,WY	410229	1075216	056	007	SW			1978		A	A		A	USGS	D
14050003	RED C TRIB TO SD C NR BAGGS WY	410231	1075200	056	007	SW			1978		A	A			USGS	D
14050003	COTTONWOOD CR NR BAGGS WY	410740	1072920	056	007	SW			1978		A	A		A	USGS	D
14050003	SAND C NR PREHISTORIC RIM, WY	411036	1080730	056	037	SW			1978		A	A			USGS	D
14050003	SKULL CREEK TRIB SD CK	411134	1081020	056	037	SW			1978		A	A			USGS	D
14050004	MUDDY C AB DRY COW C NR BAGGS WY			056	007	SW			1978		M	Q	Q		USGS	
14050004	DRY COW C NR BAGGS WY	412024	1074014	056	007	SW	49.70	004	1975		M	9		9	USGS	D
14050004	MUDDY CREEK ABOVE BAGGS, WY.	410755	1073845	056	007	SW	1178.00	004	1976	1979	A	A			USGS	D

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14050004	SAND C NR BAGGS WY			056	007	SW			1977		M	Q	Q		USGS	
14050004	COW C AT MOUTH NR BAGGS WY	411711	1074100	056	007	SW			1976	1976	A	A		A	USGS	D
14050004	MUDDY C AB CANARY GROVE DRAW NR BAGGS, WY	412325	1072441	056	007	SW			1976	1976	A	A		A	USGS	D
14050004	MUDDY C NR DAD WY	412614	1074521	056	007	SW			1976		A	A		A	USGS	D
14050004	MUDDY C AB LITTLEFIELD C AT MC KEIL HOMESTEA	412634	1072700	056	007	SW			1976	1976	A	A		A	USGS	D
14050004	LITTLEFIELD C AT MOUTH AT MCKEIL HOMESTEAD W	412636	1072700	056	007	SW			1976	1976	A	A		A	USGS	D
14050004	ALAMOSA C NR SULFUR SPRINGS RANCH, WY	412925	1073302	056	007	SW			1976	1976	A	A		A	USGS	D
14050004	MUDDY C AB ALAMOSA C NR SULFUR SPRINGS RANCH	412928	1073310	056	007	SW			1976	1976	A	A		A	USGS	D
14050005	LOST CREEK NEAR BUFORD, CO.	400301	1072806	008	103	SW	21.50	004	1975	1978	A	A		A	USGS	D
14050005	MARVINE CREEK NEAR BUFORD, CO.	400218	1072915	008	103	SW	59.70	024	1975	1978	A	A		A	USGS	D
14050005	NORTH FORK WHITE RIVER AT BUFORD, CO.	395915	1073650	008	103	SW	260.00	024	1952		E	E		E	USGS	D
14050005	SOUTH FORK WHITE RIVER NEAR BUFORD, CO.	395518	1073304	008	103	SW	152.00	004	1975		E	E		E	USGS	D
14050005	WHITE RIVER ABOVE COAL CREEK, NEAR MEEKER, C	400018	1074929	008	103	SW	648.00	024	1973		A	A		A	USGS	D
14050005	WHITE RIVER NEAR MEEKER, CO.	400201	1075142	008	103	SW	755.00	024	1947		A	A		A	USGS	D
14050005	WHITE RIVER BELOW MEEKER, CO.	400048	1080533	008	103	SW	1024.00	024	1978		R	A			USGS	D
14050006	PICEANCE CREEK BELOW RIO BLANCO, CO.	394934	1081057	008	103	SW	177.00	024	1973		3	E		0	USGS	D
14050006	MIDDLE FORK STEWART GULCH NEAR RIO BLANCO, C	394720	1081023	008	103	SW	24.00		1976		E			E	USGS	D
14050006	STEWART GULCH AB WEST FORK, NEAR RIO BLANCO,	394848	1081100	008	103	SW	44.00		1973		3			0	USGS	D
14050006	WEST FORK STEWART GULCH NEAR RIO BLANCO, CO.	394701	1081121	008	103	SW	14.20	004	1973		7			6	USGS	D
14050006	W F STEWART GULCH AT MOUTH, NEAR RIO BLANCO,	394845	1081100	008	103	SW	15.70		1975		E	E		E	USGS	D
14050006	SORGHUM GULCH NEAR RIO BLANCO, CO.	394707	1081233	008	103	SW	1.22		1974		E			6	USGS	D
14050006	SORGHUM GULCH AT MOUTH, NEAR RIO BLANCO, CO.	394930	1081155	008	103	SW	3.62		1974	1978	7			A	USGS	D
14050006	COTTONWOOD GULCH NEAR RIO BLANCO, CO.	394936	1081225	008	103	SW	1.20		1973		E			7	USGS	D
14050006	PICEANCE CREEK TRIBUTARY NEAR RIO BLANCO, CO	395001	1081312	008	103	SW	1.06		1974	1978	E			E	USGS	D
14050006	SCANDARD GULCH NEAR RIO BLANCO, CO.	394738	1081340	008	103	SW	6.61		1975		4			E	USGS	D
14050006	SCANDARD GULCH AT MOUTH, NEAR RIO BLANCO, CO	394851	1081435	008	103	SW	7.97		1973		E	A		A	USGS	D
14050006	WILLOW CREEK NEAR RIO BLANCO, CO.	395014	1081437	008	103	SW	48.40		1973		3			0	USGS	D
14050006	PICEANCE CREEK AB HUNTER C, NEAR RIO BLANCO,	395102	1081530	008	103	SW	309.00		1973		3	E		0	USGS	D
14050006	BLACK SULPHUR CREEK NEAR RIO BLANCO, CO.	395217	1081713	008	103	SW	103.00	024	1974		3			0	USGS	D
14050006	PICEANCE CREEK BL RYAN GULCH, NR RIO BLANCO,	395516	1081749	008	103	SW	506.00	024	1970		5	E		0	USGS	D
14050006	PICEANCE CREEK AT WHITE RIVER, CO.	400439	1081408	008	103	SW	652.00	024	1965		0	E		0	USGS	D
14050006	STAKE SPRINGS DRAW NEAR RANGELY, CO.	395537	1082514	008	103	SW	26.10		1976		E			E	USGS	D
14050006	CORRAL GULCH BELOW WATER GULCH, NR RANGELY,	395422	1083156	008	103	SW	8.61		1973		7	E		7	USGS	D
14050006	DRY FORK NEAR RANGELY, CO.	395520	1083155	008	103	SW	2.74		1974		A			6	USGS	D

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14050006	BOX ELDER GULCH NEAR RANGELY, CO.	395318	1083140	008	103	SW	9.21	004	1973		E			X	USGS	D
14050006	BOX ELDER GULCH TRIBUTARY NEAR RANGELY, CO.	395450	1082905	008	103	SW	2.39		1975		4			A	USGS	D
14050006	CORRAL GULCH NEAR RANGELY, CO.	395513	1082820	008	103	SW	31.60		1973		W	E		O	USGS	D
14050006	CORRAL GULCH AT 84 RANCH, CO.	395602	1082535	008	103	SW	37.80	004	1974		5			5	USGS	D
14050006	YELLOW CREEK TRIBUTARY NEAR 84 RANCH, CO.	395802	1082315	008	103	SW	5.53		1975		E			E	USGS	D
14050006	DUCK CREEK AT UPPER STATION NEAR 84 RANCH, C	395855	1082710	008	103	SW	39.10	004	1975		E			R	USGS	D
14050006	DUCK CREEK NEAR 84 RANCH, CO.	395849	1082427	008	103	SW	50.00		1975	1978	O				USGS	D
14050006	YELLOW CREEK NEAR WHITE RIVER, CO.	401007	1082402	008	103	SW	262.00		1965		W	E		O	USGS	D
14050007	WHITE RIVER ABOVE RANGELY, CO.	400626	1084244	008	103	SW	2773.00	024	1972		E	E		E	USGS	D
14050007	WHITE R. NR. COLO. STATE LINE, UT.	400050	1090448	049	047	SW		004	1975		M			O	USGS	D
14050007	WHITE RIVER ABV HELLS HOLE CANYON NR WATSON	395826	1090749	049	047	SW	3700.00	004	1974	1978	P	Q	Q		USGS	C
14050007	HELL'S HOLE CAN AT MOUTH NR WATSON UT	395826	1090838	049	047	SW	24.50	004	1975				Q		USGS	C
14050007	EVACUATION CREEK ABV MISSOURI CR NR DRAGON U	394752	1090430	049	047	SW	100.00	004	1974		M	Q	Q		USGS	C
14050007	EVACUATION CR BLW PARK CAN NR WATSON UT	395054	1090748	049	047	SW	246.00	004	1974	1978	P	Q	Q		USGS	C
14050007	THIMBLE ROCK CAN NR WATSON UT	394930	1090937	049	047	SW	1.70	004	1974	1975			Q		USGS	C
14050007	EVACUATION CREEK AT WATSON UTAH	395258	1090924	049	047	SW	259.00	004	1974	1975	P	Q	Q		USGS	C
14050007	EVACUATION CR TRIBUTARY NR WATSON UT	395400	1090920	049	047	SW	12.40	004	1974	1975			Q		USGS	C
14050007	EVACUATION CR NR MOUTH NR WATSON,UT	395704	1090931	049	047	SW	284.00	004	1973		P	Q	Q	O	USGS	D
14050007	WHITE R NR WATSON UT	395846	1091041	049	047	SW	4020.00	014	1949	1979	2			2	USGS	D
14050007	WHITE R ABV SOUTHAM CAN NR WATSON UT	395715	1091528	049	047	SW	4030.00	004	1974	1978	P	Q	Q		USGS	C
14050007	SOUTHAM CAN WASH NR WATSON UT	395421	1091216	049	047	SW	2.50	004	1976	1978			Q		USGS	C
14050007	SOUTHAM CAN WASH AT MOUTH NR WATSON UT	395650	1091406	049	047	SW	8.30	004	1976	1978			Q		USGS	C
14050007	ASPHALT WASH BLW CENTER FORK NR WATSON UT	395426	1091555	049	047	SW	94.40	004	1976	1978			Q		USGS	C
14050007	ASPHALT WASH NR MOUTH NR WATSON, UTAH	395628	1091619	049	047	SW	97.50	004	1975				Q		USGS	C
14050007	WHITE R BLW ASPHALT WASH NR WATSON UT	395532	1091730	049	047	SW	4130.00	004	1974	1978	P	Q	Q		USGS	C
14050007	BITTER CREEK ABOVE DICK CANYON	393203	1090559	049	047	SW	11.70	004	1974	1978	M	Q	Q		USGS	C
14050007	SWEETWATER CANYON BLW SOUTH CAN NR WATSON UT	393206	1091321	049	047	SW	22.60	004	1974	1978	M	Q	Q		USGS	C
14050007	SWEETWATER CANYON CR NR MOUTH, NR WATSON, UT	393931	1091958	049	047	SW	124.00		1975	1978			Q		USGS	C
14050007	BITTER CREEK NR BONANZA, UTAH	394512	1092115	049	047	SW	324.00	014	1975		A			A	USGS	D
14050007	BITTER CR AT MOUTH NR BONANZA UT	395758	1092459	049	047	SW	398.00	004	1974		M	Q	Q		USGS	C
14050007	SAND WASH NR OURAY UT	395601	1092946	049	047	SW	59.70		1976				Q		USGS	C
14050007	COYOTE WASH NR MOUTH NR OURAY, UTAH	400315	1092836	049	047	SW	228.49		1976					O	USGS	D
14050007	WHITE RIVER AT MOUTH NEAR OURAY UTAH	400354	1093806	049	047	SW	5120.00	004	1973		O	E		O	USGS	D
14060001	GREEN RIVER NEAR JENSEN, UTAH	402434	1091405	049	047	SW	25400.00	014	1947		O	E		O	USGS	D

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14060003	DUCHESNE RIVER NEAR RANDLETT, UTAH	401257	1094705	049	047	SW	3920.00	014	1949		Q	R		K	USGS	D
14060005	GREEN RIVER NEAR OURAY, UTAH	400420	1094340	049	047	SW	35500.00	014	1949	1966	2	K		2	USGS	D
14060005	PARIETTE DRAW NEAR MYTON, UTAH	400457	1095222	049	047	SW		004	1975		M	Y	Y		USGS	P
14060005	PARIETTE DRAW NR EIGHT MILE FLAT NEAR MYTON	400310	1094906	049	047	SW			1975		K	Y	Y	K	USGS	D
14060005	PARIETTE DRAW AT MOUTH NEAR OURAY, UTAH	400154	1094505	049	047	SW			1975		M	Y	Y		USGS	P
14060006	REID RANCH CANAL NR OURAY UT	393358	1093522	049	047	SW			1974	1977			Q		USGS	C
14060006	HILL CR ABV TOWAVE RES NR OURAY UT	393130	1094354	049	047	SW	89.70	004	1974		M	Q	Q		USGS	C
14060006	HILL CR NR MOUTH NR OURAY UT	395235	1094229	049	047	SW	288.00		1975				Q		USGS	C
14060006	WILLOW CREEK NEAR OURAY, UTAH	395630	1093900	049	047	SW	897.00	014	1949		W	Q	Q	O	USGS	D
14060007	SWASEY CREEK BELOW SUMMER HOMES	391633	1111658	049	015	SW			1967		E				USFS	D
14060007	BLACK CANYON AT BRIDGE	392236	1111622	049	015	SW			1970		E				USFS	D
14060007	PLEASANT VALLEY CR. BLW WINTER QUARTER GR AT	394318	1110938	049	007	SW	29.10	004	1978		Q	Q	Q		USGS	
14060007	SPRING CANYON BLW SOWBELLY GULCH AT HELPER,	394119	1105309	049	007	SW	23.00	004	1978		Q	Q	Q		USGS	
14060007	COAL CREEK NEAR HELPER	394209	1104038	049	007	SW	25.30		1976		R	R	R		USGS	D
14060007	HORSE CANYON NR. SUNNYSIDE, UT.	392726	1102133	049	007	SW	12.50	004	1978		Q	Q	Q		USGS	
14060007	PRICE RIVER AT WOODSIDE, UTAH	391550	1102045	049	015	SW	1500.00	014	1921		Q	A		Q	USGS	D
14060008	GREEN RIVER AT GREEN RIVER, UTAH	385910	1100902	049	015	SW	40600.00	014	1928		O	K		O	USGS	D
14060009	SWASEY DIVERSION BELOW FOREST BD	391518	1111117	049	015	SW			1972		E				USFS	D
14060009	SEELY CREEK AT GAGE	391739	1111744	049	015	SW			1967		E				USFS	D
14060009	LOWRY WATER AT POTTERS PONDS	392606	1111615	049	015	SW			1973		E				USFS	D
14060009	HUNTINGTON CREEK FLUSH 321	393147	1110915	049	007	SW			1979		A				USFS	D
14060009	HUNTINGTON CREEK FLUSH 322	393336	1111020	049	007	SW			1979		A				USFS	D
14060009	HUNTINGTON CREEK FLUSH 323	393515	1111150	049	007	SW			1979		A				USFS	D
14060009	HUNTINGTON CREEK FLUSH 324	393535	1111210	049	007	SW			1979		A				USFS	D
14060009	LOWER STRAIGHT CYN. AT FOREST BD	391636	1111115	049	015	SW			1967		E				USFS	D
14060009	UPPER STRAIGHT CANYON	391717	1111500	049	015	SW			1971		E				USFS	D
14060009	LOWRY WATER AT GAGE	391919	1111634	049	015	SW			1967		E				USFS	D
14060009	INDIAN CREEK AT GAGE	392100	1111611	049	015	SW			1972		E				USFS	D
14060009	REEDER CYN BELOW SUMMER HOMES	392016	1111644	049	015	SW			1970		E				USFS	D
14060009	LITTLES CREEK AT GAGE	391814	1111759	049	039	SW			1970		E				USFS	D
14060009	LITTLES CREEK AT HI-WAY BRIDGE	391815	1111724	049	015	SW			1967		E				USFS	D
14060009	INDIAN CREEK AT ROAD CULVERT	392052	1111645	049	015	SW			1971		E				USFS	D
14060009	FERRON CREEK USGS STATION	390604	1111247	049	015	SW			1972		B				USFS	
14060009	INDIAN CREEK AT ROAD CULVERT	392052	1111613	049	015	SW			1970	1972	B				USFS	C

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14060009	LITTLES CREEK AT GAGING STATION	391814	1111759	049	015	SW			1970		B				USFS	C
14060009	CRANDALL CANYON AT MOUTH, NR HUNTINGTON, UT	392748	1110854	049	015	SW	5.70		1976		R	R	R		USGS	D
14060009	TIE FORK CANYON NR. HUNTINGTON, UTAH	392731	1110811	049	015	SW	11.70	004	1978		R	R	R		USGS	D
14060009	EPHRAIM TUNNEL NEAR EPHRAIM, UTAH	391947	1112551	049	039	SW		024	1971		Q	Q	Q		USGS	
14060009	COTTONWOOD CR.ABV STR.CANYON,NR ORANGEVILLE.	391826	1111102	049	015	SW	21.90	004	1978		R	R	R		USGS	D
14060009	COTTONWOOD CREEK NEAR ORANGEVILLE, UTAH	391600	1110745	049	015	SW	205.00		1975		M	Y	Y		USGS	P
14060009	FERRON CREEK BEL PARADISE RANCH NR CLAWSON,	390709	1105920	049	015	SW	221.00		1975		M	Y	Y		USGS	P
14060009	SAN RAFAEL R AT SAN R BR CAMPGROUND NR C DAL	390451	1103956	049	015	SW	1284.00		1975		Q	K		K	USGS	D
14060009	SAN RAFAEL RIVER NEAR GREEN RIVER, UTAH	385220	1102220	049	015	SW	1670.00	014	1946		2	A		2	USGS	D
14070001	COLORADO RIVER AT HITE, UTAH	374830	1102655	049	037	SW	76600.00	014	1947	1975	2	W		2	USGS	D
14070002	MUDDY C AT USGS STATION	385900	1111449	049	015	SW			1972		B				USFS	
14070002	MUDDY CR AT DELTA MINE NR HANKSVILLE, UT. 21	383347	1105713	049	015	SW	841.00		1975		Q	S		R	USGS	D
14070002	MUDDY CREEK AT MOUTH NR HANKSVILLE, UT. 11.0	382410	1104200	049	055	SW	1552.00	004	1975		N	N		N	USGS	D
14070003	PLEASANT CR NR CAINEVILLE, UT. 72.00	381620	1110530	049	055	SW	115.00	014	1969	1972	2	R		2	USGS	D
14070003	FREMONT RIVER NR CAINVILLE, UT. 71.00	381640	1110400	049	055	SW	1190.00	014	1967	1978	0	E		0	USGS	D
14070005	PINE C BLUE SPRUCE C G	375745	1113910	049	017	SW			1974		A				USFS	
14070006	COLORADO R AT LEES FERRY, AZ.	365153	1113515	004	005	SW	111800.00	124	1926		2	N		2	USGS	D
14070007	PARIA R. AT WHITE HOUSE RUINS NR GLEN CANYON	370431	1115323	049	025	SW		024	1977		R			R	USGS	D
14070007	PARIA R. BLW. WATER POCKETS GULCH NR PAGE,AZ	365647	1114032	004	005	SW		024	1977		K			R	USGS	D
14070007	PARIA R FAKE STA TONS DIV BY 10	365220	1113538	004	005	SW			1947	1980				0	USGS	D
14070007	PARIA RIVER AT LEES FERRY, ARIZ.	365220	1113538	004	005	SW	1410.00	024	1947		3			2	USGS	D
14070007	PARIA R. BLW. WATER POCKETS GULCH NR PAGE,AZ	365647	1114032	004	005	SW			1977	1979	N			R	USGS	D
14070007	PARIA R. AT WHITE HOUSE RUINS NR GLEN CANYON	370431	1115323	049	025	SW			1977	1979	N			R	USGS	D
14080101	WOLF CREEK NEAR PAGOSA SPRINGS, CO.	372647	1065300	008	079	SW	14.00		1970	1975	K	E		K	USGS	D
14080101	RIO BLANCO NEAR PAGOSA SPRINGS, CO.	371246	1064738	008	007	SW	58.00	024	1960	1974	4	N		4	USGS	D
14080101	RIO BLANCO BL BLANCO DIV DAM, NR PAGOSA SPS,	371211	1064845	008	007	SW	69.10	024	1972	1975	R	E		A	USGS	D
14080101	RIO BLANCO AT US HIGHWAY 84, NR PAGOSA SPGS,	370830	1065024	008	007	SW		024	1972	1974	K	K		K	USGS	D
14080101	RIO BLANCO AT MOUTH, NEAR TRUJIL	370724	1070235	008	007	SW		024	1972	1972	N				USGS	D
14080101	NAVAJO R AT BANDED PEAK RANCH, NEAR CHROMO,	370507	1064120	008	007	SW	69.80	004	1974	1974	A	A		A	USGS	D
14080101	NAVAJO RIVER ABOVE CHROMO, CO.	370155	1064356	008	007	SW	96.40		1960	1974	4	A		4	USGS	D
14080101	LITTLE NAVAJO RIVER BL LITTLE OS	370426	1064904	008	007	SW			1974	1975	A	E		A	USGS	D
14080101	LITTLE NAVAJO RIVER AT CHROMO, CO.	370244	1065033	008	007	SW	21.90	024	1974	1974	A	A		A	USGS	D
14080101	NAVAJO RIVER AT EDITH, CO.	370010	1065425	008	007	SW	172.00	024	1969	1978	Q	N		Q	USGS	D
14080101	NAVAJO R. AB AMARGO CR. NR DULCE	365717	1070326	035	039	SW		024	1972	1972	N				USGS	D

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14080101	NAVAJO R. AT MOUTH NR JUANITA, C	370126	1070756	008	007	SW		024	1972	1972	N				USGS	D
14080101	SAN JUAN RIVER NR CARRACAS, COLORADO	370049	1071842	008	007	SW	1230.00	014	1969	1973	Q	A		Q	USGS	D
14080101	VALLECITO CREEK NEAR BAYFIELD, CO.	372839	1073235	008	067	SW	72.10	004	1961		E			E	USGS	D
14080101	LOS PINOS RIVER NEAR BAYFIELD, CO.	372258	1073437	008	067	SW	270.00	014	1948	1958	E				USGS	P
14080101	LOS PINOS RIVER AT LA BOCA, COLO.	370034	1073556	008	067	SW	510.00	014	1969	1974	E	E		E	USGS	D
14080101	SAN JUAN RIVER NEAR ARCHULETA,NM	364805	1074151	035	045	SW	3260.00	014	1953		2	E		2	USGS	D
14080101	SAN JUAN R NR BLANCO,NM	364350	1074850	035	045	SW	3560.00	014	1944	1975	2			2	USGS	D
14080101	SAN JUAN RIVER AT BLOOMFIELD, NM	364200	1075910	035	045	SW	5410.00	014	1957		2	A		2	USGS	D
14080101	SAN JUAN RIVER AT HAMMOND BR NR BLOOMFIELD,N	364122	1080542	035	045	SW			1978		K	A		K	USGS	D
14080101	GALLEGOS CANYON NR FARMINGTON, NM	363852	1080730	035	045	SW			1978		A			A	USGS	D
14080101	28N.11W.15.122 KUNTZ CAN AT STHWY 44,NM 29E6	364005	1075930	035	045	SW			1974	1974	A	A		A	USGS	D
14080101	SAN JUAN RIVER AT WEST HAMMOND BRIDGE, NM	364122	1080543	035	045	SW			1975		A	A		A	USGS	D
14080101	SAN JUAN RIVER AT BLANCO BRIDGE, NM	364327	1074848	035	045	SW			1975		A	A		A	USGS	D
14080101	30N.09W.25.143 PUMP CANYON AT ARCHULETA,NM 6	364655	1074410	035	045	SW			1975	1975	A	A		A	USGS	D
14080101	30N.09W.19.422 GOBERNADOR WASH AT ARCHULETA	364743	1074225	035	045	SW			1975	1975	A	A		A	USGS	D
14080102	MIDDLE FORK PIEDRA RIVER NR PAGOSA SPRINGS,	372912	1070946	008	053	SW	32.20		1970	1975	N	E		N	USGS	D
14080102	PIEDRA RIVER NEAR ARBOLES, COLO.	370518	1072350	008	007	SW	629.00	014	1969	1973	Q	A		Q	USGS	D
14080103	CANON LARGO NR BLANCO,NM	364124	1074521	035	045	SW			1978		K	A		K	USGS	D
14080103	29N.09W.26.334 CANYON LARGO NR BLANCO,NM 29E	364124	1074521	035	045	SW			1975	1975	A	A		A	USGS	D
14080104	ANIMAS RIVER AT HOWARDSVILLE, CO.	374959	1073556	008	111	SW	55.90	004	1970	1975	N	E		N	USGS	D
14080104	MINERAL CREEK ABOVE SILVERTON, CO.	375104	1074331	008	111	SW	11.00		1970	1975	N	E		N	USGS	D
14080104	ANIMAS RIVER NEAR CEDAR HILL, N. MEX.	370217	1075225	008	067	SW	1090.00	014	1969	1975	E	E		E	USGS	D
14080104	ANIMAS RIVER AT FARMINGTON, NM	364312	1081208	035	045	SW	1360.00	014	1939		O	E		O	USGS	D
14080104	30N.11W.09.311 ANIMAS R BL HIWAY 550 AT AZTE	364930	1080012	035	045	SW	1270.00		1977		A	A		A	USGS	D
14080105	SAN JUAN RIVER AT FARMINGTON, NM	364322	1081330	035	045	SW	7240.00		1962		A	A		A	USGS	D
14080105	LA PLATA RIVER AT HESPERUS, CO.	371723	1080224	008	067	SW	37.00	024	1948	1958	E				USGS	P
14080105	LA PLATA RIVER AT COLORADO-NEW MEXICO STATE	365959	1081117	008	067	SW	331.00	014	1955		S	A		S	USGS	D
14080105	LA PLATA RIVER NEAR FARMINGTON, NM	364423	1081451	035	045	SW	583.00		1970		Q				USGS	D
14080105	SAN JUAN R NR FRUITLAND, NM	364425	1082409	035	045	SW			1978		Q	S		Q	USGS	D
14080105	SHUMWAY ARROYO NEAR FRUITLAND , NM	364823	1082342	035	045	SW	62.80		1978		A	A		A	USGS	D
14080105	SHUMWAY ARROYO NEAR WATERFLOW, NM	364624	1082626	035	045	SW	73.80		1975		K	K		K	USGS	D
14080105	SAN JUAN RIVER AT SHIPROCK, NM	364732	1084354	035	045	SW	12900.00	014	1941		O	E		O	USGS	D
14080105	SAN JUAN RIVER AT FRUITLAND BRIDGE, NM	364422	1084409	035	045	SW			1975		A	A		A	USGS	D
14080105	SAN JUAN RIVER IN HOGBACK DIVERSION BYPASS,	364447	1083214	035	045	SW			1975		A	A		A	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
14080105	SHUMWAY ARROYO ABOVE DUNLAP FARM NR WATERFLO	364631	1082610	035	045	SW			1975		A	A			USGS	D
14080105	SAN JUAN RIVER AT SHIPROCK BRIDGE, NM	364650	1084134	035	045	SW			1975		A	A		A	USGS	D
14080105	WESTWATER ARROYO ABOVE SAN JUAN MINE, NM	364843	1082550	035	045	SW			1975		A	A		A	USGS	D
14080105	30N.15W.06.422 WESTWATER ARR NR SPRINGS 3SWE	365029	1082658	035	045	SW			1975	1975	A	A		A	USGS	D
14080105	SAN JUAN RIVER ABOVE MANCOS, NM	365517	1085602	035	045	SW			1977		A	A		A	USGS	D
14080106	CHACO WASH NR STARLAKE TRADING POST, NM	355607	1073139	035	031	SW			1978		R	A		A	USGS	D
14080106	CHACO WASH AT CHACO CANYON NATIONAL MONUMENT	360143	1075504	035	045	SW	578.00		1976		N	N		N	USGS	D
14080106	GALLO WASH AT CHACO NATIONAL MONUMENT, NM	360206	1075325	035	045	SW			1979		A	A		A	USGS	D
14080106	AH-SHI-SLE-PAH WASH NEAR KIMBETO ,NM	360918	1075647	035	045	SW	8.21		1977		A	A		A	USGS	D
14080106	ALAMO WASH NEAR TANNER LAKE , NM	361407	1081052	035	045	SW	31.00		1974		A	A		A	USGS	D
14080106	DE-NA-ZIN WASH NR BISTI TRADING POST , NM	361351	1081157	035	045	SW	183.00		1974		E	E		E	USGS	D
14080106	HUNTER WASH AT BISTI TRADING POST, NM	361637	1081512	035	045	SW	45.60		1974		E	E		E	USGS	D
14080106	HUNTER TRIBURARY AT ROAD XING S. OF BISTI TP	361533	1081506	035	045	SW			1976		S	S		A	USGS	D
14080106	TEEC-NI-DI-TSD WASH NR BURNHAM, NM	361826	1082722	035	045	SW			1978		A	A		A	USGS	D
14080106	BURNHAM WASH NR BURNHAM, NM	362111	1082716	035	045	SW			1978		R	A		R	USGS	D
14080106	CHACO RIVER NR BURNHAM, NM	362157	1083357	035	045	SW			1978		R	S		R	USGS	D
14080106	CHACO RIVER NEAR WATERFLOW , NM	364328	1083527	035	045	SW	4350.00	004	1974		O			O	USGS	D
14080106	20N.12W.08.323 KIMMENIOLI WASH 9 MI S LK VAL	355841	1080818	035	031	SW			1978		A	A		A	USGS	D
14080106	21N.09W.17.233 GALLO WASH AT DIKE NR CHACO N	360308	1074843	035	045	SW			1978	1980	A				USGS	D
14080106	21N.11W.05.4220 CHACO R BL E.WASH,CHACO N.M.	360453	1080120	035	045	SW			1977		S	S		S	USGS	D
14080106	22N.11W.25.433 ESCAVADO WASH AT HIWAY 56 BR.	360614	1075720	035	045	SW			1977		A	A		A	USGS	D
14080106	22N.13W.25.322 KIMMENIOLI WASH NR LAKE VALLE	360641	1081038	035	045	SW			1978		A	A		A	USGS	D
14080106	22N.11W.24.214 TSOSIE SWALE NR KIMBETO,NM	360743	1075714	035	045	SW			1978		A	A		A	USGS	D
14080106	NR067.0225X0788 COYOTE WASH NR NASCHITTI,NM	360809	1083234	035	045	SW			1976		A	A		A	USGS	D
14080106	22N.10W.07.143 AHSHISLEPAH WASH,6 M W KIMBET	360916	1075635	035	045	SW			1976		A	A			USGS	D
14080106	NR066.0500X0388 CHACO R BL DENAZIN W NR BIST	361137	1082021	035	045	SW			1977		A	A		A	USGS	D
14080106	COAL CREEK ABOVE TANNER LAKE NEAR BISTI TP ,	361407	1080747	035	045	SW			1975		S	S		A	USGS	D
14080106	23N.08W.07.2331 KIMBETO W AT STHWY 44,NM	361432	1074318	035	045	SW			1974	1975	E	E		E	USGS	D
14080106	23N.12W.08.1341 DENAZIN TRIB 7.4 MI SE BISTI	361439	1080842	035	045	SW			1977		R	R		R	USGS	D
14080106	DE-NA-ZIN WASH ABOVE TANNER LAKE ,NM	361445	1080715	035	045	SW			1977		A	A		A	USGS	D
14080106	23N.12W.05.1334 DENAZIN TRIB 7.2 MI SE BISTI	361528	1080846	035	045	SW			1977		R	R		R	USGS	D
14080106	23N.13W.05.1413 HUNTER T AT RDX	361534	1081511	035	045	SW			1975	1975	R	A		R	USGS	D
14080106	NR049.0268X1397 CHACO R BL HUNTER WA NR BURN	361751	1083252	035	045	SW			1977		A	A		A	USGS	D
14080106	NR049.0367X0923 CHACO R AT BRIDGE NR BURNHAM	362157	1083357	035	045	SW			1974		A	A		A	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
14080106	NR049.0433X0206 SANOSTEE WASH NR SANOTEE TP,	362813	1083441	035	045	SW			1976		A	A		A	USGS	D
14080106	NR032.0352X1230 CHACO R AB 4CPP NR FRUITLAND	363417	1083349	035	045	SW			1977		A	A		A	USGS	D
14080107	MANCOS RIVER NEAR TOWAOC, CO.	370139	1084427	008	083	SW	550.00	124	1960	1978	2			2	USGS	D
14080201	SAN JUAN R AT FOUR CORNERS, CO	370020	1090200	008	083	SW			1978		Q	R		Q	USGS	D
14080201	COTTONWOOD WASH NR BLANDING UTAH	373338	1093441	049	037	SW	205.00	004	1967		2	E		2	USGS	D
14080201	SAN JUAN R AT 4 CORNERS BRIDGE,CO	370010	1090150	008	083	SW			1975		A	A		A	USGS	D
14080201	SAN JUAN R AB MCELMO CK AT ANETH,UT	371251	1091121	049	037	SW			1977		A	A		A	USGS	D
14080202	MCELMO CREEK NEAR COLORADO-UTAH STATE LINE	371927	1090054	008	083	SW	350.00	124	1969		N	A		S	USGS	D
14080205	SAN JUAN RIVER NEAR BLUFF, UTAH	370849	1095151	049	037	SW	23000.00	014	1852		O	Q		O	USGS	D

LOWER COLORADO REGION 15

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
150059 F	COLORADO R AT RIVER SECTION 43	343715	1142600	006	071	SW			1964		M	M	M		USBR	
150059 Q	COLORADO R AT YUMA ARIZONA	324345	1143715	004	027	SW			1958		M	M	M		USBR	
150059 Q	COLO R AT TAYLOR FERRY	332550	1143735	006	065	SW	183700.00		1964		M	M	M		USBR	
150059 S	GILA R AT MOUTH AZ	324400	1143800	004	027	SW			1958		W	W	M		USBR	
150059 S	COLORADO R AT N INTERNATIONAL BORY	324300	1144300	004	027	SW			1961		Q				USIBW	P
15010001	COLORADO R. NEAR GRAND CANYON, ARIZ.	360605	1120508	004	005	SW	137800.00	124	1925		E	E	E	2	USGS	D
15010003	MILL CREEK ABOVE STUDY AREA NR GLENDALE,UT.	372149	1122030	049	025	SW	4.81		1975	1977	M	M	M		USGS	D
15010003	SKUTUMPAH CR. BL STUDY AREA NR GLENDALE,UT.	371918	1121937	049	025	SW	14.80		1975	1977	M	M	M		USGS	D
15010003	INTERMEDIATE DRAINAGE NR. GLENDALE, UT.	371810	1122046	049	025	SW	2.49	004	1975	1977	M	M	M		USGS	D
15010003	THOMPSON CREEK ABV STUDY AREA NR GLENDALE, U	372011	1122219	049	025	SW	9.80		1969	1977	M	M	M		USGS	D
15010003	THOMPSON CREEK BLW STUDY AREA NR GLENDALE, U	371810	1122046	049	025	SW	16.60		1975	1977	M	M	M		USGS	D
15010003	KANAB CREEK NR FREDONIA, ARIZ.	365150	1123445	004	005	SW	1085.00	024	1966	1973	2	E		2	USGS	D
15010005	LAKE MEAD AT HOOVER DAM, ARIZ.-NEV.	360058	1144413	004	015	SW	171700.00	124	1958		5			5	USGS	D
15010008	EAST FORK VIRGIN RIVER NR GLENDALE, UTAH	372019	1123613	049	025	SW	74.00	004	1966		E	E		E	USGS	D
15010008	NF VIRGIN R.NR.GLENDALE,UTAH	372830	1124642	049	025	SW	5.65	004	1973	1978	P			0	USGS	D
15010008	NF VIRGIN R BLW BULLOCK CANYON NR GLENDALE U	372511	1124802	049	025	SW	35.70	004	1973		2	E		2	USGS	D
15010008	NORTH FORK VIRGIN RIVER NEAR SPRINGDALE,UTAH	371235	1125840	049	053	SW	350.00	014	1966	1978	E			E	USGS	D
15010008	VIRGIN RIVER AT VIRGIN UTAH	371154	1131225	049	053	SW	934.00		1962	1971	2	R		2	USGS	D
15010008	VIRGIN RIVER NR HURRICANE UTAH	370945	1132342	049	053	SW	1530.00	014	1967	1978	2	E		2	USGS	D
15010008	SANTA CLARA RIVER AB WINSOR DAM NR SANTA CLA	371305	1134635	049	053	SW	338.00	014	1961	1972	2	E		2	USGS	D
15010009	FORT PIERCE WASH NR ST. GEORGE, UTAH	370335	1133240	049	053	SW	1650.00	004	1966	1967	A	A		A	USGS	D
15010010	VIRGIN R. AT BLOOMINGTON,UT	370149	1133756	049	053	SW		004	1977		R			R	USGS	D
15010010	VIRGIN RIVER NEAR ST. GEORGE,UTAH	370050	1134050	049	053	SW	3820.00	014	1966	1973	E	E		E	USGS	D
15010010	VIRGIN R. ABV I15 RESTAREA NR LITTLEFIELD, A	365713	1134646	004	015	SW		004	1977		R			R	USGS	D
15010010	VIRGIN R. BLW I15 RESTAREA NR LITTLEFIELD,AZ	365657	1134747	004	015	SW		004	1977		R			R	USGS	D
15010010	VIRGIN R. AT MOUTH OF NARROWS NR LITTIEFIELD	365517	1135135	004	015	SW		004	1977		N			S	USGS	D
15010010	VIRGIN R AT LITTLEFIELD, AZ	365330	1135525	004	015	SW	5090.00	004	1946		M	E		M	USGS	D
15010010	VIRGIN R AB HALFWAY WASH NR RIVERSIDE NV	364010	1141810	032	003	SW	5980.00	002	1977		A			A	USGS	D
15010010	VIRGIN R. AT MOUTH OF NARROWS NR LITTIEFIELD	365517	1135135	004	015	SW			1977	1979	R			R	USGS	D
15010010	VIRGIN R. BLW I15 RESTAREA NR LITTLEFIELD,AZ	365657	1134747	004	015	SW			1977	1979	R			A	USGS	D
15010010	VIRGIN R. ABV I15 RESTAREA NR LITTLEFIELD, A	365713	1134646	004	015	SW			1977	1979	N			N	USGS	D
15010010	VIRGIN R. AT BLOOMINGTON,UT	370149	1133756	049	053	SW			1977	1979	A			A	USGS	D
15010015	LAS VEGAS WASH NR HENDERSON, NV	360520	1145905	032	003	SW	2125.00		1968		K			K	USGS	D
15010015	LAS VEGAS WASH NR BOULDER CITY, NV	360720	1145415	032	003	SW	2193.00	013	1968		E	E		E	USGS	D

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15020001	LITTLE COLORADO RIVER AT GREER, ARIZ.	340100	1092724	004	001	SW	30.90		1978		M			M	USGS	D
15020001	NUTRIOSO CR. AB. NELSON RES NR SPRINGERVILLE	340156	1091110	004	001	SW	80.00	004	1971		A			A	USGS	D
15020001	LITTLE COLORAO R AB LYMAN RES NR ST JOHNS, A	341950	1092118	004	001	SW	747.00	124	1976		M			M	USGS	D
15020002	LITTLE COLORADO RIVER AB ZION RES NR ST JOHN	343501	1092423	004	001	SW	975.00	124	1978		A				USGS	D
15020004	ZUNI R AB BLACK ROCK RESERVOIR			035	031	SW			1977		O	Q			USBR	
15020005	SHOW LOW CREEK NEAR LAKESIDE, ARIZONA	341046	1095914	004	017	SW	68.60	124	1976		M			M	USGS	D
15020005	COTTONWOOD WASH NR SNOWFLAKE	342800	1100700	004	017	SW			1977		B				USSCS	P
15020006	PUERCO RIVER AT GALLUP, NM	353145	1084441	035	031	SW	558.00		1975		A	A		A	USGS	D
15020006	21N.13W.11.144 PUERCO RIVER NEAR STATE LINE,	352240	1090220	035	031	SW			1976		A	A		A	USGS	D
15020006	PUERCO RIVER AT THE HOGBACK, NM	353150	1084114	035	031	SW			1977		A	A		A	USGS	D
15020006	PUERCO RIVER TRIBUTARY BL MINES AT CHURCHROC	353923	1082947	035	031	SW			1975		A	A		A	USGS	D
15020008	LITTLE COLORADO RIVER AT HOLBROOK, ARIZ.	345352	1100945	004	001	SW	11300.00	124	1971		O			O	USGS	D
15020008	LITTLE COLORADO R NR JOSEPH CITY, AZ.	345404	1101517	004	017	SW	12200.00	124	1973		O			O	USGS	D
15020009	LEROUX WASH NR HOLBROOK AZ	345418	1101203	004	017	SW	809.00	004	1979		Z	Z		Z	USGS	
15020011	KIN LI CHEE WASH NR GRANADO	354400	1092700	004	001	SW			1977		B				USSCS	P
15020015	RIO DE FLAG AT FLAGSTAFF, ARIZ.	351318	1113924	004	005	SW	51.00	004	1973		A			A	USGS	D
15020015	RIO DE FLAG AT I40 AT FLAGSTAFF,AZ	351104	1113756	004	005	SW	68.00	004	1979		A			A	USGS	D
15020016	LITTLE COLORADO R AT CAMERON ARIZ.	355240	1112440	004	005	SW	24000.00		1974		M	E	E	M	USGS	D
15020016	LITTLE COLORADO RIVER NEAR CAMERON, ARIZ.	355535	1113400	004	005	SW	26500.00		1957	1972	2			2	USGS	D
15020018	MOENKOPI WASH TRIB NEAR KAYENTA, ARIZ	363103	1102132	004	017	SW	.41	004	1978		Z			Z	USGS	D
15020018	COAL MINE WASH NEAR KAYENTA, ARIZ	363252	1102211	004	017	SW	34.10	004	1973		Z			Z	USGS	D
15020018	COAL MINE WASH TRIB NEAR KAYENTA, ARIZ	363154	1102402	004	017	SW	.62	004	1973		Z			Z	USGS	D
15020018	COAL MINE WASH TRIB NO 2 NEAR KAYENTA, ARIZ.	363152	1102428	004	017	SW	.62	004	1973		Z			Z	USGS	D
15020018	YELLOW WATER CANYON NEAR KAYENTA, ARIZ	363439	1102249	004	017	SW	18.60	004	1973		Z			Z	USGS	D
15020018	YELLOW WATER CANYON NR SHONTO	363033	1102620	004	017	SW	49.00	004	1975		Z			Z	USGS	D
15020018	COAL MINE WASH NR MOUTH NR SHONTO, ARIZ	362534	1102632	004	017	SW	137.00	004	1978		Z			Z	USGS	D
15020018	MOENKOPI WASH NR MOENKOPI AZ	360636	1110919	004	005	SW	1650.00	004	1972	1976	2	Q	Q	2	USGS	D
15020018	MOENKOPI WASH AT MOENKOPI	360618	1111204	004	005	SW	1660.00		1972		W			O	USGS	D
15030101	COLORADO R NEAR TOPOCK	344115	1142745	004	015	SW			1964		M	M	M		USBR	
15030101	COLORADO R AT NEEDLES BRIDGE	345020	1143520	006	071	SW			1955		M	M	M		USBR	
15030101	COLORADO RIVER BLW HOOVER DAM,ARIZ-NEV	360055	1144416	004	001	SW	167800.00	124	1939		N	K		E	USGS	D
15030101	COLORADO R AQUEDUCT NR PARKER DAM ARIZ-CALIF	341858	1140923	006	071	SW		024	1965			A			USGS	D
15030104	COLORADO R BL PALO VERDE DAM	334310	1142950	006	025	SW			1964		M	M	M		USBR	
15030104	COLO R AT WATER WHEEL	335535	1143210	006	065	SW	180700.00		1964		M	M	M		USBR	

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
15030104	COLORADO RIVER BELOW PARKER DAM, ARIZ.-CALIF	341744	1140822	006	071	SW	182700.00	124	1953		A				USGS	D
15030108	MAIN DRAIN AT ARIZ-SONORA BOUNDARY	322917	1144716	004	027	SW			1965		Q			N	USGS	D
15030201	BIG SANDY RIVER NEAR WIKIEUP,ARIZ.	342745	1133725	004	015	SW	2800.00		1978		M			M	USGS	D
15030202	BURRO CREEK ABV BOULDER CREEK NR BAGDAD,AZ	343705	1131755	004	025	SW		004	1977		R			R	USGS	D
15030202	BOULDER CREEK ABV COPPER CREEK NR BAGDAD,AZ	343627	1131351	004	025	SW		004	1977		N			K	USGS	D
15030202	COPPER CREEK NR MOUTH NR BAGDAD, AZ.	343623	1131350	004	025	SW		004	1977		K			K	USGS	D
15030202	BOULDER CREEK NR MOUTH NR BAGDAD,AZ.	343645	1131755	004	025	SW		004	1977		N			K	USGS	D
15030202	BURRO CREEK ABV BOULDER CREEK NR BAGDAD,AZ	343705	1131755	004	025	SW			1977	1979	A			A	USGS	D
15030202	BURRO CREEK AT US 93 BRIDGE NR BAGDAD, AZ.	343250	1132635	004	015	SW		004	1977		K			K	USGS	D
15030202	BURRO CREEK AT OLD US 93 BRIDGE NR BAGDAD, A	343230	1132640	004	015	SW		004	1977		K			K	USGS	D
15030204	BILL WILLIAMS R NR PLANET			004	027	SW			1977		0	Q			USBR	
15030204	BILL WILLIAMS R NR PLANET, ARIZ.	341543	1140140	004	027	SW	5140.00		1969		E	E		E	USGS	D
150360 C	SUNSET CA AB NM-AZ STATELINE,NM	324142	1090248	035	023	SW		014	1969	1972	Q	A			USGS	D
15040001	TAYLOR CREEK ABOVE WALL LAKE	332113	1080432	035	003	SW			1975	1975	A				USFS	D
15040001	HARDCASTLE CANYON NE OF BEAVHED	332937	1075307	035	003	SW			1975	1975	A				USFS	D
15040001	LITTLE CR ABOVE CONF WITH GILA R	331103	1081513	035	017	SW			1975	1975	A				USFS	D
15040001	E F GILA R AT FIRST RD CROSSING	331046	1081212	035	017	SW			1967	1978	E				USFS	D
15040001	M F GILA R AT VISITOR CENTER	331327	1081443	035	003	SW			1967	1978	E				USFS	D
15040001	SAPILLO RIVER AT HIGHWAY BRIDGE	330228	1081304	035	017	SW			1967	1978	E			E	USFS	D
15040001	W F GILA R ABOVE CLIFF DWELLINGS	331348	1081557	035	003	SW			1967	1978	E				USFS	D
15040001	GILA RIVER NEAR GILA, NM	330340	1083212	035	017	SW	1864.00		1958	1969	2	E		2	USGS	D
15040001	MOGOLLON CREEK NEAR CLIFF, NM	331000	1083857	035	017	SW	69.00	004	1967		E	E		E	USGS	D
15040002	MCNIGHT CREEK BELOW S.AN N FORKS	330159	1085510	035	017	SW			1975	1975	A				USFS	D
15040002	GILA RIVER BELOW CLIFF NM	325053	1083534	035	017	SW			1975		A				USFS	D
15040002	BEAR CREEK BELOW CHERRY CREEK	325402	1081505	035	017	SW			1975	1975	A				USFS	D
15040002	GILA RIVER NEAR REDROCK, NM	324337	1084030	035	017	SW	2829.00	014	1967		E	E		E	USGS	D
15040002	NEW MODEL CA AB NM-AZ ST.LINE,NM	324105	1090240	035	023	SW		014	1969	1972	A			A	USGS	D
15040002	GILA RIVER AT N.MEX-ARIZ.ST.LINE NR VIRDEN,	324112	1090250	035	011	SW	3360.00	014	1967	1973	R	A		R	USGS	D
15040002	GILA RIVER NEAR CLIFTON, ARIZ.	325757	1091835	004	011	SW	4010.00		1976		M			M	USGS	D
15040004	SAN FRANCISCO ABOVE ALMA NM	332709	1085527	035	003	SW			1975	1975	A				USFS	D
15040004	MINERAL CR ABOVE GLENWOOD NM	332332	1085140	035	003	SW			1975	1975	A				USFS	D
15040004	FRISCO HOT SPRINGS BELOW GLNWOOD	331450	1085247	035	003	SW			1967	1976	9				USFS	D
15040004	TULAROSA CR ABOVE CONF OF NEGRIT	334056	1084444	035	003	SW			1975	1975	A				USFS	D
15040004	NEGRITO CR ABOVE CON OF TULAROSA	334056	1084442	035	003	SW			1975	1975	A				USFS	D

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15040004	SOUTH FK OF NEGRITO CR	333224	1083627	035	003	SW			1975	1975	A				USFS	D
15040004	SAN FRANCISCO BELOW RESERVE NM	333815	1084726	035	003	SW			1967	1978	E				USFS	D
15040004	CENTERFIRE CR ABOVE LUNA NM	335305	1085130	035	003	SW			1975	1975	A				USFS	D
15040004	SAN FRANCISCO RIVER AT 180 BRIDG	334904	1085918	035	003	SW			1967	1978	E				USFS	D
15040004	TROUT CREEK, FOR RD 119 CROSSING	334913	1085528	035	003	SW			1968	1978	A				USFS	D
15040004	SAN FRANCISCO RIVER BELOW LUNA	334857	1085406	035	003	SW			1970	1976	9				USFS	D
15040004	SAN FRANCISCO RIVER NEAR GLENWOOD, NM	331448	1085247	035	003	SW	1653.00	014	1963		E	E		E	USGS	D
15040004	SAN FRANCISCO RIVER AT CLIFTON, ARIZ.	330258	1091743	004	011	SW	2766.00	024	1963	1967	E	E		E	USGS	D
15040004	SAN FRANCISCO RIVER NEAR CLIFTON, ARIZ.	330133	1091806	004	011	SW	2770.00	004	1976		K			K	USGS	D
15040005	GILA R AT HEAD OF SAFFORD VALLEY NR SOLOMON	325206	1093038	004	009	SW	7896.00	024	1959		M	E		M	USGS	D
15040005	FRYE CREEK AT THATCHER, ARIZ.	325000	1094539	004	009	SW	24.30	004	1963	1973	A	A		A	USGS	D
15040005	GILA RIVER AT CALVA, ARIZ.	331108	1101310	004	009	SW	11470.00		1974		M	E		M	USGS	D
15050100	DRIPPING SPRINGS WASH AB GILA R	330500	1104300	004	007	SW			1967		B				AZ003	P
15050100	GILA R AB DRIPPING SPRINGS WA	330500	1104300	004	021	SW			1967	1974	B				AZ003	P
15050100	GILA R NR DIAMOND A RANCH	330700	1110000	004	021	SW			1971		B				AZ003	P
15050100	GILA RIVER AT WINKELMAN, ARIZ.	330006	1104555	004	007	SW	13268.00	124	1976		M			M	USGS	D
15050100	GILA R AT KELVIN ARIZ	330610	1105833	004	021	SW	18011.00		1949		2	E		2	USGS	D
15050202	SAN PEDRO RIVER AT CHARLESTON, ARIZ.	313733	1101026	004	003	SW	1219.00	024	1962	1977	2	A		2	USGS	D
15050203	SAN PEDRO R AB GILA R	325500	1104600	004	021	SW			1971		B				AZ003	P
15050203	SAN PEDRO RIVER NEAR BENSON, ARIZ.	320735	1101722	004	003	SW	2500.00	024	1966	1973	2	A		2	USGS	D
15050203	SAN PEDRO R BL ARAVAIPA C NR MAMM@TH AZ	325103	1104327	004	021	SW	4360.00	004	1979		M	M			USGS	D
15050203	SAN PEDRO RIVER NEAR WINKELMAN, AZ.	325635	1104455	004	021	SW	4449.00	024	1962	1967	2	E		2	USGS	D
15050203	SAN PEDRO R AT WINKELMAN, ARIZ.	325838	1104611	004	021	SW	4471.00	024	1965	1979	3	Q	A	2	USGS	D
15050301	HIGH SCHOOL WASH FLUME AT TUCSON	321328	1105650	004	019	SW			1969		C				AZ001	
15050301	RAILROAD WASH FLUME AT TUCSON	321248	1105645	004	019	SW			1969		C				AZ001	
15050301	SANTA CRUZ NR CONF W LOS ROBLES WA			004	021	SW			1977		D	Q			USBR	
15050301	SANTA CRUZ RIVER NR. NOGALES, ARIZ.		1105103	004	023	SW	533.00	024	1967		M			M	USGS	D
15050301	SANTA CRUZ RIVER AT RIO RICO, ARIZ.	312813	1105930	004	023	SW			1976		K			M	USGS	D
15050301	SANTA CRUZ RIVER AT TUCSON, ARIZ.	321316	1105852	004	019	SW	2222.00	024	1965	1968	R	E		R	USGS	D
15050302	ARCADIA WASH FLUME AT TUCSON	321437	1105305	004	019	SW			1969		C				AZ001	
15050303	SANTA CRUZ RIVER NEAR LAVEEN, ARIZ.	331356	1121008	004	021	SW	8581.00	124	1974		M				USGS	D
15060101	BLACK RIVER NEAR FORT APACHE, ARIZ. MILE 5.0	334246	1101240	004	007	SW	1232.00	024	1976		M			M	USGS	D
15060102	WHITE RIVER NEAR FORT APACHE, ARIZ. MILE 4.5	334411	1100958	004	007	SW	632.00	004	1976		M			M	USGS	D
15060103	CANYON CR FISH HATCHERY EFFLUENT	341300	1104300	004	007	SW			1972		M				AZ003	P

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15060103	CANYON CR FISH HATCHERY INTAKE	341300	1104300	004	007	SW			1972		M				AZ003	P
15060103	CANYON C AB STATE FISH HATCHERY	341300	1104300	004	007	SW			1972		M				AZ003	P
15060103	SALT RIVER NEAR ROOSEVELT, ARIZ.	333710	1105515	004	007	SW	4306.00	024	1957		S				USGS	D
15060105	TONTO CREEK ABV. GUN CR., NR ROOSEVELT, AZ	335848	1111810	004	007	SW	675.00	004	1976		M			M	USGS	D
15060106	SALT R BL STEWART MOUNTAIN D ARIZ	333359	1113208	004	013	SW	6232.00	014	1929		E	E			USGS	D
15060201	WILLIAMSON VALLEY W NR PAULDEN, ARIZ.	345200	1123645	004	025	SW	255.00	004	1978		A				USGS	D
15060202	VERDE RIVER NEAR PAULDEN, ARIZ.	345342	1122026	004	025	SW	2530.00	024	1978		A				USGS	D
15060202	VERDE RIVER NR CLARKDALE, ARIZ.	345105	1120355	004	025	SW	3520.00	024	1978		A				USGS	D
15060202	OAK CREEK AT SEDONA, AZ.	345313	1114349	004	005	SW		004	1978		Q			A	USGS	D
15060202	OAK CREEK AT RED ROCK CROSSING NR SEDONA,ARI	344928	1114820	004	005	SW		004	1978		Q			S	USGS	D
15060202	RATTLESNAKE CANYON NEAR RIMROCK, ARIZ.	344601	1114023	004	025	SW	24.60	004	1968		A				USGS	D
15060202	DRY BEAVER CREEK NEAR RIMROCK, ARIZ.	344343	1114630	004	025	SW	142.00	004	1963	1979				2	USGS	D
15060203	VERDE RIVER NEAR CAMP VERDE, ARIZ.	342700	1114700	004	025	SW	5024.00	004	1976		M			M	USGS	D
15060203	WET BOTTOM CREEK NR CHILDS, ARIZ.	340939	1114132	004	007	SW	36.40	004	1967		E			E	USGS	D
15060203	VERDE R BL BARTLETT D ARIZ	334905	1113753	004	013	SW	6188.00	124	1949		H	H		E	USGS	D
15060203	WF SYCAMORE CR AB MCFAR CAN, N SUNFLOWER, AZ	335738	1112912	004	013	SW	4.58	004	1965	1966	M	Z			USGS	
15060203	EAST FORK SYCAMORE CREEK NEAR SUNFLOWER, ARI	335658	1112739	004	013	SW	4.49	004	1965	1966	M				USGS	C
15070101	GILA R AB DIVERSIONS AT GILLESPIE DAM AZ.	331336	1124617	004	013	SW	49650.00		1967		M	E		M	USGS	D
15070101	GILA R PAINTED ROCK DAM			004	021	SW			1977		M	M	M		USGS	P
15070102	AGUA FRIA RIVER AT EL MIRAGE, ARIZ.	333624	1121814	004	013	SW	1637.00	004	1978	1979	A			A	USGS	D
15070201	GILA RIVER NEAR MOUTH, NEAR YUMA, ARIZ.	324245	1143309	004	027	SW	57950.00	014	1960		M	M		E	USGS	D
15080101	VAMORI WASH NR KOM VO AZ	315652	1122036	004	019	SW	1250.00	004	1978		M			M	USGS	D
15080301	WHITEWATER DRAW NEAR DOUGLAS, ARIZ.	312108	1093504	004	003	SW	1023.00	024	1978		M			M	USGS	D
15500000	DRY BASIN CREEK T28N R112W SEC12	422528	1100635	056	035	SW	47.20		1981		M	Q	Q		USBLM	

GREAT BASIN REGION 16

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
16006500	FY77 REESTABLISH OWDC 52053			016	007	SW			1977		M	M	M		USGS	P
160066 D	SHERRILL DRIVE UT	385826		049	041	SW			1957	1972	B				USFS	
160068 I	HEAVENLY VALLY CREEK AT 8800 FT	385518	1195439	006	017	SW			1972		Y				CAO.	
160068 I	HEAVENLY VALLEY CREEK AT 8160 FT C	385539	1195520	006	017	SW			1972		Y				CA064	
160068 I	HEAVENLY VALLEY CREEK AT 8120 FT	385537	1195523	006	017	SW			1972		Y				CA064	P
160068 I	HEAVENLY VALLEY CREEK AT 8000 FT C	385527	1195539	006	017	SW			1972		Y				CA064	P
160068 I	HEAVENLY VALLEY CREEK AT 7960 FT C	385524	1195545	006	017	SW			1972		Y				CA064	P
160068 I	HEAVENLY VALLEY CREEK AT 6440 FT C	385459	1195709	006	017	SW			1972		Y				CA064	P
160068 I	HEAVENLY VALLEY FRONT NO 1 CA	385701	1195730	006	017	OT			1972	1974	Y				CA064	
160068 I	HEAVENLY VALLEY FRONT NO 2 CA	385622	1195707	006	017	OT			1972	1974	Y				CA064	
160068 I	HEAVENLY VALLEY FRONT NO 3 CA	385616	1195655	006	017	OT			1972	1974	Y				CA064	
160068 I	HEAVENLY VALLEY FRONT NO 4 CA	385613	1195655	006	017	OT			1972	1974	Y				CA064	
160068 I	HEAVENLY VALLEY FRONT NO 5 CA	385616	1195654	006	017	OT			1972	1974	Y				CA064	
160068 I	HEAVENLY VALLEY FRONT NO 8 CA	385603	1195641	006	017	OT			1972	1974	Y				CA064	
160068 I	COLD CREEK UPSTREAM CA	385401	1195713	006	017	SW			1972	1974	W				CA064	
160068 I	COLD C AT PIONEER TRAIL CA	385422	1195740	006	017	SW			1972	1974	W				CA064	
16010101	TWIN CREEK AT SAGE WYO	414836	1105812	056	023	SW	246.00	014	1967		M		A		USGS	D
16010102	BEAR R AT BORDER WY	421240	1110312	016	007	SW	2486.00	014	1964		M	R		N	USGS	D
16010201	BEAR LAKE OUTLET CANAL NEAR PARIS IDAHO	421300	1112035	016	007	SW		024	1974		A	A		E	USGS	D
16010202	STATE FISH HATCHERY GRACE ID	422800	1114300	016	029	OT			1975		M	M			ID002	
16010203	LOGAN R AB ST DAM NR LOGAN UT	414440	1114700	049	005	SW			1977		Y		Y		USFS	
16010203	LOGAN R BELOW ST DAM NR LOGAN UT	414315	1115308	049	005	SW			1977		Y		Y		USFS	
16010204	BEAR R NR CORINNE	413435	1120600	049	003	SW	7029.00	014	1973		H	Q		E	USGS	D
16020102	WEBER RIVER NR PLAIN CITY UTAH	411642	1120528	049	057	SW	2060.00		1973		H	H		E	USGS	D
16020204	LITTLE COTTONWOOD CREEK NEAR SALT LAKE CITY,	403440	1114750	049	035	SW	27.40	004	1964	1970	E			E	USGS	D
16020204	BIG COTTONWOOD CR NR SALT LAKE CITY UTAH	403707	1114652	049	035	SW	50.00	004	1964	1970	E			E	USGS	D
16020204	BIG COTTONWOOD C AT COT LANE SLC UTAH	403922	1114924	049	035	SW	58.20	014	1973	1975	A				USGS	D
16020204	MILL CREEK NEAR SALT LAKE CITY, UTAH	404120	1114655	049	035	SW	21.70	004	1964	1968	Q			Q	USGS	D
16020204	JORDAN R @ 2100 SO SALT LAKE CITY UTAH	404339	1115526	049	035	SW	3420.00	124	1963		A	A		E	USGS	D
16020204	PARLEYS CK.AT SUICIDE RK.,NR.SALT LAKE CITY,	404235	1114748	049	035	SW	50.70	014	1964	1968	N			N	USGS	D
16020204	EMIGRATION CREEK NEAR SALT LAKE CITY, UTAH	404500	1114845	049	035	SW	18.00	004	1964	1968	K	E		K	USGS	D
16020204	RED BUTTE CREEK AT FT. DOUGLAS NR. SLC, UTAH	404648	1114819	049	035	SW	7.25	004	1963		H	A		H	USGS	D
16020204	CITY CK AB WASATCH DRIVE NR SALT LAKE CITY U	404733	1115235	049	035	SW	17.10	014	1963	1968	K			K	USGS	D
16020204	SB VITRO WASTE D AB CONFL WITH VIT	404212	1115500	049	035	CN			1967				M		UT001	D

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16030001	MAMMOTH CREEK	373700	1124000	049	017	SW			1974		A				USFS	
16030002	E F SEVIER R TROPIC RE	373635	1121525	049	017	SW			1974		A				USFS	
16030003	SHEEP C NR SALINA UT	384700	1114100	049	041	SW			1957		B				USFS	
16030003	WF SHEEP C NR SALINA UT	384700	1114100	049	041	SW			1957	1972	B				USFS	
16030003	MILL CREEK NEAR GLENWOOD, UTAH	384501	1115835	049	041	SW	14.00	004	1973	1973	M	M			USGS	
16030005	SEVIER RIVER NEAR LYNNDYL, UTAH	392855	1122335	049	027	SW	6270.00	014	1900		Q	Q		E	USGS	D
16030006	COAL CREEK NEAR CEDAR CITY, UTAH	374020	1130202	049	021	SW	80.90	014	1967		E	E		E	USGS	D
16030007	MERCHANT C UPPER BEAVER	381927	1122336	049	001	SW	4.50		1971		M				USFS	
16030007	MERCHANT C LOWER BEAVER	381849	1122404	049	001	SW	7.50		1971		M				USFS	
16030007	NF THREE C LOWER BEAVER	381800	1122442	049	001	SW	3.50		1971		M				USFS	
16030007	MF THREE C UPPER BEAVER	381906	1122111	049	001	SW	2.00		1971		M				USFS	
16030007	MF THREE C LOWER BEAVER	381735	1122430	049	001	SW	12.00		1971		M				USFS	
16030007	BEAVER RIV AT ADAMSVILLE, UTAH	381513	1124603	049	001	SW	23.00		1974		Q	Q		E	USGS	D
16040101	HUMBOLDT R AT PALISADE, NV	403625	1161205	032	007	SW			1962	1966	M	B			USGS	
16040102	N F HUMBOLDT R AT DEVILS GATE NR HALLECK, NV	411050	1152935	032	007	SW	830.00	024	1976		A	A		A	USGS	D
16040103	S F HUMBOLDT R AB DIXIE C NR ELKO, NV	404105	1154845	032	007	SW	1150.00	024	1976	1979	R	A		R	USGS	D
16040108	HUMBOLDT R NR ROSE C NV	405205	1175945	032	013	SW			1977		M	B			USGS	
16040108	HUMBOLDT R NR IMLAY, NV	404130	1181210	032	027	SW	15700.00	024	1974		M	K		M	USGS	D
16040108	HUMBOLDT R NR RYE PATCH, NV	402800	1181820	032	027	SW	16100.00	014	1949		N			N	USGS	D
16040201	MC DERMITT C NR MC DERMITT, NV	415800	1175001	032	013	SW	225.00		1949		E	E		E	USGS	D
16050101	HEAVENLY VALLEY CREEK AT 8800 FT	385518	1195439	006	017	SW			1972		Y				CA064	P
16050101	HEAVENLY VALLEY CREEK AT 8160 FT C	385539	1195520	006	017	SW			1972		Y				CA064	P
16050101	HEAVENLY VALLEY CREEK AT 8120 FT	385537	1195523	006	017	SW			1972		Y				CA064	P
16050101	HEAVENLY VALLEY CREEK AT 8000 FT C	385527	1195539	006	017	SW			1972		Y				CA064	P
16050101	HEAVENLY VALLEY CREEK AT 7960 FT C	385524	1195545	006	017	SW			1972		Y				CA064	P
16050101	HEAVENLY VALLEY CREEK AT 6440 FT C	385459	1195709	006	017	SW			1972		Y				CA064	P
16050101	HEAVENLY VALLEY FRONT NO 1 CA	385701	1195730	006	017	OT			1972	1974	Y				CA064	
16050101	HEAVENLY VALLEY FRONT NO 2 CA	385622	1195707	006	017	OT			1972	1974	Y				CA064	
16050101	HEAVENLY VALLEY FRONT NO 3 CA	385616	1195655	006	017	OT			1972	1974	Y				CA064	
16050101	HEAVENLY VALLEY FRONT NO 4 CA	385613	1195655	006	017	OT			1972	1974	Y				CA064	
16050101	HEAVENLY VALLEY FRONT NO 5 CA	385616	1195654	006	017	OT			1972	1974	Y				CA064	
16050101	HEAVENLY VALLEY FRONT NO 6 CA	385613	1195632	006	017	OT			1972	1974	Y				CA064	
16050101	HEAVENLY VALLEY FRONT NO 7 CA	385608	1195635	006	017	OT			1972	1974	Y				CA064	P
16050101	HEAVENLY VALLEY FRONT NO 8 CA	385603	1195641	006	017	OT			1972	1974	Y				CA064	

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16050101	COLD CREEK UPSTREAM CA	385401	1195713	006	017	SW			1972	1974	W				CA064	
16050101	COLD C AT PIONEER TRAIL CA	385422	1195740	006	017	SW			1972	1974	W				CA064	
16050101	LONELY GULCH BELOW RESERVOIR CA	390042	1200728	006	017	SW			1972	1974	W				CA064	P
16050101	LONELY GULCH AT VICTORIA DR CA	390110	1200710	006	017	SW			1972	1974	W				CA064	P
16050101	WARD CREEK CA	390811	1201102	006	061	SW			1974		Y				CA064	P
16050101	WARD CREEK CA	390812	1201011	006	061	SW			1974		Y				CA064	P
16050101	TROUT C AT S LAKE TAHOE CA	385556	1195840	006	017	SW			1970	1975	Y				NV005	C
16050101	WARD C AT HWY 89 CA	390755	1200925	006	061	SW			1970	1975	Y				NV005	C
16050101	BLACKWOOD C AT HWY 89 CA	390620	1200940	006	061	SW			1970	1975	Y				NV005	C
16050101	MADDEN C AT HOMEWOOD CA	390527	1200942	006	061	SW			1972	1974	Y				NV005	C
16050101	HOMEWOOD C AT HOMEWOOD CA	390445	1200930	006	061	SW			1972	1975	Y				NV005	C
16050101	MCKINNEY C AT HWY 89	390405	1200825	006	061	SW			1972	1974	Y				NV005	C
16050101	MCKINNEY C AT CASCADE DR CA	390345	1200850	006	061	SW			1972	1974	Y				NV005	C
16050101	GENERAL C AB HWY 89	390305	1200700	006	017	SW			1970	1974	Y				NV005	C
16050101	MEEKS C AT MEEKS BAY CA	390209	1200723	006	017	SW			1972	1974	Y				NV005	C
16050101	EAGLE C AB HWY 89	385705	1200650	006	017	SW			1972	1975	Y				NV005	C
16050101	TALLAC C AT HWY 89	385600	1200440	006	017	SW			1972	1974	Y				NV005	C
16050101	UPPER TALLAC C AB HWY 89	385525	1200440	006	017	SW			1972	1974	Y				NV005	C
16050101	GRASS LAKE C NR MEYERS CA	384807	1200054	006	017	SW			1972	1974	Y				NV005	C
16050101	UPPER TRUCKEE R NR MEYERS CA	384805	1200100	006	017	SW			1972	1974	Y				NV005	C
16050101	UPPER TRUCKEE R AT S LK TAHOE CA	385522	1195923	006	017	SW			1970	1974	Y				NV005	C
16050101	HEAVENLY VALLEY C AT PIONEER TRAIL	385505	1195730	006	017	SW			1972	1975	Y				NV005	C
16050101	EDGEWOOD C AT HWY 50 NV	385758	1195611	032	005	SW			1971	1975	Y				NV005	C
16050101	BURKE C AT HWY 50 NV	385815	1195600	032	005	SW			1972	1974	Y				NV005	C
16050101	LOGAN HOUSE C AB HWY 50 NV	390355	1195625	032	005	SW			1972	1974	Y				NV005	C
16050101	GLENBROOK C AT GLENBROOK NV	390515	1195620	032	005	SW			1970	1974	Y				NV005	C
16050101	INCLINE C AT INCLINE VILLAGE NV	391425	1195638	032	031	SW			1970	1975	Y				NV005	C
16050101	INCLINE C AT SKI INCLINE NV	391510	1195523	032	031	SW			1972	1975	Y				NV005	C
16050101	INCLINE C AT TYROLEAN VILLAGE NV	391530	1195520	032	031	SW			1972	1975	Y				NV005	C
16050101	THIRD C AT LAKESHORE BLVD NV	391426	1195644	032	031	SW			1970	1974	Y				NV005	C
16050101	THIRD C AT HWY 27 NV	391627	1195650	032	031	SW			1972	1974	Y				NV005	C
16050101	WOOD C AT LAKESHORE BLVD NV	391435	1195730	032	031	SW			1972	1974	Y				NV005	C
16050101	WOOD C AT HWY 27 NV	391540	1195725	032	031	SW			1972	1974	Y				NV005	C
16050101	SECOND C AT SILVERTIP DR NV	391505	1195835	032	031	SW			1970	1975	Y				NV005	C

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16050101	WATSON C AT HWY 28 CA	391305	1200510	006	061	SW			1972	1974	Y				NV005	C
16050101	DOLLAR C NR TAHOE CITY CA	391155	1200550	006	061	SW			1972	1974	Y				NV005	C
16050101	BURTON C AT HWY 28 CA	391055	1200725	006	061	SW			1972	1975	Y				NV005	C
16050101	FIRST C AT HWY 28 NV	391500	1195917	032	031	SW			1970	1974	Y				NV005	C
16050101	STREAM FROM OLD MEYERS DUMP	385220	1195909	006	017	SW			1977	1979	A				USFS	D
16050101	TH END OF OLD MEYERS DUMP	385228	1195907	006	017	SW			1977		A				USFS	D
16050101	BSTATION N. OF OLD MEYERS DUMP	385229	1195905	006	017	SW			1977		A				USFS	D
16050101	VE JUNCTION WITH UN-NAMED CR.	385229	1195904	006	017	SW			1977	1979	A				USFS	D
16050101	OF POWER SUB-STATION	385230	1195904	006	017	SW			1977	1979	A				USFS	D
16050101	GRASS LAKE CREEK NEAR MEYERS CALIF	384807	1200054	006	017	SW	6.99	004	1970	1974	2	G		2	USGS	D
16050101	UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE CALI	385522	1195923	006	017	SW	54.80	004	1970	1974	W	A		W	USGS	D
16050101	GLEN ALPINE CREEK NR MEYERS	385248	1200412	006	017	SW	10.80	004	1974	1975	Q				USGS	D
16050101	EAGLE CREEK NEAR CAMP RICHARDSON CALIF	385705	1200638	006	017	SW	6.38	004	1970	1974	2	K		2	USGS	D
16050101	MEEKS C AT MEEKS BAY CALIF	390209	1200729	006	017	SW	8.08	004	1970	1974	2	R		2	USGS	D
16050101	QUAIL LAKE CREEK AT HOMEWOOD CALIF	390434	1200906	006	061	SW	.95	004	1970	1974	2	R		2	USGS	D
16050101	MADDEN CREEK NR HOMEWOOD CALIF	390514	1201024	006	061	SW	1.40	004	1970	1973	2	N		2	USGS	D
16050101	MADDEN CREEK AT HOMEWOOD CALIF	390527	1200942	006	061	SW	2.06	004	1970	1973	2	N		2	USGS	D
16050101	BLACKWOOD CREEK NR TAHOE CITY CALIF	390627	1200937	006	061	SW	11.20	004	1973		W	S		W	USGS	D
16050101	WARD CREEK NR TAHOE PINES, CALIF	390809	1201311	006	061	SW	2.00	004	1971	1980	O	K		O	USGS	D
16050101	WARD CREEK TRIBUTARY NEAR TAHOE PINES, CALIF	390829	1201306	006	061	SW	.89	004	1971	1980	O	R		O	USGS	D
16050101	WARD CREEK LOOP ROAD TRIBUTARY NR TAHOE PINE	390828	1201305	006	061	SW	.48	004	1973		X	E		P	USGS	D
16050101	WARD CREEK AT HY 89 NEAR TAHOE PINES, CALIF	390756	1200924	006	061	SW	9.70	004	1971		W	R		W	USGS	D
16050101	DOLLAR CREEK NR TAHOE CITY CALIF	391155	1200550	006	061	SW	1.07	004	1972	1974	2	R		2	USGS	D
16050101	FIRST C NR CRYSTAL BAY, NV	391500	1195918	032	031	SW	1.09	004	1969		E	R		E	USGS	D
16050101	SECOND C NR CRYSTAL BAY, NV	391510	1195835	032	031	SW	1.63	004	1969	1973	E	A		E	USGS	D
16050101	WOOD C NR CRYSTAL BAY, NV	391540	1195725	032	031	SW	1.69	004	1969	1973	E	E		E	USGS	D
16050101	WOOD C AT MOUTH NR CRYSTAL BAY, NV	391435	1195730	032	031	SW	2.05	004	1969	1973	E	A		E	USGS	D
16050101	THIRD C AT INCLINE VILLAGE, NV	391625	1195650	032	031	SW	4.30	004	1969	1973	E	E		E	USGS	D
16050101	THIRD C NR CRYSTAL BAY, NV	391426	1195644	032	031	SW	5.81	003	1969		E	A		E	USGS	D
16050101	INCLINE C NR CRYSTAL BAY, NV	391425	1195638	032	031	SW	7.00		1969		E	R		E	USGS	D
16050101	GLENBROOK C AT GLENBROOK, NV	390515	1195620	032	005	SW	4.07		1971	1974		R			USGS	D
16050101	TROUT CREEK NR TAHOE VALLEY CALIF	385512	1195817	006	017	SW	36.70	004	1972	1974	W	A		W	USGS	D
16050101	TROUT CREEK AT SOUTH LAKE TAHOE CALIF	385556	1195840	006	017	SW	40.40	004	1970	1974	2	N		2	USGS	D
16050101	89 ED 1.70	390100	1200017	006	017	SW			1973	1974	P	R		P	USGS	D

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16050101	89 ED 1.94	390104	1200016	006	017	SW			1972	1974	H	N		H	USGS	D
16050101	89 ED 2.99	390209	1200012	006	017	SW			1972	1974	K	X		K	USGS	D
16050101	89 ED 2.21	390221	1200014	006	017	SW			1972	1974	N	N		N	USGS	D
16050101	89 ED 2.44	390244	1200013	006	017	SW			1972	1974	M	N		M	USGS	D
16050101	28 PL 3.50	390350	1200001	006	017	SW			1972	1974	N	N		N	USGS	D
16050102	GAUGE 2	391646	1200658	006	061	SW			1974	1975	N				CA009	D
16050102	EAST FORK BELOW SAWMILL PIPE	391533	1200637	006	061	SW			1975	1975	A				CA009	D
16050102	SAWMILL VALVE	391550	1200641	006	061	SW			1975	1975	K				CA009	D
16050102	CULVERT UNDER SAWMILL FLAT ROAD	391531	1200641	006	061	SW			1975	1975	A				CA009	D
16050102	BELOW DAM SPILLWAY	391529	1200747	006	061	SW			1975	1975	A				CA009	D
16050102	DRAINAGE FROM DAM ROAD	391554	1200638	006	061	SW			1975	1975	A				CA009	D
16050102	MIDDLE FORK MARTIS ABOVE MARTIS	391806	1200712	006	061	SW			1975	1975	N				CA009	D
16050102	MARTIS CREEK ABOVE WEST MARTIS	391805	1200717	006	061	SW			1975	1975	N				CA009	D
16050102	SMALL CREEK AT BASQUE DRIVE	391714	1200645	006	061	SW			1975	1975	R				CA009	D
16050102	SMALL CREEK AT NORTHSTAR DRIVE	391643	1200644	006	061	SW			1975	1975	A				CA009	D
16050102	GAUGE 4	391706	1200815	006	061	SW			1974	1975	K				CA009	D
16050102	WEST MARTIS ABOVE MARTIS	391804	1200715	006	061	SW			1975	1975	N				CA009	D
16050102	GAUGE 3	391740	1200650	006	061	SW			1974	1975	K				CA009	D
16050102	WEST MARTIS AT BASQUE DRIVE	391711	1200657	006	061	SW			1975	1975	A				CA009	D
16050102	W. MARTIS BELOW NORTHSTAR DRIVE	391656	1200657	006	061	SW			1975	1975	N				CA009	D
16050102	ROCK LINED DRAINAGE DITCH 1	391653	1200700	006	061	SW			1975	1975	A				CA009	D
16050102	ROCK LINED DRAINAGE DITCH 2	391654	1200704	006	061	SW			1975	1975	A				CA009	D
16050102	ROCK LINED DRAINAGE DITCH 3	391651	1200704	006	061	SW			1975	1975	A				CA009	D
16050102	ABOVE ROCK LINED DRAINAGE DITCH	391651	1200700	006	061	SW			1975	1975	A				CA009	D
16050102	DRAINAGE FROM UNIT 1B	391649	1200659	006	061	SW			1975	1975	A				CA009	D
16050102	TRAPEZOIDAL WEIR	391646	1200701	006	061	SW			1974	1975	K				CA009	D
16050102	VILLAGE CULVERT	391633	1200706	006	061	SW			1974	1975	K				CA009	D
16050102	PARKING LOT DROP INLET 1	391635	1200707	006	061	SW			1975	1975	A				CA009	D
16050102	PARKING LOT DROP INLET 3	391633	1200708	006	061	SW			1975	1975	A				CA009	D
16050102	WEST FORK ABOVE VILLAGE CULVERT	391631	1200705	006	061	SW			1974	1975	K				CA009	D
16050102	DRAINAGE FROM T1 LIFT	391624	1200703	006	061	SW			1975	1975	A				CA009	D
16050102	WEST FORK ABOVE T1 DRAINAGE	391624	1200706	006	061	SW			1975	1975	A				CA009	D
16050102	GAUGE 1	391549	1200726	006	061	SW			1975	1975	N				CA009	D
16050102	NEW DRAINAGE NEAR BIG SPRINGS	391559	1200724	006	061	SW			1975	1975	A				CA009	D

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16050102	MAIN DRAINAGE AT HALFWAY HOUSE	391529	1200747	006	061	SW			1975	1975	A				CA009	D
16050102	WEST OR C DRAINAGE AT HALFWAY HS	391530	1200748	006	061	SW			1975	1975	A				CA009	D
16050102	TRUCKEE R AT FARAD	392541	1200159	006	057	SW			1977		Y		Y		USFS	
16050102	MARTIS C AT HWY 267 NR TRUCKEE, CA	391808	1200713	006	061	SW	25.80	004	1972		R			S	USGS	D
16050102	MARTIS CREEK LAKE NEAR TRUCKEE CA	391938	1200648	006	057	SW	40.00	014	1973		S				USGS	D
16050102	MARTIS CREEK NEAR TRUCKEE CA	391944	1200700	006	057	SW	40.00	014	1972		R			R	USGS	D
16050102	SAGEHEN CREEK NR TRUCKEE CALIF	392554	1201407	006	057	SW	10.80	004	1968	1975	M	A		M	USGS	D
16050102	TRUCKEE R AT FARAD, CA	392541	1200159	006	057	SW	932.00		1951		E			E	USGS	D
16050102	PEAVINE C NR RENO, NV	393235	1195155	032	031	SW	2.34		1967	1974	R	A		R	USGS	D
16050102	TRUCKEE R AT VISTA, NV	393105	1194058	032	031	SW	1431.00	124	1969		A				USGS	D
16050102	TRUCKEE CA AT WADSWORTH NV	393625	1191835	032	001	CN			1977		M	B			USGS	
16050102	TRUCKEE R BL DERBY DAM NR WADSWORTH, NV	393505	1192625	032	029	SW	1676.00	124	1978		A			A	USGS	D
16050102	MARTIS CR AT HWY 267,CA	391810	1200711	006	061	SW			1973	1973	A				USGS	D
16050103	TRUCKEE R AT WADSWORTH, NV	393819	1191609	032	031	SW	1728.00	124	1964		A			A	USGS	D
16050103	TRUCKEE R NR NIXON, NV	394640	1192010	032	031	SW	1827.00	124	1966		M	E		M	USGS	D
16050103	W WALKER R NR WELLINGTON NV	394530	1192255	032	019	SW			1977		M	B			USGS	
16050201	WF CARSON R RTE 89 BRIDGE	384630	1194920	006	003	SW			1974	1977				Z	CA011	
16050201	WF CARSON R NR HWY 88 IN CA	384845	1194625	006	003	SW			1977		Y		Y		USFS	
16050201	E F CARSON R NR GARDNERVILLE, NV	385050	1194210	032	005	SW	356.00	024	1952		A			A	USGS	D
16050201	FY77 REESTABLISH OWDC 51089	385050	1194210	032	005	SW			1977		M	B			USGS	
16050201	W F CARSON R AT WOODFORDS, CA	384610	1195000	006	003	SW			1960	1975	M	B			USGS	
16050202	CARSON R NR FORT CHURCHILL, NV	391730	1191840	032	019	SW	1302.00	124	1970		E	E		E	USGS	D
16050202	CARSON R NR NEW EMPIRE NV	391055	1194225	032	023	SW			1977		M	B			USGS	
16050203	TRUCKEE CA NR HAZEN, NV	393215	1190415	032	001	SW		014	1979		A				USGS	D
16050203	TRUCKEE CA NR HAZEN NV	393215	1190415	032	001	CN			1977		M	B			USGS	
16050301	E WALKER R NR STATE LINE NV	382630	1190625	032	019	SW			1977		Q	B			USGS	
16050302	W WALKER R AB DIVERSION TO TOPAZ L	383740	1193030	006	051	SW			1977		Y		Y		USFS	
16050303	WALKER R NR WABUSKA, NV	390910	1190550	032	019	SW	2600.00	014	1960		E	E		E	USGS	D
16050303	WALKER R BL SCHURZ NV	385200	1184600	032	021	SW			1977		M	B			USGS	
16050304	COTTONWOOD C NEVADA	383854	1184814	032	021	SW			1977		Q	B			USGS	
16060004	S TWIN R NR ROUND MOUNTAIN, NV	385315	1171440	032	023	SW	20.00	014	1965		E	E		E	USGS	D
16060008	STEPTOE C NR ELY, NV	391205	1144115	032	033	SW	11.10	004	1965		E	E		E	USGS	D
16060010	CHIATOVICH C NR DYER, NV	375000	1181210	032	009	SW	37.30	004	1960		E	E		E	USGS	D
16060012	WHITE SAGE	390900	1154345	032	033	SW			1975		O	O			USBLM	

PACIFIC NORTHWEST REGION 17

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
170073 U	ROGUE RIVER NEAR AGNESS,OREG.			041	015	SW			1975		E	E		E	USGS	D
170074 E	JOHN DAY R AT MCDONALD FERRY,OREG.			041	055	SW			1975		E	E		E	USGS	D
170074 T	TUALATIN RIVER AT WEST LINN,OREG.			041	005	SW			1975		E	E		E	USGS	D
170074AD	DEER C II	443200	1235200	041	041	SW			1962	1967	W				OR001	C
170074AD	DEER C III	443200	1235200	041	041	SW			1962	1967	W				OR001	C
170074AD	DEER C IV	443200	1235200	041	041	SW			1964	1967	W				OR001	C
170074AD	DEER C V	443200	1235200	041	041	SW			1963	1967	W				OR001	C
17007400	FY76 CHANGE OPERATION OWDC54193 TO			041	005	SW			1977		M	M	M		USGS	P
17007400	ALSEA R NR TIDEWATER OR			041	041	SW			1977		M	M	M		USGS	P
17007500	SIMILKAMEEN R - INT BDY			053	047	SW			1977		M	M	M		USGS	P
17007500	FY77 CHANGE OPERATION OWDC51913 TO			053	027	SW			1977		M	M	M		USGS	
17007500	FY77 CHANGE OPERATION OWDC51915 TO			053	031	SW			1977		M	M	M		USGS	
170076 W	HAYDEN CREEK			018	055	SW			1967	1969	B	B			USFS	
17007600	SF PALOUSE R AT MOSCOW ID			016	057	SW			1977		O	M			USSCS	
17007800	OWYHEE R BL OWYHEE DAM			041	045	SW			1977		M	M	M		USGS	P
17007900	FY77 REESTABLISH OWDC 66891			056	023	SW			1977		M	M	M		USGS	P
17007900	FY77 CHANGE OPERATION OWDC51071 TO			056	023	SW			1977		M	M	M		USGS	P
17007900	PORTNEUF R BL MARSH C ID			016	005	SW			1977		O	M			USSCS	
17007900	ROCK C AT ROCKLAND ID			016	077	SW			1977		O	M			USSCS	
17010101	LYNX CREEK KN4002 <	482915	1155000	030	053	SW			1970	1977	R				USFS	D
17010101	KOOTENAI RIVER NEAR REXFORD, MT.	485228	1151337	030	053	SW	8420.00	024	1966	1972	2	E		2	USGS	D
17010101	KOOTENAI RIVER BL LIBBY DAM, NEAR LIBBY, MT.	482403	1151911	030	053	SW	8985.00	014	1966		3	E		3	USGS	D
17010101	FISHER RIVER NEAR LIBBY, MT.	482120	1151850	030	053	SW	838.00	004	1966		3	E		3	USGS	D
17010101	ROSS CREEK NEAR TROY MT	481226	1155208	030	053	SW	23.80	004	1970		E			E	USGS	D
17010102	FISHER RIVER ABOVE WOLF CREEK, NEAR LIBBY, M	481300	1151620	030	053	SW	768.00	004	1967	1970	M			M	USGS	D
17010102	WOLF CREEK NEAR LIBBY, MT.	481401	1151702	030	053	SW	216.00	004	1966	1970	2	A		2	USGS	D
17010104	BALL CREEK NEAR BONNERS FERRY, IDAHO	484740	1162454	016	021	SW	26.60	024	1973		E				USGS	D
17010104	KOOTENAI RIVER NR COPELAND, ID	485443	1162459	016	021	SW	13400.00	004	1965		O	E		O	USGS	D
17010201	AMBROSE CREEK	463506	1133000	030	081	SW			1973		Y				USFS	C
17010201	MIDDLE FK ROCK CR NR POTATO L&S	461130	1133000	030	039	SW			1970	1975	X				USFS	D
17010201	ROCK CR BL WEST FORK ROCK CREEK	461340	1133110	030	039	SW			1970	1975	X				USFS	D
17010202	ALDER CR AT MOUTH	462820	1134650	030	039	SW			1970	1975	N				USFS	D
17010202	EAST FK ROCK CR BL E FK RESERVR	460750	1132250	030	039	SW			1970	1975	A				USFS	D
17010202	GRIZZLY CRK NR MOUTH	463440	1133850	030	039	SW			1970	1975	X				USFS	D

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17010202	MEADOW CR BL DRY GULCH	460800	1132530	030	039	SW			1970	1975	A				USFS	D
17010202	MIDDLE FK ROCK CR NR KAISER LAKE	460550	1133020	030	039	SW			1970	1975	X				USFS	D
17010202	ROCK CRK NR MOUTH	464220	1134020	030	063	SW			1970	1975	X				USFS	D
17010202	ROCK CRK NR DALLES CR CG	463340	1134210	030	039	SW			1970	1975	X				USFS	D
17010202	ROCK CR AT BIGHORN CR CG	462230	1133840	030	039	SW			1970	1975	N				USFS	D
17010202	ROSS FORK ROCK CR BL MOOSE MDW C	460920	1133400	030	039	SW			1970	1975	X				USFS	D
17010202	WELCOME CRK AT MOUTH	463350	1134210	030	039	SW			1970	1975	X				USFS	D
17010202	WEST FK ROCK CR AT WEST FK GS	461340	1133320	030	039	SW			1970	1975	R				USFS	D
17010202	WILLOW CRK NR SLIDEROCK MTN	462920	1132940	030	039	SW			1970	1975	K				USFS	D
17010202	WILLOW CRK AT GILLES BRIDGE	462000	1133220	030	039	SW			1970	1975	R				USFS	D
17010202	WYMAN CR AT MOUTH	462350	1134130	030	039	SW			1970	1975	N				USFS	D
17010202	S F FLUME LOWER WILLOW C NR HALL	463300	1131900	030	039	SW			1972		B				USSCS	
17010202	N F FLUME LOWER WILLOW C NR HALL	463400	1132000	030	039	SW			1972		B				USSCS	
17010202	OUTFLOW FLUME L LOWER WILLOW C	463400	1131900	030	039	SW			1972		B				USSCS	
17010203	BLACKFOOT RIVER NEAR LINCOLN, MT.	470237	1122414	030	049	SW	15.10	004	1967	1975	M				USGS	D
17010203	BLACKFOOT RIVER BL ALICE CREEK, NR LINCOLN,	465921	1123040	030	049	SW	96.90		1969	1975	E	E		E	USGS	D
17010203	FLATHEAD RIVER AT FLATHEAD, BRITISH COLUMBIA	490004	1142830	087		SW	427.00		1965		O	A		D	USGS	D
17010204	BIG CREEK	472000	1153500	030	061	SW			1968		W	W			USFS	
17010204	RATTLESNAKE CREEK	465800	1135300	030	063	SW			1968	1969	M				USFS	
17010205	WEST FORK BITTERROOT	453340	1141915	030	081	SW			1973		Y				USFS	C
17010205	DEER CREEK	453535	1141936	030	081	SW			1973		Y				USFS	C
17010205	HUGHES CREEK	453648	1141746	030	081	SW			1973		Y				USFS	C
17010205	OVERWHICH CREEK	453946	1140905	030	081	SW			1973		Y				USFS	C
17010205	SLATE CREEK	454149	1140704	030	081	SW			1973		Y				USFS	C
17010205	WEST FORK BITTERROOT	454415	1141651	030	081	SW			1973		Y				USFS	C
17010205	WEST FORK BITTERROOT	454743	1141611	030	081	SW			1973		Y				USFS	C
17010205	NEZPERCE FORK	454500	1142353	030	081	SW			1973		Y				USFS	C
17010205	NEZPERCE FORK	454756	1141609	030	081	SW			1973		Y				USFS	C
17010205	BOULDER CREEK	454955	1141536	030	081	SW			1973		Y				USFS	C
17010205	PIQUETT CREEK	454830	1141008	030	081	SW			1973		Y				USFS	C
17010205	PIQUETT CREEK	455156	1141154	030	081	SW			1973		Y				USFS	C
17010205	WEST FORK BITTERROOT RIVER	455436	1141000	030	081	SW			1973		Y				USFS	C
17010205	MOOSE CREEK	455555	1134315	030	081	SW			1977		Y				USFS	C
17010205	MARTIN CREEK	455550	1134320	030	081	SW			1977		Y				USFS	C

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17010205	EF BITTERROOT R GUARD STATION	455515	1134340	030	081	SW			1973		Y				USFS	C
17010205	WARM SPRINGS CREEK	455000	1140228	030	081	SW			1973		Y				USFS	C
17010205	EF BITTERROOT R D-2	455300	1140346	030	081	SW			1973		Y				USFS	C
17010205	RYE CREEK	455744	1140015	030	081	SW			1973		Y				USFS	C
17010205	NORTH FORK RYE CREEK	455947	1140147	030	081	SW			1973		Y				USFS	C
17010205	CHAFFIN CREEK	455713	1141145	030	081	SW			1973		Y				USFS	C
17010205	LOST HORSE CREEK	460550	1141600	030	081	SW			1973		Y				USFS	C
17010205	SLEEPING CHILD C	460631	1140010	030	081	SW			1973		Y				USFS	C
17010205	SLEEPING CHILD C	460754	1140325	030	081	SW			1973		Y				USFS	C
17010205	LITTLE SLEEPING CHILD CREEK	460501	1140547	030	081	SW			1973		Y				USFS	C
17010205	SOUTH FORK SKALKAHO	461000	1135408	030	081	SW			1973		Y				USFS	C
17010205	DALY CREEK	461014	1135423	030	081	SW			1973		Y				USFS	C
17010205	SKAIKAHO CREEK	460944	1135714	030	081	SW			1973		Y				USFS	C
17010205	BLODGETT CREEK	461606	1141430	030	081	SW			1973		Y				USFS	C
17010205	WILLOW CREEK	461655	1135445	030	081	SW			1973		Y				USFS	C
17010205	BURNT FORK CREEK	462340	1135400	030	081	SW			1973		Y				USFS	C
17010205	GOLD CREEK	462420	1135425	030	081	SW			1973		Y				USFS	C
17010205	KOOTENAI CREEK	463215	1140930	030	081	SW			1973		Y				USFS	C
17010205	EIGHTMILE CREEK	463910	1135320	030	081	SW			1973		Y				USFS	C
17010207	M F FLATHEAD RIVER NEAR WEST GLACIER, MT.	482943	1140033	030	029	SW	1128.00	004	1970	1970	E				USGS	D
17010208	FLATHEAD RIVER AT COLUMBIA FALLS, MT.	482143	1141102	030	029	SW	4464.00	024	1948		2	E		2	USGS	D
17010208	FLATHEAD RIVER NEAR KALISPELL, MT	481238	1141523	030	029	SW	4500.00	124	1964	1968	2	A		2	USGS	D
17010213		480800	1161300	016	017	SW			1974	1978	K				USFS	D
17010213	THOMPSON RIVER NEAR MARION, MT.	475627	1145827	030	029	SW	104.00	004	1975		Q				USGS	D
17010213	THOMPSON RIVER NEAR MARION, MT.	475627	1145827	030	029	SW			1975		A			A	USGS	D
17010213	THOMPSON R AB L THOMPSON R NR THOMPSON FALLS	474405	1150142	030	089	SW	321.00		1975		Q				USGS	D
17010213	THOMPSON R AB L THOMPSON R NR THOMPSON FALLS	474405	1150142	030	089	SW			1975		A			A	USGS	D
17010213	LITTLE THOMPSON RIVER NEAR THOMPSON FALLS, M	474346	1150139	030	089	SW	129.00		1975		Q				USGS	D
17010213	LITTLE THOMPSON RIVER NEAR THOMPSON FALLS, M	474346	1150139	030	089	SW			1975		A			A	USGS	D
17010213	WEST FORK THOMPSON RIVER NR THOMPSON FALLS,	473900	1151022	030	089	SW	35.70		1975		Q				USGS	D
17010213	WEST FORK THOMPSON RIVER NR THOMPSON FALLS,	473900	1151022	030	089	SW			1975		A			A	USGS	D
17010213	THOMPSON RIVER NEAR THOMPSON FALLS, MT.	473531	1151343	030	089	SW	642.00		1975		Q				USGS	D
17010213	THOMPSON RIVER NEAR THOMPSON FALLS, MT.	473531	1151343	030	089	SW			1975		A			A	USGS	D
17010214		480600	1163800	016	017	SW			1974	1978	A				USFS	D

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17010214		482200	1161600	016	017	SW			1974	1978	R				USFS	D
17010214		482200	1161700	016	017	SW			1974	1978	A				USFS	D
17010214	PACK RIVER NEAR COLBURN, IDAHO	482512	1163002	016	017	SW	124.00	004	1973		E			E	USGS	D
17010215	PRIEST RIVER NEAR PRIEST RIVER, IDAHO	481231	1165449	016	017	SW	902.00	014	1972		E			E	USGS	D
17010216	PEND OREILLE RIVER AT INT BOUNDARY	485956	1172109	053	051	SW	25200.00	124	1973		E	E		E	USGS	D
17010302	S FK COEUR D'ALENE RIVER AT KELLOGG ID	473249	1160809	016	079	SW	194.00	004	1972		A			A	USGS	D
17010302	S FK COEUR DALENE R AT SMELTERVILLE, IDAHO	473255	1161025	016	079	SW	202.00	004	1967	1973	E			E	USGS	D
17010304	ST. JOE R AT ST MARIES IDAHO	471900	1163340	016	009	SW			1969		A				ID004	D
17010304	SHERLOCK CREEK AT MOUTH	470400	1151400	016	079	SW			1972		A				USFS	D
17010304	QUARTZ CREEK AT FR 218 BRIDGE	471200	1153100	016	079	SW			1970		K				USFS	D
17010304	SIMMONS CREEK AT FR 218 BRIDGE	470800	1152400	016	079	SW			1970		K				USFS	D
17010304	ST JOE RIVER AT CALDER,IDAHO	471700	1161100	016	079	SW			1970		N				USFS	D
17010304	ST JOE RIVER AT HOYT FLAT	471500	1155500	016	079	SW			1970		N				USFS	D
17010304	ST JOE RIVER AT RED IVES	470300	1152100	016	079	SW			1970		N				USFS	D
17010304	ST. MARIES RIVER NEAR SANTA IDAHO	471035	1162930	016	009	SW	275.00	004	1972		E			E	USGS	D
17010305	HAYDEN CK BELOW N FK, NR HAYDEN LAKE, IDAHO	474922	1163910	016	055	SW	22.00	004	1966		E	E		E	USGS	D
17010307	SPOKANE RIVER AT LONG LAKE, WASH	475018	1175105	053	063	SW	6020.00	123	1958		M	M		M	USGS	D
17020001	COLUMBIA RIVER AT NORTHPORT, WASH.	485521	1174632	053	065	SW	60200.00	124	1951		E	E		E	USGS	D
17020001	BARNABY CREEK NR. RICE	482604	1181331	053	019	SW			1972	1973	Q			Q	USGS	D
17020001	LITTLE JIM CREEK NR. DAISY	482204	1181143	053	019	SW			1972	1973	R			R	USGS	D
17020001	HALL CREEK AT INCHELIUM, WASH.	481841	1181239	053	019	SW	160.00	024	1972	1973	Q			Q	USGS	D
17020001	STRANGER CREEK AT INCHELIUM	481732	1181120	053	019	SW	80.20	024	1972	1973	Q			Q	USGS	D
17020001	NEZ PERCE CREEK NR. KEWA	481027	1181446	053	019	SW			1972	1973	Q			Q	USGS	D
17020001	FALLS CREEK NR. KEWA	480859	1181611	053	019	SW			1972	1973	Q			Q	USGS	D
17020001	WILMONT CREEK NR. HUNTER	480434	1181929	053	019	SW			1972	1973	Q			Q	USGS	D
17020001	NINEMILE CREEK NR. FRUITLAND	480250	1182606	053	019	SW			1972	1973	Q			Q	USGS	D
17020001	LITTLE NINEMILE CREEK NR. FRUITLAND	480104	1182438	053	019	SW			1972	1973	Q			Q	USGS	D
17020001	SIXMILE CREEK NR. MILES	475823	1182222	053	019	SW			1972	1973	Q			Q	USGS	D
17020001	THREEMILE CREEK NR. MILES	475618	1182206	053	019	SW			1972	1973	R			R	USGS	D
17020002	KETTLE RIVER NEAR FERRY, WASH.	485853	1184555	053	019	SW	2220.00	024	1969	1971	Q				USGS	
17020002	KETTLE RIVER NEAR LAURIER, WASH.	485904	1181255	053	019	SW	3800.00	024	1969	1971	Q				USGS	
17020002	KETTLE RIVER NR BARSTOW, WASH.			053	019	SW			1960		M	M	M		USGS	
17020003	SHEEP CREEK AT SPRINGDALE, WASH.	480328	1174504	053	065	SW	48.20	124	1969	1971	Q				USGS	
17020003	DEER CREEK NEAR VALLEY, WASH.	480706	1174752	053	065	SW	36.00	024	1969	1971	M				USGS	

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17020003	CHEWELAH CREEK AT CHEWELAH, WASH.	481700	1174250	053	065	SW	94.10	024	1968	1968	M				USGS	
17020003	LITTLE PEND OREILLE RIVER NEAR COLVILLE, WAS	482758	1174453	053	065	SW	132.00	004	1969	1971	Q				USGS	
17020003	HALLER C NR ARDEN WASH	482802	1175424	053	065	SW	37.00	024	1969	1970	M				USGS	
17020003	MILL CREEK NEAR COLVILLE, WASH.	483444	1175156	053	065	SW	83.00	024	1969	1975	M				USGS	
17020004	SANPOIL R AB THIRTEENMILE CR NR REPUBLIC WA.	482837	1184341	053	019	SW	265.00	024	1968	1973	Q			Q	USGS	D
17020004	THIRTEENMILE CREEK NR. REPUBLIC	482838	1184341	053	019	SW			1972	1973	N			N	USGS	D
17020004	LOST CREEK NR. DISAUTEL	482826	1190149	053	047	SW			1972	1973	Q			Q	USGS	D
17020004	GOLD CREEK NR. REPUBLIC	482718	1184756	053	019	SW			1972	1973	N			N	USGS	D
17020004	W F SANPOIL RIVER NR REPUBLIC, WASH	482733	1184457	053	019	SW	308.00	004	1968	1973	Q			Q	USGS	D
17020004	SEVENTEENMILE CREEK NR. REPUBLIC	482619	1184411	053	019	SW			1972	1975	E			E	USGS	D
17020004	NINETEENMILE CREEK NR. REPUBLIC	482455	1184412	053	019	SW			1972	1973	N			N	USGS	D
17020004	NORTH NANAMKIN CREEK NR. KELLER	481839	1184414	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	THIRTYMILE CREEK NR. KELLER	481540	1184053	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	BRIDGE CREEK AT MOUTH NR. KELLER	481325	1184119	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	CACHE CREEK NR. KELLER	481019	1184221	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	IRON CREEK NR. KELLER	480812	1184113	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	SANPOIL R NR KELLER,WASH	480628	1184151	053	019	SW	890.00	024	1967	1973	A			A	USGS	D
17020004	BRUSH CREEK NR. KELLER	480620	1184209	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	SANPOIL R ABV JACK CR AT KELLER, WASH	480504	1184125	053	019	SW		004	1960		E			E	USGS	D
17020004	JACK CREEK AT KELLER	480454	1184118	053	019	SW	8.17	004	1972	1973	Q			Q	USGS	D
17020004	COPPER CREEK NR. KELLER	480416	1183955	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	MEADOW CREEK NR. KELLER	480355	1184022	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	SILVER CREEK NR. KELLER	480301	1183919	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	JOHN TOM CREEK NR. KELLER	480147	1183924	053	019	SW			1972	1973	Q			Q	USGS	D
17020004	DICK CREEK NR. KELLER	480033	1184012	053	019	SW			1972	1973	N			N	USGS	D
17020004	MANILA CREEK NR. KELLER	480026	1184149	053	019	SW			1972	1973	Q			Q	USGS	D
17020005	PETER DAN CREEK AT ELMER CITY	480042	1185655	053	047	SW			1972	1973	Q			Q	USGS	D
17020005	MILL CREEK NR. NESPELEM	481328	1190004	053	047	SW			1972	1973	N			N	USGS	D
17020005	MILL CREEK NR. NESPELEM	481234	1185905	053	047	SW			1972	1973	E			E	USGS	D
17020005	NESPELEM CANAL NR. NESPELEM	481047	1185844	053	047	SW		124	1972	1973	Q			Q	USGS	D
17020005	NESPELEM RIVER AT NESPELEM, WASH.	481035	1185852	053	047	SW	122.00	024	1972	1973	Q			Q	USGS	D
17020005	NESPELEM R BLW MILLPOND AT NESPELEM, WASH	480955	1185846	053	047	SW	123.00	024	1972	1973	Q			Q	USGS	D
17020005	LITTLE NESPELEM RIVER NR. NESPELEM	480723	1185839	053	047	SW			1972	1973	Q			Q	USGS	D
17020005	NESPELEM RIVER AT MOUTH NR. NESPELEM	480738	1190132	053	047	SW			1972	1973	Q			Q	USGS	D

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17020005	COYOTE CREEK NR. NESPELEM	480848	1190634	053	047	SW			1972	1973	N			N	USGS	D
17020006	OKANOGAN R USGS STA NR TONASKET	483800	1192745	053	047	SW			1976		B				USBR	C
17020006	OKANOGAN R CNTY RD BR ELLIS FORD	484745	1192415	053	047	SW			1976		B				USBR	C
17020006	TONASKET CREEK AT OROVILLE, WASH.	485635	1192445	053	047	SW	60.10	024	1969	1971	M				USGS	
17020006	OKANOGAN R AT OROVILLE	485551	1192509	053	047	SW	3195.00	123	1958	1975	M				USGS	C
17020006	OKANOGAN R AT OROVILLE	485555	1192505	053	047	SW			1959	1970	M	M	M		USGS	
17020006	BONAPARTE CREEK NEAR WAUCONDA, WASH.	483926	1191202	053	047	SW	96.60	124	1970	1971	M				USGS	
17020006	OKANOGAN RIVER NEAR TONASKET, WASH.	483757	1192738	053	047	SW	7260.00	123	1969	1971	M				USGS	
17020006	WANNACOTT CREEK NR. OMAK	482552	1192742	053	047	SW			1972	1973	R			R	USGS	D
17020006	OMAK CREEK NEAR OMAK, WASH.	482202	1192638	053	047	SW	119.00	024	1972	1973	Q			Q	USGS	D
17020006	KARTAR CREEK NR. OMAK	481452	1191945	053	047	SW			1972	1973	Q			Q	USGS	D
17020006	NO NAME CREEK NR. OMAK	481940	1192602	053	047	SW			1972	1973	R			R	USGS	D
17020006	NO NAME CREEK AT MOUTH NR. OMAK	481922	1192546	053	047	SW			1972	1973	R			R	USGS	D
17020006	OMAK CREEK AT OMAK	482412	1193007	053	047	SW			1972	1973	Q			Q	USGS	D
17020006	OKANOGAN R AT MALOTT, WASH	481650	1194211	053	047	SW	8080.00	123	1966		M				USGS	D
17020007	TOATS COULEE CREEK NEAR LOOMIS, WASH.	485001	1194132	053	047	SW	130.00	004	1969	1971	M				USGS	
17020007	SIMILKAMEEN RIVER NR NIGHTHAWK WASH	485905	1193702	053	047	SW	3550.00	124	1960	1970	M				USGS	D
17020008	ANDREWS CREEK NEAR MAZAMA, WASH.	484928	1200850	053	047	SW	22.10	004	1972		E			E	USGS	D
17020008	BEAVER CREEK BELOW SOUTH FORK, NEAR TWISP, W	482544	1200112	053	047	SW	62.00	004	1969	1971	M				USGS	
17020008	METHOW RIVER NR PATEROS, WASH.	480439	1195902	053	047	SW	1772.00	024	1967	1975	M				USGS	C
17020009	STEHEKIN RIVER AT STEHEKIN, WASH.	481930	1204120	053	007	SW	344.00	004	1969	1971	M				USGS	
17020010	LOWER CRAB C AT SEC 3J15N23E	464855	1195524	053	025	SW			1966		B				USBR	D
17020010	RB4C AT SEC 28 17N 23E	465548	1195633	053	025	OT			1967		B				USBR	D
17020010	QD WASTEWAY AT WEST CANAL	471254	1195302	053	025	OT			1974		B				USBR	C
17020010	W35.9 B WASTEWAY AT END	470900	1195345	053	025	OT			1974		B				USBR	C
17020010	D72-141 DRAIN AT WHITE TRAILS ROAD	471307	1194937	053	025	DR			1975		B				USBR	C
17020010	ENTIAT RIVER NEAR ARDENVOIR, WA.	474830	1202450	053	007	SW	203.00	124	1967	1972	M				USGS	D
17020011	WHITE RIVER NEAR PLAIN, WASH.	475227	1205209	053	007	SW	150.00	004	1969	1975	M				USGS	
17020011	WENATCHEE RIVER AT PLAIN, WASH	474538	1203942	053	007	SW	591.00	124	1969	1971	M				USGS	
17020011	ICICLE CREEK ABOVE SNOW CREEK, NEAR LEAVENWO	473228	1204308	053	007	SW	193.00	004	1969	1971	M				USGS	
17020011	WENATCHEE RIVER AT PESHASTIN, WASH.	473500	1203646	053	007	SW	1000.00	024	1969	1971	M				USGS	
17020011	MISSION CREEK ABOVE SAND CREEK NEAR CASHMERE	472548	1203020	053	007	SW	39.80	004	1973	1973	M				USGS	
17020011	WENATCHEE RIVER AT MONITOR, WASH.	472958	1202524	053	007	SW	1301.00	024	1970	1970	M				USGS	
17020012	ROCKY FORD CR AT RT 17	471540	1192707	053	025	SW			1964		B				USBR	D

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17020013	COAL CREEK AT MOHLER, WASH.	472423	1181854	053	043	SW	64.70		1969	1971	M				USGS	
17020013	CRAB CREEK AT IRBY, WASHINGTON	472138	1185056	053	043	SW	1042.00	024	1969	1971	M				USGS	
17020013	WILSON CREEK BE. CORBETT DRAW, NR. ALMIRA, W	473947	1185546	053	043	SW	327.00	024	1969	1971	M				USGS	
17020013	WILSON CREEK AT WILSON CREEK, WASH.	472550	1190610	053	025	SW	427.00	124	1970	1971	Q				USGS	
17020014	MAIN CA AT LONG LAKE DAM	472654	1191512	053	025	CN			1964		B				USBR	D
17020015	POTHOLES CANAL AT MILE 0.2	465850	1191525	053	025	CN			1956		B				USBR	D
17020015	LIND COULEE AT RT 17 CROSSING	470037	1190821	053	025	SW			1956		B				USBR	D
17020015	W645 DRAIN IN SEC 34 18N 25E	470003	1193330	053	025	DR			1958		B				USBR	D
17020015	EL63.8 W W AT END	465240	1191014	053	025	OT			1959		B				USBR	D
17020015	WINCHESTER W W AT 17/27-3D	470000	1192529	053	025	OT			1962		B				USBR	D
17020015	CRAB C LAT AT CRAB C W W	465237	1192102	053	001	CN			1963		B				USBR	D
17020015	W CA AT FRENCHMAN HILLS W W	465832	1193940	053	025	CN			1963		B				USBR	D
17020015	CRAB CR AT CO RD 7N BRIDGE	471120	1191600	053	025	SW			1967		B				USBR	D
17020015	FR HILLS W W AT SEC 9 17N/27E	465834	1192549	053	025	DR			1964		B				USBR	D
17020015	DW239B DRAIN AT W CA	470226	1195208	053	025	DR			1964		B				USBR	D
17020015	DPE 215 AT ROUTE 26	464851	1192115	053	001	DR			1972		B				USBR	C
17020015	LOWER CRAB C AT MC MANNAN ROAD	465345	1191810	053	001	SW			1972		B				USBR	C
17020015	RCD W W AT O SULLIVAN RD CROSSING	470017	1191306	053	025	OT			1956		B				USBR	D
17020015	DCC1 AT RED ROCK COULEE ROAD	465234	1193550	053	025	DR			1972		B				USBR	C
17020015	CCL WASTEWAY AT UNIT 88 BLOCK 88	465025	1192509	053	025	OT			1972	1974	B				USBR	C
17020015	EL 25 A W W AT PUMPING PLANT	471044	1191317	053	025	OT			1973		B				USBR	
17020015	W645 DRAIN AT COUNTY ROAD R NW	471205	1195230	053	025	DR			1974		B				USBR	C
17020015	PE16.4M12 WASTEWAY AB DPE215	464833	1192158	053	001	OT			1974		B				USBR	C
17020015	D46-179 DRAIN AT GILLIS ROAD	464836	1190350	053	001	DR			1975		B				USBR	C
17020015	CRAB CREEK NEAR MOSES LAKE, WASH.	471122	1191553	053	025	SW	2228.00	024	1969	1971	M				USGS	
17020015	ROCKY FORD CREEK NEAR EPHRATA, WASH	471836	1192639	053	025	SW	458.00	014	1969	1971	Q				USGS	
17020015	FARRIER COULEE NEAR SCHRAG, WASH.	470745	1185115	053	001	SW	42.00		1970	1970	A				USGS	
17020015	CRAB CR NR BEVERLY, WASH	464948	1194948	053	025	SW	4842.00	124	1958		M				USGS	D
17020016	SURFACE RUNOFF FROM BLOCK 1	461930	1191500	053	021	OT			1974		B				USBR	D
17020016	BELOW EL 85 M WW	464215	1185215	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE WEST OF CONNELL	463950	1185130	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW EL 85 Z WW	463950	1185130	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW D 18-97 DRAIN	463750	1185445	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE SR-17 OVERPASS	463505	1190005	053	021	OT			1975		B				USBR	D

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17020016	ESQ COULEE BELOW DPE 38 B DRAIN	463505	1190010	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW DPE 38 DRAIN	463500	1190010	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW PE 38 WW	463430	1190010	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW PE 38.9 E WW	463240	1190010	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW PE 38.9P2 WW	463000	1190110	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE ELTOPIA GAGING STATION	462730	1190045	053	021	OT			1976		B				USBR	D
17020016	ESQ COULEE BELOW ELTOPIA B CA WW	462730	1190045	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW EB 8 WW	462530	1190200	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW PE 38.9B5 WW	462445	1190245	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW PE 59 WW	462230	1190450	053	021	OT			1975		B				USBR	D
17020016	ESQ COULEE BELOW DIVERSION STR	462220	1190500	053	021	OT			1975		B				USBR	D
17020016	ESQ DIV CA BELOW EB 15 WW	462115	1190510	053	021	OT			1975		B				USBR	D
17020016	ESQ DIV CA BELOW PE 59.4 D WW	462045	1190620	053	021	OT			1975		B				USBR	D
17020016	ESQ DIV CA BELOW PE 59.4 WW	462005	1190640	053	021	OT			1976		B				USBR	D
17020016	ESQ DIV CA BELOW PE 59.4 K WW	462010	1191005	053	021	OT			1975		B				USBR	D
17020016	ESQ DIV CA BELOW PE 59.4 WW	462015	1191145	053	021	OT			1975		B				USBR	D
17020016	ESQ DIV CA BELOW PE 66 M WW	462100	1191300	053	021	OT			1975		B				USBR	D
17020016	ESQ DIV CA BL P P LAT CROSSING	462140	1191455	053	021	OT			1975		B				USBR	D
17020016	ABANDONED PE 47 J WW	462645	1191510	053	021	DT			1974		B				USBR	D
17020016	BLK 15 S OF ABANDONED RINGOLD WW	462910	1191530	053	021	OT			1974		B				USBR	D
17020016	ABANDONED PE 65 WW	462050	1191505	053	021	OT			1974		B				USBR	D
17020016	COYOTE DR - AMON WW NR KENNEWICK W	461400	1190600	053	005	DR			1968	1975	M	M			USBR	
17020016	ROZA CA AT MILE 44.2 NR GRANGER WA	462500	1200900	053	077	CN			1968		M	M			USBR	
17020016	CHANDLER CA MI 2.8 NR PROSSER WA	461300	1194400	053	005	CN			1970		M	M			USBR	
17020016	SCOOTENEY W W AT SCOOTENEY RE	464320	1190135	053	021	OT			1956		B				USBR	D
17020016	POTHOLES E CA AT MILE 26.6	464324	1190208	053	021	CN			1956		B				USBR	D
17020016	POTHOLES E CA AT MILE 38.0	463526	1190259	053	021	CN			1956		B				USBR	D
17020016	POTHOLES E CA AT MILE 65.8	462317	1191426	053	021	CN			1956		B				USBR	D
17020016	PE 16.4 W W AT OUTLET COL R	463020	1191533	053	021	OT			1964		B				USBR	D
17020016	WB5 LAT AT HEAD	464020	1190940	053	021	CN			1964		B				USBR	D
17020016	WB5G LAT AT WB5G W W	463131	1191459	053	021	CN			1964		B				USBR	D
17020016	ELTOPIA B CA AT E B W W	462707	1190141	053	021	CN			1964		B				USBR	D
17020016	ESQUATZEL DIV CHANNEL AT END	462131	1191524	053	021	OT			1964		B				USBR	D
17020016	EL68D WW AT RT 17	464348	1190256	053	021	OT			1964		B				USBR	D

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17020016	WB5 WW 1 AT COLUMBIA RIVER	463212	1191648	053	021	OT			1974		B				USBR	C
17020016	ESQUATZEL CHANNEL AT SHEFFIELD RD	463435	1190030	053	021	SW			1974		B				USBR	C
17020016	D15-146 DRAIN AT BELLEVUE DRIVE	462604	1191028	053	021	DR			1975		B				USBR	C
17020016	PE16.4 WW AT ADAMS COUNTY LINE	464420	1191100	053	001	OT			1975		B				USBR	C
17020016	COLUMBIA R AT VERNITA BR NR PRIEST RAPIDS DA	463824	1194354	053	025	SW	96000.00	124	1973		Q	N		K	USGS	D
17020016	COLUMBIA RIVER AT RICHLAND WASH	461846	1191528	053	005	SW	96900.00		1973		R				USGS	D
17020016	PROVIDENCE COULEE AT CUNNINGHAM, WASH.	464920	1184836	053	001	SW	27.80	004	1969	1970	Q				USGS	
17020016	ESQUATZEL COULEE AT CONNEL,WASH	463931	1185203	053	021	SW	234.00	004	1969	1971	A				USGS	
17020016	ESQUATZEL COULEE AT ELTOPIA, WASH.	462745	1190040	053	021	SW	551.00	014	1970	1971	A				USGS	
17020016	FY76 REESTABLISH OWDC 54202	461340	1190803	053	021	SW			1977		M	M	M		USGS	P
17030001	YAKIMA R AT HARRISON RD BRIDGE	464041	1202929	053	077	SW			1974		M				USBR	C
17030001	YAKIMA R AT TERRACE HGTS. BRIDGE	463622	1202825	053	077	SW			1974		M				USBR	C
17030001	YAKIMA R AT CLE ELUM	471133	1205656	053	037	SW			1974		M				USBR	C
17030001	WILSON C AT SANDERS RD	470133	1203058	053	037	SW			1974		M				USBR	C
17030001	WILSON C AT DAMMON RD	465843	1203302	053	037	SW			1974		M				USBR	C
17030001	WIPPLE WW AT THRALL RD	465538	1202947	053	037	SW			1974		M				USBR	C
17030001	WILSON C AT THRALL RD	465536	1203002	053	037	SW			1974		M				USBR	C
17030001	YAKIMA R AT ELLENSBURG	465537	1203135	053	037	SW			1974		M				USBR	C
17030001	YAKIMA R AT UMTANUM	465122	1202858	053	037	SW			1974		M				USBR	C
17030001	COLEMAN C NW 1/4 SEC 20 17N 19E	465710	1202920	053	037	SW			1971		B				USBR	
17030001	KITTITAS CA SE1/4 SEC6 18N 19E	470440	1203000	053	037	CN			1971	1973	B				USBR	
17030001	YAKIMA RIVER NEAR MARTIN, WASH.	471917	1212006	053	037	SW	54.70	014	1969	1971	A				USGS	
17030001	KACHESS RIVER NEAR EASTON, WASH.	471541	1211208	053	037	SW	63.60	014	1969	1971	A				USGS	
17030001	CLE ELUM RIVER NEAR ROSYLN, WASH.	471441	1210400	053	037	SW	203.00	014	1969	1971	A				USGS	
17030001	YAKIMA RIVER AT CLE ELUM, WASH.	471135	1205655	053	037	SW	495.00	124	1910	1975	M				USGS	D
17030001	TEANAWAY RIVER BELOW FORKS, NR. CLE ELUM, WA	471448	1205136	053	037	SW	172.00		1969	1971	M				USGS	
17030001	NANEUM CREEK NEAR ELLENSBURG, WASH.	470737	1202847	053	037	SW	69.50	024	1969	1971	M				USGS	
17030001	WILSON C AT THRALL WA	465504	1203025	053	037	SW	382.00		1965		M				USGS	D
17030001	WILSON CREEK AT THRALL, WASH.	465504	1203025	053	037	SW	382.00	004	1965	1975	M				USGS	
17030001	YAKIMA R AT UMTANUM WASHINGTON	465146	1202844	053	037	SW	1594.00	124	1969	1971	M				USGS	
17030001	FANHOUSE NO. 3 NR ROSLYN, WASH	471320	1210140	053	037	SW			1976	1976	A				USGS	D
17030002	NACHES R AT NELSON BRIDGE	463755	1203511	053	077	SW			1974		M				USBR	C
17030002	WIDE HOLLOW C NR GROMORE	463522	1204205	053	077	SW			1974		M				USBR	C
17030002	DEEP CR NR GOOSE PRAIRIE WASH.	464730	1211930	053	077	SW	12.70	004	1969	1969	A				USGS	

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17030002	BUMPING RIVER NEAR NILE, WASH.	465222	1211729	053	077	SW	70.70	014	1969	1975	A				USGS	
17030002	AMERICAN R NR NILE WASH	465839	1211005	053	077	SW	78.90	004	1962	1975	M				USGS	D
17030002	HAUSE CREEK NEAR RIMROCK, WASH.	464033	1210449	053	077	SW	3.91	004	1969	1969	A				USGS	
17030002	TIETON RIVER AT CANAL HEADWORKS NR NACHES, W	464016	1210010	053	077	SW	239.00	124	1969	1971	A				USGS	
17030002	NACHES RIVER BELOW TIETON RIVER, NEAR NACHES	464444	1204605	053	077	SW	941.00	124	1969	1971	M				USGS	
17030003	DID 25 NR GRANGER WA	462000	1201100	053	077	DR			1968	1973	M	M			USBR	
17030003	KENNEWICK CA HDWKS NR CHANDLER WA	461600	1193500	053	005	CN			1968	1973	M	M			USBR	P
17030003	MARION DR AT HWY 22 NR TOPPENISH W	461900	1201400	053	007	DR			1968		M	M			USBR	
17030003	MARION DR AT ROB RD NR TOPPENISH W	461900	1202100	053	077	DR			1968	1971	M	M			USBR	
17030003	MARION DR AT LAT C NR TOPPENISH WA	462100	1203100	053	077	DR			1968	1971	M	M			USBR	
17030003	NEW RESER CA-DROP 3-NR WAPATO WA	462500	1203400	053	077	CN			1968	1973	M	M			USBR	
17030003	NEW RESER CA - HDWKS NR WAPATO WA	463126	1202834	053	077	CN			1968	1973	M	M			USBR	P
17030003	CHANDLER CA MI 0.6 NR PROSSER WA	461300	1194600	053	005	CN			1970		M	M			USBR	
17030003	DID 2 NR GRANGER WA	462100	1200800	053	077	DR			1968	1973	M	M			USBR	
17030003	DID 2 NR GRANGER WA	462100	1200800	053	077	DR			1968	1973	M	M			USBR	
17030003	DRAIN 27.2 NR GRANGER WA	462300	1200800	053	077	DR			1968	1973	M	M			USBR	
17030003	DRAIN 26.6 NR GRANGER WA	462300	1200800	053	077	DR			1968	1973	M	M			USBR	
17030003	SUNNYSIDE CA MI 24.7 NR GRANGER WA	461300	1200900	053	077	CN			1968		M	M			USBR	
17030003	DRAIN AT BIRCHFIELD RD	463247	1202614	053	077	SW			1974		M				USBR	C
17030003	WIDE HOLLOW C AT W WASHINGTON AV	463416	1203156	053	077	SW			1974		M				USBR	C
17030003	WIDE HOLLOW C AT UNION GAP STP	463234	1202828	053	077	SW			1974		M				USBR	C
17030003	AHTANUM C AT MOUTH	463207	1202818	053	077	SW			1974		M				USBR	C
17030003	SULPHUR C AT NORTH AV SUNNYSIDE	461956	1195845	053	077	SW			1974		M				USBR	C
17030003	SULPHUR C WW AT FACTORY RD SUNYS	461903	1195851	053	077	SW			1974		M				USBR	C
17030003	DRAIN DID #3 AT S HILL RD	461835	1200108	053	077	SW			1974		M				USBR	C
17030003	DRAIN DID #3 AT DUFFY RD	461657	1200031	053	077	SW			1974		M				USBR	C
17030003	SULPHUR C WW AT DUFFY RD	461647	1195959	053	077	SW			1974		M				USBR	C
17030003	SULPHUR C WW AT MORSE RD	461557	1210104	053	077	SW			1974		M				USBR	C
17030003	SULPHUR C WW AT MCGEE RD	461439	1210109	053	077	SW			1974		M				USBR	C
17030003	GRIFFIN LAKE INLET	461450	1200235	053	077	SW			1974		M				USBR	C
17030003	GRIFFIN LAKE OUTLET	461435	1200205	053	077	SW			1974		M				USBR	C
17030003	YAKIMA R AT BRIDGE NR GRANGER	462006	1201147	053	077	SW			1974		M				USBR	C
17030003	YAKIMA R AT BRIDGE NR MABTON	461354	1195954	053	077	SW			1971		M				USBR	C
17030003	E TOPPENISH DR AT WILSON RD	462204	1201500	053	077	SW			1974		M				USBR	C

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17030003	SUB-DRAIN 35 AT PARTON RD	462011	1201348	053	077	SW			1974		M				USBR	C
17030003	MARION DR AT HWY 97	461927	1201910	053	077	SW			1974		M				USBR	C
17030003	WANITY SLOUGH AT MYERS RD	462003	1201734	053	077	SW			1974		M				USBR	C
17030003	SOUTH DR AT HWY 22 NR SATUS	461534	1200757	053	077	SW			1974		M				USBR	C
17030003	GRANGER D AT HWY 223 AB GRANGER	462036	1201103	053	077	SW			1974		M				USBR	C
17030003	SPRING C AT HESS RD	461432	1194048	053	005	SW			1974		M				USBR	C
17030003	SNIPES C. AT OLD INLAND EMPIRE R	461403	1194102	053	005	SW			1974		M				USBR	C
17030003	DR DID#3 15'AB RENDRNG PLNT OTLT	461730	1200100	053	077	SW			1975		M				USBR	C
17030003	NEQUIST D NW 1/4 SEC 25 9N 21 E	461430	1200820	053	077	DR			1971	1974	B				USBR	
17030003	SATUS D 302 NW 1/4 SEC 34 9N 22E	461330	1200340	053	077	DR			1971		B				USBR	
17030003	NF AHTANUM CR. AT TAMPICO	463155	1205206	053	077	SW			1973	1974	A				USEPA	D
17030003	S.F. ANTANUM CR. AT TAMPICO	463137	1205220	053	077	SW			1973	1974	A				USEPA	D
17030003	AHTANUM CR @GOODMAN RD EUNIONGAP	463255	1203003	053	077	SW			1973	1974	E				USEPA	D
17030003	TOPPENISH CR NR FORT SIMCOE	461840	1204713	053	077	SW			1973	1974	A				USEPA	D
17030003	NF SIMCOE CR NR FORT SIMCOE	462723	1205207	053	077	SW			1973	1974	A				USEPA	D
17030003	SF SIMCOE CRK NR FT SIMCOE	462641	1205306	053	077	SW			1973	1974	A				USEPA	D
17030003	DRY CREEK NR TOPPENISH	461512	1202435	053	077	SW			1973	1974	E				USEPA	D
17030003	ROZA CANAL AT SCOON RD NR SUNNYSIDE WASH	462325	1200107	053	077	SW			1976	1976	X			X	USGS	D
17030003	ROZA CANAL BLW SULPHUR CR WSTWY NR SUNNYSIDE	462220	1195727	053	077	SW		024	1976		W			W	USGS	D
17030003	ROZA CANAL AT BLK CANYON CR NR SUNNYSIDE WAS	462049	1195353	053	077	SW			1976	1976	X			X	USGS	D
17030003	ROZA CANAL AT FACTORY RD NR SUNNYSIDE WASH	461902	1195328	053	077	SW			1976	1976	X			X	USGS	D
17030003	ROZA CANAL AT WILGUS RD NR GRANDVIEW WASH	461722	1194948	053	077	SW			1976	1976	X			X	USGS	D
17030003	YAKIMA R ABV AHTANUM CR AT UNION GAP WASH	463204	1202758	053	077	SW	3479.00	124	1969		M				USGS	
17030003	NORTH FORK AHTANUM CREEK NEAR TAMPICO, WASH.	463340	1205510	053	077	SW	68.90	004	1969	1971	M				USGS	
17030003	N.F. AHTANUM CR AT TAMPICO	463155	1205206	053	077	SW			1973	1974	A				USGS	D
17030003	SOUTH FORK AHTANUM CREEK AT CONRAD RANCH, NE	463033	1205436	053	077	SW	24.80	024	1969	1971	M				USGS	
17030003	S.F. AHTANUM CR AT TAMPICO	463137	1205220	053	077	SW			1973	1974	A				USGS	D
17030003	AHTANUM CR AT GOODMAN RD AT UNION GAP	463255	1203003	053	077	SW			1973	1974	E				USGS	D
17030003	AHTANUM CREEK AT UNION GAP, WASH.	463210	1202820	053	077	SW	173.00	023	1969	1971	M				USGS	
17030003	YAKIMA R AT PARKER	463022	1202707	053	077	SW	3650.00	023	1959		M				USGS	D
17030003	SUNNYSIDE CANAL AT MAPLE GROVE RD NR SUNNYSI	462127	1200222	053	077	SW			1976	1976	X			X	USGS	D
17030003	SUNNYSIDE CANAL BLW SULPHUR CR WSTWY NR SUNN	462048	1195820	053	077	SW		024	1976		W			W	USGS	D
17030003	SUNNYSIDE CANAL AT EDISON RD NR SUNNYSIDE WA	461926	1195614	053	077	SW			1976	1976	X			X	USGS	D
17030003	SUNNYSIDE CANAL AT BETHNAY RD NR GRANDVIEW,	461745	1195529	053	077	SW			1976	1976	X			X	USGS	D

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17030003	SUNNYSIDE CANAL AT GRANDVIEW WASH	461532	1195325	053	077	SW			1976	1976	X			X	USGS	D
17030003	TOPPENISH CREEK NEAR FT. SIMCOE, WASH.	461840	1204713	053	077	SW	122.00	024	1973	1974	A				USGS	D
17030003	N.F. SIMCOE CR NR FORT SIMCOE	462723	1205207	053	077	SW			1973	1974	A				USGS	D
17030003	SF SIMCOE CR NR FT SIMCOE,WASH	462641	1205306	053	077	SW			1973	1974	A				USGS	D
17030003	TOPPENISH CR NR SATUS,WASH	461839	1201120	053	077	SW	625.00	004	1973	1975	M				USGS	D
17030003	DRY CR NR TOPPENSIH	461512	1202435	053	077	SW			1973	1974	E				USGS	D
17030003	DID 18 DRAIN AT SUNNYSIDE WASH	461929	1195838	053	077	SW		024	1976		O	E		O	USGS	D
17030003	BLACK CANYON CR AT WANETA RD NR SUNNYSIDE,WA	461724	1195837	053	077	SW		024	1976		O	E		O	USGS	D
17030003	DID 9 DRAIN NR SUNNYSIDE WASH	461700	1195953	053	077	SW		024	1976		O			O	USGS	D
17030003	DID 3 DRAIN NR SUNNYSIDE WASH	461658	1200030	053	077	SW		024	1976		O			O	USGS	D
17030003	SULPHUR CR WASTEWAY NR SUNNYSIDE WASH	461503	1200107	053	077	SW		024	1976		O	E		O	USGS	D
17030003	YAKIMA RIVER AT MABTON, WASH.	461353	1195954	053	077	SW	5359.00	123	1970	1976	N			N	USGS	D
17030003	YAKIMA RIVER AT KIONA, WASH	461513	1192837	053	005	SW	5615.00	123	1951		O	H		O	USGS	D
17040103	CACHE CREEK NEAR JACKSON, WYO.	432708	1104212	056	039	SW	10.60	004	1965		Q	E		Q	USGS	D
17040103	SNAKE RIVER AB RESERVOIR NR ALPINE WY	431147	1105318	056	023	SW	3465.00	124	1964		M	H		M	USGS	D
17040103	GREYS RIVER AB RESERVOIR NR ALPINE WY	430835	1105834	056	023	SW	448.00	004	1965		A	A			USGS	D
17040104	SNAKE R NR HEISE ID	433645	1113905	016	019	SW			1964	1972	B				USBR	
17040104	SNAKE RIVER NR HEISE, IDAHO	433645	1113933	016	019	SW	5752.00	124	1900		A			A	USGS	D
17040105	MILL CR....100YD ABV.FOREST BNDY	424818	1111835	016	029	SW	2.00		1974		K				USFS	D
17040105	SWIFT CREEK NEAR AFTON, WYO.	424330	1105400	056	023	SW	27.40	014	1965	1971	A			A	USGS	D
17040105	SALT R NR AUBURN WYO	425028	1105900	056	023	SW			1971	1971	A			A	USGS	D
17040201	SPOIL BANKS DRAIN AT EAGLE, IDAHO	434138	1122112	016	001	SW			1971	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 1N-38E-7ACC1	432556	1120159	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 1N-38E-7BDD1	432556	1120200	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 1N-38E-7BCD1	432556	1120219	016	019	SW			1972	1972	A			A	USGS	D
17040201	GERMAN CANAL 1N-38E-7BBB1	432621	1120234	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 1N-37E-4CCC1	432626	1120719	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 1N-37E-5DCB1	432631	1120755	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 1N-38E-6ACB1	432656	1120158	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-38E-32DDC1	432713	1120025	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-38E-31ABC1	432753	1120157	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-33BCB1	432753	1120720	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-27DDC1	432808	1120512	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-26CDB1	432814	1120438	016	019	SW			1972	1972	A			A	USGS	D

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17040201	DRAIN WELL INFLOW 2N-38E-30ADC1	432833	1120132	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-38E-28ACC1	432834	1115935	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-27BCC1	432836	1120607	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-26BBD1	432846	1120440	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-27BAB1	432853	1120549	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-27BBA1	432854	1120550	016	019	SW			1972	1972	A			A	USGS	D
17040201	DIVERSION DITCH 2N-37E-27BBA2	432856	1120557	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-30BBB1	432856	1120943	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N 38E 20DCC1	432858	1120043	016	019	SW			1973	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-38E-20DAD1	432614	1120016	016	019	SW			1973	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-24CBB1	432922	1120344	016	019	SW			1973	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-38E-19ACC1	432923	1120150	016	019	SW			1973	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-21ACC1	432923	1120641	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N 38E 20ADA1	432934	1120019	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N 38E 20BAA1	432943	1120056	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-14CDC1	432948	1120430	016	019	SW			1972	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-14CDC2	432948	1120434	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-15DCD1	432948	1120520	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-14DDD1	432953	1120349	016	019	SW			1972	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-15DCA1	432959	1120517	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-38E-17CBC1	433002	1120114	016	019	SW			1973	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N 37E 13CBC1	433003	1120340	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-15DAB1	433013	1120513	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-14BCC1	433015	1120454	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N 37E 15ADC1	433015	1120513	016	019	SW			1972	1973	A			E	USGS	D
17040201	DRAIN WELL INFLOW 2N-39E-7CDC1	433041	1115508	016	019	SW			1973	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-38E-18BAB1	433041	1120212	016	019	SW			1972	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-10BDA1	433114	1120533	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-11BAD1	433120	1120426	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-11ABC1	433121	1120420	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-11ABA1	433130	1120407	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-2CDD1	433133	1120421	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-2DCD1	433134	1120408	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-2DCB1	433145	1120415	016	019	SW			1972	1972	A				USGS	D

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17040201	DRAIN WELL INFLOW 2N-37E-2CDA1	433145	1120425	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 2N-37E-2BDC1	433158	1120432	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 3N-38E-29BBC1	433354	1120123	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 3N-38E-20BCC1	433432	1120123	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 3N-38E-18DAB1	433518	1120140	016	019	SW			1972	1972	A				USGS	D
17040201	GREAT WESTERN CANAL 3N-37E-13BCA1	433535	1120334	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 3N-38E-7DCC1	433550	1120156	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 3N-38E-10CBB1	433613	1115858	016	019	SW			1972	1972	A				USGS	D
17040201	DRAIN WELL INFLOW 3N-37E-11ADC1	433617	1120400	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 3N-38E-4DCC1	433643	1115934	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 3N-37E-2DDD1	433646	1120347	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 3N-38E-3DBC1	433701	1115822	016	019	SW			1972	1972	A			A	USGS	D
17040201	DRAIN WELL INFLOW 3N-37E-6DAD1	433702	1120832	016	019	SW			1973	1973	A				USGS	D
17040201	DRAIN WELL INFLOW 3N 37E 02DBA1	433704	1120406	016	019	SW			1972	1973	A			A	USGS	D
17040201	DRAIN WELL INFLOW 6N-36E-35DAD1	434806	1121037	016	051	SW			1973	1973	A			A	USGS	D
17040202	HENRYS F BLW ISLAND PARK RE ID	442511	1112352	016	043	SW			1977		Y		Y		USFS	P
17040202	THIRTY CR AT BIG SPR NR MACKS INN ID	443013	1111554	016	043	SW			1974		E			E	USGS	D
17040202	MOOSE CREEK NEAR BIG SPRINGS	442906	1111707	016	043	SW			1965		E			E	USGS	D
17040203	HENRYS FORK AT ST ANTHONY ID	435800	1114020	016	043	SW			1960	1973	B				USBR	
17040203	NF SQUIRREL C NR SQUIRREL ID	440300	1110110	056	039	SW			1964	1967	B				USBR	
17040203	N FK TETON R AT AUX BR SITE ID	435339	1114150	016	043	SW			1977	1978	W			W	USGS	D
17040204	BITCH CR 1/4 MI US HWY 32 X-ING	435620	1111025	016	081	SW			1971		M				USBR	C
17040204	SF TETON R SH 33 X-ING	434930	1111400	016	081	SW			1971		M				USBR	C
17040204	CANYON C 1000 FT US SH 33 X-ING	435045	1112645	016	065	SW			1971		M				USBR	C
17040204	TETON R 1 MI BELOW DAMSITE	435400	1113330	016	043	SW			1971		M				USBR	C
17040204	TETON R NR DRIGGS ID	434654	1111230	016	081	SW			1963	1972	B				USBR	
17040204	TETON R NR ST ANTHONY ID	435540	1113655	016	043	SW			1960	1972	B				USBR	
17040204	TETON RIVER AB LEIGH CREEK NR DRIGGS ID	434654	1111230	016	081	SW	335.00	004	1972		R			E	USGS	D
17040204	TETON R NR ST ANTHONY IDAHO	435538	1113655	016	043	SW	890.00	024	1963		E			E	USGS	D
17040204	NORTH FK TETON R AT TETON, ID	435353	1114038	016	043	SW			1977		O			O	USGS	D
17040204	N FK TETON R AT POWERLINE RD ID	435306	1114301	016	065	SW			1977	1978	W			W	USGS	D
17040204	N FK TETON R AT SUGAR DETOUR BR ID	435313	1114525	016	065	SW			1977	1978	W			W	USGS	D
17040204	N FK TETON R AT SALEM HWY BR ID	435257	1114637	016	065	SW			1977	1978	W			W	USGS	D
17040204	N FK TETON R AT LAST BR ID	435310	1114901	016	065	SW			1977	1978	W			W	USGS	D

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17040205	WILLOW C 9M SE OF IONA AT OLD BRDG	432700	1114700	016	019	SW			1974	1976	M				USBR	C
17040205	WILLCREEK BL RIRIE DAM OUTLET	433456	1114435	016	019	SW			1974		M				USBR	C
17040205	WILLOW CR AB RIRIE LAKE NR OZONE IDA	432430	1114707	016	019	SW			1973	1974	K			K	USGS	D
17040205	WILLOW CREEK NR RIRIE, IDAHO	433535	1114607	016	019	SW	627.00	024	1967		R			K	USGS	D
17040206	PORTNEUF R AT POCATELLO ID	425140	1122725	016	005	SW			1965	1972	B				USBR	
17040206	SNAKE R NR BLACKFOOT ID	430731	1123106	016	011	SW			1964	1972	B				USBR	
17040206	SNAKE R NR SHELLEY ID	432450	1120805	016	011	SW			1964	1972	B				USBR	
17040206	SNAKE RIVER NEAR SHELLEY IDAHO	432450	1120805	016	011	SW	9790.00	124	1970		A			A	USGS	D
17040206	SNAKE RIVER NEAR BLACKFOOT IDAHO	430731	1123106	016	011	SW	11310.00	124	1965		A			A	USGS	D
17040206	DRAIN WELL INFLOW 1N-37E-5CCD1	432624	1120815	016	019	SW			1972	1972	A				USGS	D
17040206	DRAIN WELL INFLOW 1N-37E-6CBC1	432642	1120943	016	019	SW			1973	1973	A				USGS	D
17040207	STEWART CR ABV. CONF.W/DIAMONDCR	424128	1111157	016	029	SW	3.00		1974		G				USFS	D
17040207	DIAMOND CR ABV CONF W/STEWART CR	424130	1111159	016	029	SW	10.00		1974		G				USFS	D
17040207	ANGUS CR 1/2 MI ABV NF BY	425114	1112345	016	029	SW	4.00		1974		K				USFS	D
17040207	SHEEP CR. FTBRDG 1.5MI ABV NF BY	425147	1112045	016	029	SW	9.00		1974		K				USFS	D
17040207	ANGUS CREEK NEAR HEADWATERS	425100	1112446	016	029	SW	1.00		1974		K				USFS	D
17040207	MABIE CR AT FOREST BOUNDARY	424445	1111831	016	029	SW			1974	1975	N				USFS	D
17040207	BLACKFOOT R BELOW NF BNDY	424737	1112202	016	029	SW	152.00		1974		K				USFS	D
17040207	KENDALL CR AT NF BOUNDARY	424722	1111630	016	029	SW			1974	1975	Q				USFS	D
17040207	1/4 MILE ABOVE FOREST BDRY	424437	1111755	016	029	SW			1975		K				USFS	D
17040207	100 YARDS ABOVE FOREST BDRY.	424439	1111814	016	029	SW			1975	1975	A				USFS	D
17040207	250 YARDS BELOW FOREST BDRY.	424443	1111828	016	029	SW			1975	1975	A				USFS	D
17040207	BLACKFOOT RIVER NEAR BLACKFOOT, IDAHO	430750	1122835	016	011	SW	1295.00	124	1965		A			A	USGS	D
17040208	PORTNEUF RIVER AT POCATELLO, IDAHO	425220	1122805	016	005	SW	1250.00	124	1965		E			E	USGS	D
17040208	PORTNEUF R NR TYHEE IDAHO	425642	1123238	016	005	SW			1970	1972	R			R	USGS	D
17040209	MILNER LAKE E OF PP ON S SIDE	423130	1135949	016	031	SW			1975	1979	M				USBR	C
17040209	WALCOTT LAKE, 3 MILES FROM DAM	424025	1133345	016	067	SW			1976	1979	B				USBR	C
17040209	SNAKE R AT NEELEY ID	424620	1125245	016	077	SW			1964	1968	B				USBR	
17040209	SNAKE RIVER AT NEELEY IDAHO	424620	1125245	016	077	SW			1975		E			E	USGS	D
17040209	ROCK CR NR ROCKLAND ID	423140	1125140	016	077	SW	182.00	024	1975	1975	A				USGS	D
17040209	SNAKE R AT HWY 30 BRIDGE NR HEYBURN ID	423243	1134540	016	031	SW			1977		A				USGS	D
17040209	SNAKE R AT BURLEY ID	423330	1134730	016	031	SW			1971		A				USGS	D
17040209	MAIN DRAIN AT MILNER LK NR BURLEY ID	423307	1135211	016	067	SW			1977		A			A	USGS	D
17040209	SNAKE R BEL MAIN DRAIN NR BURLEY ID	423259	1135242	016	031	SW			1977		A			A	USGS	D

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17040209	SNAKE R AB MILNER DAM NR MILNER ID	423137	1140015	016	053	SW			1977		A				USGS	D
17040209	F MAIN DRAIN AT CAMP HOLLEY LK NR R	424014	1134111	016	067	DR			1972	1974	Q				USGS	D
17040209	IRRIGATION DRAIN NR STARRHS FERRY	423223	1135350	016	031	SW			1977		A				USGS	D
17040209	10S 22E 18CCB1 CANAL	423303	1135550	016	031	SW			1972	1972	A			A	USGS	D
17040209	10S 21E 13ACB1 DRAIN WELL INFLOW	423328	1135620	016	053	SW			1972	1972	A			A	USGS	D
17040209	09S 22E 26BBA1 DRAIN WELL INFLOW FROM POND	423711	1135053	016	067	SW			1972	1973	A			A	USGS	D
17040209	09S 22E 11DDD1 K MAIN DRAIN AT WASTE WELL	423857	1134958	016	067	SW			1972	1972	A			A	USGS	D
17040209	09S 24E 06DDD1 DRAIN WELL INFLOW	423948	1134119	016	067	SW			1973	1973	A				USGS	D
17040209	09S 24E 06DDB1 DRAIN WELL INFLOW	423956	1134129	016	067	SW			1972	1973	A			A	USGS	D
17040209	09S 24E 06DAA3 DRAIN WELL INFLOW	424011	1134113	016	067	SW			1973	1973	A				USGS	D
17040209	09S 24E 05BCC TRIBUTARY TO F MAIN DRAIN	424013	1134111	016	067	SW			1972	1972	A				USGS	D
17040209	09S 24E 05BCC F MAIN DRAIN NR RUPERT, IDA	424013	1134112	016	067	SW			1972	1973	N			N	USGS	D
17040209	08S 23E 27CCA1 DRAIN WELL INFLOW	424140	1134535	016	067	SW			1972	1972	A				USGS	D
17040209	08S 25E 29BDD1 DRAIN WELL INFLOW FROM POND	424201	1133341	016	067	SW			1972	1973	A				USGS	D
17040209	08S 25E 20BDB1 DRAIN WELL INFLOW	424209	1133351	016	067	SW			1972	1973	A			A	USGS	D
17040209	08S 25E 20CAD1 DRAIN WELL INFLOW	424239	1133337	016	067	SW			1972	1972	A				USGS	D
17040209	07S 24E 26DDD1 DRAIN WELL INFLOW	424645	1133745	016	067	SW			1973	1973	A			A	USGS	D
17040212	ROCK CREEK 7 M SOUTH OF HANSEN	422524	1141724	016	083	SW			1975	1976	M				USBR	C
17040212	ROCK C IN PARK NR US HWY #30	423356	1142946	016	083	DR			1975	1976	M				USBR	C
17040212	N COTTONWOOD C AT 2800 NORTH	422410	1142547	016	083	SW			1975	1976	M				USBR	C
17040212	DEEP CREEK AT 3300 NORTH	422837	1145112	016	083	CN			1975	1976	M				USBR	C
17040212	DEEP CREEK NR AUTO WRECKING YARD	423935	1144845	016	083	DR			1975	1976	M				USBR	C
17040212	CEDAR DRAW .5 M FROM MOUTH	423920	1143935	016	083	DR			1975	1976	M				USBR	C
17040212	SNAKE RIVER AB BLUE LAKES SPRING	423617	1142815	016	083	SW			1976	1976	A			A	USGS	D
17040212	ROCK CREEK NR MOUTH NR TWIN FALLS IDAHO	423725	1143158	016	083	SW	300.00	124	1975		A			A	USGS	D
17040212	SNAKE RIVER ABOVE CRYSTAL SPRINGS	423858	1143929	016	083	SW			1976	1976	A			A	USGS	D
17040212	SNAKE RIVER NEAR BUHL, IDAHO	423958	1144241	016	083	SW		124	1965		A			A	USGS	D
17040212	SNAKE RIVER BELOW CLEAR LAKES SPRING	423954	1144652	016	083	SW			1976	1976	A			A	USGS	D
17040212	MUD CREEK AT MOUTH NEAR BUHL IDAHO	423940	1144740	016	083	SW			1976	1976	A			A	USGS	D
17040212	SNAKE RIVER ABOVE 1000 SPRINGS NR HAGERMAN I	424327	1145048	016	047	SW			1973		A			A	USGS	D
17040212	SNAKE R BL LOWER SALMON FALLS NR HAGERMAN ID	425055	1145402	016	047	SW		124	1965		A			A	USGS	D
17040212	SNAKE RIVER AT SHOESTRING RD NR BLISS IDAHO	425454	1145753	016	083	SW			1976	1976	A			A	USGS	D
17040212	SNAKE RIVER AT KING HILL IDAHO	430008	1151206	016	039	SW	35800.00	124	1950		M	M		M	USGS	D
17040212	09S 18E 11BAA1 CANAL DIV	423949	1141903	016	053	SW			1972	1972	A			A	USGS	D

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17040212	09S 18E 03DDB2 DRAIN WELL INFLOW	423959	1141945	016	053	SW			1972	1972	A				USGS	D
17040212	09S 19E 03DAA1 CANAL DIV	424015	1141238	016	053	SW			1972	1972	A			A	USGS	D
17040212	09S 19E 02BBB1 DRAIN WELL INFLOW	424038	1141234	016	053	SW			1972	1972	A				USGS	D
17040212	08S 16E 33CCD1 DRAIN WELL INFLOW	424055	1143533	016	053	SW			1972	1972	A				USGS	D
17040212	08S 19E 34DAD1 DRAIN WELL INFLOW FROM POND	424056	1141235	016	053	SW			1972	1972	A			A	USGS	D
17040212	08S 19E 34DAA2 DRAIN WELL INFLOW	424105	1141235	016	053	SW			1972	1973	E				USGS	D
17040212	08S 16E 24AAC1 DRAIN WELL INFLOW	424320	1143118	016	053	SW			1972	1972	A				USGS	D
17040212	08S 16E 16CBC1 DRAIN WELL INFLOW	424341	1143546	016	053	SW			1972	1972	A				USGS	D
17040212	08S 15E 13ABA1 DRAIN WELL INFLOW FROM POND	424418	1143828	016	047	SW		124	1972	1973	R			R	USGS	D
17040212	08S 15E 11CCC1 DRAIN WELL INFLOW	424421	1144025	016	047	SW			1972	1972	A				USGS	D
17040212	07S 15E 33CAD1 DRAIN WELL INFLOW	424625	1144212	016	047	SW			1972	1973	A			A	USGS	D
17040212	07S 15E 33DBB1 DRAIN WELL INFLOW	424629	1144211	016	047	SW			1972	1972	A				USGS	D
17040212	07S 17E 32ADA1 DRAIN WELL INFLOW	424641	1142856	016	053	SW			1972	1972	A				USGS	D
17040212	07S 17E 36BBD1 DRAIN WELL INFLOW	424646	1142512	016	053	SW			1972	1972	A				USGS	D
17040212	07S 13E 26AAA1 DRAIN WELL INFLOW FROM POND	424749	1145319	016	047	SW			1972	1973	A				USGS	D
17040212	07S 18E 19ACC1 DRAIN WELL INFLOW	424824	1142320	016	053	SW			1972	1972	A				USGS	D
17040212	07S 13E 14CAD2 DRAIN WELL INFLOW	424858	1145354	016	047	SW			1972	1972	A				USGS	D
17040212	07S 13E 14CAD1 DRAIN WELL INFLOW	424859	1145400	016	047	SW			1972	1972	A				USGS	D
17040212	07S 17E 14ACC1 CANAL DIV	424906	1142558	016	053	SW			1972	1972	A				USGS	D
17040212	07S 17E 15BCC1 DRAIN WELL INFLOW FROM S	424906	1142745	016	053	SW			1972	1973	A			A	USGS	D
17040212	07S 17E 15BCC1 DRAIN WELL INFLOW	424908	1142745	016	053	SW			1972	1972	A			A	USGS	D
17040212	07S 13E 14ACC1 DRAIN WELL INFLOW	424913	1145349	016	047	SW			1972	1972	A			A	USGS	D
17040212	07S 17E 16BAA1 DRAIN WELL INFLOW	424931	1142825	016	053	SW			1972	1972	A				USGS	D
17040212	07S 17E 11CDA1 DRAIN WELL INFLOW	424941	1142559	016	053	SW			1972	1972	A				USGS	D
17040212	06S 15E 31CBC1 DRAIN WELL INFLOW	425121	1144352	016	047	SW			1972	1972	A				USGS	D
17040212	06S 13E 04CDD1 DRAIN WELL INFLOW	425528	1145508	016	047	SW			1973	1973	A				USGS	D
17040213	SALMON FALLS CREEK NEAR HAGERMAN, IDAHO	424147	1145115	016	047	SW	2120.00	124	1965		A			A	USGS	D
17040219	ADAMS GULCH NR KETCHUM ID	434220	1142350	016	013	SW			1977		Y		Y		USFS	
17040219	06S 14E 24BCC1 DRAIN WELL INFLOW	425317	1144503	016	047	SW			1972	1972	A				USGS	D
17040219	06S 14E 13CCD1 CANAL DIV	425341	1144447	016	047	SW			1972	1972	A			A	USGS	D
17040219	05S 15E 19DDB1 DRAIN WELL INFLOW	425816	1144301	016	047	SW			1972	1973	A			A	USGS	D
17040219	05S 15E 20CAA1 CANAL DIV	425829	1144210	016	047	SW			1972	1972	A			A	USGS	D
17040221	06S 17E 02BAD1 DRAIN WELL INFLOW	425605	1142423	016	063	SW			1973	1973	A			A	USGS	D
17040221	06S 17E 02BAD2 DRAIN WELL INFLOW	425605	1142424	016	063	SW			1973	1973	A			A	USGS	D

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17040221	06S 17E 02BBD1 DRAIN WELL INFLOW	425609	1142434	016	063	SW			1973	1973	A			A	USGS	D
17040221	05S 17E 35CDB1 DRAIN WELL INFLOW	425624	1142425	016	063	SW			1973	1973	A			A	USGS	D
17050101	B JACKS CR NR BRUNEAU ID	424706	1155900	016	073	SW	253.00	004	1967		K	A		K	USGS	D
17050102	BRUNEAU RIVER NEAR HOT SPRING, IDAHO	424616	1154310	016	073	SW	2630.00	024	1965		A			A	USGS	D
17050103	SNAKE R NR MURPHY ID	431730	1162512	016	001	SW			1960	1972	B				USBR	
17050103	SNAKE RIVER NEAR MURPHY, IDAHO	431730	1162512	016	001	SW			1973		M	M	M		USGS	P
17050105	SF OWYHEE R AT PETAN RD	414731	1162450	032	007	SW			1977		B				USGS	
17050108	JORDAN C NR JORDAN VALLEY OREG	425227	1165712	016	073	SW			1966	1969	B				USBR	
17050108	JORDON CR AB LONE TREE CR NR JORDON VLY OR	425227	1165712	016	027	SW	440.00	024	1967	1967	E				USGS	P
17050112	COTTONWOOD CREEK AT ARROWROCK RESERVOIR ID	433756	1154925	016	015	SW	21.40	024	1975		E	E	E		USGS	P
17050112	GROUSE CREEK NR ARROWROCK DAM ID	433440	1155433	016	039	SW	8.00	004	1976	1978	E	E			USGS	P
17050112	MOORE CK AB GRANITE CK NR IDAHO CITY ID	435000	1154700	016	015	SW	37.00	024	1939	1940	E	E			USGS	P
17050112	GRANITE CK NR IDAHO CITY ID	434930	1154700	016	015	SW	4.80	004	1939	1940	E	E			USGS	P
17050112	BANNOCK CREEK NEAR IDAHO CITY, IDAHO	434830	1154625	016	015	SW	5.75	004	1975	1979	E	E			USGS	P
17050112	PINE CK AB BARRY PLCR DIV NR IDAHO CITY ID	434830	1154800	016	015	SW	6.10	024	1940	1940	E	E			USGS	P
17050112	PINE CK NR IDAHO CITY ID	434900	1154830	016	015	SW	6.50	024	1939	1940	E	E			USGS	P
17050112	ELK CK AB GOLD HILL PLCR DIV NR IDAHO CITY I	435400	1154730	016	015	SW	13.10	004	1939	1940	E	E			USGS	P
17050112	ELK CK NR IDAHO CITY ID	435030	1154930	016	015	SW	22.30	024	1939	1940	E	E			USGS	P
17050112	MOORE CK AB THORN CK NR IDAHO CITY ID	434600	1155500	016	015	SW	119.00	024	1939	1940	E	E			USGS	P
17050112	MORES CREEK AB ROBIE CREEK NR ARROWROCK DAM	433853	1155920	016	015	SW	399.00	024	1963		A			A	USGS	D
17050113	ANDERSON RANCH RES 6 MI AB DAM	432130	1153350	016	039	SW			1976		B				USBR	C
17050113	ANDERSON RANCH RES, 100 YD ABV D	432130	1152640	001	039	SW			1976		B				USBR	C
17050113	S F BOISE R 500 YDS BL DAM	432130	1152640	001	039	SW			1976		B				USBR	C
17050114	TENMILE CR AT CLOVERDALE RD	433130	1162000	016	001	SW			1971		M				USBR	C
17050114	TENMILE CR RIDENBAUGH CROSSING	433345	1162215	016	001	SW			1971		M				USBR	C
17050114	TENMILE RD AT CHERRY LANE	433710	1162705	016	001	SW			1971		M				USBR	C
17050114	TENMILE CR AT CAN ADA ROAD	433730	1163040	016	027	SW			1971		M				USBR	C
17050114	TENMILE CR NR MOUTH	434020	1163510	016	027	SW			1971		M				USBR	C
17050114	INDIAN CR AT MOUTH	434030	1164210	016	027	SW			1971		M				USBR	C
17050114	INDIAN CR AT 21 AV CALDWELL	433930	1164005	016	027	SW			1971		M				USBR	C
17050114	INDIAN CR AT KARCHER RD NAMPA	433625	1163530	016	027	SW			1971		M				USBR	C
17050114	INDIAN CR AT NAMPA BLVD NAMPA	433540	1163440	016	027	SW			1971		M				USBR	C
17050114	INDIAN CR CENTER SEC26 T3N R2W	433420	1163230	016	027	SW			1971		M				USBR	C
17050114	NEW YORK CA AT LK SHORE DRIVE	433040	1163430	016	027	SW			1972		M				USBR	C

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17050114	RIDEN BAUGH DROP AT NEW YORK CA	433035	1163425	016	027	SW			1972	1976	M				USBR	C
17050114	GARLAND DRAIN N YORK CANAL	433030	1163420	016	027	SW			1972		M				USBR	C
17050114	WILLOW CR AT HWY 44	434223	1163747	016	027	SW			1972		M				USBR	C
17050114	BOISE RIVER BELOW LUCKY PEAK DAM	433140	1160420	016	001	SW			1973		M				USBR	C
17050114	BOISE R BELOW BARBER DAM	433345	1160745	016	001	SW			1973		M				USBR	C
17050114	RIDENBAUGH DR E END ANN MORRISON	433630	1161250	016	001	SW			1973		M				USBR	C
17050114	BAXTER DR W END ANN M PARK	433640	1161320	016	001	SW			1973		M				USBR	C
17050114	DAVIS DR BELOW GARDEN CITY STP	433835	1161530	016	001	SW			1973		M				USBR	C
17050114	BOISE R AT GLENWOOD BRIDGE	433945	1161705	016	001	SW			1973		M				USBR	C
17050114	EAGLE DR AT EAGLE	434130	1162120	016	001	SW			1973		M				USBR	C
17050114	FISH HATCHERY OUTFALL NR EAGLE	434040	1162410	016	001	SW			1973		M				USBR	C
17050114	THURMAN DR NR EAGLE	434030	1162320	016	001	SW			1973		M				USBR	C
17050114	BOISE R AT STAR BRIDGE	434050	1162940	016	001	SW			1973		M				USBR	C
17050114	NORTH MIDDLETON DRAIN	434225	1163705	016	027	SW			1973		M				USBR	C
17050114	SOUTH MIDDLETON DRAIN	434210	1163705	016	027	SW			1972		M				USBR	C
17050114	HARTLEY DR NR CALDWELL (EAST)	434200	1164030	016	027	SW			1973		M				USBR	C
17050114	HARTLEY GULCH NR CALDWELL (WEST)	434155	1164100	016	027	SW			1972		M				USBR	C
17050114	BOISE R AT HWY 30 BRDG CALDWELL	434120	1164105	016	027	SW			1973		M				USBR	C
17050114	MASON DR NR CALDWELL	434100	1163920	016	027	SW			1972		M				USBR	C
17050114	MASON CR NORTH CHANNEL	434110	1163750	016	027	SW			1973		M				USBR	C
17050114	INDIAN CR AT ROBISON RD	433250	1162930	016	027	SW			1973		M				USBR	C
17050114	DIXIE DR MOUTH NW1/4 S36 T5N R5W	434350	1165300	016	027	SW			1972		M				USBR	C
17050114	CONWAY GULCH W NOTUS HWY 95	434350	1164810	016	027	SW			1973		M				USBR	C
17050114	DRY CREEK NR EAGLE HWY 44 CROSS	434145	1162205	016	001	SW			1974		M				USBR	C
17050114	MASON CREEK SOUTH CHANNEL	434055	1163750	016	027	SW			1973		M				USBR	C
17050114	LK LOWELL 1.5 M E BOAT RAMP	433457	1164154	016	027	SW			1975	1979	M				USBR	C
17050114	LK LOWELL NR UPPER EMBANKMENT	433315	1163942	016	027	SW			1975		M				USBR	C
17050114	LK LOWELL SOUTHEAST END	433159	1163712	016	027	SW			1975		M				USBR	C
17050114	LK LOWELL ACROSS FR U.EMBANKMENT	433243	1164018	016	027	SW			1975	1979	M				USBR	C
17050114	LK LOWELL 1M SE GAGE STA LL CANL	433414	1164320	016	027	SW			1975		M				USBR	C
17050114	INDIAN CREEK @ WILDER HWY BRIDGE	434028	1164133	016	027	SW			1976		M				USBR	C
17050114	EAST END DRAIN 1 MI FROM MOUTH	434430	1165437	016	027	SW			1976	1979	M				USBR	C
17050114	SAND HOLLOW DRAIN @ 1ST AVE PARM	434916	1170043	016	027	SW			1976	1979	M				USBR	C
17050114	SOUTH BOISE DRAIN NR PARMA, IDAHO	434647	1170039	016	027	SW			1971	1972	A			A	USGS	C

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17050114	ROSS DRAIN AT MOUTH NR PARMA, IDAHO	434751	1170040	016	027	SW			1972	1972	A			A	USGS	D
17050114	NEW YORK CA NR BARBER ID	433300	1160700	016	001	CN		014	1939	1940	E	E			USGS	P
17050114	COTTONWOOD GULCH AT BOISE ID	433700	1161100	016	001	SW	16.00	004	1939	1940	E	E			USGS	P
17050114	MOUNTAIN VIEW DR AT BOISE, IDAHO	433841	1161635	016	001	SW			1973	1974	E			E	USGS	D
17050114	AMERICAN BLVD STORM SEWER AT BOISE ID	433700	1161311	016	001	SW			1973	1974	K			K	USGS	D
17050114	DRY CREEK AT EAGLE, IDAHO	434145	1162205	016	001	SW	66.40	024	1971	1972	A			A	USGS	D
17050114	THRUMAN MILL DRAIN NR EAGLE, IDAHO	434001	1162113	016	001	SW			1971	1972	A			A	USGS	D
17050114	FIFTEEN MILE CR AT MOUTH NR MIDDLETON, IDAHO	433540	1164127	016	027	SW			1972	1972	A			A	USGS	D
17050114	MILL SLOUGH AT MOUTH NR MIDDLETON, IDAHO	434213	1163816	016	027	SW			1972	1972	A			A	USGS	D
17050114	WILLOW CREEK AT MOUTH NR MIDDLETON, IDAHO	434220	1163831	016	027	SW			1972	1972	A			A	USGS	D
17050114	MASON SLOUGH AT MOUTH AT CALDWELL, IDAHO	434132	1163956	016	027	SW			1972	1972	A			A	USGS	D
17050114	HARTLEY DRAIN NR CALDWELL, IDAHO	434145	1164109	016	027	SW			1971	1972	A			A	USGS	D
17050114	MASON CREEK AT MOUTH AT CALDWELL, IDAHO	434155	1164022	016	027	SW	3220.00	124	1971	1974	E			E	USGS	D
17050114	CONWAY GULCH AT MOUTH NR NOTUS, IDAHO	434336	1164812	016	027	SW			1972	1972	A			A	USGS	D
17050114	DIXIE SLOUGH AT MOUTH NR PARMA, IDAHO	434351	1165317	016	027	SW			1971	1972	A			A	USGS	D
17050114	BOISE RIVER NR PARMA IDA	434654	1165817	016	027	SW	3970.00	014	1969		E	E		E	USGS	D
17050115	WEISER R @ WEISER, IDAHO	441430	1165800	016	087	SW			1969		K				IDOO4	D
17050115	GRAVEYARD WN	435700	1164420	016	075	SW			1968	1976	M				USBR	C
17050115	SAND HOLLOW DRAIN AT MOUTH NR PARMA, IDAHO	434917	1170044	016	027	SW			1971	1972	A			A	USGS	D
17050115	SNAKE R AT NYSSA OR	435234	1165902	041	045	SW	58700.00	014	1973		E	E		E	USGS	D
17050115	WEISER RIVER AT MOUTH, AT WEISER, IDAHO	441422	1165810	016	087	SW			1974	1974	A	A		A	USGS	D
17050118	BULLY CREEK NEAR VALE,OREG.	435730	1172030	041	045	SW	570.00	004	1957	1975	2			2	USGS	D
17050122	PAYETTE R NR EMMETT	435615	1162645	016	045	SW			1968	1976	M				USBR	C
17050122	COMBINE DR AT TUNNEL 7 NW	435245	1163710	016	045	SW			1969	1976	M				USBR	C
17050122	BISSEL CREEK NEAR MOUTH	435345	1163700	016	045	SW			1973	1976	M				USBR	C
17050122	PAYETTE R NR FALK	435715	1164300	016	075	SW			1969	1976	M				USBR	C
17050122	MAIN DR B LATERAL DR	435710	1164455	016	075	SW			1969	1976	M				USBR	C
17050122	CEMETRAY DR NR NEW PLYMOUTH	435850	1164750	016	075	SW			1970	1976	M				USBR	C
17050122	PAYETTE RIVER NEAR PAYETTE	440235	1165525	016	075	SW			1969	1976	M				USBR	C
17050122	BIG WILLOW CR AT TOM PENCE RANCH	440020	1164615	016	075	SW			1968	1975	B				USBR	
17050122	NORTH DRAIN AT HWY #16 NR EMMETT	435139	1162933	016	045	SW			1969	1976	M				USBR	C
17050122	S DRAIN AT LAST CHANCE CA WASTEWAY	435030	1162930	016	045	SW			1969	1976	M				USBR	C
17050122	BISSEL C BETWEEN SEC 28 & 29	435500	1163600	016	045	SW			1975	1976	M				USBR	C
17050122	NORTH DRAIN AT RR NR BRAMWELL	435036	1163402	016	045	SW			1969	1976	M				USBR	C

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17050122	SOUTH DRAIN NR BRAMWELL	435023	1163400	016	045	SW			1969	1976	M				USBR	C
17050122	SMALL DRAIN N OF RR NR BRAMWELL	435055	1163401	016	045	SW			1969	1976	M				USBR	C
17050122	COMBINE DRAIN BL BLACK CANYON PUMP	435100	1163600	016	045	SW			1975	1976	M				USBR	C
17050122	SMALL DR 1/2 MI E GRAVEYARD W W	435700	1164340	016	075	SW			1969	1976	M				USBR	C
17050122	PAYETTE R 0.5 M WEST EMMETT STP	435300	1163300	016	045	SW			1975	1976	M				USBR	C
17050122	BLACK CANYON RE IN SQUAW CARM	435615	1162225	016	045	SW			1975	1976	M				USBR	C
17050122	SQUAW C AT HWY #52 CROSSING	435705	1162055	016	045	SW			1974	1976	M				USBR	C
17050122	LITTLE WILLOW CAB LWR PAYETTE	440140	1165020	016	075	SW			1974	1976	M				USBR	C
17050123	GOLD FORK NR ROSEBERRY ID	444118	1160002	016	085	SW			1965	1970	B				USBR	
17050123	LAKE F CR	445512	1155648	016	085	SW			1975		B		B		USFS	
17050124	EF WEISER R	445036	1162200	016	003	SW			1975		B		B		USFS	
17050124	WEISER RIVER AT TAMARACK IDAHO	445649	1162255	016	003	SW	36.50	004	1974	1978	R			R	USGS	D
17050124	EAST FORK WEISER RIVER NEAR STARKEY ID	445042	1162219	016	003	SW	31.60	024	1974	1974	A			A	USGS	D
17050124	LOST CREEK ABOVE RESERVOIR NEAR TAMARACK IDA	445830	1162830	016	003	SW	25.10	004	1974	1974	A			A	USGS	D
17050124	WEST FORK WEISER RIVER NR TAMARA	445443	1162942	016	003	SW	24.40	004	1974	1975	A				USGS	D
17050124	WEST FORK WEISER RIVER NEAR FRUITVALE, IDAHO	444909	1162735	016	003	SW	87.70	014	1974	1975	A			A	USGS	D
17050124	MILL CREEK NEAR COUNCIL, IDAHO	444551	1162318	016	003	SW	8.22	004	1974	1975	A			A	USGS	D
17050124	NORTH HORNET CREEK NEAR COUNCIL, IDAHO	445140	1163444	016	003	SW	31.20	004	1974	1975	A			A	USGS	D
17050124	HORNET CREEK NEAR COUNCIL, IDAHO	444500	1162900	016	003	SW	107.00	024	1974	1978	R			R	USGS	D
17050124	COTTONWOOD CREEK, AB.DIV., NR. COUNCIL, IDAH	444053	1162239	016	003	SW	18.50	004	1974	1975	A			A	USGS	D
17050124	COTTONWOOD CREEK NEAR COUNCIL ID	444107	1162648	016	003	SW	20.70	024	1974	1975	R			R	USGS	D
17050124	M FK WEISER RIVER AB FALL CREEK NR MESA ID	443843	1162223	016	003	SW		004	1974		A			A	USGS	D
17050124	JOHNSON CREEK NEAR GOODRICH, IDAHO	444030	1163206	016	003	SW	21.00	004	1974		R			R	USGS	D
17050124	DRY CR AT GOODRICH ID	443915	1163319	016	003	SW	7.37	004	1974	1975	A			A	USGS	D
17050124	GOODRICH CREEK NEAR GOODRICH, IDAHO	443958	1163552	016	003	SW	15.30	004	1974		R			R	USGS	D
17050124	WEISER RIVER NR CAMBRIDGE ID	443447	1163820	016	087	SW	605.00	004	1973		E	E		E	USGS	D
17050124	RUSH CREEK AT CAMBRIDGE ID	443430	1164000	016	087	SW	32.00	124	1974	1978	R			R	USGS	D
17050124	SPRING CREEK AT CAMBRIDGE IDAHO	443400	1164054	016	087	SW			1975	1975	A			A	USGS	D
17050124	PINE CREEK NEAR CAMBRIDGE, IDAHO	443523	1164412	016	087	SW	54.00	024	1974	1979	E			E	USGS	D
17050124	WEST FORK PINE CREEK NEAR CAMBRIDGE, IDAHO	443516	1164525	016	003	SW	23.90	004	1974	1975	A			A	USGS	D
17050124	PINE CREEK AT MOUTH AT CAMBRIDGE IDAHO	443350	1164100	016	087	SW	83.50	024	1974	1975	R			R	USGS	D
17050124	L. WEISER R. AT RUBY RANCH NR. INDIAN VALLEY	442922	1162324	016	003	SW	80.30	004	1974	1975	A			A	USGS	D
17050124	LITTLE WEISER RIVER NR MOUTH NR CAMBRIDGE ID	443250	1163920	016	087	SW		024	1974	1975	R			R	USGS	D
17050124	DIXIE CREEK NEAR CAMBRIDGE, IDAHO	442956	1163638	016	087	SW	11.00	004	1974		A			A	USGS	D

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17050124	KEITHLY CREEK, AB. DIV., NR. MIDVALE, IDAHO	443102	1164953	016	087	SW	13.70	004	1973	1979	E			E	USGS	D
17050124	KEITHLY CREEK AT MOUTH NEAR MIDVALE IDAHO	444335	1162936	016	087	SW			1974	1975	N			N	USGS	D
17050124	BANNER CREEK NEAR MIDVALE, IDAHO	442600	1164328	016	087	SW	8.95	004	1974	1975	A			A	USGS	D
17050124	WEISER R ABOVE CRANE CREEK, NR WEISER, IDAHO	441720	1164722	016	087	SW	1160.00	124	1974	1974	A			A	USGS	D
17050124	CRANE CR AB RES NR CRANE ID	442420	1163130	016	087	SW			1975		A			A	USGS	D
17050124	HOG CR NR CRANE ID	442440	1163300	016	087	SW			1975	1975	A			A	USGS	D
17050124	MILL CREEK NR CRANE	442220	1163150	016	087	SW	12.20	004	1974	1975	A			A	USGS	D
17050124	TENNISON CREEK NEAR SOUTH CRANE SCHOOL, IDAH	441810	1163058	016	087	SW	12.10	004	1974	1975	A			A	USGS	D
17050124	SOUTH FORK CRANE CREEK NEAR CRANE, IDAHO	441940	1163300	016	087	SW	52.00	014	1974	1975	A			A	USGS	D
17050124	CRANE CREEK NR MIDVALE IDA	442120	1163705	016	087	SW	242.00	014	1974	1974	A	A		A	USGS	D
17050124	CRANE CREEK AT MOUTH, NEAR WEISER, IDAHO	441728	1164648	016	087	SW	288.00	014	1973	1975	N	E		N	USGS	D
17050124	WEISER RIVER NEAR WEISER, IDAHO	441623	1164623	016	087	SW	1460.00	024	1959		M	E		M	USGS	D
17050124	COVE C NR WEISER ID	441337	1164803	016	087	SW	36.90	024	1974	1975	A				USGS	D
17050124	MANN CREEK ABOVE RESERVOIR NEAR WEISER, IDAH	442448	1165434	016	087	SW	53.50	004	1974	1975	A			A	USGS	D
17050124	MONROE CREEK ABOVE SHEEP CREEK NEAR WEISER,	441950	1165550	016	087	SW	32.00	024	1973	1979	N			N	USGS	D
17050124	SNAKE RIVER AT WEISER, IDAHO	441444	1165848	016	087	SW	69200.00	124	1966		N	N		N	USGS	D
17050201	WILDHORSE R	445448	1164324	016	003	SW			1975		B		B		USFS	
17050201	SE R	445448	1164324	016	003	SW			1975		B		B		USFS	
17050201	INDIAN CREEK BL CUPRUM	450503	1164212	016	003	SW			1971	1972	Q				USFS	
17050201	SCOTT CREEK ABOVE DIVERSIONS, NEAR WEISER, I	443040	1170037	016	087	SW	21.70	004	1974	1975	A			A	USGS	D
17050201	HOG CREEK NEAR WEISER, IDAHO	441758	1170520	016	087	SW	21.40	004	1974	1975	A			A	USGS	D
17050201	SNAKE RIVER AT HELLS CANYON DAM ID-OR LINE	451505	1164150	041	087	SW	73300.00	124	1969		K	K		R	USGS	D
17050203	POWDER RIVER AT BAKER,OREG.	444630	1174940	041	001	SW	351.00	124	1959	1975	2			2	USGS	D
17060101	KURRY CREEK	453840	1162742	016	049	SW			1972	1975	A				USFS	D
17060101	COPPER CREEK	451503	1162617	016	003	SW			1971	1972	Q				USFS	
17060103	SNAKE RIVER NEAR ANATONE WASHINGTON	460550	1165836	053	003	SW	92960.00	014	1958		E	E		E	USGS	D
17060104	GRANDE RONDE RIVER NEAR HILGARD, OREG.	451900	1181600	041	061	SW	505.00	024	1976	1976	A	A			USGS	D
17060104	INDIAN CREEK NR IMBLER	452600	1174920	041	061	SW			1977		B				USSCS	P
17060104	GORDON CREEK NR ELGIN OR	453700	1175730	041	061	SW			1977		B				USSCS	P
17060104	RYSDAM CANYON NR MINAM OR	453700	1174730	041	061	SW			1977		B				USSCS	P
17060105	MINAM RIVER AT MINAM,OREG.	453712	1174332	041	063	SW	240.00	004	1964		E			E	USGS	D
17060107	DEADMAN CR NR CENTRAL FERRY,WASH	463650	1174707	053	023	SW			1964	1967	M	E		M	USGS	D
17060107	MEADOW CREEK NR CENTRAL FERRY, WASH.	463551	1174654	053	023	SW	66.20		1964	1967	M	E		M	USGS	D
17060107	TUCANNON RIVER NEAR STARBUCK, WASH.	463020	1180355	053	013	SW	431.00	024	1961	1970	2	E		2	USGS	D

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17060108	PALOUSE R BL POTLATCH	465500	1165700	016	057	SW			1969		A				ID004	D
17060108	PALOUSE RIVER NEAR COLFAX, WASH.	465530	1171910	053	075	SW	491.00	124	1962	1963	M				USGS	P
17060108	S.F. PALOUSE R. AT PULLMAN,WASH	464357	1171048	053	075	SW	132.00	124	1964		E			E	USGS	D
17060108	S F PALOUSE R NR COLFAX	465232	1172042	053	075	SW	277.00	004	1964		E			E	USGS	D
17060108	PALOUSE RIVER AT HOOPER, WASH.	464533	1180849	053	075	SW	2500.00	023	1959		2	E		2	USGS	D
17060110	SNAKE RIVER AT BURBANK, WASH.	461259	1190122	053	021	SW	108800.00	124	1960		E	E		E	USGS	D
17060201	CHALLIS C NR CHALLIS ID	443340	1141640	016	037	SW			1962	1970	B				USBR	
17060201		442800	1142000	016	037	SW			1975	1978	R				USFS	D
17060201		442630	1142330	016	037	SW			1975	1978	A				USFS	D
17060201	CHALLIS C NR CHALLIS ID	443340	1141640	016	037	SW			1977		Y		Y		USFS	
17060201	SALMON RIVER AT HEAD NR OBSIDIAN ID	435303	1144547	016	037	SW			1971	1979	E			E	USGS	D
17060201	BEAVER CREEK NEAR STANLEY, IDAHO	435510	1144848	016	037	SW	15.00	004	1971		E			E	USGS	D
17060201	CHAMPION CREEK NEAR OBSIDIAN, IDAHO	440139	1144954	016	037	SW			1971	1972	A			A	USGS	D
17060201	FOURTH OF JULY CREEK NEAR OBSIDIAN, IDAHO	440148	1144954	016	037	SW			1971	1972	A			A	USGS	D
17060201	VALLEY CREEK AT STANLEY, IDAHO	441321	1145549	016	037	SW	147.00	024	1957	1979	E			E	USGS	D
17060201	BASIN CREEK NEAR STANLEY, IDAHO	441547	1144903	016	037	SW			1971	1972	A			A	USGS	D
17060201	YANKEE FORK SALMON R NR CLAYTON IDAHO	441715	1144311	016	037	SW	195.00	004	1971		E			E	USGS	D
17060201	SALMON RIVER BELOW YANKEE FORK, NEAR CLAYTON	441606	1144355	016	037	SW	802.00	024	1971		E			E	USGS	D
17060201	WARM SPRINGS CREEK AT ROBINSON BAR NR CLAYTO	441450	1144011	016	037	SW	81.00	024	1971	1979	E			E	USGS	D
17060201	PEACH CREEK NEAR CLAYTON, IDAHO	441550	1143850	016	037	SW	7.62	004	1971	1979	E			E	USGS	D
17060201	SLATE CREEK NEAR CLAYTON, IDAHO	441519	1143348	016	037	SW			1971	1972	A	A		A	USGS	D
17060201	HOLMAN CREEK NEAR CLAYTON, IDAHO	441452	1143143	016	037	SW	6.10	004	1971		E			E	USGS	D
17060201	THOMPSON C AB PAT HUGHES C NR CLAYTON, IDAHO	441726	1143325	016	037	SW			1971	1972	R			R	USGS	D
17060201	PAT HUGHES CREEK NEAR CLAYTON, IDAHO	441718	1143249	016	037	SW			1971	1973	E			E	USGS	D
17060201	THOMPSON CREEK NEAR CLAYTON IDAHO	441536	1143050	016	037	SW	29.10	004	1971		E			E	USGS	D
17060201	SQUAW CREEK ABOVE BRUNO CREEK NR CLAYTON, ID	441805	1142836	016	037	SW			1971	1972	A			A	USGS	D
17060201	BRUNO CREEK NEAR CLAYTON, IDAHO	441756	1142850	016	037	SW	6.29	004	1971		E			E	USGS	D
17060201	SQUAW CREEK BL BRUNO CREEK NR CLAYTON ID	441726	1142815	016	037	SW	79.00	004	1973		E			E	USGS	D
17060201	SQUAW CREEK NEAR CLAYTON, IDAHO	441535	1142727	016	037	SW			1971	1972	R			R	USGS	D
17060201	SALMON RIVER ABOVE EAST FORK NR CLAYTON, IDA	441559	1141934	016	037	SW			1971	1973	R			R	USGS	D
17060201	S.F. OF E.F. SALMON R AB W.F. NR CLAYTON, ID	435544	1143315	016	037	SW	16.50		1971		E			E	USGS	D
17060201	W.F. OF E.F. SALMON R AB S.F. NR CLAYTON, ID	435546	1143318	016	037	SW	9.10		1971		E			E	USGS	D
17060201	WEST PASS CREEK NEAR CLAYTON, IDAHO	435907	1142915	016	037	SW			1971	1973	R			R	USGS	D
17060201	E.F. SALMON R BL BOWERY G. S. NR CLAYTON, ID	440023	1142848	016	037	SW	75.00		1971		E			E	USGS	D

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17060201	GERMANIA CREEK NEAR CLAYTON, IDAHO	440221	1142740	016	037	SW			1971		E			E	USGS	D
17060201	WICKIUP CREEK NEAR CLAYTON, IDAHO	440422	1142734	016	037	SW			1971	1974	A			E	USGS	D
17060201	E.F. SALMON R BL WICKIUP C NR CLAYTON, IDAHO	440458	1142656	016	037	SW			1971	1973	K			K	USGS	D
17060201	LITTLE BOULDER CREEK AB BAKER LAKE NR CLAYTO	440330	1143154	016	037	SW	3.30		1970		N			K	USGS	D
17060201	L BOULDER C BL BO. CHAIN LK OUTLET NR CLAYTO	440356	1143215	016	037	SW	12.20		1970		N			R	USGS	D
17060201	LITTLE BOULDER CREEK NEAR CLAYTON IDAHO	440557	1142656	016	037	SW	18.40	004	1969		K			K	USGS	D
17060201	BIG BOULDER CR AT LIVINGSTON MILL NR CLAYTON	440747	1143122	016	037	SW	9.30		1970		N			A	USGS	D
17060201	JIM CREEK AT LIVINGSTON MILL NR CLAYTON ID	440754	1143143	016	037	SW	5.50		1970		N			N	USGS	D
17060201	BIG BOULDER CREEK NEAR CLAYTON, IDAHO	440558	1142624	016	037	SW	27.50	004	1971	1979	E			E	USGS	D
17060201	BIG LAKE CREEK NEAR CLAYTON, IDAHO	440930	1142243	016	037	SW			1971	1972	R			R	USGS	D
17060201	HERD CREEK NEAR CLAYTON, IDAHO	440911	1141754	016	037	SW			1971		E			E	USGS	D
17060201	ROAD C ABOVE HORSE BASIN C NR CLAYTON, IDAHO	441036	1141203	016	037	SW			1971		E			E	USGS	D
17060201	HORSE BASIN CREEK NEAR CLAYTON IDAHO	441040	1141207	016	037	SW			1971		E			E	USGS	D
17060201	ROAD CREEK NEAR CLAYTON IDAHO	441115	1141709	016	037	SW			1971		E			E	USGS	D
17060201	E FK SALMON RIVER NR CLAYTON ID	441329	1141706	016	037	SW	532.00	004	1971		E	E		E	USGS	D
17060201	MALM GULCH NEAR CLAYTON, IDAHO	442118	1141545	016	037	SW	9.38	004	1972	1972	E				USGS	D
17060201	BAYHORSE CREEK NEAR CHALLIS IDAHO	442253	1141552	016	037	SW			1973	1979	E			E	USGS	D
17060201	SALMON RIVER NEAR CHALLIS, IDAHO	442243	1141518	016	037	SW	1800.00	024	1965		E	E		E	USGS	D
17060201	CHALLIS CR BELOW JEFFS CR NR CHALLIS IDAHO	443340	1141640	016	037	SW	91.20	004	1962	1970	E				USGS	
17060202	PAHSIMEROI R NR MAY ID	444131	1140252	016	037	SW			1977		Y		Y		USFS	D
17060202	MORSE CREEK AB DIV NR MAY ID	443655	1134825	016	059	SW	18.00	004	1971		E				USGS	D
17060203	ANDERSON CREEK	453330	1135530	016	059	SW			1972		Y				USFS	
17060203	ANDERSON CREEK	453310	1135530	016	059	SW			1972	1975	Y				USFS	
17060203	ANDERSON CREEK	453300	1135530	016	059	SW			1972	1974	Y				USFS	
17060203	DUMP CREEK	452300	1140400	016	059	SW			1972	1972	Y				USFS	
17060203	DAHLONEGA CREEK	453330	1135200	016	059	SW			1972	1974	Y				USFS	
17060203	DAHLONEGA CREEK	453330	1135430	016	059	SW			1972	1974	Y				USFS	
17060203	DAHLONEGA CREEK	453230	1135600	016	059	SW			1972	1974	Y				USFS	
17060203	INDIAN CREEK	452900	1140800	016	059	SW			1972	1972	Y				USFS	
17060203	INDIAN CREEK	452800	1140800	016	059	SW			1972	1975	Y				USFS	
17060203	INDIAN CREEK	452700	1140900	016	059	SW			1972	1974	Y				USFS	
17060203	INDIAN CREEK	452400	1141000	016	059	SW			1972	1976	Y				USFS	C
17060203	NF IRON CREEK	445830	1140700	016	059	SW			1972	1974	Y				USFS	
17060203	NF IRON CREEK	445730	1140700	016	059	SW			1972	1974	Y				USFS	

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17060203	NF IRON CREEK	445530	1140630	016	059	SW			1972	1974	Y				USFS	
17060203	NF IRON CREEK	445530	1140430	016	059	SW			1972	1974	Y				USFS	
17060203	NF IRON CREEK	445500	1140330	016	059	SW			1972	1972	Y				USFS	
17060203	MF SALMON R AT MOUTH	451800	1143530	016	059	SW			1972		Y				USFS	
17060203	MUSGROVE CREEK	450300	1142200	016	059	SW			1972	1972	Y				USFS	
17060203	MUSGROVE CREEK	450230	1142100	016	059	SW			1972	1972	Y				USFS	
17060203	MUSGROVE CREEK	450100	1141900	016	059	SW			1972	1974	Y				USFS	
17060203	MOOSE CREEK	452200	1140500	016	059	SW			1972	1972	Y				USFS	
17060203	SALMON R NR SHOUP ID	451930	1142600	016	059	SW			1977		Y		M		USFS	P
17060204	BIG EIGHTMILE CREEK	443700	1133400	016	059	SW			1972	1974	Y				USFS	
17060204	BIG EIGHTMILE CREEK	443830	1133000	016	059	SW			1972	1974	Y				USFS	
17060204	BIG EIGHTMILE CREEK	443830	1133200	016	059	SW			1972	1974	Y				USFS	
17060204	BIG EIGHTMILE CREEK	443900	1133100	016	059	SW			1972	1974	Y				USFS	
17060204	HAWLEY C AT NATL FOREST BOUNDARY	444000	1131130	016	059	SW			1976		Q				USFS	
17060204	LEMHI R NR SALMON ID	450747	1134748	016	059	SW			1977		Y		Y		USFS	D
17060205		443130	1151700	016	037	SW			1975	1978	E				USFS	D
17060205		444000	1150830	016	037	SW			1975	1978	A				USFS	D
17060205		444030	1150830	016	037	SW			1975	1978	A				USFS	D
17060205		444400	1150130	016	037	SW			1975	1978	A				USFS	D
17060205		444300	1150030	016	037	SW			1975	1978	A				USFS	D
17060205		444800	1144830	016	037	SW			1975	1978	A				USFS	D
17060205		444800	1144800	016	037	SW			1975	1978	R				USFS	D
17060206	CAMAS CREEK	445045	1143110	016	059	SW			1972	1975	Y				USFS	
17060206	CAMAS CREEK	445100	1143130	016	059	SW			1972	1975	Y				USFS	
17060206	CAMAS CREEK	445130	1143200	016	059	SW			1972	1975	Y				USFS	
17060206	SILVER CREEK MONITORING STATION	444950	1143000	016	059	SW			1974		Y				USFS	
17060206		445400	1144400	016	059	SW			1975	1978	R				USFS	D
17060206		445430	1144330	016	059	SW			1975	1978	R				USFS	D
17060206		445730	1144400	016	059	SW			1975	1978	A				USFS	D
17060206		450500	1144330	016	059	SW			1975	1978	R				USFS	D
17060206		450530	1144430	016	059	SW			1975	1978	R				USFS	D
17060206	LOWER BIG CR	450606	1145100	016	085	SW			1974		B				USFS	
17060208	LOWER POVERTY X-S	444943	1154220	016	085	SW			1973				A		USFS	
17060208	DOLLAR CR X-S	444318	1154130	016	085	SW			1973				A		USFS	

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17060208	DIME CR X-S	444130	1154200	016	085	SW			1966				A		USFS	
17060208	CABIN CR X-S	444000	1154200	016	085	SW			1966				A		USFS	
17060208	SF PLUNGE X-S	443742	1154200	016	085	SW			1973				A		USFS	
17060208	FISH TRAP X-S	443600	1154054	016	085	SW			1973				A		USFS	
17060208	LOWER STOLLE X-S	443430	1154112	016	085	SW			1966				A		USFS	
17060208	UPPER STOLLE X-S	443430	1154112	016	085	SW			1966				A		USFS	
17060208	UPPER S F X-S	443012	1154248	016	085	SW			1973				A		USFS	
17060208	ELK CR #1	450906	1153442	016	085	SW			1976		B		B		USFS	
17060208	PONY CR #1	451130	1153306	016	085	SW			1976		B		B		USFS	
17060208	NORTH TWIN C WEIR	444635	1154110	016	085	SW			1974				A		USFS	
17060208	SF K CREEK	451244	1153521	016	049	SW			1971	1971			B		USFS	
17060208	TEAPOT #8	444512	1154500	016	085	SW			1975		B		B		USFS	
17060208	SF SALMON R AT GAGE	445908	1154333	016	085	SW			1973		B		B		USFS	
17060208	EF OF SOUTH FORK OF SALMON AT SF	450030	1154236	016	085	SW			1975		B		B		USFS	
17060208	SECESH R AB LICK CR	450342	1154512	016	085	SW			1975		B		B		USFS	
17060208	S FK SALMON RIVER NR KRASSEL RANGER STATION	445930	1154330	016	085	SW	330.00	004	1973		E			E	USGS	D
17060208	E FK OF S FK SALMON RIVER NR STIBNITE ID	445611	1152010	016	085	SW	42.50	124	1969		E			E	USGS	D
17060209	NORTH FORK SLATE CR	453825	1160710	016	049	SW			1974	1975	A				USFS	D
17060209	JOHN DAY AT GAGE	453430	1161400	016	049	SW			1973	1975	A				USFS	D
17060209	ALLISON CREEK	452510	1160950	016	049	SW			1974	1975	A				USFS	D
17060209	KELLY CR	452530	1160800	016	049	SW			1974	1975	A				USFS	D
17060209	FRENCH CR	452212	1160200	016	049	SW			1975		B		B		USFS	
17060209	S R AT FRENCH CR	452555	1160100	016	049	SW			1975		B				USFS	
17060209	SALMON R AT WHITE BIRD ID	454504	1161922	016	049	SW			1977		Y		Y		USFS	P
17060209	SALMON RIVER AT WHITEBIRD, IDAHO	454501	1161923	016	049	SW	13550.00	004	1965		H	H		H	USGS	D
17060210	RAPID RIVER AT GAGE	452102	1162352	016	049	SW			1972	1975	A				USFS	D
17060210	RAPID RIVER AB LAKE CREEK	451058	1162901	016	003	SW			1971	1972	Q				USFS	
17060210	LAKE CREEK	451104	1162906	016	003	SW			1971	1972	Q				USFS	
17060210	PARADISE CREEK	451329	1162653	016	003	SW			1971	1972	Q				USFS	
17060210	RAPID RIVER AB COPPER CREEK	451501	1162614	016	003	SW			1971	1972	Q				USFS	
17060210	CASTLE CREEK	451540	1162546	016	003	SW			1971	1972	Q				USFS	
17060210	RAPID R AB CASTLE CREEK	451540	1162549	016	003	SW			1971	1972	Q				USFS	
17060210	RAPID R BL CASTLE CREEK	451544	1162541	016	003	SW			1971	1972	Q				USFS	
17060302	SWIFTWATER CR	460651	1153426	016	049	SW			1975	1975	A				USFS	D

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17060302	ELK CITY CR	460620	1153357	016	049	SW			1975	1975	A				USFS	D
17060302	MEADOW CREEK AT GAGE	460150	1151639	016	049	SW			1972	1975	A				USFS	D
17060303	CAMP CREEK	462000	1153000	016	049	SW			1974	1974				R	USFS	D
17060303	FOUR BIT CREEK	461000	1153000	016	049	SW			1974	1974				R	USFS	D
17060303	LUNCH CREEK	461000	1153000	016	049	SW			1974	1974				R	USFS	D
17060303	RELASCOPE CREEK	462000	1153000	016	049	SW			1974	1974				R	USFS	D
17060303	WALDE CREEK	461000	1153000	016	049	SW			1974	1974				K	USFS	D
17060304	FAN CREEK	461000	1154000	016	049	SW			1974	1974				R	USFS	D
17060304	TROUT CREEK	461000	1154000	016	049	SW			1974	1974				R	USFS	D
17060304	POLAR CREEK	461000	1154000	016	049	SW			1974	1974				K	USFS	D
17060305	SCHOONER CREEK	454150	1152020	016	049	SW			1975	1975	A				USFS	D
17060305	TRAPPER CREEK AT GAGE	454012	1152010	016	049	SW			1972	1975	A				USFS	D
17060305	WEST FORK RED RIVER	453908	1152409	016	049	SW			1975	1975	A				USFS	D
17060305	SOUTH FORK RED RIVER	453903	1152406	016	049	SW			1975	1975	A				USFS	D
17060305	WATERGATE CREEK	454314	1151943	016	049	SW			1975	1975	A				USFS	D
17060305	DITCH CREEK	454452	1151745	016	049	SW			1975	1975	A				USFS	D
17060305	WEST FORK NEWSOME CR	455200	1153700	016	049	SW			1974	1975	A				USFS	D
17060305	MOOSE CREEK	454944	1153440	016	049	SW			1974	1975	A				USFS	D
17060305	LITTLE ELK AT GAGE	455345	1152949	016	049	SW			1972	1975	A				USFS	D
17060305	N FK CLEARWATER RIVER AT AHSAHKA ID	460316	1161910	016	035	SW	2440.00	004	1957	1979	2	E		2	USGS	D
17060306	NF CLEARWATER R AT AHSAHKA	463030	1161915	016	035	SW			1970		A				ID004	D
17060306	MIKE WHITE CREEK	462000	1154000	016	049	SW			1974	1974				R	USFS	D
17060306	BONAMI CREEK	465000	1163000	016	027	SW			1974	1974				K	USFS	D
17060306	DISALTO CREEK	465000	1163000	016	027	SW			1974	1974				K	USFS	D
17060306	SECUNDA CREEK	465000	1163000	016	027	SW			1974	1974				K	USFS	D
17060306	LAWYER CREEK NR NEZPERCE IDAHO	460948	1161424	016	049	SW	150.00	004	1972	1974	E			E	USGS	D
17060306	LAPWAI CREEK NR LAPWAI ID	462536	1164815	016	069	SW	235.00	024	1974		R			R	USGS	D
17060306	CLEARWATER RIVER AT SPALDING IDAHO	462655	1164935	016	069	SW	9570.00	004	1958		H	S		H	USGS	D
17060307	COUGAR CREEK	464000	1152000	016	035	SW			1974	1974				R	USFS	D
17060307	SHEEP MOUNTAIN CREEK	464000	1153000	016	035	SW			1974	1974				R	USFS	D
17060307	CAMP CREEK	464000	1153000	016	035	SW			1974	1974				R	USFS	D
17060307	WOLF CREEK	464000	1152000	016	035	SW			1974	1974				R	USFS	D
17060307	COOL CREEK	464000	1151000	016	035	SW			1974	1974				R	USFS	D
17060307	ICE CREEK	464000	1151000	016	049	SW			1974	1974				R	USFS	D

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17060308	NF CLEARWATER R AB AHSAHKA IDAHO	463300	1161700	016	035	SW			1966	1967	W				USGS	P
17070101	HOVER WASTEWAY NR KENNEWICK WA	460600	1185800	053	005	OT			1968	1971	M	M			USBR	
17070101	HIGHLANDS DRAIN NR KENNEWICK WA	461000	1190400	053	005	DR			1968	1973	M	M			USBR	
17070101	COLUMBIA RIVER AT MCNARY DAM,NEAR UMATILLA,O	455605	1191745	041	059	SW	214000.00	124	1960	1969	2			2	USGS	D
17070101	ALDER CR AT ALDERDALE, WASH.	455030	1195530	053	039	SW	197.00		1961	1966	2	A		2	USGS	D
17070101	ROCK CREEK NEAR ROOSEVELT, WA.	454455	1202604	053	039	SW	213.00	004	1961	1966	2	R		2	USGS	D
17070102	N F TOUCHET R AT PVT ROAD BRIDGE	461715	1175515	053	013	SW			1972	1979	M				USBR	C
17070102	TOUCHET R AT U S HIWAY 12 BRIDGE	460230	1184100	053	071	SW			1972	1979	M				USBR	C
17070102	SF TOUCHET R 2 MI S DAYTON	461700	1174800	053	013	SW			1975	1979	M				USBR	C
17070102	TOUCHET R 1 MI BELOW DAYTON	461726	1180240	053	013	SW			1975	1979	M				USBR	C
17070102	TOUCHET R RD XING 2MI E PRESCOTT	461730	1181730	053	071	SW			1973	1979	M				USBR	C
17070102	WALLA WALLA R AT MILTON-FREEWATER,OREG.	455525	1182240	053	059	SW	155.00	004	1962	1968	K	E		K	USGS	D
17070102	MILL CR BLW BLUE CR NR WALLA WALLA, WA.	460455	1181125	053	071	SW	91.00		1961	1967	2	A		2	USGS	D
17070102	YELLOWHAWK CR NR COLLEGE PLACE, WASH	460120	1182315	053	071	SW			1964	1968	E			E	USGS	D
17070102	TOUCHET RIVER AT BOLLES, WA.	461628	1181315	053	071	SW	361.00	004	1962	1975	Q				USGS	P
17070102	TOUCHET RIVER AT TOUCHET	460229	1184059	053	071	SW			1964		E			E	USGS	D
17070102	WALLA WALLA RIVER NEAR TOUCHET, WASH.	460215	1184555	053	071	SW	1657.00	123	1958	1971	2	E		2	USGS	D
17070102	WALLA WALLA R BL WARM SPR CR NR TOUCHET	460216	1184555	053	071	SW		123	1959		M				USGS	D
17070103	CORPORATION	454300	1181500	041	059	SW			1966		O	O			USFS	P
17070103	UMATILLA RIVER AB MEACHAM CR NR GIBBON,OREG.	454311	1181920	041	059	SW	131.00	004	1958		N	E		N	USGS	D
17070103	UMATILLA R NR UMATILLA OREG	455411	1191933	041	059	SW	2290.00	124	1960		2	R		2	USGS	D
17070103	BUTTER C AB HOG HOLLOW NR VINSON	452714	1190530	041	059	SW			1977		B				USSCS	P
17070104	WILLOW CREEK AT HEPPNER, OREG.	452102	1193256	041	049	SW	87.00	024	1963	1973	A	E		A	USGS	D
17070104	WILLOW CREEK NR ARLINGTON, OREG.	454512	1200035	041	049	SW	850.00	124	1961	1970	2	S		2	USGS	D
17070105	CASCADE SALMON HATCHERY OREG	453830	1215535	028	103	SW			1972	1975	M				DR005	D
17070105	RATTLESNAKE C 5.5 M CNTY RD BRDG	455045	1212445	053	039	SW			1975	1976	M				USBR	C
17070105	WF MAJOR CREEK MILE 3.5	454730	1212400	053	039	SW			1975		M				USBR	C
17070105	TROUT LAKE C IM E OF TROUT LAKE	455906	1213025	053	039	SW			1975	1976	M				USBR	C
17070105	WHITE SALMON R IM EAST TROUT LAKE	460002	1213025	053	039	SW			1975	1976	M				USBR	C
17070105	WHITE SALMON RIN NORTHWESTERN LK	454655	1213213	053	039	SW			1975	1976	M				USBR	C
17070106	WHITE SALMON R USGS GAGE AT HUSUM	454745	1212900	053	039	SW			1975	1976	M				USBR	C
17070106	KLICKITAT R BLW SODA SPR CR NR G	461258	1211604	053	077	SW			1973	1974	R				USEPA	D
17070106	BIG MUDDY CREEK NEAR GLENWOOD	460906	1211733	053	077	SW			1973	1974	R				USEPA	D
17070106	KLICKITAT R BLW SODA SPR CR NR GLENWOOD	461258	1211609	053	077	SW			1973	1974	R				USGS	D

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17070106	BIG MUDDY CR NR GLENWOOD	460906	1211733	053	077	SW	23.30	024	1973	1974	R				USGS	D
17070106	KLICKITAT R NR PITT	454524	1211232	053	039	SW	1297.00	024	1949		E	E		E	USGS	D
17070201	JOHN DAY RIVER AT PRAIRIE CITY, OREG.	442715	1184300	041	023	SW	231.00	004	1962	1967	H			H	USGS	D
17070201	SO FK JOHN DAY RIVER NR DAYVILLE,OREG.	442540	1193220	041	023	SW	590.00		1965	1967	H	A		H	USGS	D
17070201	JOHN DAY R AT PICTURE GORGE, NR DAYVILLE,ORE	443115	1193730	041	023	SW	1680.00	004	1965	1967	K	E		K	USGS	D
17070202	CAMAS CREEK NEAR UKIAH, OREG.	450925	1184910	041	059	SW	121.00	004	1965	1967	K			K	USGS	D
17070202	N FK JOHN DAY R AT MONUMENT, OREG.	444850	1192550	041	023	SW	2520.00	124	1962	1967	H	A		H	USGS	D
17070203	M FK JOHN DAY R AT RITTER, OREG.	445320	1190825	041	023	SW	515.00	004	1962	1967	K	E		K	USGS	D
17070204	JOHN DAY R AT MCDONALD FERRY,OREG.	453516	1202430	041	055	SW	7580.00	004	1961		2			2	USGS	D
17070206	N F FLATHEAD RIVER NEAR COLUMBIA FALLS, MT.	482944	1140736	030	029	SW	1548.00	004	1970		0	E		0	USGS	D
17070304	CROOKED RIVER AT POST, OREG.	440700	1201500	041	013	SW	2160.00	004	1958	1975	2			2	USGS	D
17070304	BEAR CREEK NEAR PRINEVILLE,OREG.	440340	1204354	041	013	SW	205.00		1974		0			0	USGS	D
17070304	CROOKED R NR PRINEVILLE, OREG.	440650	1204740	041	013	SW	2700.00	124	1957	1975	2			2	USGS	D
17070306	CAMPBELL CREEK NR WARMSPRINGS,OREG.	444253	1211332	041	031	SW			1973	1974	A			A	USGS	D
17070306	COYOTE CREEK NEAR SIMNASHO,OREG.	445708	1212340	041	031	SW			1973	1974	N			N	USGS	D
17070306	BEAVER CR NR SIMNASHO,OREG.	445708	1212340	041	065	SW			1973	1973	A			A	USGS	D
17070306	QUARTZ CREEK NEAR SIMNASHO,OREG.	445708	1212340	041	031	SW			1974	1974	A			A	USGS	D
17070306	WARM SPRINGS RIVER NR KAHNEETA HOT SPRINGS,O	445124	1210855	041	065	SW	526.00	024	1974	1974	A			A	USGS	D
17070306	DESCHUTES RIVER AT MOODY, NEAR BIGGS OREG	453720	1205405	041	055	SW	10500.00	124	1951		E	E		E	USGS	D
17080001	VANCOUVER WESTSIDE PRIMARY PLANT	453752	1224145	053	011	SW			1971	1972	E				USEPA	D
17080001	VANCOUVER EAST ACT SLDG PLT	453730	1224012	053	011	SW			1971	1972	P				USEPA	D
17080001	COUGAR CR AT S-10 <	453000	1220300	041	051	SW			1973	1978	H				USFS	D
17080001	DEER CR AT S-10 <	453000	1220300	041	051	SW			1973	1978	Q				USFS	D
17080001	NORTH FORK AT RM .1 ABV S10	453000	1220200	041	051	SW			1979		Q				USFS	D
17080001		453000	1220000	041	051	SW			1979		Q				USFS	D
17080001		453000	1215400	041	051	SW			1973	1978	K				USFS	D
17080001		453000	1215400	041	051	SW			1972	1978	K				USFS	D
17080001		453000	1215400	041	051	SW			1973	1978	N				USFS	D
17080001	COLUMBIA RIVER AT WARRENDALE,OREG.	453645	1220135	041	051	SW	240400.00	014	1966		M	N		M	USGS	D
17080001	BULL RUN R NR MULTNOMAH FALLS, OREG.	452950	1220050	041	051	SW	47.90	014	1971		0			0	USGS	D
17080001	FIR CREEK NEAR BRIGHTWOOD,OREG.	452826	1220136	041	051	SW	5.46		1976		0			0	USGS	D
17080001	NO FK BULL RUN R NEAR MULTNOMAH FALLS,OREG.	452940	1220205	041	051	SW	8.32	014	1978		N			N	USGS	D
17080001	COUGAR CREEK NEAR BULL RUN,OREG.	452928	1220340	041	051	SW	3.06		1978		N			N	USGS	D
17080001	CAMP CREEK NEAR BULL RUN,OREG.	452741	1220313	041	051	SW	3.27		1979	1980	N			N	USGS	D

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17080001	SOUTH FORK BULL RUN RIVER NEAR BULL RUN,OREG	452638	1220622	041	005	SW	15.40		1978		N			N	USGS	D
17080001	COLUMBIA RIVER AT VANCOUVER,WASH.	453730	1224030	053	011	SW	241000.00	013	1962		2			2	USGS	D
17080001	WILLAMETTE RM 11.3,DOWNSTREAM OF DREDGE,PORT	453211	1224044	041	051	SW			1978	1980	A	A			USGS	D
17080002	LEWIS RIVER AT ARIEL, WASH	455707	1223346	053	015	SW	731.00	014	1953		N	N			USGS	D
17080003	LONGVIEW EAST PRIMARY PLANT	460812	1225630	053	015	SW			1971	1972	R				USEPA	D
17080003	DRY CREEK NEAR COUGAR, WASH.	460717	1221934	053	015	SW	3.29		1968	1971	S			S	USGS	D
17080004	COWLITZ RIVER NR RANDLE, WASH.	462813	1220551	053	041	SW	1030.00	124	1968		R			R	USGS	D
17080005	COWLITZ RIVER BELOW MAYFIELD DAM, WASH.	463038	1223654	053	041	SW	1400.00	124	1950		Q				USGS	D
17080005	COWLITZ RIVER AT TOLEDO, WASH.	462619	1225035	053	041	SW	1461.00	004	1974		A				USGS	D
17080005	COWLITZ RIVER AT KELSO, WASH.	460844	1225447	053	015	SW	2349.00	124	1964		R	R			USGS	D
17080006	WATERWORKS CREEK NR SVENSEN OREGON SITE NO 1	460615	1233555	041	007	SW			1969	1975	R			R	USGS	D
17080006	WATERWORKS CREEK NR SVENSEN OREGON SITE NO 3	460655	1233725	041	007	SW			1969	1975	R			R	USGS	D
170876AF	PALOUSE RIVER NR POTLATCH ID	455455	1165700	016	057	SW	317.00	014	1972		A			A	USGS	D
17090003	BUTTE C AB SODOM C NR HALSEY OR	442848	1230410	041	043	SW			1977		B				USSCS	P
17090005	NO SANTIAM R BL BOULDER CR NR DETROIT,OREG.	444225	1220600	041	047	SW	216.00	004	1950	1979	N			N	USGS	D
17090005	BREITENBUSH R ABV CANYON CR NR DETROIT, OREG	444510	1220740	041	047	SW	106.00	004	1949	1979	N			N	USGS	D
17090005	LT NO SANTIAM R AB EVANS CR NR GATES,OREG.	444506	1222123	041	043	SW	53.10		1972	1979	R			R	USGS	D
17090006	SOUTH SANTIAM RIVER BELOW CASCADIA, OREG.	442335	1223035	041	043	SW	174.00	004	1961	1979	N			N	USGS	D
17090006	MIDDLE SANTIAM R NEAR CASCADIA,OREG.	443055	1222215	041	043	SW	104.00	004	1962	1979	N			N	USGS	D
17090007	RICKREALL C NR DALLAS AT GAGE	445450	1232320	041	053	SW			1972	1974	B				USBR	C
17090007		450600	1222700	041	005	SW			1972	1978	E				USFS	D
17090008	YAMHILL R AT DAYTON BOAT RP	451326	1230411	041	071	SW			1972	1974	B				USBR	C
17090008	WILLAMINA C NR WILLIAMINA	450835	1232935	041	071	SW			1972	1974	B				USBR	C
17090008	MILL CR NR WILLIAMINA AT GAGE	445815	1232655	041	053	SW			1972	1974	B				USBR	C
17090010	TUALATIN R AT CHY GR CNT RD BRDG	452643	1231317	041	067	SW			1972		B				USBR	C
17090010	GALES CR BALM GR CNT RD BRDG	453558	1231259	041	067	SW			1972	1975	B				USBR	C
17090010	W F DAIRY CR N BKS HWY 26 BRDG	453823	1230711	041	067	SW			1972	1974	B				USBR	C
17090010	E F DAIRY CR MTNDALE CNT RD BRDG	453800	1230220	041	067	SW			1972	1975	B				USBR	C
17090010	TUALATIN R CORNELIUS CNT RD BRDG	453008	1230317	041	067	SW			1972	1974	B				USBR	C
17090010	DAIRY CR HILLSBORO HWY 8 BRDG	453111	1230034	041	067	SW			1972		B				USBR	C
17090010	ROCK CR HILLSBORO CNT RD BRDG	452952	1225653	041	067	SW			1972		B				USBR	C
17090010	TUALATIN R FARMINGTN HARRIS BRDG	452658	1225658	041	067	SW			1972		B				USBR	C
17090010	TUALATIN R TUALATIN HWY 99W BRDG	452339	1224753	041	067	SW			1972		B				USBR	C
17090010	FANNO CR DURHAM CNT RD BRDG	452420	1224513	041	067	SW			1972		B				USBR	C

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17090010	TUALATIN R W LINN HWY 212 BRDG	452103	1224030	041	005	SW			1972		B				USBR	C
17090010	TUALATIN RIVER AT WEST LINN,OREG.	452103	1224030	041	005	SW	706.00	124	1962		N	N		N	USGS	D
17090011	BIG BOTTOM	450100	1215510	041	005	SW			1967	1971	O	O			USFS	P
17090012	KELLY CR ON KANE RD NR GRESHAM	453044	1222356	041	051	SW			1975	1975	A			A	USGS	D
17090012	WILLAMETTE RIVER AT PORTLAND,OREG.	453103	1224003	041	051	SW	11100.00	123	1974		E	E		E	USGS	D
17090012	WILLAMETTE RM 15.3 ,ROSS ISLAND LAGOON,PORTL	452858	1223942	041	051	SW			1978	1979	A	A			USGS	D
17090012	WILLAMETTE RM 15.1 ,ROSS ISLAND LAGOON,PORTL	452909	1223935	041	051	SW			1978	1979	A	A			USGS	D
17090012	WILLAMETTE RM 14.8 ,EAST CHANNEL,PORTLAND,OR	452923	1223918	041	051	SW			1978	1979	A	A			USGS	D
17090012	WILLAMETTE RM 14.7 ,ROSS IS.LAGOON OUTL.PORT	452925	1223927	041	051	SW			1978	1979	A	A			USGS	D
17090012	WILLAMETTE RM 14.3 ,EAST CHANNEL, PORTLAND,O	452949	1223938	041	051	SW			1978	1979	A	A			USGS	D
17090012	WILLAMETTE RM 11.8 ,UPSTREAM OF DREDGE,PORTL	453152	1224018	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 11.75,UPSTREAM OF DREDGE,PORTL	453154	1224020	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 11.75,UPSTREAM OF DREDGE,PORTL	453154	1224020	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 11.7 ,UPSTREAM OF DREDGE,PORTL	453156	1224022	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 11.7 ,UPSTREAM OF DREDGE,PORTL	453156	1224022	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 11.7 ,UPSTREAM OF DREDGE,PORTL	453156	1224022	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 11.25,DOWNSTREAM OF DREDGE,POR	453213	1224047	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 11.25,DOWNSTREAM OF DREDGE,POR	453213	1224047	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 11.25,DOWNSTREAM OF DREDGE,POR	453213	1224047	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 11.1 ,DOWNSTREAM OF DREDGE,POR	453218	1224055	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 11.1 ,DOWNSTREAM OF DREDGE,POR	453218	1224055	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 11.1 ,DOWNSTREAM OF DREDGE,POR	453218	1224055	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 11.0 ,DOWNSTREAM OF DREDGE,POR	453222	1224100	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 11.0 ,DOWNSTREAM OF DREDGE,POR	453222	1224100	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 11.0 ,DOWNSTREAM OF DREDGE,POR	453222	1224100	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 10.9 ,DOWNSTREAM OF DREDGE,POR	453225	1224105	041	051	SW			1978	1980	A	A			USGS	D
17090012	WILLAMETTE RM 10.9 ,DOWNSTREAM OF DREDGE,POR	453225	1224105	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 10.9 ,DOWNSTREAM OF DREDGE,POR	453225	1224105	041	051	SW			1978	1980	A				USGS	D
17090012	WILLAMETTE RM 10.7 ,DOWNSTREAM OF DREDGE,POR	453233	1224115	041	051	SW			1978	1980	A	A			USGS	D
17100101	DICKEY R AB COLBY CR NR LA PUSH, WASH.	475724	1243332	053	009	SW	86.30		1975	1978	R			R	USGS	D
17100102	N.F. QUINAULT RIVER NEAR AMANDA PARK, WASH.	473546	1233723	053	031	SW	74.10	004	1959		R			R	USGS	D
17100102	QUEETS RIVER NEAR CLEARWATER, WASH.	473220	1241850	053	031	SW	445.00	004	1978		H	H		R	USGS	D
17100103	CHEHALIS SECONDARY PLANT	463942	1225748	053	041	SW			1971	1972	E				USEPA	D
17100103	SOUTH FORK CHEHALIS R AT BOISTFORT, WASH.	463245	1230755	053	041	SW	48.00	024	1965	1965	A				USGS	P

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17100103	NEWAUKUM RIVER NR CHEHALIS, WASH.	463713	1225638	053	041	SW	155.00	014	1960	1975	X				USGS	P
17100103	SKOOKUMCHUCK RIVER NEAR BUCODA, WASH.	464620	1225523	053	067	SW	112.00	014	1967	1975	2			2	USGS	D
17100103	HANAFORD CR NR BUCODA, WASH	464544	1225347	053	041	SW			1975	1975	W				USGS	D
17100103	CHEHALIS RIVER AT PORTER, WASH.	465617	1231845	053	027	SW	1294.00		1958		2			2	USGS	D
17100104	CLOQUALLUM RIVER AT ELMA, WASH.	470017	1232311	053	027	SW	64.90	014	1961		E			E	USGS	D
17100104	SATSOP RIVER NEAR SATSOP, WASH.	470007	1232937	053	027	SW	299.00	004	1960		E			E	USGS	D
17100104	WYNOOCHEE RIVER NEAR GRISDALE, WASH.	472305	1233620	053	027	SW	41.30	014	1966	1975	2			2	USGS	D
17100105	NORTH RIVER ABOVE JOE CR, NR RAYMOND, WASH.	465140	1234400	053	049	SW			1963	1975	2			2	USGS	D
17100106	WILLAPA RIVER NEAR WILLAPA, WASH.	463900	1233910	053	049	SW	130.00	004	1965		K	K			USGS	D
17100201	NECANICUM R AB HWY 101 B NR SEASD	455711	1235530	041	007	SW			1977		B				USSCS	P
17100202	NEHALEM RIVER NEAR FOSS, OREG.	454215	1234515	041	057	SW	667.00	004	1973		E	E		E	USGS	D
17100203	WILSON RIVER NEAR TILLAMOOK, OREG.	452835	1234320	041	057	SW	161.00	004	1960	1973	A			A	USGS	D
17100204	SALMON RIVER NEAR OTIS,OREG.	450125	1235643	041	041	SW			1972	1974	E			E	USGS	D
17100204	DRIFT CREEK NEAR CUTLER CITY,OREG.	445500	1235845	041	041	SW			1972	1974	E			E	USGS	D
17100204	SILETZ RIVER AT SILETZ, OREG.	444255	1235310	041	041	SW	202.00	004	1972		A			A	USGS	D
17100204	EUCHRE CREEK NEAR SILETZ,OREG.	444650	1235420	041	041	SW	13.40	004	1972	1974	E			E	USGS	D
17100204	MOLOCK CREEK NEAR BEVERLY BEACH,OREG.	444205	1240330	041	041	SW			1972	1974	E			E	USGS	D
17100204	YAQUINA RIVER NEAR CHITWOOD,OREG.	443929	1235015	041	041	SW	71.00		1971	1975	2	B		2	USGS	D
17100204	ELK CREEK NEAR ELK CITY,OREG.	443620	1235101	041	041	SW			1972	1974	E			E	USGS	D
17100205	DEER C I	443200	1235200	041	041	SW			1962	1967	W				OR001	C
17100205	DEER C VI	443200	1235200	041	041	SW			1964	1967	W				OR001	C
17100205	THEIL CREEK NEAR SOUTH BEACH,OREG.	443350	1240410	041	041	SW			1972	1974	E			E	USGS	D
17100205	BEAVER CREEK NEAR ONA,OREG.	443036	1240040	041	041	SW			1972	1974	E			E	USGS	D
17100205	ALSEA RIVER NEAR TIDEWATER, OREG.	442310	1234950	041	041	SW	334.00		1971		2	A		2	USGS	D
17100205	NEEDLE BRANCH NEAR SALADO,OREG.	443035	1235120	041	041	SW	.27		1957	1967	2	K		2	USGS	D
17100205	FLYNN CREEK NEAR SALADO,OREG.	443220	1235105	041	041	SW	.78	004	1957	1967	2	A		2	USGS	D
17100205	DEER CREEK NEAR SALADO,OREG.	443205	1235235	041	041	SW	1.17	004	1957	1967	2	A		2	USGS	D
17100205	DRIFT CREEK NEAR WALDPORT,OREG.	442744	1235742	041	041	SW			1972	1974	E			E	USGS	D
17100205	YACHATS RIVER NEAR YACHATS,OREG.	441755	1240325	041	041	SW			1972	1974	E			E	USGS	D
17100206	DEPOT CREEK NEAR TOLEDO,OREG.	440913	1235705	041	041	SW			1972	1974	E			E	USGS	D
17100206	SIUSLAW R NR MAPLETON, OREG.	440345	1235255	041	039	SW	588.00	004	1966		2			2	USGS	D
17100301	STEAMBOAT CREEK NEAR GLIDE,OREG.	432100	1224340	041	019	SW	227.00	004	1968	1973	A			A	USGS	D
17100301	NORTH UMPQUA R. AT WINCHESTER, OREG.	431620	1232440	041	019	SW	1344.00	124	1967		K			K	USGS	D
17100302	SOUTH UMPQUA RIVER AT TILLER, OREG.	425550	1225650	041	019	SW	449.00	004	1967	1971	E			E	USGS	D

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17100302	COW CREEK NEAR AZALEA, OREG.	424930	1231040	041	019	SW	78.00	004	1967	1969	A			A	USGS	D
17100302	COW CREEK NEAR RIDDLE, OREG.	425525	1232540	041	019	SW	456.00	004	1967		A			A	USGS	D
17100302	OLALLA CREEK NEAR TENMILE, OREG.	430220	1233235	041	019	SW	61.30	004	1969	1973	A			A	USGS	D
17100302	LOOKINGGLASS CREEK AT BROCKWAY,OREG.	430750	1232750	041	019	SW	158.00	004	1968	1973	N			N	USGS	D
17100302	SOUTH UMPQUA RIVER NEAR BROCKWAY, OREG.	430800	1232350	041	019	SW	1670.00	004	1967		K			K	USGS	D
17100303	CALAPOOYA CREEK NEAR OAKLAND,OREG.	432410	1232145	041	019	SW	210.00	024	1969	1973	K			K	USGS	D
17100303	UMPQUA RIVER NEAR ELKTON, OREG.	433510	1233315	041	019	SW	3683.00	124	1965		K	S		K	USGS	D
17100303	ELK CREEK NEAR DRAIN, OREG.	433830	1231750	041	019	SW	104.00	024	1967	1973	N			N	USGS	D
17100306	SIXES RIVER AT SIXES, OREG.	424905	1242900	041	015	SW	116.00	004	1966	1975	2			2	USGS	D
17100306	ELK RIVER NEAR SIXES,OREG.	424745	1242920	041	015	SW	86.10	004	1967	1970	Q			Q	USGS	D
17100307	ROGUE RIVER BL PROSPECT, OREG.	424350	1223055	041	029	SW	379.00	004	1967	1979	O			O	USGS	D
17100307	S FK ROGUE R SOUTH OF PROSPECT, OREG.	424245	1223020	041	029	SW	246.00	124	1967	1979	O			O	USGS	D
17100307	ROGUE RIVER AT MCLEOD,OREG.	423935	1224130	041	029	SW	697.00	014	1972	1979	O			O	USGS	D
17100307	BIG BUTTE CREEK NEAR MCLEOD,OREG.	423905	1224125	041	029	SW	245.00	124	1969	1979	Q	A		Q	USGS	D
17100307	ELK CREEK NEAR TRAIL, OREG.	423950	1224450	041	029	SW	133.00	004	1972	1979	Q	A		Q	USGS	D
17100307	ROGUE R AT DODGE BR NR EAGLE POINT,OREG.	423130	1225030	041	029	SW	1215.00	124	1972	1979	K	A		K	USGS	D
17100308	LOWER EAST FORK ASHLAND CREEK	420908	1224240	041	029	SW			1971	1975	E				USFS	D
17100308	LOWER WEST FORK ASHLAND CREEK	420904	1224249	041	029	SW			1971	1975	E				USFS	D
17100308	ASHLAND CREEK FILTER PLANT	421000	1224256	041	029	SW			1973	1975	E				USFS	D
17100310	JUMP OFF JOE C NR MERLIN OR	423400	1232100	041	033	SW			1977		Y				USBR	P
17100310	ROGUE RIVER NEAR AGNESS,OREG.	423450	1240330	041	015	SW	3939.00	124	1959		M				USGS	D
17110002	SKAGIT R NR MT VERNON WA	482640	1222025	053	057	SW			1977		O	M			USSCS	
17110004	GALLOP CR NR GLACIER, WASH	485042	1215706	053	073	SW			1976	1976	N			N	USGS	D
17110004	GALLOP CR ABV MOUTH NR GLACIER WASH	485158	1215658	053	073	SW			1976	1976	A			A	USGS	D
17110004	GALLOP CR NR MOUTH AT GLACIER, WASH	485306	1215639	053	073	SW			1975	1976	M			H	USGS	D
17110004	CORNELL CREEK AT GLACIER WASH	485315	1215733	053	073	SW			1976	1976	A			A	USGS	D
17110004	VAN ZANDT PORTAL NR VAN ZANDT, WASH	484721	1221354	053	073	SW			1976	1976	A				USGS	D
17110004	STREAM ABV VAN ZANDT MINE NR VAN ZANDT, WASH	484721	1221354	053	073	SW			1976	1976	A				USGS	D
17110006	SAUK R NR SAUK WA	482515	1213400	053		SW			1977		O	M			USSCS	
17110007	SKAGIT RIVER NEAR MOUNT VERNON, WASH.	483045	1222025	053	057	SW	3093.00	014	1959		E	E		E	USGS	D
17110007	COKEDALE MINE NR SEDRO WOOLLEY, WASH	483235	1220954	053	057	SW			1976	1976	A				USGS	D
17110007	SKAGIT R NR CONCRETE WA	483128	1214611	053	057	SW			1976		O	M			USSCS	
17110008	NF STILLAGUAMISH R NR ARLINGTON	481605	1220045	053	061	SW			1977		O	M			USSCS	D
17110009	SF STILLAGUAMISH R NR GRANITE FALS	480610	1215705	053	061	SW			1977		O	M			USSCS	D

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17110009	SKYKOMISH RIVER AT MONROE, WA.	475108	1215729	053	061	SW	834.00	004	1965		2			2	USGS	D
17110010	SNOQUALMIE RIVER NEAR CARNATION, WASH.	473958	1215527	053	033	SW	603.00	123	1965		2			2	USGS	D
17110011	SNOHOMISH RIVER NEAR MONROE, WASH.	474952	1220250	053	061	SW	1537.00	123	1974		A	A		A	USGS	D
17110011	SNOHOMISH R AT SNOHOMISH	475445	1220630	053	061	SW			1976		E	E		E	USGS	D
17110011	SNOHOMISH R AT US HWY 2 AT EVERETT, WASH.	475843	1221057	053	061	SW			1974	1976	A	A		A	USGS	D
17110012	MAY CREEK NEAR ISSAQUAH WASH	472953	1220553	053	033	SW	2.82		1978		N			N	USGS	D
17110012	MAY CREEK AT RENTON WASH	473102	1220855	053	033	SW	7.57		1978		X			X	USGS	D
17110012	HONEY CREEK NEAR RENTON WASH	473048	1221041	053	033	SW	.70		1978		K			K	USGS	D
17110012	MAY CREEK AT MOUTH, NEAR RENTON, WASH.	473148	1221200	053	033	SW	12.70	023	1978		K			K	USGS	D
17110012	SWAMP C AT KENMORE WA	474522	1221357	053	033	SW			1977		O	M			USSCS	
17110012	MC ALEER C AT LK FOREST PARK WA	474507	1221648	053	033	SW			1977		O	M			USSCS	
17110012	LYON C AT LAKE FOREST PARK WA	474511	1221635	053	033	SW			1977		O	M			USSCS	
17110012	JUANITA C AT KIRKLAND WA	474228	1221242	053	033	SW			1977		O	M			USSCS	
17110012	MAY C AT MOUTH NR RENTON WA	473150	1221200	053	033	SW			1977		O	M			USSCS	
17110012	THORNTON C NR SEATTLE WA	474145	1221630	053	033	SW			1977		O	M			USSCS	
17110012	CEDAR RIVER	472900	1221300	053	033	SW			1969		M				WA006	
17110012	SAMMAMISH RIVER	474500	1221500	053	033	SW			1969		M				WA006	
17110012	THORNTON CREEK	474100	1221700	053	033	SW			1970		M				WA006	
17110012	LANDER ST REGULATOR	473448	1222029	053	033	DR			1972	1973	M				WA011	D
17110013	UPPER GREEN RIVER II	471200	1212200	053	033	SW			1966		O	O			USFS	P
17110013	WHITE RIVER FLUME NR BUCKLEY WASH	471012	1220018	053	053	SW			1970	1975	2			2	USGS	D
17110013	GREEN RIVER NEAR AUBURN, WASH.	471805	1221025	053	033	SW	399.00	124	1951		6			6	USGS	D
17110013	GREEN RIVER AT TUKWILA, WASH.	472755	1221450	053	033	SW	440.00	123	1962	1970	2	E		2	USGS	D
17110014	PUYALLUP RIVER NEAR ORTING, WASH.	470222	1221224	053	053	SW	172.00	124	1953	1975	6			6	USGS	D
17110014	WHITE R BL CLEARWATER R NR BUCKLEY WASH	470849	1215132	053	033	SW	375.00	004	1974		W	G		W	USGS	D
17110014	WHITE RIVER NEAR BUCKLEY, WASH.	470905	1215655	053	033	SW	401.00	014	1953	1975	2			2	USGS	D
17110014	PUYALLUP RIVER AT PUYALLUP, WASH.	471252	1222025	053	053	SW	948.00	124	1953		6			6	USGS	D
17110014	FY76 REESTABLISH OWDC 51937	471231	1221933	053	053	SW			1977		M	M	M		USGS	P
17110014	PUYALLUP R AT PUYALLUP	471230	1221930	053	053	SW			1977		O	M			USSCS	D
17110018	BIG BEEF C FISH RESEARCH STATION	473900	1224700	053	035	SW			1966		E				WA004	
17110019	WHITE RIVER NEAR BENZIA	335955	0910930	005	041	SW			1965	1966	E	E			USEPA	D
17110019	CONNECTICUT ST REGULATOR	473536	1222007	053	033	DR			1972	1973	M				WA011	D
17110020	ELWHA RIVER AT MCDONALD BR NR PRT ANGELES, W	480318	1233455	053	009	SW	269.00		1974		E	E		E	USGS	D
17120002	SILVIES R NR BURNS OR	434255	1191035	041	025	SW			1976		M	M	M		USGS	

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
17120003	DONNER UND BLITZEN RIVER NR FRENCHGLEN,OREG.	424728	1185200	041	025	SW	200.00		1974		E	E		E	USGS	D

CALIFORNIA REGION 18

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
18 71 L	FY76 CHANGE OPERATION OWDC51450 TO			006	087	SW			1952	1975	A	A	K	A	USGS	D
18007100	FY76 CHANGE OPERATION OWDC61627 TO			006	053	SW			1977		M	M	M		USGS	P
18007100	FY76 CHANGE OPERATION OWDC69825 TO			006	083	SW			1977		O	M	M		USGS	P
18007200	FY76 CHANGE OPERATION OWDC51658 TO			006	023	SW			1977		O	M	M		USGS	P
18007300	FY76 CHANGE OPERATION OWDC51680 TO			006	015	SW			1977		M	M	M		USGS	P
18010101	GRIFFIN CREEK 1	415525	1234540	006	015	SW		004	1974	1974	F				CA011	P
18010101	GRIFFIN CREEK 2	415725	1234440	006	015	SW		004	1974	1975	F				CA011	P
18010101	M F SMITH R AT KNOPTI CR	415550	1234400	006	015	SW		004	1974	1975	F				CA011	P
18010101	MIDDLE FORK SMITH RIVER 1	415045	1235520	006	015	SW		004	1974	1975	F				CA011	P
18010101	M F SMITH RIVER 2	415140	1235220	006	015	SW		004	1974	1974	F				CA011	P
18010101	M F SMITH RIVER 3	415305	1234820	006	015	SW		004	1974	1975	F				CA011	P
18010101	UNNAMED CR 1 EMPTYING INTO GRIFFIN C	415545	1234542	006	015	SW		004	1974	1975	F				CA011	P
18010101	UNNAMED CR 2 EMPTYING INTO GRIFFIN C	415650	1234450	006	015	SW		004	1974	1975	F				CA011	P
18010101	HIGH PRAIRE CR STATION 3	413730	1240320	006	015	SW		004	1976				A		CA112	P
18010101	HIGH PRAIRIE CR STATION 4	413720	1240325	006	015	SW		004	1976				A		CA112	P
18010101	HIGH PRAIRIE CR STATION 5	413705	1240400	006	015	SW		004	1976				A		CA112	P
18010101	SF SMITH R NR CRESCENT CITY CALIF	414730	1240130	006	015	SW	291.00	004	1977		O	M	Q	O	USGS	D
18010101	SMITH RIVER NEAR CRESCENT CITY, CALIF.	414722	1240314	006	015	SW	609.00	004	1951		O	M	Q	O	USGS	D
18010101	WB MILL C NR CRESCENT CITY, CALIF.	414205	1240543	006	015	SW	6.46		1970	1975	A	A			USGS	D
18010101	WB MILL C BL R A CMPGRND NR CRESCENT CITY CA	414211	1240604	006	015	SW	6.90	004	1974	1975	K	A	A	K	USGS	D
18010101	WB MILL C AT BR NR CRESCENT CITY CALIF	414350	1240616	006	015	SW	10.80	004	1974	1975	A	A	A	A	USGS	D
18010101	EF MILL C NR CRESCENT CITY CALIF	414351	1240520	006	015	SW	16.10	004	1974	1975	A			A	USGS	D
18010101	EF MILL C AT BR NR CRESCENT CITY CALIF	414356	1240541	006	015	SW	16.70	004	1974	1975	A	A	A	A	USGS	D
18010101	MILL C NR CRESCENT CITY CALIF	414432	1240606	006	015	SW	28.60	004	1973		H	R	R	Q	USGS	D
18010101	MILL C AT BR NR CRESCENT CITY CALIF	414628	1240554	006	015	SW	35.10	004	1974	1975	A	A	A	A	USGS	D
18010101	MILL C AT MO NR CRESCENT CITY CALIF	414729	1240501	006	015	SW	37.00	004	1974	1975	E			E	USGS	D
18010102	WIER CR ARCATA REDWOOD	411300	1235832	006	023	SW		004	1977					Z	CA112	P
18010102	WIER CR ARCATA REDWOOD	411305	1235830	006	023	SW		004	1977					Z	CA112	P
18010102	MAD R NR FOREST GLEN CALIF	402730	1233035	006	105	SW	143.00	014	1957		Q	A		Q	USGS	D
18010102	MAD RIVER NEAR KNEELAND CALIF	404550	1235320	006	023	SW	351.00	014	1964		A	A	N	A	USGS	D
18010102	MAD R NR BLUE LAKE CALIF	405047	1235854	006	023	SW	393.00	014	1971		A	A	A	A	USGS	D
18010102	NF MAD R NR KORBEL CALIF	405311	1235626	006	023	SW	40.40	004	1972	1974	Q	A	A	Q	USGS	D
18010102	MAD RIVER NR ARCATA CALIF	405435	1240335	006	023	SW	485.00	014	1957		2	E	E	2	USGS	D
18010102	REDWOOD C NR BLUE LAKE CALIF	405422	1234851	006	023	SW	67.70	004	1971		O	A	A	O	USGS	D

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18010102	REDWOOD C AT R V BR NR BLUE LK CALIF	405748	1235020	006	023	SW	95.90	004	1973	1975	K	A	A	R	USGS	D
18010102	LACKS C NR ORICK CALIF	410339	1235157	006	023	SW	17.00	004	1974		O	A		O	USGS	D
18010102	REDWOOD C AB PANTHR C NR ORICK CALIF	410521	1235423	006	023	SW	150.00	004	1973	1975	R	R	A	R	USGS	D
18010102	HIGH-SLOPE SCHIST C NR ORICK CALIF	410725	1235651	006	023	SW	.53	004	1973	1975	K	A		K	USGS	D
18010102	COPPER C NR ORICK CALIF	410858	1235553	006	023	SW	2.78	004	1973	1975	N	A	E	N	USGS	D
18010102	SLIDE C NR ORICK CALIF	411019	1235649	006	023	SW	1.16	004	1973	1975	K	K	E	N	USGS	D
18010102	REDWOOD C AT SPB NR ORICK CALIF	411019	1235655	006	023	SW	185.00	004	1970		E	E	E	E	USGS	D
18010102	BRIDGE C NR ORICK CALIF	411132	1235852	006	023	SW	11.60	004	1973		E	E	E	E	USGS	D
18010102	REDWOOD C AB HRY WR C NR ORICK CALIF	411150	1235930	006	023	SW	202.00	004	1973		R	A	A	A	USGS	D
18010102	HARRY WIER CK NR ORICK CA	411153	1235932	006	023	SW	2.96	004	1970		E	E	E	E	USGS	D
18010102	TOM MC DONALD C NR ORICK CALIF	411216	1240053	006	023	SW	6.86	004	1973		E	E	E	E	USGS	D
18010102	FORTYFOUR C NR ORICK CALIF	411315	1240044	006	023	SW	3.09	004	1973	1975	R	R	A	A	USGS	D
18010102	MILLER C NR ORICK CALIF	411354	1235930	006	023	SW	.67	004	1972		E	E	E	E	USGS	D
18010102	MILLER C AT MOUTH NR ORICK CALIF	411346	1240036	006	023	SW	1.36	004	1973		E	E	E	E	USGS	D
18010102	REDWOOD CREEK NEAR ORICK CALIF	411346	1240038	006	023	SW	218.00	004	1976			A			USGS	D
18010102	BOND C NR ORICK, CA	411402	1240114	006	023	SW	1.37	004	1973	1975	R	N		A	USGS	D
18010102	CLOQUFT C NR ORICK, CA	411442	1240037	006	023	SW	1.14	004	1973	1975	K	R		A	USGS	D
18010102	OSCAR LARSON C NR ORICK CALIF	411523	1240030	006	023	SW	.69	004	1974	1975	K	R		K	USGS	D
18010102	GANS SOUTH C NR ORICK CALIF	411546	1240049	006	023	SW	.52	004	1975	1975	K	R		K	USGS	D
18010102	ELAM C NR ORICK, CA	411549	1240129	006	023	SW	2.49	004	1973	1975	K	R		S	USGS	D
18010102	GANS WEST C NR ORICK CALIF	411630	1240132	006	023	SW	.27	004	1975	1975	K	R		K	USGS	D
18010102	MC ARTHUR C NR ORICK CALIF	411631	1240142	006	023	SW	3.73	004	1973	1975	K	R		N	USGS	D
18010102	LOW-SLOPE SCHIST C NR ORICK CALIF	411653	1240149	006	023	SW	.19	004	1973		N	A		N	USGS	D
18010102	HAYES C NR ORICK CALIF	411724	1240136	006	023	SW	.58	004	1973		E	E	E	E	USGS	D
18010102	LOST MAN C NR ORICK CALIF	411906	1235915	006	023	SW	3.97	004	1973		E	E	E	E	USGS	D
18010102	LOST MAN C TR NR ORICK CALIF	411920	1235952	006	023	SW	.44	004	1974		E	E		E	USGS	D
18010102	LARRY DAMM C NR ORICK CALIF	411946	1240046	006	023	SW	1.87	004	1973	1975	Q	N	E	Q	USGS	D
18010102	LITTLE LOST MAN C AT SITE NO 2 NR ORICK CALI	411920	1240110	006	023	SW	3.46	004	1974		E	E	E	E	USGS	D
18010102	LITTLE LOST MAN C NR ORICK CALIF	411942	1240129	006	023	SW	3.64	004	1973	1975	A	A	E	E	USGS	D
18010102	GENEVA C NR ORICK CALIF	411936	1240153	006	023	SW	.08	004	1973	1975	K	R	E	K	USGS	D
18010102	BERRY GLENN C NR ORICK CA	411859	1240217	006	023	SW	.40	004	1974	1975	R	R	E		USGS	D
18010102	REDWOOD CREEK AT ORICK CALIF	411718	1240327	006	023	SW	278.00	004	1955		O	E	E	O	USGS	D
18010102	REDWOOD C TR AB M75 RD CULVERT 21 NR ORICK C	411001	1235737	006	023	SW			1974	1975	A	E			USGS	D
18010102	REDWOOD C TR AT M75 RD CULVERT 21 NR ORICK C	411007	1235724	006	023	SW			1974	1975	A	A		E	USGS	D

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18010102	REDWOOD C TR BL M75 RD CULVERT 21 NR ORICK C	411014	1235710	006	023	SW			1974	1975	A	A			USGS	D
18010102	REDWOOD C TR AT M75 RD CULVERT 20 NR ORICK C	411014	1235734	006	023	SW			1974	1975	A	A		E	USGS	D
18010102	REDWOOD C TR BL M75 RD CULVERT 20 NR ORICK C	411021	1235725	006	023	SW			1974	1975	A	A			USGS	D
18010103	EEL R BL SCOTT DAM NR POTTER VALLEY CALIF	392429	1225813	006	033	SW	290.00		1962		E	E		E	USGS	D
18010103	POTTER VALLEY POWERHOUSE TR NR POTTER VALLEY	392142	1230738	006	045	SW			1960		2	A		2	USGS	D
18010103	EEL R NR DOS RIOS CALIF	393730	1232025	006	045	SW	528.00	124	1958		2	E	E	2	USGS	D
18010103	OUTLET CREEK NR LONGVALE, CA.	393705	1232120	006	045	SW	161.00	004	1960	1970	2	A		2	USGS	D
18010103	EEL R ABOVE DOS RIOS CALIF	394120	1232130	006	045	SW	705.00	124	1956		3	E	E	2	USGS	D
18010103	FORBES CR NR LAKEPORT CA	392010	1225600	006	033	SW			1977		B				USSCS	P
18010104	MF EEL R AB BLACK BUTTE R NR COVELO CALIF	394945	1230411	006	045	SW	204.00	004	1965		2	A		2	USGS	D
18010104	BLACK BUTTE R NR COVELO CALIF	394915	1230450	006	045	SW	162.00	004	1963		2	K		2	USGS	D
18010104	MF EEL R BL BLACK BUTTE R NR COVELO CALIF	394935	1230530	006	045	SW	367.00	004	1960		2	N		2	USGS	D
18010104	WILLIAMS C NR COVELO CALIF	394930	1230825	006	045	SW	30.40	004	1961	1969	H	A		H	USGS	D
18010104	SHORT C NR COVELO CALIF	394950	1231056	006	045	SW	15.20	004	1961	1964	M	A			USGS	P
18010104	MILL CREEK NEAR COVELO, CALIF.	394457	1231048	006	045	SW	95.60	004	1964	1970	N	A		N	USGS	D
18010104	ELK CREEK NEAR HEARST CALIF	393857	1230712	006	045	SW	84.10	004	1963	1973	K	A		K	USGS	D
18010104	MIDDLE FORK EEL R NR DOS RIOS CALIF	394223	1231927	006	045	SW	745.00	004	1956		2	N	R	2	USGS	D
18010105	EEL R BL DOS RIOS CALIF	394415	1232215	006	045	SW	1484.00	124	1956	1966	R	A		R	USGS	D
18010105	HULLS C NR COVELO CALIF	395450	1231455	006	045	SW	25.90	004	1961	1964	M				USGS	P
18010105	NORTH FORK EEL RIVER NR MINA, CALIF.	395618	1232036	006	045	SW	248.00	004	1965		2	A	K	2	USGS	D
18010105	CHAMISE CREEK NEAR ISLAND MOUNTAIN, CALIF.	400214	1233310	006	023	SW	22.60	004	1971	1975	2	R	A	2	USGS	D
18010105	EEL R AT FORT SEWARD CALIF	401306	1233753	006	023	SW	2107.00	124	1959		2	N	R	2	USGS	D
18010105	DOBBYN CREEK NEAR FORT SEWARD, CALIF.	401414	1233805	006	023	SW	61.40	004	1971		0	R	A	0	USGS	D
18010105	EEL RIVER AT SCOTIA CALIF	402930	1240555	006	023	SW	3113.00	124	1951		0	N	E	0	USGS	D
18010105	VAN DUZEN RIVER NR BRIDGEVILLE CALIF	402850	1235323	006	023	SW	222.00	024	1955		E	E		E	USGS	D
18010106	STANDLEY CR STATION 1	395600	1235005	006	045	SW		004	1976				A		CA112	P
18010106	STANDLEY CR STATION 2	395622	1234957	006	045	SW		004	1976				A		CA112	P
18010106	STANDLEY CR STATION 3	395633	1234954	006	045	SW		004	1976				A		CA112	P
18010106	STANDLEY CR STATION 4	395655	1234955	006	045	SW		004	1976				A		CA112	P
18010106	STANDLEY CR STATION 5	395705	1234945	006	045	SW		004	1976				A		CA112	P
18010106	STANDLEY CR STATION 6	395715	1234852	006	045	SW		004	1976				A		CA112	P
18010106	STANDLEY CR STATION 7	395730	1234850	006	045	SW		004	1976				A		CA112	P
18010106	GEORGIA PACIFIC STANDLEY CR 6	395720	1234850	006	045	SW		004	1977					Z	CA112	P
18010106	GEORGIA PACIFIC STANDLEY CR 1	395455	1235005	006	045	SW		004	1977					Z	CA112	P

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18010106	GEORGIA PACIFIC STANDLEY CR 2	395630	1234955	006	045	SW		004	1977					Z	CA112	P
18010106	GEORGIA PACIFIC STANDLEY CR 3	395635	1234953	006	045	SW		004	1977					Z	CA112	P
18010106	GEORGIA PACIFIC STANDLEY CR 4	395700	1234950	006	045	SW		004	1977					Z	CA112	P
18010106	GEORGIA PACIFIC STANDLEY CR 5	395710	1234948	006	045	SW		004	1977					Z	CA112	P
18010106	GEORGIA PACIFIC STANDLEY CR 7	395725	1234850	006	045	SW		004	1977					Z	CA112	P
18010106	SOUTH FORK EEL RIVER NR BRANSCOMB CALIF	394309	1233906	006	045	SW	43.90	004	1957		2	A		2	USGS	D
18010106	ELDER CREEK NEAR BRANSCOMB CALIF	394347	1233834	006	045	SW	6.50	004	1966		2	E	E	2	USGS	D
18010106	SF EEL RIVER NR MIRANDA CALIF	401055	1234630	006	023	SW	537.00	014	1951		M				USGS	D
18010106	BULL CREEK NEAR WEOTT, CALIF.	402105	1240010	006	023	SW	28.10	004	1974	1978	D	X	A	D	USGS	D
18010107	HONEYDEW C AT HONEYDEW CALIF	401323	1240635	006	023	SW	14.90	004	1973		R			R	USGS	D
18010110	ASH CREEK	385110	1230140	006	045	SW		004	1974	1975	F				CA011	P
18010110	DOOLEY CREEK	385825	1230600	006	045	SW		004	1974	1975	M				CA011	P
18010110	FELIZ CREEK	385810	1230700	006	045	SW		004	1974	1975	M				CA011	P
18010110	PIETA CREEK	385530	1230320	006	045	SW		004	1974	1975	F				CA011	P
18010110	POTTER VALLEY POWERHOUSE TAILRCE NR POTTER V	392142	1230738	006	045	OT		124	1953		E	E			CA065	D
18010110	REDWOOD LOG CR STATION 1A	384010	1230400	006	097	SW		004	1976				A		CA112	P
18010110	REDWOOD LOG CR STATION 1B	384000	1230400	006	097	SW		004	1976				A		CA112	P
18010110	REDWOOD LOG CR STATION 2	383950	1230350	006	097	SW		004	1976				A		CA112	P
18010110	REDWOOD LOG CR STATION 3	383900	1230300	006	097	SW		004	1976				A		CA112	P
18010110	REDWOOD LOG CR STATION 4	383830	1230230	006	097	SW		004	1976				A		CA112	P
18010110	REDWOOD LOG CR STATION 5	383800	1230200	006	097	SW		004	1976				A		CA112	P
18010110	RUSSIAN RIVER NEAR UKIAH, CALIF.	391207	1231155	006	045	SW	100.00	004	1963		2	A		2	USGS	D
18010110	EAST FORK RUSSIAN RIVER NEAR CALPELLA CALIF	391448	1230745	006	045	SW	92.20	014	1951	1978	2	E		2	USGS	D
18010110	EAST FORK RUSSIAN RIVER NEAR UKIAH CALIF	391151	1231111	006	045	SW	105.00	014	1952	1978	2	E		2	USGS	D
18010110	RUSSIAN RIVER NEAR CLOVERDALE, CALIF.	385246	1230309	006	045	SW	503.00	004	1962		2	A		2	USGS	D
18010110	BIG SULPHUR C NR MIDDLETOWN CA	384549	1224443	006	097	SW	2.89	004	1977			R			USGS	D
18010110	BIG SULPHUR CREEK NR CLOVERDALE CALIF	384921	1225907	006	097	SW	82.30	004	1965	1968	2	A		2	USGS	D
18010110	MAACAMA CREEK NEAR KELLOGG, CALIF.	383825	1224545	006	097	SW	43.40	004	1965	1967	Q	E		Q	USGS	D
18010110	DRY CREEK NR GEYSERVILLE CALIF	384155	1225725	006	097	SW	162.00	004	1963		O	E		O	USGS	D
18010110	RUSSIAN RIVER NR GUERNEVILLE CALIF	383031	1225536	006	097	SW	1338.00	004	1951		O	E		O	USGS	D
18010111	SALMON CREEK AT BODEGA CALIF	382054	1225845	006	097	SW	15.70	004	1962	1972	N	A		N	USGS	D
18010206	KLAMATH RIVER NR SEIAD VALLEY CALIF	415114	1231352	006	093	SW	6940.00	014	1958		E	E			USGS	D
18010207	SHASTA RIVER NR YREKA CALIF	414923	1223540	006	093	SW	793.00	014	1957		E	E			USGS	D
18010208	HUNTER CREEK 2	413335	1230330	006	015	SW		004	1974	1976	F				CA011	P

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18010209	HUNTER CREEK 1	413309	1240323	006	015	SW		004	1974	1976	F				CA011	P
18010209	HIGH PRAIRIE CREEK	413410	1240400	006	015	SW		004	1974	1976	F				CA011	P
18010209	MYNOT CREEK	413315	1240310	006	015	SW		004	1974	1976	F				CA011	P
18010209	HIGH PRAIRIE CR STATION 1	414000	1240330	006	015	SW		004	1976				A		CA112	P
18010209	HIGH PRAIRE CR STATION 2	413830	1240320	006	015	SW		004	1976				A		CA112	P
18010209	HIGH PRAIRIE CR STATION 6	413500	1240332	006	015	SW		004	1976				A		CA112	P
18010209	KLAMATH RIVER AT ORLEANS CALIF	411813	1233200	006	023	SW	8475.00	124	1950		O	A		O	USGS	D
18010209	KLAMATH RIVER NEAR KLAMATH CALIF	413052	1235957	006	015	SW	12100.00	124	1951		E	E		E	USGS	D
18010210	SALMON RIVER AT SOMES BAR CALIF	412240	1232835	006	093	SW	751.00	004	1955		M	M			USGS	D
18010211	WEAVER C NR DOUGLAS CTY CA	404006	1225631	006	105	SW	48.40	004	1962	1969	E	E			CA001	
18010211	CLEAR CREEK AT FRENCH GULCH, CALIF.	404142	1223808	006	089	SW	115.00	014	1957	1967	Q	A		Q	USGS	D
18010211	TRINITY RIVER AT LEWISTON CALIF	404310	1224809	006	105	SW	719.00	014	1956		E	E			USGS	D
18010211	GRASS VALLEY CREEK AT FAWN LODGE NR LEWISTON	404035	1224946	006	105	SW	30.80	004	1974		O	E		O	USGS	D
18010211	WEAVER C NR DOUGLAS CITY CALIF	404015	1225630	006	105	SW	48.40		1962	1969	N	A		N	USGS	D
18010211	NORTH FORK TRINITY RIVER AT HELENA CALIF	404655	1230738	006	105	SW	151.00	004	1961	1970	3	A		2	USGS	D
18010211	TRINITY RIVER NEAR BURNT RANCH CALIF	404720	1232620	006	105	SW	1439.00	124	1960		K			K	USGS	D
18010211	TRINITY R AT HOOPA CALIF	410300	1234015	006	023	SW	2853.00	124	1950		O	N		O	USGS	D
18010212	SOUTH FORK TRINITY RIVER	402235	1231940	006	105	SW		004	1975	1977	F				CA011	P
18010212	ICE CREAM C AB BIG C NR HAYFORK	404030	1230810	006	105	SW			1969		E				USFS	
18010212	S F TRINITY RIVER BL HYAMPOM, CALIF.	403900	1232935	006	105	SW	764.00	004	1964		2	K		2	USGS	D
18010212	SF TRINITY R NR SALYER CALIF	405030	1233400	006	105	SW	898.00	004	1957		2	R		2	USGS	D
18020001	THOMAS C AB HUNTERS SPG NR LAKEVW	421900	1203300	041	037	SW			1977		B				USSCS	P
18020001	BAUERS CREEK NR LAKEVIEW	421800	1202400	041	037	SW			1977		B				USSCS	P
18020001	COX CREEK NR LAKEVIEW OR	421700	1202300	041	037	SW			1977		B				USSCS	P
18020001	CAMP CREEK NR LAKEVIEW OR	421800	1202700	041	037	SW			1977		B				USSCS	P
18020001	AUGER CREEK NR LAKEVIEW OR	421800	1202700	041	037	SW			1977		B				USSCS	P
18020002	PIT RIVER NEAR CANBY CALIF	412422	1205536	006	049	SW	1431.00	004	1951		E	E		E	USGS	D
18020005	SACRAMENTO RIVER NR MT SHASTA CALIF	411600	1221838	006	093	SW	135.00	004	1964		E			E	USGS	D
18020101	COW CREEK NEAR MILLVILLE CALIF	403019	1221356	006	089	SW	425.00	004	1960		W	A	A	W	USGS	D
18020101	BATTLE C NR COTTONWOOD CALIF	402350	1220805	006	103	SW	356.00	014	1956	1961	E	A			USGS	
18020101	BATTLE CR BL COLEMAN FISH HATCHERY NR COTTON	402354	1220843	006	089	SW	357.00	004	1961		K	A		K	USGS	D
18020101	SACRAMENTO RIVER AB BEND BRIDGE NR RED BLUFF	401719	1221108	006	103	SW	8900.00	014	1969		W			W	USGS	D
18020101	FY77CHANGE OPERATION OWDC 69834 TO	401719	1221108	006	103	SW			1977		Y	Y	Y		USGS	P
18020102	SF COTTONWOOD C NR COTTONWOOD CA	401859	1222652	006	103	SW	217.00	024	1958	1966	E	E			CA001	D

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18020102	MIDDLE FLORK COTTONWOOD CREEK NEAR ONO CALIF	402203	1223419	006	089	SW	244.00	003	1962		2	A		2	USGS	D
18020102	NF COTTONWOOD C NR IGO CALIF	402632	1223257	006	089	SW	88.70	024	1976		A	A	R	A	USGS	D
18020102	COTTONWOOD CREEK NR OLINDA CALIF	402306	1222831	006	089	SW	395.00	004	1970		W		A	W	USGS	D
18020102	FY77 CHANGE OPERATION OWDC76224 TO	402306	1222831	006	089	SW			1977		Y	B	B		USGS	P
18020102	SOUTH FORK COTTONWOOD CREEK NR COTTONWOOD CA	401859	1222652	006	103	SW	217.00		1960		R	A		R	USGS	D
18020102	SF COTTONWOOD CREEK NR OLINDA CA	401934	1222640	006	103	SW	371.00	004	1878		W	O	R	W	USGS	D
18020102	COTTONWOOD CREEK NR COTTONWOOD CALIF	402310	1221415	006	103	SW	927.00	004	1951		W	E	R	W	USGS	D
18020102	COTTONWOOD C NR COTTONWOOD CA	402314	1221415	006	089	SW			1977		B	B	B		USGS	P
18020103	RED BANK C AT RAWSON ROAD BRIDGE NR RED BLUF	400820	1221420	006	103	SW	109.00	004	1964	1969	M	A			USBR	P
18020103	STONY C BL BLACK BUTTE DAM	394901	1222000	006	103	SW			1965		M				USCE	
18020103	SACRAMENTO R AT BEND BRIDGE, NR RED BLUFF, C	401551	1221319	006	103	SW	8900.00	014	1955	1975	2			2	USGS	D
18020103	SACRAMENTO RIVER NR RED BLUFF, CALIF.	401355	1221050	006	103	SW	9020.00	124	1959	1965	2	Q		2	USGS	D
18020103	SACRAMENTO RIVER AT RED BLUFF, CALIF.	401041	1221347	006	103	SW	9080.00	124	1956	1966	2	A		2	USGS	D
18020103	RED BANK C AT RAWSON RD BR NR RED BLUFF CALI	400822	1221418	006	103	SW	109.00		1963	1969	N	A		N	USGS	D
18020103	ELDER CREEK NEAR PASKENTA CALIF	400129	1223031	006	103	SW	92.90	004	1958	1970	3	A		2	USGS	D
18020103	ELDER CREEK AT GERBER CA	400305	1220953	006	103	SW	136.00	004	1960		X			X	USGS	D
18020103	FY77 REESTABLISH OWDC 51560	400305	1220953	006	103	SW			1977		Y	Y	Y		USGS	P
18020103	MILL CREEK AT SHERWOOD BRIDGE NR LOS MOLINOS	400244	1220539	006	103	SW	133.00		1977	1978	W			W	USGS	D
18020103	THOMES C AT PASKENTA CALIF	395316	1223141	006	103	SW	194.00	004	1958		2	E		2	USGS	D
18020103	THOMES C AT RAWSON ROAD BRIDGE NR RICHFIELD	395832	1221328	006	103	SW			1977		W			W	USGS	D
18020103	DEER CREEK AT RED BRIDGE NEAR VINA CA	395812	1220048	006	103	SW	210.00		1977	1977	X			X	USGS	D
18020103	SACRAMENTO RIVER NEAR HAMILTON CITY CALIF	394506	1215940	006	021	SW		124	1951		X			X	USGS	D
18020103	FY77 CHANGE OPERATION OWDC51564 TO	394506	1215940	006	007	SW			1977		Y	B	B		USGS	P
18020103	STONY CREEK BL BLACK BUTTE DAM NR ORLAND CAL	394907	1221926	006	103	SW	738.00	014	1957		E			E	USGS	D
18020104	STONE CORRAL C NR SITES CA	391718	1221800	006	011	SW	38.20	004	1965	1968	E	E			USBR	D
18020104	SACRAMENTO RIVER AT BUTTE CITY CALIF	392728	1215935	006	021	SW	12075.00	014	1955		W			W	USGS	D
18020104	COLUSA WEIR SPILL TO BUTTE BASIN NR COLUSA C	391412	1215938	006	011	SW			1971	1975	O	A		O	USGS	D
18020104	SACRAMENTO R AT COLUSA CALIF	391251	1215957	006	011	SW	12090.00	024	1958	1975	W	A		W	USGS	D
18020104	STONE CORRAL CREEK NR SITES CALIF	391718	1221800	006	011	SW	38.20	004	1965	1968	K	A		K	USGS	D
18020104	SACRAMENTO RIVER AT KNIGHTS LANDING, CALIF.	384811	1214255	006	101	SW	14535.00	014	1951	1973	W			W	USGS	D
18020104	ZAMORA CR NR ZAMORA CA	384745	1215430	006	113	SW			1977		B				USSCS	P
18020105	CHEROKEE CANAL NR NELSON CALIF	393454	1214154	006	007	SW		004	1970	1974	2	A		2	USGS	D
18020106	FEATHER R AT OROVILLE CA	393113	1213248	006	007	SW	3624.00	014	1951		O				CA001	D
18020106	FEATHER R NR GRIDLEY CA	392200	1213846	006	007	SW	3676.00	014	1964		O	M			CA001	D

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18020106	FEATHER R AT YUBA CITY CA	390820	1213617	006	115	SW	3974.00	014	1964		O				CA001	D
18020106	FEATHER R NR OROVILLE CA	393113	1213248	006	007	SW	3624.00		1951	1979	O	E		O	USGS	D
18020106	FEATHER RIVER NEAR GRIDLEY CALIF	392200	1213846	006	007	SW	3676.00		1963		O	A		O	USGS	D
18020106	FEATHER RIVER AT YUBA CITY CALIF	390820	1213617	006	115	SW	3974.00	014	1963		2	K		2	USGS	D
18020109	DRY CREEK NEAR WINTERS CALIF	383106	1215915	006	113	SW	16.80		1971	1973	B				USBR	
18020109	U C OUTFALL DRAIN NR DAVIS CALIF	383125	1214700	006	113	OT			1971	1973	B				USBR	
18020109	SACRAMENTO RIVER AT SACRAMENTO CALIF	383512	1213016	006	067	SW	23508.00	024	1951		O	R		O	USGS	D
18020109	SACRAMENTO RIVER AT FREEPORT CALIF	382720	1213007	006	067	SW	23508.00	014	1960		M				USGS	D
18020109	SACRAMENTO RIVER AT FREEPORT CALIF	382720	1213007	006	067	SW			1975		Q	M		E	USGS	D
18020109	CACHE CREEK AT YOLO, CALIF.	384331	1214822	006	113	SW	1139.00	014	1957	1967	3	K		3	USGS	D
18020109	YOLO BYPASS AT LIBERTY ISLAND CA EAST	381507	1214017	006	067	SW			1973	1975	K	A			USGS	D
18020109	YOLO BYPASS AT LIBERTY ISLAND CA COMBINED	381508	1214017	006	067	SW			1973	1975	A	A			USGS	D
18020109	YOLO BYPASS AT LIBERTY ISLAND CA WEST	381627	1214136	006	095	SW			1973	1975	K	A			USGS	D
18020109	YOLO BYPASS NR WOODLAND CA	384040	1213835	006	113	CN			1977		M	M	M		USGS	P
18020110	CACHE CREEK AT RUMSEY CA	385325	1221413	006	011	SW	964.00	014	1959		3	N		3	USGS	D
18020110	CACHE CREEK AT RUMSEY CALIF	385326	1221414	006	113	SW	964.00	014	1975		R	R		R	USGS	D
18020110	CACHE CREEK NEAR CAPAY, CALIF	384344	1220615	006	113	SW	1044.00	014	1951		K	A		K	USGS	D
18020110	GOODNOW SLOUGH NR CAPAY CA	384520	1220320	006	113	SW			1977		B				USSCS	P
18020110	UNNAMED TRIB IN HUNGRY HOL NR CAP	384340	1215630	006	113	SW			1977		B				USSCS	P
18020111	STRONG RANCH SLOUGH AT SACRAMENTO CALIF	383609	1212340	006	067	SW	5.02	003	1971	1975	E	E		E	USGS	D
18020115	GRINDSTONE C NR ELK CREEK CA	394038	1223151	006	021	SW	156.00	004	1967	1972	M	M			CA001	D
18020115	GRINDSTONE CREEK NR ELK CREEK CALIF	394038	1223151	006	021	SW	156.00		1967	1972	Q	A		Q	USGS	D
18020116	BEAR C NR RUMSEY CA	385642	1222042	006	011	SW	100.00	004	1960	1967	E	E			CA001	D
18020116	CACHE C AB RUMSEY CA	385447	1221614	006	113	SW	955.00	014	1960	1970	E				CA001	D
18020116	HIGHLAND CREEK ABOVE HIGHLAND CREEK DAM, CAL	385511	1225511	006	033	SW	11.90	004	1965	1966	R	A		R	USGS	D
18020116	HIGHLAND CREEK BELOW HIGHLAND CREEK DAM	385654	1225403	006	033	SW	14.20	014	1964		O	E		O	USGS	D
18020116	NORTH FORK CACHE CREEK NEAR LOWER LAKE, CALI	390109	1223404	006	033	SW	197.00	004	1957	1966	N	A		N	USGS	D
18020116	BEAR CREEK NEAR RUMSEY CALIF	385642	1222042	006	011	SW	100.00		1960	1967	Q	A		Q	USGS	D
18020117	DRY C AB APPLETREE C NR MIDDLETOWN CA	384425	1224117	006	033	SW	.83	004	1977			R			USGS	D
18020117	PUTAH CREEK NR GUENOC CALIF	384644	1223059	006	033	SW	113.00	024	1959	1973	4	A		3	USGS	D
18020117	HUNTING CREEK NR KNOXVILLE CALIF	384618	1222426	006	033	SW	37.80	004	1969	1973	2	A		2	USGS	D
18020117	ADAMS CREEK NR KNOXVILLE CALIF	384217	1221744	006	055	SW	7.42	004	1970	1974	K	E		K	USGS	D
18020117	NEVADA CREEK NEAR KNOXVILLE,CALIF.	384242	1221731	006	055	SW	7.06	004	1970	1974	K	E		K	USGS	D
18020122	INDIAN CREEK NR CRESCENT MILLS CALIF	400442	1205536	006	063	SW	739.00	024	1956		E	E		E	USGS	D

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18020123	L LAST CHANCE C BL FRENCHMAN DAM NR CHILCOOT	395336	1201117	006	063	SW	81.10	014	1957	1962	M	A			CA001	P
18020123	MF FEATHER R NR PORTOLA CA	394907	1202637	006	063	SW	586.00	014	1970	1972	M				CA001	D
18020123	L LAST CHANCE CREEK BL FRENCHMAN DAM NR CHIL	395336	1201117	006	063	SW	81.10	014	1957	1962	M	A			USGS	P
18020123	BIG GRIZZLY C AT GRIZZLY VY DAM NR PORTOLA C	395302	1202832	006	063	SW	44.00	014	1957	1966	R	A		R	USGS	D
18020123	MF FEATHER R NR PORTOLA CALIF	394313	1202626	006	063	SW	586.00		1970	1972	Q			Q	USGS	D
18020123	MF FEATHER R AT DELLEKER CALIF	394807	1202942	006	063	SW	597.00	014	1970	1973	E			E	USGS	D
18020123	MF FEATHER R BL LONG VALLEY C AT SLOAT CAL	395158	1204400	006	063	SW	813.00	004	1970	1973	E			E	USGS	D
18020123	MF FEATHER R BL SLOAT CALIF	395200	1204615	006	063	SW	819.00	024	1956	1962	M	A			USGS	P
18020123	MF FEATHER R NR MERRIMAC CALIF	394230	1211610	006	007	SW	1062.00	014	1961		E			E	USGS	D
18020125	NF DEER C NR WHITE CLOUD	391844	1205026	006	057	SW			1977		M				USFS	C
18020125	MID YUBA R AB OREGON CR NR NORTH SAN JUAN, C	392335	1210450	006	057	SW	162.00	124	1964	1969	R	E		R	USGS	D
18020125	N YUBA R AB HAYPRESS C NR SIERR CY	393408	1203652	006	091	SW			1971		B	B	B		USGS	D
18020125	NORTH YUBA RIVER BELOW GOODYEARS BAR, CALIF.	393130	1205613	006	091	SW	250.00	024	1971		N			N	USGS	D
18020125	NORTH YUBA RIVER ABOVE SLATE CREEK NEAR STRA	393129	1210526	006	115	SW	351.00	024	1967		N			N	USGS	D
18020125	SOUTH YUBA RIVER AT JONES BAR NR GRASS VALLE	391732	1210613	006	057	SW	308.00	014	1964		Q	A		Q	USGS	D
18020125	DEER CREEK NEAR SMARTVILLE, CALIF.	391328	1211603	006	057	SW	84.60	014	1972		O	R		O	USGS	D
18020126	BEAR R NR AUBURN CALIF	390100	1210621	006	057	SW	140.00	124	1962	1967	Q	A		Q	USGS	D
18020128	MIDDLE FORK AMERICAN RIVER NEAR AUBURN CALIF	385505	1210051	006	061	SW	614.00	014	1956		Q	S		Q	USGS	D
18020129	SF AMERICAN R NR LOTUS CALIF	384907	1205645	006	017	SW	673.00	014	1956		E	E			USGS	D
18030001	SALMON C TR B CA	355405	1182305	006	107	SW	.46		1960		B				USFS	
18030001	SALMON C TR C CA	355415	1182330	006	107	SW			1960		B				USFS	
18030001	SALMON C TR E CA	355415	1182345	006	107	SW	.23		1961		B				USFS	
18030001	SODA SPRINGS NR MOUTH	361600	1183125	006	107	SW			1977		B				USFS	
18030001	ALPINE C NR MOUTH	361415	1183105	006	107	SW			1977		B				USFS	C
18030001	MOUNTINEER C NR MOUTH	361400	1183105	006	107	SW			1977		B				USFS	C
18030001	L KERN NR GREY MEADOW	361305	1182918	006	107	SW			1977		B				USFS	C
18030001	CLICKS C NR MOUTH	361250	1183045	006	107	SW			1977		B				USFS	C
18030001	FISH C NR MOUTH	361135	1182920	006	107	SW			1977		B				USFS	C
18030001	FY77 CHANGE OPERATION OWDC73807 TO	363524	1182624	006	107	SW			1977		B				USFS	C
18030001	KERN RIVER AT KERNVILLE CALIF	354534	1182512	006	029	SW	1009.00	004	1961		E	E		E	USGS	D
18030001	CRUNIGEN CREEK BL MINERAL KING HWY NR HAMMON	362655	1181618	006	107	SW	1.58	004	1968	1971	A			A	USGS	D
18030002	JACKASS C NR MOUTH	360400	1181308	006	107	SW			1977		B				USFS	C
18030002	FISH C NR TROY MEADOW	360400	1181310	006	107	SW			1977		B				USFS	C
18030002	FISH C NR MOUTH	355720	1180956	006	107	SW			1977		B				USFS	C

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18030002	SHERMAN PASS SKI 2 UNNAMED CREEK	355900	1182000	006	107	SW			1977		B				USFS	
18030002	SHERMAN PASS SKI 1 UNNAMED CREEK	355900	1182030	006	107	SW			1977		B				USFS	C
18030002	TROUT C NR MOUTH	355630	1181005	006	107	SW			1977		B				USFS	C
18030003	ANTELOPE CR NR TEHACHAPI CA	350515	1182655	006	029	SW			1977		B				USSCS	P
18030007	EF KAWEAH R NR THREE RIVERS CA	362705	1184715	006	107	SW	85.80	024	1968		M				CA066	P
18030007	MOSQUITO C NR MOUTH	362704	1183658	006	107	SW			1971		B				USFS	
18030007	FRANKLIN C NR MOUTH	362539	1183452	006	107	SW			1971		B				USFS	
18030007	WHITE CHIEF C NR MOUTH	362559	1183505	006	107	SW			1971		B				USFS	
18030007	SPRING C NR MOUTH	362640	1183550	006	107	SW			1971		B				USFS	
18030007	MONARCH C NR MOUTH	362710	1183545	006	107	SW			1971		B				USFS	
18030007	MOSQUITO C NR MOUTH	362700	1183700	006	107	SW			1971		B				USFS	
18030007	EF KAWEAH R BL EAGLE C NR HAMMOND	362624	1183524	006	107	SW			1971		O				USFS	
18030007	EF KAWEAH R BL EAGLE C NR HAMMOND	362644	1183538	006	107	SW			1971		O				USFS	
18030007	EF KAWEAH R AB MONARCH C NR HAMMND	362701	1183540	006	107	SW			1971		B	B	B		USFS	
18030007	EF KAWEAH BL MOSQUITO C	362705	1183704	006	107	SW	16.00		1971		O				USFS	
18030007	MONARCH C NR HAMMOND CA	362709	1183537	006	107	SW			1971		B	B	B		USFS	
18030007	FY77 CHANGE OPERATION OWDC73812 TO	362539	1183452	006	107	SW			1977		B				USFS	C
18030007	FY77 CHANGE OPERATION OWDC73813 TO	362559	1183505	006	107	SW			1977		B				USFS	C
18030007	FY77 CHANGE OPERATION OWDC73814 TO	362644	1183532	006	107	SW			1977		B				USFS	C
18030007	FY77 CHANGE OPERATION OWDC73811 TO	362705	1183704	006	107	SW			1977		B				USFS	C
18030007	FY77 CHANGE OPERATION OWDC73810 TO	362708	1183620	006	107	SW			1977		B				USFS	C
18030007	FY77 CHANGE OPERATION OWDC73816 TO	362704	1183658	006	107	SW			1977		B				USFS	C
18030007	FY77 CHANGE OPERATION OWDC73809 TO	362709	1183537	006	107	SW			1977		B				USFS	C
18030007	FY77 CHANGE OPERATION OWDC73815 TO	362710	1183545	006	107	SW			1977		B				USFS	C
18030007	EF KAWEAH R BL EAGLE C NR HAMMOND CALIF	362644	1183538	006	107	SW	9.92	004	1968	1973	E			E	USGS	D
18030007	EF KAWEAH R AB MONARCH CREEK NR HAMMOND CALI	362701	1183540	006	107	SW		004	1968	1971	A			A	USGS	D
18030007	MONARCH C NR HAMMOND CA	362709	1183537	006	107	SW	1.89	004	1968	1973	E			E	USGS	D
18030007	EF KAWEAH R BL MONARCH C NR HAMMOND CALIF	362709	1183556	006	107	SW	12.10	004	1968	1973	E			E	USGS	D
18030007	EF KAWEAH RIVER BL MOSQUITO C NR HAMMOND CAL	362705	1183704	006	107	SW	16.00	004	1967	1973	E			E	USGS	D
18030007	EF KAWEAH R AT SEQ NATL P BNDRY NR HAMMOND C	362730	1183911	006	107	SW	23.70	004	1967	1971	H			H	USGS	D
18030007	ATWELL CREEK AB MINERAL KING HWY NR HAMMOND	362757	1184030	006	107	SW	.66	004	1968	1971	N			N	USGS	D
18030007	REDWOOD CREEK AB MINERAL KING HWY NR HAMMOND	362714	1184210	006	107	SW	1.38	004	1968	1971	N			N	USGS	D
18030007	SQUIRREL CREEK BL MINERAL KING HWY NR HAMMON	362636	1184600	006	107	SW	5.80	004	1968	1971	K			K	USGS	D
18030007	EAST FORK KAWEAH RIVER NEAR THREE RIVERS CAL	362705	1184715	006	107	SW	85.80		1967		Q			Q	USGS	D

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18030007	ANTELOPE CREEK NR WOODLAKE CA	363730	1190440	006	107	SW			1977		B				USSCS	P
18030008	WOOTEN CR NR ORANGE COVE CA	363945	1191635	006	019	SW			1977		B				USSCS	P
18030010	BIG CREEK AT BRIDGE	365500	1191500	006	019	SW			1969		Q				USFS	
18030010	TRIB TO BIG CREEK AT BRIDGE	365500	1191500	006	019	SW			1969	1970	Q				USFS	
18030010	RUSH CREEK ABOVE PETERSON MILL	370400	1191800	006	019	SW			1969	1970	Q				USFS	
18030010	RUSH CREEK BELOW PETERSON MILL	370300	1191800	006	019	SW			1969	1970	Q				USFS	
18030010	KINGS RIVER BL NF NR TRIMMER CALIF	365229	1190827	006	019	SW	1342.00	014	1955		N	N		N	USGS	D
18030010	ROARING R AT RANGER STA NR CEDAR GR	364235	1183452	006	107	SW			1974		Y				USGS	D
18030010	SUGARLOAF C TR AT MOUTH NR CEDAR G	364406	1183822	006	107	SW			1974	1975	Y				USGS	D
18030010	FERGUSON C AT MOUTH NR CEDAR GROVE	364427	1183739	006	107	SW			1974	1975	Y				USGS	D
18030010	ROARING R AB SUGARLOAF C NR CEDAR	364454	1183701	006	019	SW			1974	1975	Y				USGS	D
18030010	ROARING R AT ROARING R FALLS NR CE	364659	1183721	006	019	SW			1974	1975	Y				USGS	D
18030012	TULE R BL SUCCESS DAM CA	360323	1185522	006	107	SW			1962		M				USCE	
18030012	KAWEAH R BL TERMINUS DAM CA	362451	1190042	006	107	SW			1962		M				USCE	
18030012	KINGS R BELOW PINE FLAT DAM	364950	1192005	006	019	SW			1954		M				USCE	
18030012	CUYAMA R NR SANTA MARIA CALIF	350042	1201643	006	083	SW	904.00	024	1956	1959	M	M			USGS	P
18030012	FRAZIER CR NR STRATHMORE CA	360835	1185930	006	107	SW			1977		B				USSCS	P
18030012	WATOKE CR NR ORANGE COVE CA	364435	1192230	006	019	SW			1977		B				USSCS	P
18040001	FRIANT-KERN CANAL AT FRIANT CALIF	365953	1194211	006	019	SW		024	1974		K	K		R	USGS	D
18040001	PANOCHE C BL SILVER C NR PANOCHE CA	363708	1204022	006	019	SW	293.00	004	1965	1967	A	A		A	USGS	D
18040001	LOS BANOS C NR LOS BANOS CALIF	370100	1205405	006	047	SW	159.00	004	1963	1965	A	A			USGS	D
18040001	PANOCHE C BL SILVER C NR PANOCHE C	363708	1204022	006	019	SW			1977		B				USSCS	P
18040001	DRY CREEK NR MADERA CA	370340	1200330	006	039	SW			1977		B				USSCS	P
18040001	SCHMIT CREEK NR MADERA CA	370120	1200415	006	039	SW			1977		B				USSCS	P
18040003	SAN JOAQUIN RIVER NEAR VERNALIS CALIF	374034	1211551	006	077	SW	13536.00	024	1902		O	N		O	USGS	D
18040003	DELTA-MENDOTA CANAL BL TRACY PUMP PLT NR TRA	374749	1213503	006	077	SW		004	1958	1966	2	R		2	USGS	D
18040003	MARSH CREEK NEAR BYRON, CALIF.	375224	1214334	006	013	SW	42.60	004	1970	1970	A	A		A	USGS	D
18040003	DELTA MENDOTA CA AT HEAD CA	374700	1213500	006	001	CN			1977		M	M	M		USGS	P
18040004	POTTER C TRIB NR PETERS CA	380100	1210210	006	077	SW			1977		B				USSCS	
18040005	MERCED RIVER BELOW MERCED FALLS DAM NEAR SNE	373118	1201953	006	047	SW	1061.00	124	1966		R			R	USGS	D
18040005	MERCED RIVER NEAR STEVINSON, CALIF.	372215	1205546	006	047	SW	1273.00	124	1952		R			R	USGS	D
18040005	MOKELUMNE RIVER AT WOODBRIDGE CALIF	380931	1211809	006	077	SW	661.00	004	1951		E	E		E	USGS	D
18040005	COSUMNES RIVER AT MCCONNELL CALIF	382129	1212034	006	067	SW	724.00	004	1960	1967	N	K		N	USGS	D
18040008	MERCED R AT HAPPY ISLES BRIDGE NR YOSEMITE C	374354	1193328	006	043	SW	181.00	004	1964		E	E		E	USGS	D

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18040008	MERCED RIVER AT EL CAPITAN BRIDGE NR YOSEMIT	374327	1193750	006	043	SW	287.00	024	1972	1974	N			R	USGS	D
18040008	MERCED R AT BIG OAK FLAT NR EL PORTAL CAA	374318	1194245	006	043	SW	345.00		1975		A				USGS	D
18040008	MERCED RIVER AT RANCHERIA FLAT NR EL PORTAL	374010	1194825	006	043	SW	393.00	024	1972	1972	9	E		E	USGS	D
18040008	SOUTH FORK MERCED RIVER NEAR EL PORTAL, CALI	373905	1195304	006	043	SW	241.00	024	1973		E			E	USGS	D
18040008	MERCED RIVER NEAR BRICEBURG, CALIF.	373809	1195556	006	043	SW	691.00	004	1966	1966	E			E	USGS	D
18040010	MOKELUMNE RIVER BL CAMANCHE DAM CALIF	381314	1200219	006	077	SW	627.00	014	1960		R			R	USGS	D
18040011	SOUTH FORK CALAVERAS RIVER NEAR SAN ANDREAS.	380840	1203946	006	009	SW	118.00	004	1972		O	R		O	USGS	D
18040011	NORTH FORK CALAVERAS RIVER NEAR SAN ANDREAS.	381317	1204154	006	009	SW	85.20	004	1972		O	A		O	USGS	D
18040013	SOPIAGO C NR OMO RANCH CALIF	383340	1203138	006	017	SW	8.90		1971	1973	B				USBR	
18040013	COSUMNES R NR PLYMOUTH CALIF	383221	1205145	006	005	SW	436.00	124	1957	1960	M	A			USGS	P
18040013	COSUMNES RIVER AT MICHIGAN BAR CALIF	383001	1210239	006	067	SW	536.00	004	1952		2	E		2	USGS	D
18050001	CARQUINEZ STRAIT	380231	1220942	006	095	ES			1973				B		CA080	
18050001	SUISUN BAY	380233	1215320	006	095	ES			1973				B		CA080	
18050001	CARQUINEZ ST MARTINEZ	380142	1215806	006	013	ES			1970				B		CA080	
18050001	SUISUN SLOUGH	380553	1220222	006	095	ES			1973				B		CA080	
18050001	CARQUINEZ STRAIT	380217	1220655	006	095	ES			1973				B		CA080	
18050001	SUISUN BAY	380247	1220543	006	095	ES			1973				B		CA080	
18050001	SUISUN BAY NR ROE ISL	380350	1220113	006	095	ES			1973				B		CA080	
18050001	HONKER BAY	380306	1215837	006	095	ES			1973				B		CA080	
18050001	HONKER BAY NR CHIPPS ISL	380317	1215607	006	095	ES			1973				B		CA080	
18050001	CARQUINEZ STRAIT	380335	1221332	006	013	ES			1960	1964			B		CA104	P
18050001	CARQUINEZ STRAIT	380236	1220710	006	095	ES			1960	1964			B		CA104	P
18050001	SUISUN BAY NR PT EDITH	380310	1220448	006	095	ES			1960	1964			B		CA104	P
18050001	SUISUN BAY NR PRESTON PT	380345	1220305	006	013	ES			1960	1964			B		CA104	P
18050001	SUISUN BAY NR ROE ISL	380345	1220045	006	013	ES			1960	1964			B		CA104	P
18050001	HONKER BAY	380308	1215654	006	013	ES			1960	1964			B		CA104	P
18050001	NEW YORK SLOUGH	380215	1215245	006	013	ES			1960	1964			B		CA104	P
18050001	NEW YORK SLOUGH	380152	1215125	006	013	ES			1960	1964			B		CA104	P
18050001	NEW YORK SLOUGH	380149	1215106	006	013	ES			1971				A		CA113	
18050001	NEW YORK SLOUGH	380149	1215110	006	013	ES			1971				A		CA113	
18050001	NEW YORK SLOUGH	380149	1215108	006	013	ES			1971				A		CA113	
18050001	NEW YORK SLOUGH	380134	1215031	006	013	ES			1971				A		CA113	
18050001	SUISUN BAY	380258	1220522	006	013	ES			1967				B		CA113	
18050001	SUISUN BAY	380257	1220533	006	013	ES			1967				B		CA113	

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18050001	SUISUN BAY	380258	1220512	006	013	ES			1967				B		CA113	
18050001	NEW YORK SLOUGH	380154	1215132	006	013	ES			1970				B		CA113	
18050001	NEW YORK SLOUGH	380148	1215132	006	013	ES			1970				B		CA113	
18050001	CARQUINEZ ST	380327	1221333	006	013	ES			1969				B		CA113	
18050001	CARQUINEZ ST	380327	1221306	006	013	ES			1969				B		CA113	
18050001	CARQUINEZ ST	380327	1221305	006	013	ES			1969				B		CA113	
18050001	CARQUINEZ STRAIT	380318	1220703	006	095	ES			1968				B		CA113	
18050001	CARQUINEZ STRAIT	380318	1220707	006	095	ES			1968				B		CA113	
18050001	CARQUINEZ STRAIT	380318	1220707	006	095	ES			1968				B		CA113	
18050001	CARQUINEZ STRAIT	380318	1220707	006	095	ES			1968				B		CA113	
18050001	CARQUINEZ STRAIT	380318	1220707	006	095	ES			1968				B		CA113	
18050001	CARQUINEZ ST	380157	1220742	006	013	ES			1970				B		CA113	
18050001	CARQUINEZ ST	380150	1220757	006	013	ES			1970				B		CA113	
18050001	CARQUINEZ ST	380157	1220744	006	013	ES			1970				B		CA113	
18050001	CARQUINEZ ST	380155	1220746	006	013	ES			1970				B		CA113	
18050001	SUISUN BAY	380251	1220538	006	013	ES			1971				Q		CA113	
18050001	SUISUN BAY	380244	1220548	006	013	ES			1971				Q		CA113	
18050001	CARQUINEZ STR AT ECKLEY	380319	1221211	006	013	ES			1979	1970			B		USCE	P
18050001	SUISUN BAY AT PORT CHICAGO	380346	1220112	006	013	ES			1979				B		USCE	P
18050001	ARROYO DEL HAMBRE AT MARTINEZ, CALIF.	380012	1220744	006	013	SW	15.10	004	1970	1971	A	A		A	USGS	D
18050001	WALNUT CREEK AT CONCORD, CALIF.	375643	1220255	006	013	SW	85.20	123	1970		A	A		A	USGS	D
18050001	SAN FRANCISCO BAY AT PITTSBURG CALIF	380300	1215242	006	095	ES			1978		A				USGS	D
18050001	SAN FRANCISCO BAY AT BENICIA CALIF	380300	1221024	006	095	ES			1978		A				USGS	D
18050001	SAN FRANCISCO BAY AT ROE ISLAND CALIF	380354	1220206	006	095	ES			1978		A				USGS	D
18050002	R-2 BUOY	375005	1222323	006	075	ES			1968				B		CA082	
18050002	BERKELEY PIER	375050	1222150	006	001	ES			1968				B		CA082	
18050002	PT BLUNT	375105	1222518	006	041	ES			1968				B		CA082	
18050002	QUARRY PT	375130	1222500	006	075	ES			1968				B		CA082	
18050002	PT SIMPTON	375215	1222515	006	075	ES			1968				B		CA082	
18050002	SOUTH HAMPTON SHOUL	375245	1222410	006	075	ES			1968				B		CA082	
18050002	CENTRAL SF BAY	374800	1222242	006	075	ES			1960	1964			B		CA104	P
18050002	CENTRAL SF BAY-NR ALCATRAZ	374918	1222514	006	075	ES			1960	1964			B		CA104	P
18050002	SF BAY NR GOLDEN GATE BR	374948	1222830	006	075	ES			1960	1964			B		CA104	P
18050002	SF BAY NR ANGEL ISL	375112	1222437	006	075	ES			1960	1964			B		CA104	P

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18050002	RACOON STRAIT	375230	1222624	006	041	ES			1960	1964			B		CA104	P
18050002	N SAN FRANCISCO BAY NR RICHMOND	375426	1222356	006	013	ES			1960	1964			B		CA104	P
18050002	SF BAY NR TIBURON	374900	1222700	006	013	ES			1960	1964			B		CA104	P
18050002	SF BAY NR RICHMOND	375600	1222505	006	013	ES			1960	1964			B		CA104	P
18050002	SF BAY NR CORTE MADERA C	375615	1222830	006	041	ES			1960	1964			B		CA104	P
18050002	SF BAY NR PT SAN PABLO	375721	1222659	006	013	ES			1960	1964			B		CA104	P
18050002	SAN PABLO BAY	380455	1222630	006	041	ES			1960	1964			B		CA104	P
18050002	SAN PABLO NR PT SAN PEDRO	375945	1222645	006	041	ES			1960	1964			B		CA104	P
18050002	SAN PABLO BAY	375856	1222500	006	013	ES			1960	1964			B		CA104	P
18050002	SAN PABLO BAY	380315	1222300	006	041	ES			1960	1964			B		CA104	P
18050002	SAN PABLO BAY	380150	1222218	006	013	ES			1960	1964			B		CA104	P
18050002	SAN PABLO BAY	380500	1222200	006	095	ES			1960	1964			B		CA104	P
18050002	SAN PABLO BAY	380245	1221610	006	013	ES			1960	1964			B		CA104	P
18050002	SAN PABLO BAY	380300	1221525	006	013	ES			1969				M		CA113	
18050002	SAN PABLO BAY	380245	1221542	006	013	ES			1969				M		CA113	
18050002	SAN PABLO BAY	380243	1221544	006	013	ES			1969				M		CA113	
18050002	SF BAY NR PT SAN PABLO	375711	1222317	006	013	ES			1971				B		CA113	
18050002	SF BAY NR PT SAN PABLO	375747	1222407	006	013	ES			1971				B		CA113	
18050002	SAN PABLO BAY	375803	1222425	006	013	ES			1971				B		CA113	
18050002	SAN PABLO BAY	375806	1222422	006	013	ES			1971				B		CA113	
18050002	SF BAY NR PT SAN PABLO	375711	1222317	006	013	ES			1971				B		CA113	
18050002	SAN FRANCISCO BAY	375430	1222352	006	013	ES			1971				B		CA113	
18050002	RICHMOND HARBOR	375428	1222311	006	013	ES			1971				B		CA113	
18050002	SAN FRANCISCO BAY	375420	1222301	006	013	ES			1971				B		CA113	
18050002	SAN PABLO BAY	380048	1221748	006	013	ES			1974				B		CA113	
18050002	SCHELL SLOUGH NR SP BAY	381451	1222606	006	097	ES			1972				B		CA113	
18050002	SAN PABLO BAY	380234	1221613	006	013	ES			1971				A		CA113	
18050002	SAN PABLO BAY	380229	1221555	006	013	ES			1971				A		CA113	
18050002	SAN PABLO BAY	375828	1222406	006	013	ES			1969				B		CA113	
18050002	SAN PABLO BAY	375806	1222344	006	013	ES			1969				B		CA113	
18050002	SAN PABLO BAY	375817	1222352	006	013	ES			1969				B		CA113	
18050002	SAN PABLO BAY	375808	1222405	006	013	ES			1969				B		CA113	
18050002	NAPA R NR NAPA CALIF	382206	1221808	006	055	SW			1977		O	M			USCE	
18050002	WILDCAT C AT VALE ROAD AT RICHMOND CALIF	375712	1222014	006	013	SW	7.79	013	1976		O	M	A	O	USGS	D

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18050002	NAPA RIVER NEAR ST. HELENA CALIF	382952	1222537	006	055	SW	81.40	004	1953		2	Q	A	2	USGS	D
18050002	NAPA RIVER NEAR NAPA CALIF	382206	1221808	006	055	SW	218.00	004	1970		O	M	Q	O	USGS	D
18050002	REDWOOD CREEK NEAR NAPA, CALIFORNIA	381904	1222035	006	055	SW	9.81	004	1970	1971	K	E		K	USGS	D
18050002	SONOMA C AT AGUA CALIENTE CALIF	381924	1222936	006	097	SW	58.40	004	1957	1962	Q	A			USGS	
18050002	SAN RAFAFL C AT SIRARD LANE AT SAN	375904	1223258	006	061	SW	.19	003	1972	1975	A	E		A	USGS	D
18050002	SAN RAFAEL CREEK AT SAN RAFAEL, CALIF	375822	1223207	006	041	SW	1.24	003	1971	1975	A	A		A	USGS	D
18050002	IRWIN C TR AT SAN RAFAEL CA	375928	1223029	006	041	SW	.11	004	1972	1975	A	A		A	USGS	D
18050002	IRWIN C TR NO 2 AT SAN RAFAEL CALIF	375856	1223024	006	041	SW	.16	004	1972	1975	A	A		A	USGS	D
18050002	IRWIN CREEK AT SAN RAFAEL CALIF	375856	1223050	006	041	SW	.69	003	1971	1975	A	A		A	USGS	D
18050002	CORTE MADERA CREEK AT ROSS, CALIF.	375745	1223320	006	041	SW	18.10	003	1977	1978	O	M	Q	O	USGS	D
18050002	SAN FRANCISCO BAY AT GOLDEN GATE BRIDGE CALI	374906	1222818	006	075	ES			1978		A				USGS	D
18050002	SAN FRANCISCO BAY AT TIBURON CALIF	375254	1222536	006	041	ES			1978		A				USGS	D
18050002	SAN FRANCISCO BAY AT POINT SAN PABLO CALIF	375812	1222612	006	013	ES			1978		A				USGS	D
18050002	SAN FRANCISCO BAY AT HERCULES CALIF	380306	1221842	006	013	ES			1978		A				USGS	D
18050003	SF BAY NR COYOTE C	372845	1220445	006	001	ES			1960	1964			B		CA104	P
18050003	SF BAY NR COYOTE C	372732	1220300	006	085	ES			1960	1964			B		CA104	P
18050003	COYOTE C	372745	1220115	006	085	ES			1960	1964			B		CA104	P
18050003	COYOTE C	372754	1215940	006	085	ES			1960	1964			B		CA104	P
18050003	COYOTE C	372738	1215828	006	085	ES			1960	1964			B		CA104	P
18050003	NEWARK SLOUGH	373033	1220313	006	001	ES			1964				S		CA113	
18050003	NEWARK SLOUGH	373029	1220314	006	001	ES			1964				S		CA113	
18050003	MATADERO C AT PALO ALTO CALIF	372518	1220804	006	085	SW	7.26	003	1970	1970	A	A		A	USGS	D
18050003	ROSS C BL JARVIS ROAD NEAR SAN JOSE, CALIF.	371548	1215308	006	085	SW	7.64	013	1972	1974	A	A		A	USGS	D
18050003	SARATOGA CREEK AT SARATDGA, CA.	371516	1220218	006	085	SW	9.22	124	1972	1972	A			A	USGS	D
18050003	CALABAZAS C AT MT EDEN RD NR SARATOGA CA	371603	1220331	006	085	SW	.49	003	1973			A	A		USGS	D
18050003	CALABAZAS C TRIB AT MT EDEN ROAD NR SARATOGA	371609	1220336	006	085	SW	.37	003	1971		2	E	E	2	USGS	D
18050003	CALABAZAS C AT MTERD NR SARTOGA CALIF	371603	1220331	006	085	SW			1973	1975		A			USGS	D
18050003	CALABAZAS C TR 2 AT MT EDEN RD NR S	371600	1220327	006	085	SW	.02		1973			Y	Y		USGS	D
18050003	CALABAZAS C TR4 AT MTERD NR SARATOGA CALIF	371554	1220318	006	085	SW	.26	003	1973	1975	E	A	E	E	USGS	D
18050003	CALABAZAS C TR5 AT PRC RD NR SARATOGA CALIF	371554	1220310	006	085	SW	.01	003	1973	1973		A			USGS	D
18050003	CALABAZAS C AT VREGNA NR SARATOGA CALIF	371600	1220304	006	085	SW	1.43	003	1972	1972	A	A		A	USGS	D
18050003	PROSPECT C AT SARATOGA GOLF COURSE NR SARATO	371709	1220314	006	085	SW	.27	003	1971		2	E	E	2	USGS	D
18050003	PROSPECT C AT MRA LA NR SARATOGA CALIF	371738	1220234	006	085	SW	.76	003	1972	1973	A	A	A	A	USGS	D
18050003	PROSPECT C TR NR SARATOGA CALIF	371738	1220234	006	085	SW	.01	003	1972	1973		A			USGS	D

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18050003	CALABAZAS C AT RNBO DRI NR CUPERTINO CALIF	371803	1220132	006	085	SW	3.98	003	1972		2	E	E	2	USGS	D
18050003	COYOTE CREEK NR GILROY CALIF	370440	1212936	006	085	SW	109.00	004	1963		2	A		2	USGS	D
18050003	SAN FRANCISCO BAY AT CALAVERAS POINT CALIF	372818	1220348	006	001	ES			1978		A				USGS	D
18050004	S SAN FRANCISCO BAY	374330	1221812	006	001	ES			1960	1964			B		CA104	P
18050004	SF BAY NR ISLAIS C	374513	1222049	006	075	ES			1960	1964			B		CA104	P
18050004	SF BAY NR TREASURE	374941	1222113	006	001	ES			1960	1964			B		CA104	P
18050004	S F BAY NR OYSTER PT	373930	1222212	006	075	ES			1960	1964			B		CA104	P
18050004	SO SF BAY NR CANDLESTICK PT	374130	1220006	006	081	ES			1960	1964			B		CA104	P
18050004	CENTRAL SOUTH SF BAY	373836	1221846	006	081	ES			1960	1964			B		CA104	P
18050004	SO SF BAY NR SAN LEANDRO CHANNEL	374030	1221330	006	001	ES			1960	1964			B		CA104	P
18050004	COYOTE PT	373600	1221900	006	081	ES			1960	1964			B		CA104	P
18050004	SF BAY NR SAN MATEO BR	373507	1221506	006	081	ES			1960	1964			B		CA104	P
18050004	SF BAY NR BERKELEY PIER	375106	1222000	006	001	ES			1960	1964			B		CA104	P
18050004	SO SAN FRANCISCO BAY	373227	1221033	006	081	ES			1960	1964			B		CA104	P
18050004	COYOTE HILLS	373335	1220945	006	001	ES			1960	1964			B		CA104	P
18050004	CENT SO SAN FRANCISCO BAY	373450	1221145	006	081	ES			1960	1964			B		CA104	P
18050004	SAN FRANCISCO BAY NR DUMBARTON BR	373026	1220707	006	081	ES			1960	1964			B		CA104	P
18050004	BELMONT SLOUGH	373147	1221557	006	081	ES			1972				Q		CA113	
18050004	BELMONT SLOUGH	373157	1221557	006	081	ES			1972				Q		CA113	
18050004	SF BAY NR SAN MATEO BR	373509	1221527	006	081	ES			1969				A		CA113	
18050004	SF BAY NR SAN MATEO BR	373452	1221518	006	081	ES			1969				A		CA113	
18050004	SF BAY NR SAN MATEO BR	373453	1221517	006	081	ES			1969				A		CA113	
18050004	SF BAY NR SAN MATEO BR	373451	1221517	006	081	ES			1969				A		CA113	
18050004	SF BAY NR SAN MATEO BR	373450	1221520	006	081	ES			1969				A		CA113	
18050004	SF BAY NR SAN MATEO BR	373454	1221521	006	081	ES			1969				A		CA113	
18050004	SF BAY NR SAN MATEO BR	373450	1221515	006	081	ES			1969				A		CA113	
18050004	FOSTER CITY LAGOON	373243	1221606	006	081	ES			1974				Q		CA113	
18050004	FOSTER CITY LAGOON	373314	1221620	006	081	ES			1974				Q		CA113	
18050004	FOSTER CITY MARINA	373332	1221517	006	081	ES			1974				Q		CA113	
18050004	FOSTER CITY LAGOON	373355	1221535	006	081	ES			1974				Q		CA113	
18050004	FOSTER CITY LAGOON	373358	1221551	006	081	ES			1974				Q		CA113	
18050004	SF BAY CENTRAL SO BAY	373337	1221231	006	081	ES			1975				A		CA113	
18050004	SF BAY CENTRAL SO BAY	373348	1221242	006	081	ES			1975				A		CA113	
18050004	SF BAY CENTRAL SO BAY	373346	1221243	006	081	ES			1975				A		CA113	

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18050004	SF BAY CENTRAL SO BAY	373347	1221245	006	081	ES			1975				A		CA113	
18050004	SF BAY CENTRAL SO BAY	373346	1221245	006	081	ES			1975				A		CA113	
18050004	SF BAY CENTRAL SO BAY	373346	1221248	006	081	ES			1975				A		CA113	
18050004	OYSTER PT	373937	1222143	006	081	ES			1971				B		CA113	
18050004	S F BAY NR OYSTER PT	373952	1222143	006	081	ES			1971				B		CA113	
18050004	OYSTER PT	373951	1222142	006	081	ES			1971				B		CA113	
18050004	OYSTER PT	373950	1222141	006	081	ES			1971				B		CA113	
18050004	OYSTER PT	373950	1222147	006	081	ES			1971				B		CA113	
18050004	OYSTER PT	373949	1222146	006	081	ES			1971				B		CA113	
18050004	OAKLAND INNER HARBOR	374720	1221558	006	001	ES			1971		B	B			USCE	P
18050004	COLMA CREEK AT SOUTH SAN FRANCISCO CALIF	373914	1222531	006	081	SW	10.80	003	1964		3	N		3	USGS	D
18050004	SPRUCE BRANCH AT SOUTH SAN FRANCISCO CALIF	373846	1222515	006	081	SW	.70	024	1964	1969	2	A		2	USGS	D
18050004	REDWOOD CREEK AT REDWOOD CITY, CALIF.	372658	1221357	006	081	SW	1.82	003	1970	1971	A	A		A	USGS	D
18050004	ARROYO MOCHO NEAR PLEASANTON, CALIF.	374126	1215220	006	001	SW	142.00	014	1970	1971	A	A		A	USGS	D
18050004	ARROYO VALLE BL LANG CN NR LIVERMORE CALIF	373341	1214058	006	001	SW	130.00	004	1972		O	A		O	USGS	D
18050004	ARROYO VALLE NEAR LIVERMORE CALIF	373724	1214528	006	001	SW	147.00	124	1959		2	A		2	USGS	D
18050004	ALAMEDA CREEK NR NILES CALIF	373514	1215735	006	001	SW	633.00	124	1952		2	E		2	USGS	D
18050004	CASTRO VALLEY CREEK AT HAYWARD, CALIF.	374048	1220446	006	001	SW	5.51	003	1971		E	E		E	USGS	D
18050004	PERALTA C AT OAKLAND, CALIF.	374659	1221306	006	001	SW	1.67		1972	1973	R	A		R	USGS	D
18050004	SAN FRANCISCO BAY AT RAVENSWOOD POINT CALIF	373106	1220806	006	081	ES			1978		A				USGS	D
18050004	SAN FRANCISCO BAY AT REDWOOD POINT CALIF	373318	1221130	006	081	ES			1978		A				USGS	D
18050004	SAN FRANCISCO BAY AT COYOTE POINT CALIF	373706	1221730	006	081	ES			1978		A				USGS	D
18050004	SAN FRANCISCO BAY AT CANDLESTICK POINT CALIF	374200	1222018	006	081	ES			1978		A				USGS	D
18050004	SAN FRANCISCO BAY AT BAY BRIDGE CALIF	374800	1222212	006	075	ES			1978		A				USGS	D
18050005	PACIFIC OCEAN NR HALF MOON BAY	372823	1222700	006	081	OC			1959			S	B		CA113	
18050005	PACIFIC OCEAN NR HALF MOON BAY	372824	1222700	006	081	OC			1959			S	B		CA113	
18050005	PACIFIC OCEAN NR HALF MOON BAY	372822	1222700	006	081	ES			1959			S	B		CA113	
18050005	MORSES C AT BOLINAS CALIF	375509	1224009	006	041	SW	.70	004	1967	1969	N	A		N	USGS	D
18050005	AUDUBON C NR BOLINAS CALIF	375547	1224051	006	041	SW	.46	004	1967	1969	K	A		K	USGS	D
18050005	PINE CR AT BOLINAS CALIF	375507	1224131	006	041	SW	7.83	124	1967	1970	2	A		2	USGS	D
18050005	WALKER CREEK NEAR TOMALES, CALIFORNIA	381235	1225135	006	041	SW	37.10	004	1970	1972	N	A		N	USGS	D
18050006	PESCADERO CREEK NEAR PESCADERO CALIF	371539	1221940	006	081	SW	45.90	124	1964		A	A		A	USGS	D
18050006	BUTANO CREEK NEAR PESCADERO, CALIF.	371401	1222156	006	081	SW	18.30	024	1970	1973	A	A		A	USGS	D
18060001	MONTEREY BAY	364815	1214704	006	053	ES			1974	1976			Q		CA103	P

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18060001	MOSS LANDING VICINITY	364742	1214706	006	053	ES			1974	1976			H		CA103	P
18060001	MONTEREY BAY	364809	1214726	006	053	ES			1973				S		CA114	
18060001	MONTEREY BAY	364810	1214729	006	053	ES			1973				S		CA114	
18060001	S OF SANTA BARBARA	342445	1193957	006	083	OC			1973				A		CA114	
18060001	S OF SANTA BARBARA	342445	1193951	006	083	OC			1973				A		CA114	
18060001	S OF SANTA BARBARA	342445	1193946	006	083	OC			1973				A		CA114	
18060001	S OF SANTA BARBARA	342440	1193932	006	083	OC			1973				A		CA114	
18060001	MONTEREY BAY	364206	1214857	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	364203	1214857	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	364150	1214859	006	053	ES			1976				A		CA114	
18060001	CARMEL BAY	363201	1215548	006	053	ES			1971				S		CA114	
18060001	CARMEL BAY	363213	1215545	006	053	ES			1971				S		CA114	
18060001	MONTEREY BAY	363624	1215219	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363628	1215215	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363625	1215213	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363620	1215223	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363624	1215225	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363641	1215147	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363644	1215150	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363704	1215116	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363709	1215110	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363659	1215122	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	363716	1215103	006	053	ES			1976				A		CA114	
18060001	MONTEREY BAY	365650	1220225	006	087	ES			1953				A		CA114	
18060001	MONTEREY BAY	365653	1220220	006	087	ES			1953				A		CA114	
18060001	MONTEREY BAY	365647	1220220	006	087	ES			1953				A		CA114	
18060001	MONTEREY BAY	365647	1220230	006	087	ES			1953				A		CA114	
18060001	MONTEREY BAY	365653	1220230	006	087	ES			1953				A		CA114	
18060001	MONTEREY BAY	365646	1220258	006	087	ES			1953				A		CA114	
18060001	MONTEREY BAY	365100	1214921	006	087	ES			1974				A		CA114	
18060001	MONTEREY BAY	365103	1214940	006	087	ES			1974				A		CA114	
18060001	MONTEREY BAY	365110	1214938	006	087	ES			1974				A		CA114	
18060001	MONTEREY BAY	365057	1214902	006	087	ES			1974				A		CA114	
18060001	MONTEREY BAY	365051	1214910	006	087	ES			1974				A		CA114	

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18060001	MONTEREY BAY	365200	1214942	006	087	ES			1974				A		CA114	
18060001	MONTEREY BAY	365157	1215004	006	087	ES			1974				A		CA114	
18060001	MONTEREY BAY	364548	1215020	006	053	ES			1975				B		CA114	
18060001	APTOS CREEK NEAR APTOS, CALIF.	370006	1215418	006	087	SW	10.20	004	1975	1977	E	E	E		USGS	D
18060001	SOQUEL CR AT SOQUEL CALIF	365929	1215717	006	087	SW	40.20	024	1952		E	M	E		USGS	D
18060001	SAN LORENZO RIVER NEAR BOULDER CREEK, CALIF.	371224	1220838	006	087	SW	6.17	004	1973		E	E	E	E	USGS	D
18060001	SAN LORENZO R AT BOULDER CREEK CALIF	370831	1220758	006	087	SW	22.90	024	1973	1975	M	M	M		USGS	D
18060001	BOULDER C AT BOULDER CREEK CALIF	370736	1220718	006	087	SW	11.30	024	1973		E	M	E		USGS	D
18060001	FALL C AT FELTON CALIF	370333	1220442	006	087	SW	4.94	124	1973		A	A	E	A	USGS	D
18060001	ZAYANTE CREEK AT ZAYANTE CALIF	370510	1220245	006	087	SW	11.10	024	1970		E	E	E	2	USGS	D
18060001	SAN LORENZO R AT BIG TREES CALIF	370240	1220417	006	087	SW	106.00	124	1952		0	Q	A	0	USGS	D
18060002	MONTEREY BAY	364756	1214754	006	053	ES			1973				S		CA114	
18060002	PAJARO R AT CHITTENDEN CA	365401	1213548	006	087	SW			1977		0	M			USCE	
18060002	CEDAR CREEK NEAR BELL STATION, CALIF.	370300	1211935	006	085	SW	12.80	004	1970	1971		E			USGS	
18060002	LLAGAS C AB CHESBRO RES NR MORGAN HILL CALIF	370854	1214602	006	085	SW	9.63	004	1970		2	A		2	USGS	D
18060002	UVAS C AB UVAS RES NEAR MORGAN HILL CA	370534	1214302	006	085	SW	21.00	124	1964		2	A	E	2	USGS	D
18060002	BODFISH CREEK NEAR GILROY, CALIF.	370015	1213958	006	085	SW	7.40	004	1970	1971		E			USGS	
18060002	PAJARO R AT CHITTENDEN, CA.	365401	1213548	006	087	SW	1186.00	124	1952		M	M		M	USGS	D
18060002	CORRALITOS CR AT FREEDOM CA.	365622	1214610	006	087	SW	27.80	024	1975	1977	E	E	E		USGS	D
18060002	FY76 CHANGE OPERATION OWDC70071 TO	365401	1213548	006	069	SW			1977		0	M	M		USGS	P
18060005	MORRO BAY	352114	1205049	006	079	ES			1973				B		USCE	P
18060005	SANTA RITA C TR NR TEMPLETON CAL	353203	1205047	006	079	SW	2.95	024	1966	1971	2	A		2	USGS	D
18060005	SANTA RITA C NR TEMPLETON CALIF	353126	1204554	006	079	SW	18.20	014	1966	1973	2	A	A	2	USGS	D
18060005	NACIMIENTO R NR BRYSON CALIF	354806	1210650	006	053	SW	140.00	004	1959	1970	2	E		2	USGS	D
18060005	NACIMIENTO R BEL SAPAQUE C NR BRYSON CALIF	354719	1210534	006	079	SW	156.00	004	1970	1978	2	A		2	USGS	D
18060005	NACIMIENTO R NR SAN MIGUEL CALIF	354700	1204724	006	079	SW	343.00	004	1908	1951	M	A			USGS	P
18060005	SAN ANTONIO R AT SAM JNS BR NR LOCKWOOD CA	355445	1210750	006	053	SW	211.00	004	1959	1965	3	A		2	USGS	D
18060005	SAN ANTONIO RIVER NEAR LOCKWOOD CALIF	355348	1210514	006	053	SW	223.00	024	1964	1978	2	A	N	2	USGS	D
18060005	SAN ANTONIO R AT PLEYTO CALIF	355155	1205930	006	053	SW	284.00	024	1960	1966	4	E	E	3	USGS	D
18060005	SALINAS RIVER NEAR BRADLEY, CA.	355549	1205204	006	053	SW	2535.00	124	1958			E			USGS	P
18060005	ARROYO SECO NR GREENFIELD CALIF	361415	1212850	006	053	SW	113.00	024	1961	1978	0	A		0	USGS	D
18060005	SALINAS R NR CHUALAR CALIF	363314	1213250	006	053	SW	4042.00	014	1965		2	E		2	USGS	D
18060005	SALINAS RIVER NR SPRECKELS CALIF	363752	1214017	006	053	SW	4156.00	014	1951		0	E		0	USGS	D
18060006	S OF OCEANO	350203	1203816	006	079	OC			1974				A		CA114	

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18060006	S OF OCEANO	350158	1203810	006	079	OC			1974				A		CA114	
18060006	S OF OCEANO	350158	1203822	006	079	OC			1974				A		CA114	
18060006	S OF OCEANO	350208	1203822	006	079	OC			1974				A		CA114	
18060006	S OF OCEANO	350208	1203810	006	079	OC			1974				A		CA114	
18060006	S OF OCEANO	350256	1203816	006	079	OC			1974				A		CA114	
18060006	S OF OCEANO	350256	1203829	006	079	OC			1974				A		CA114	
18060006	N OF POINT ESTERO	353638	1210849	006	079	OC			1971				A		CA114	
18060006	N OF POINT ESTERO	353637	1210852	006	079	OC			1971				A		CA114	
18060006	N OF POINT ESTERO	353647	1210854	006	079	OC			1971				A		CA114	
18060006	OCEANO	350558	1203851	006	079	OC			1976				S		CA114	
18060006	OCEANO	350548	1203845	006	079	OC			1976				S		CA114	
18060006	OCEANO	350548	1203858	006	079	OC			1976				S		CA114	
18060006	OCEANO	350609	1203858	006	079	OC			1976				S		CA114	
18060006	OCEANO	350611	1203845	006	079	OC			1976				S		CA114	
18060006	OCEANO	350453	1203844	006	079	OC			1976				S		CA114	
18060006	OCEANO	350453	1203857	006	079	OC			1976				S		CA114	
18060006	PISMO BEACH	350620	1203847	006	079	OC			1974				A		CA114	
18060006	PISMO BEACH	350806	1203847	006	079	OC			1974				A		CA114	
18060006	OCEANO	350621	1203920	006	079	OC			1974				A		CA114	
18060006	MORRO BAY	352201	1205151	006	079	ES			1973				B		USCE	P
18060006	MORRO BAY	352218	1205130	006	079	ES			1973				B		USCE	P
18060006	MORRO BAY	352219	1205133	006	079	ES			1973				B		USCE	P
18060006	MORRO BAY	352211	1205124	006	079	ES			1973				B		USCE	P
18060006	MORRO BAY	352137	1205105	006	079	ES			1973				B		USCE	P
18060006	ARROYO GRANDE AB PHOENIX C NR ARROYO GRANDE	351103	1202611	006	079	SW	13.50	004	1966		E	A		E	USGS	D
18060006	LOPEZ C NR ARROYO GRANDE CALIF	351348	1202822	006	079	SW	21.60	024	1966		2	E	E	2	USGS	D
18060008	SANTA MARIA R AT GUADALUPE CA	345835	1203415	006	083	SW	1741.00	124	1967	1969	2	A		2	USGS	D
18060009	SEEP STATION	342408	1205148	006	083	ES			1975				H		CA105	
18060009	CONTROL STATION	342408	1205056	006	083	ES			1975				H		CA105	
18060009	CARPINTERIA	342314	1193102	006	083	OC			1972				A		CA114	
18060009	CARPINTERIA	342314	1193120	006	083	OC			1976				A		CA114	
18060009	CARPINTERIA	342316	1193126	006	083	OC			1976				A		CA114	
18060009	CARPINTERIA	342319	1193132	006	083	OC			1976				A		CA114	
18060009	CARPINTERIA	342307	1193105	006	083	OC			1976				A		CA114	

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18060009	WATER COLUMN	342350	1194000	006	083	ES			1972				S		CA114	
18060009	SEDIMENTS & BIOTA	342427	1194000	006	083	ES			1972				S		CA114	
18060009	SEDIMENTS & BIOTA	342323	1194111	006	083	OC			1972				S		CA114	
18060009	SEDIMENTS & BIOTA	342438	1193941	006	083	ES			1972				S		CA114	
18060009	SURF STATIONS	342335	1193956	006	083	ES			1972				S		CA114	
18060009	SURF STATIONS	342404	1194106	006	083	ES			1972				B		CA114	
18060009	SEDIMENTS & BIOTA	342453	1193824	006	083	ES			1972				S		CA114	
18060009	GOLETA PT	342404	1194915	006	083	OC			1971				A		CA114	
18060009	GOLETA PT.	342403	1194923	006	083	OC			1971				A		CA114	
18060009	GOLETA PT.	342403	1194927	006	083	OC			1971				A		CA114	
18060009	GOLETA PT.	342402	1194939	006	083	OC			1971				A		CA114	
18060009	GOLETA PT.	342400	1195005	006	083	OC			1971				A		CA114	
18060009	GOLETA PT	342355	1195040	006	083	OC			1971				A		CA114	
18060010	SANTA CLARA R AT DIV NR SATICOY CA	343830	1202550	006	083	SW			1967	1975	O	B	B		USGS	D
18060010	SANTA YNEZ RIVER NEAR BUELLTON, CALIF.	343638	1201453	006	083	SW	668.00	014	1965	1968	N	E		N	USGS	D
18060010	SALSIPUEDES CR NR LOMPOC	343519	1202427	006	083	SW	47.10	024	1965		E	E		E	USGS	D
18060011	MONTEREY BAY	364805	1214709	006	053	ES			1974	1976			Q		CA103	P
18060011	MONTEREY BAY	364824	1214703	006	053	ES			1974	1976			Q		CA103	P
18060011	KIRBY PARK	364940	1214434	006	053	ES			1974	1976			H		CA103	P
18060011	VIERRA	364812	1214630	006	053	ES			1974	1976			H		CA103	P
18060013	CARPINTERIA	342305	1193030	006	083	OC			1972				A		CA114	
18060013	CARPINTERIA	342306	1193032	006	083	OC			1972				A		CA114	
18060013	CARPINTERIA	342306	1193035	006	083	OC			1972				A		CA114	
18060013	SURF STATIONS OFF PT. CASTILLO	342417	1194126	006	083	ES			1972				S		CA114	
18060013	GOLETA PT.	342403	1194931	006	083	OC			1971				A		CA114	
18070001	PACIFIC OCEAN	340721	1191054	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340636	1190904	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340821	1191138	006	111	ES			1968	1971			B		CA115	
18070001	PACIFIC OCEAN	340817	1191141	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340810	1191146	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340748	1191044	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340745	1191047	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340739	1191054	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340729	1191018	006	111	ES			1968				B		CA115	

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18070001	PACIFIC OCEAN	340727	1191021	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340713	1191103	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340712	1190954	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340710	1190958	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340702	1191005	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340639	1190901	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340629	1190911	006	111	ES			1968				B		CA115	
18070001	PACIFIC OCEAN	340821	1191138	006	111	ES			1968	1971			B		CA115	
18070001	PACIFIC OCEAN	340817	1191141	006	111	ES			1969	1971			B		CA115	
18070001	PACIFIC OCEAN	340810	1191146	006	111	ES			1968	1971			B		CA115	
18070001	PACIFIC OCEAN	340727	1191021	006	111	ES			1969	1971			B		CA115	
18070001	PACIFIC OCEAN	340721	1191054	006	111	ES			1969	1971			B		CA115	
18070001	PACIFIC OCEAN	340713	1191103	006	111	ES			1968	1971			B		CA115	
18070001	PACIFIC OCEAN	340710	1190958	006	111	ES			1968	1971			B		CA115	
18070001	PACIFIC OCEAN	340702	1191005	006	111	ES			1969	1971			B		CA115	
18070001	PACIFIC OCEAN	340629	1190911	006	111	ES			1969	1971			B		CA115	
18070003	KING HARBOR	335042	1182348	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335045	1182357	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335047	1182352	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335049	1182349	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335051	1182344	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335045	1182342	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335050	1182400	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335058	1182352	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335032	1182333	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335028	1182337	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335029	1182340	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335033	1182338	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335036	1182337	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335033	1182346	006	037	ES			1974		Q		A		CA066	
18070003	KING HARBOR	335038	1182353	006	037	ES			1974		Q		A		CA066	
18070003	LOS ANGELES-LONG BEACH HARBOR	334144	1181435	006	037	ES			1973				Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334302	1181636	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES-LONG BEACH HARBORS	334439	1181456	006	037	ES			1973				Q		CA115	

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18070003	LOS ANGELES-LONG BEACH HARBORS	334332	1181413	006	037	ES			1973				Q		CA115	
18070003	LOS ANGELES-LONG BEACH HARBORS	334249	1181459	006	037	ES			1973				Q		CA115	
18070003	LOS ANGELES-LONG BEACH HARBOR	334308	1181536	006	037	ES			1973				Q		CA115	
18070003	LOS ANGELES-LONG BEACH HARBORS	334411	1181536	006	037	ES			1973				Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334313	1181605	006	037	ES			1973				Q		CA115	
18070003	LOS ANGELES-LONG BEACH HARBORS	334227	1181621	006	037	ES			1973				Q		CA115	
18070003	LONG BEACH HARBOR	334417	1181235	006	037	ES			1974				Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334415	1181349	006	037	ES			1973	1975			Q		CA115	
18070003	LONG BEACH HARBOR	334544	1181308	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334536	1181304	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334605	1181346	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334613	1181317	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334632	1181241	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334616	1181238	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334602	1181315	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334558	1181314	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334554	1181313	006	037	ES			1974	1977			Q		CA115	
18070003	LONG BEACH HARBOR	334551	1181312	006	037	ES			1974	1977			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334412	1181607	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334227	1181621	006	037	ES			1973				Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334450	1181303	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334551	1181312	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334634	1181233	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334604	1181355	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334239	1181046	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334349	1181229	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334348	1181120	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334431	1181136	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334417	1181234	006	037	ES			1973	1975			Q		CA115	
18070003	LOS ANGELES LONG BEACH HARBORS	334338	1181345	006	037	ES			1973	1975			Q		CA115	
18070003	KING HARBOR-INTERTIDAL UNSTA SUBST	335054	1182402	006	037	ES			1974				Q		CA120	
18070003	KING HARBOR-INTERTIDAL UNSTA SUBST	335105	1182354	006	037	ES			1974				Q		CA120	
18070003	KING HARBOR-INTERTIDAL UNSTA SUBST	335112	1182355	006	037	ES			1974				Q		CA120	
18070003	KING HARBOR INTERTIDAL UNSTA SUBST	335200	1182412	006	037	ES			1974				Q		CA120	

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18070003	KING HARBOR INTERTIDAL UNSTA SUBST	335228	1182424	006	037	ES			1974				Q		CA120	
18070003	KING HARBOR-INTERTIDAL UNSTA SUBST	335014	1182324	006	037	ES			1974				Q		CA120	
18070003	KING HARBOR-INTERTIDAL UNSTA SUBST	334944	1182325	006	037	ES			1974				Q		CA120	
18070003	KING HARBOR-INTERTIDAL UNSTA SUBST	334914	1182324	006	037	ES			1974				Q		CA120	
18070005	LOS ANGELES-LONG BEACH HARBORS	334405	1181047	006	037	ES			1973	1975			Q		CA115	
18070005	LOS ANGELES-LONG BEACH HARBORS	334500	1181049	006	037	ES			1973	1975			Q		CA115	
18070005	LOS ANGELES-LONG BEACH HARBORS	334445	1180940	006	037	ES			1973	1975			Q		CA115	
18070005	LOS ANGELES-LONG BEACH HARBORS	334427	1180740	006	037	ES			1973	1975			Q		CA115	
18070005	LOS ANGELES-LONG BEACH HARBORS	334358	1180813	006	037	ES			1973	1975			Q		CA115	
18070005	LOS ANGELES-LONG BEACH HARBORS	334354	1180938	006	037	ES			1973	1975			Q		CA115	
18070005	LOS ANGELES LONG BEACH HARBORS	334335	1180604	006	037	ES			1973	1975			Q		CA115	
18070005	LOS ANGELES LONG BEACH HARBORS	334408	1180642	006	037	ES			1973	1975			Q		CA115	
18070005	LOS ANGELES LONG BEACH HARBORS	334335	1180604	006	037	ES			1973	1975			Q		CA115	
18070005	PAC OC S HUNTINGTON BEACH PIER	333841	1175953	006	059	ES			1974				A		CA118	
18070005	PAC OC N SANTA ANA RIVER	333823	1175854	006	059	ES			1974				A		CA118	
18070005	PAC OC N SANTA ANA RIVER	333822	1175853	006	059	ES			1974				A		CA118	
18070005	PAC OC E NEWPORT BAY	333506	1180300	006	059	ES			1969				Q		CA118	
18070005	PAC OC E NEWPORT BAY	333625	1180146	006	059	ES			1969				Q		CA118	
18070005	PAC OC E NEWPORT BAY	333548	1180348	006	059	ES			1969				Q		CA118	
18070005	PAC OC E NEWPORT BAY	333454	1180203	006	059	ES			1969				Q		CA118	
18070007	PAC OC N SANTA ANA RIVER	333821	1175851	006	059	ES			1974				A		CA118	
18070007	PAC OC N SANTA ANA RIVER	333814	1175838	006	059	ES			1974				A		CA118	
18070007	PAC OC E NEWPORT BAY	333433	1180031	006	059	ES			1969				Q		CA118	
18070007		333437	1180049	006	059	ES			1969				Q		CA118	
18070007		333454	1180203	006	059	ES			1969				Q		CA118	
18070007	PAC OC E NEWPORT BAY	333550	1180007	006	059	ES			1969				Q		CA118	
18070007	PAC OCE E NEWPORT BAY	333538	1175817	006	059	ES			1969				Q		CA118	
18070007	PAC OC E NEWPORT BAY	333449	1180025	006	059	ES			1969				Q		CA118	
18070007	PAC OCE E NEWPORT BAY	333417	1180036	006	059	ES			1969				Q		CA118	
18070007	PAC OCE E NEWPORT BAY	333424	1175952	006	059	ES			1969				Q		CA118	
18070007	PAC OC E NEWPORT BAY	333446	1180126	006	059	ES			1969				Q		CA118	
18070007	PAC OC E NEWPORT BAY	333515	1180100	006	059	ES			1969				Q		CA118	
18070007	PAC OC E NEWPORT BAY	333520	1180016	006	059	ES			1969				Q		CA118	
18070007	PAC OCE E NEWPORT BAY	333456	1175940	006	059	ES			1969				Q		CA118	

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18070007	PAC OCE E NEWPORT BAY	333420	1175935	006	059	ES			1969				Q		CA118	
18070008	DOHNEY BEACH OFFSHORE	332706	1174012	006	059	OC			1971		M				CA059	
18070008	DOHNEY BEACH OFFSHORE	332712	1174025	006	059	OC			1971		M				CA059	
18070008	DOHNEY BEACH OFFSHORE	332720	1174033	006	059	OC			1971		M				CA059	
18070008	DOHNEY BEACH OFFSHORE	332725	1174044	006	059	OC			1971		M				CA059	
18070008	DOHNEY BEACH OFFSHORE	332730	1174053	006	059	OC			1971		M				CA059	
18070008	DOHNEY BEACH OFFSHORE	332730	1174106	006	059	OC			1971		M				CA059	
18070008	PAC OCE E NEWPORT BAY	333412	1175858	006	059	ES			1969				Q		CA118	
18070008	PAC OC E NEWPORT BEACH	333358	1175800	006	059	ES			1969				Q		CA118	
18070008		332204	1173344	006	073	OC			1964				H		CA119	
18070008		332149	1173314	006	073	OC			1964				H		CA119	
18070008		332139	1173254	006	073	OC			1964				H		CA119	
18070008		332127	1173234	006	073	OC			1964				H		CA119	
18070008		332119	1173214	006	073	OC			1964				H		CA119	
18070008		332151	1173340	006	073	OC			1964				S		CA119	
18070008		332155	1173400	006	073	OC			1964				H		CA119	
18070008		332211	1173421	006	073	OC			1964				H		CA119	
18070008		332130	1173300	006	073	OC			1964				H		CA119	
18070008		332050	1173206	006	073	OC			1964				H		CA119	
18070008		332130	1173326	006	073	OC			1964				H		CA119	
18070008		332210	1173446	006	073	OC			1964				H		CA119	
18070008		332110	1173246	006	073	OC			1964				H		CA119	
18070008		332221	1173507	006	073	OC			1964				H		CA119	
18070008		332134	1173353	006	073	OC			1964				H		CA119	
18070008		332124	1173333	006	073	OC			1964				B		CA119	
18070008		332154	1173434	006	073	OC			1964				H		CA119	
18070008		332135	1173419	006	073	OC			1964				H		CA119	
18070008		332115	1173339	006	073	OC			1964				H		CA119	
18070008		332208	1173429	006	073	OC			1974				Q		CA119	
18070008		332145	1173354	006	073	OC			1974				Q		CA119	
18070008		332143	1173346	006	073	OC			1974				Q		CA119	
18070008		331816	1172922	006	073	OC			1974				Q		CA119	
18070008		331755	1172908	006	073	OC			1974				Q		CA119	
18070008	PACIFIC OCEAN	332558	1174130	006	059	OC			1976	1976			B		CA119	

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18070008	PACIFIC OCEAN	332541	1174142	006	059	OC			1976	1976			Q		CA119	
18070008	PACIFIC OCEAN	332551	1174204	006	059	OC			1976	1976			B		CA119	
18070008	PACIFIC OCEAN	332607	1174152	006	059	OC			1976	1976			B		CA119	
18070008	PACIFIC OCEAN	332554	1174147	006	059	OC			1976	1976			B		CA119	
18070008	PACIFIC OCEAN	332504	1174052	006	059	OC			1976	1976			B		CA119	
18070008	PACIFIC OCEAN	332625	1174239	006	059	OC			1976	1976			B		CA119	
18070008	PACIFIC OCEAN	332545	1173801	006	059	OC			1974				A		CA119	
18070008	PACIFIC OCEAN	332537	1173752	006	059	OC			1974				A		CA119	
18070008	PACIFIC OCEAN	332533	1173757	006	059	OC			1974				A		CA119	
18070008	PACIFIC OCEAN	332542	1173806	006	059	OC			1974				A		CA119	
18070008	PACIFIC OCEAN	332540	1173759	006	059	OC			1974				A		CA119	
18070008	PACIFIC OCEAN	332614	1173846	006	059	OC			1974				A		CA119	
18070008	PACIFIC OCEAN	333207	1174732	006	059	OC			1957				A		CA119	
18070008	PACIFIC OCEAN	333205	1174721	006	059	OC			1957				A		CA119	
18070008	PACIFIC OCEAN	333159	1174727	006	059	OC			1957				A		CA119	
18070008	PACIFIC OCEAN	333209	1174724	006	059	OC			1957				A		CA119	
18070008	PACIFIC OCEAN	333203	1174726	006	059	OC			1957				A		CA119	
18070008	PACIFIC OCEAN	333215	1174722	006	059	OC			1957				A		CA119	
18070008	PACIFIC OCEAN	333214	1174730	006	059	OC			1957				A		CA119	
18070008	PACIFIC OCEAN	333212	1174718	006	059	OC			1957				A		CA119	
18070008	PACIFIC OCEAN	333205	1174724	006	059	OC			1957				A		CA119	
18070010	PACIFIC OCEAN	330624	1172046	006	073	OC			1977				S		CA119	
18070010	PACIFIC OCEAN	330800	1172139	006	073	OC			1977				S		CA119	
18070010	PACIFIC OCEAN	330622	1172058	006	073	ES			1977				B		CA119	
18070010	PACIFIC OCEAN	330639	1172105	006	073	ES			1977				B		CA119	
18070010	PACIFIC OCEAN	330631	1172056	006	073	ES			1977				B		CA119	
18070010	PACIFIC OCEAN	330947	1172330	006	073	OC			1974				S		CA119	
18070010	PACIFIC OCEAN	330956	1172336	006	073	OC			1974				S		CA119	
18070010	PACIFIC OCEAN	331003	1172328	006	073	OC			1974				S		CA119	
18070010	PACIFIC OCEAN	330954	1172322	006	073	OC			1974				S		CA119	
18070010	PACIFIC OCEAN	330955	1172329	006	073	OC			1974				S		CA119	
18070010	PACIFIC OCEAN	330919	1172250	006	073	OC			1974				S		CA119	
18070010	PACIFIC OCEAN	331026	1172417	006	073	OC			1974				B		CA119	
18070011	IMPERIAL BEACH	323440	1170800	006	073	ES			1976	1976			Y		CA070	

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
18070011	FY77 DISCONTINUE OWDC P1134	324602	1171627	006	073	ES			1977	1977			Q		CA119	
18070011	PAC OC NR SAN ELIJO LAGOON	330027	1171816	006	073	ES			1977				B		CA119	
18070011	PAC OC NR SAN ELIJO LAGOON	330025	1171823	006	073	ES			1977				Q		CA119	
18070011	PAC OC NR SAN ELIJO LAGOON	330015	1171820	006	073	ES			1977				B		CA119	
18070011	PAC OC NR SAN ELIJO LAGOON	330021	1171818	006	073	ES			1977				B		CA119	
18070011	PAC OC NR SAN ELIJO LAGOON	330200	1171901	006	073	ES			1977				B		CA119	
18070011	PACIFIC OCEAN	323954	1171630	006	073	OC			1957				Q		CA119	
18070011	PACIFIC OCEAN	324601	1171649	006	073	ES			1977				Q		CA119	
18070011	PAC OC NR SAN ELIJO LAGOON	325836	1171752	006	073	OC			1977				S		CA119	
18070011	MISSION BAY	324526	1171527	006	073	ES			1971				B		USCE	
18070011	MISSION BAY	324523	1171525	006	073	ES			1971				B		USCE	
18070011	MISSION BAY	324525	1171515	006	073	ES			1971				B		USCE	
18070101	SAN ANTONIO CREEK AT CASITAS SPRINGS CALIF	342249	1191813	006	111	SW	51.20	014	1976	1977	O			O	USGS	D
18070101	SAN ANTONIO C AT CASITAS SPRINGS	342249	1191813	006	111	SW			1977		B	B	B		USGS	D
18070101	VENTURA RIVER NR VENTURA CALIF	342108	1191827	006	111	SW	188.00	014	1966		O	A		O	USGS	D
18070102	ELIZABETH LAKE CN C AB CASTAIC CAL	343340	1183410	006	037	SW			1965	1966	A	A		A	USGS	D
18070102	FISH C AB CASTAIC C NR CASTAIC CA	343609	1183943	006	037	SW	27.20	004	1965	1966	A	E		A	USGS	D
18070102	CASTAIC C AB GORDON RANCH HOUSE NR CASTAIC C	343551	1183946	006	037	SW	64.20	004	1965	1967	N	N		N	USGS	D
18070102	SANTA CLARA R AT LOS ANGELES-VENTURA CO LINE	342359	1184214	006	111	SW	625.00		1951		O	E		O	USGS	D
18070102	PIRU C BL BUCK CREEK CA	343957	1184922	006	111	SW		004	1965	1966	A			A	USGS	D
18070102	CANADA DE LOS ALAMOS BL APPLE CANYON CA	344044	1184701	006	037	SW		004	1965	1966	A	E		A	USGS	D
18070102	PIRU CR AB FRENCHMANS FLAT CA	343743	1184442	006	037	SW	308.00	004	1965		E	E		E	USGS	D
18070102	PIRU CREEK ABOVE LAKE PIRU CALIF	343140	1184521	006	111	SW	372.00		1965		E	E		E	USGS	D
18070102	HOPPER CREEK NR PIRU CALIF	342403	1184932	006	111	SW	23.60	004	1969		W			O	USGS	D
18070102	HOPPER C NR PIRU CA	342403	1184932	006	111	SW			1977		B	B	B		USGS	D
18070102	SESPE CREEK NR WHEELER SPRINGS CALIF	343440	1191525	006	111	SW	49.50	004	1956	1978	E	E			USGS	D
18070102	SESPE CREEK NR FILLMORE CALIF	342703	1185530	006	111	SW	251.00	024	1965		O	E		O	USGS	D
18070102	SANTA CLARA R AT SATICOY CALIF	341629	1190811	006	111	SW	1595.00	004	1969	1969	O	Q	A		USGS	P
18070102	SANTA CLARA RIVER AT MONTALVO CALIF	341431	1191121	006	111	SW	1594.00	124	1966		O	A		O	USGS	D
18070103	ARROYO SIMI NR SIMI CALIF	341641	1184743	006	111	SW	70.60		1967		O	A		O	USGS	D
18070103	CALLEGUAS CREEK AT CAMARILLO CALIF	341046	1190220	006	111	SW	248.00		1967		O	A		O	USGS	D
18070104	KING HARBOR	335057	1182356	006	037	ES			1974		Q		A		CA066	
18070104	KING HARBOR	335030	1182326	006	037	ES			1974		Q		A		CA066	
18070104	KING HARBOR	335052	1182356	006	037	ES			1974		Q		A		CA066	

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18070104	LOS ANGELES-LONG BEACH HARBORS	334344	1181551	006	037	ES			1973				Q		CA115	
18070104	LOS ANGELES-LONG BEACH HARBORS	334356	1181557	006	037	ES			1973	1975			Q		CA115	
18070104	LONG BEACH HARBOR	334511	1181258	006	037	ES			1974				Q		CA115	
18070104	LONG BEACH HARBOR	334446	1181300	006	037	ES			1974				Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334346	1181619	006	037	ES			1973				Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334551	1181505	006	037	ES			1973	1975			Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334630	1181438	006	037	ES			1973	1975			Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334419	1181634	006	037	ES			1973				Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334455	1181613	006	037	ES			1973				Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334516	1181623	006	037	ES			1973	1975			Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334515	1181710	006	037	ES			1973	1975			Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334555	1181615	006	037	ES			1973	1975			Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334545	1181555	006	037	ES			1973	1975			Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334556	1181539	006	037	ES			1973	1975			Q		CA115	
18070104	LOS ANGELES LONG BEACH HARBORS	334541	1181526	006	037	ES			1973	1975			Q		CA115	
18070104	LOS ANGELES-LONG BEACH HARBORS	334524	1181139	006	037	ES			1973	1975			Q		CA115	
18070104	KING HARBOR-INTERTIDAL UNSTA SUBST	335024	1182326	006	037	ES			1974				Q		CA120	
18070105	LA RIV A WILLOW ST BR A LONG BEACH	334816	1181215	006	037	SW	831.00	003	1973		E	E		E	USGS	D
18070106	SAN GABRIEL R AT WILLOW ST	334814	1180522	006	037	SW			1977		M	M	M		USGS	P
18070201	SEAL BEACH	334420	1175654	006	059	ES			1971		W				CA059	
18070201	PAC OC N HUNTINGTON BEACH	333950	1180045	006	059	ES			1969		O				CA118	
18070202	EAST FORK PIGEON PASS CREEK AT HEACOCK STREE	335749	1171435	006	065	SW	.48	004	1969	1975	D				USGS	
18070202	SUNNYMEAD CHANNEL AT ALLESANDRO BLVD NR SUNN	335502	1171434	006	065	SW	13.30	004	1969	1970	D				USGS	
18070202	PERRIS VALLEY STORM DR AT NUEVO RD NR PERRIS	334804	1171219	006	065	SW	93.30	004	1969	1975	D				USGS	
18070203	SANTA ANA RIVER NR SAN BERNARDINO CALIF	340414	1171641	006	071	SW	359.00	124	1976	1977	O			O	USGS	D
18070203	SAN TIMOTEO C NR REDLANDS CALIF	340159	1171229	006	071	SW	118.00	024	1976	1977	O			O	USGS	D
18070203	SANTA ANA RIVER AT PRADO PARK NR CORONA CALI	335542	1173544	006	065	SW	1010.00	013	1971		O			O	USGS	D
18070203	PERRIS VALLEY STORM DRAIN LAT B A PERRIS BLV	335437	1171608	006	065	SW	10.60	004	1969	1970	D				USGS	
18070203	SANTA ANA RIVER BELOW PRADO DAM, CALIF.	335300	1173840	006	065	SW	1490.00	123	1966		O			O	USGS	D
18070203	SANTA ANA RIVER BELOW PRADO DAM, CALIF.	335300	1173840	006	065	SW			1976		E	E		E	USGS	D
18070203	SANTA ANA R AT IMP HWY NR ANAHEIM CA	335123	1174723	006	059	SW	1544.00	124	1971		2	N		2	USGS	D
18070203	SANTA ANA R AT BALL RD AT ANAHEIM CA	334900	1175217	006	059	SW	1587.00	004	1975	1977	O	C	C	2	USGS	D
18070203	SANTA ANA R NR KATLA AV ORANGE CA	334808	1175239	006	059	SW	1593.00	014	1973	1980	O	A		O	USGS	D
18070203	SANTIAGO CREEK AT SANTA ANA CALIF	334613	1175302	006	059	SW	98.60		1974	1975	A	A		A	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
18070203	SANTA ANA R AT SANTA ANA CALIF	334456	1175430	006	059	SW	1700.00		1966		W	A		R	USGS	D
18070203	SANTA ANA R ADMS NR COSTA MESA CA	334019	1175642	006	059	SW	1701.00	014	1972	1980	0	A		0	USGS	D
18070204	SAN DIEGO CREEK AT JEFFERY RD NR IRVINE CALI	334020	1174710	006	059	SW	40.30	004	1972		0	R		0	USGS	D
18070204	EL MODINA-IRVINE CH A MYFORD RD NR TUSTIN	334249	1174801	006	059	SW			1973		0	A		0	USGS	D
18070204	SAN DIEGO CREEK AT LANE ROAD NR IRVINE CALIF	333920	1175041	006	059	SW		004	1972	1980	0	R		0	USGS	D
18070301	PACIFIC OCEAN	332503	1173713	006	059	OC			1974				A		CA119	
18070301	SAN JUAN CREEK NEAR SAN JUAN CAPISTRANO, CAL	332930	1173944	006	059	SW	106.00	024	1965	1970	2	A		2	USGS	D
18070301	SAN JUAN CREEK AT SAN JUAN CAPISTRANO,CALIF.	332930	1173944	006	059	SW	117.00	003	1969		0	A		0	USGS	D
18070301	ARROYO TRABUCO NR SAN JUAN CAPISTRANO CA	333136	1174008	006	059	SW	35.70		1965	1968	2	E		2	USGS	D
18070301	ARROYO TRABUCO AT SAN JUAN CAPISTRANO CALIF	332954	1173954	006	059	SW	54.10	004	1969	1980	0	A		0	USGS	D
18070302	SANTA MARGARITA R AT YSIDORA	331413	1172314	006	073	SW	740.00	124	1967		0	A		0	USGS	D
18070303	PAC OC NR SAN ELIJO LAGOON	330639	1171813	006	073	OC			1977				B		CA119	
18070303	SAN LUIS REY RIVER AT OCEANSIDE CALIF	331248	1172233	006	073	SW	558.00	124	1967		0	A		0	USGS	D
18070304	MISSION BAY	324532	1171453	006	073	ES			1971				B		USCE	P
18070304	SAN DIEGO RIVER NR SANTEE CALIF	324929	1170317	006	073	SW	377.00	124	1968	1978	0			0	USGS	D
18070304	FY76 CHANGE OPERATION OWDC66782 TO	324929	1170317	006	073	SW			1972	1975	A	R		A	USGS	D
18070304	POWAY CREEK NEAR POWAY CALIF	325713	1170050	006	073	SW	7.92	004	1969	1975	P	P			USGS	
18070304	RATTLESNAKE CREEK AT POWAY CALIF	325707	1170256	006	073	SW	8.13	004	1969		P	P			USGS	C
18070304	POWAY CREEK TRIBUTARY AT OAK KNOLL ROAD NEAR	325702	1170327	006	073	SW	.93	004	1969	1975	P	P			USGS	
18070304	POMERADO CREEK AT GLENOAK ROAD NEAR POWAY CA	325825	1170338	006	073	SW	2.43	004	1969	1975	P	P			USGS	
18070304	POMERADO CREEK AT POWAY ROAD NR POWAY CALIF	325707	1170348	006	073	SW	4.14	004	1969	1975	P	P			USGS	
18070304	BEELER CREEK AT POMERADO ROAD NEAR POWAY CAL	325623	1170357	006	073	SW	5.46	004	1969		P	P			USGS	C
18070304	LOS PENASQUITOS CR BL POWAY CREEK NR POWAY C	325658	1170408	006	073	SW	31.20	004	1969		P	P			USGS	
18070304	SAN DIEGO R AT OLD MISSION DAM	325024	1170230	006	073	SW			1977		M	M	M		USGS	P
18070305	TIJUANA RIVER NR NESTOR CALIF	323306	1170500	006	073	SW	1695.00	014	1968		0	A		0	USGS	D
18080003	SUSAN R AT SUSANVILLE CALIF	402503	1204015	006	035	SW	184.00	014	1952		A	A		A	USGS	D
18090102	OWENS R BL TINEMAHA RE NR BIG PINE CA.	370315	1181333	006	027	SW	1964.00	124	1974		E	E		E	USGS	D
18090206	W. F. MOHAVE R AB CEDAR SPRINGS CA	345520	1174510	006	071	SW		004	1965	1967	R	E		R	USGS	D
18090206	BLACKBURN CR NR TEHACHAPI CA	350500	1182450	006	029	SW			1977		B				USSCS	P
18090208	EF OF WF MOJAVE R AB CEDAR SPRINGS CA.	341618	1171840	006	071	SW		004	1965	1967	K	E		K	USGS	D
18090208	W. F. MOJAVE R BL CEDAR SPRINGS CA	341825	1171840	006	071	SW		004	1965	1967	R	A		R	USGS	D
18100200	NEW R AT INTERNAT BDY CALEXICO CA	323957	1153008	006	025	SW			1969		E	E		E	USGS	D
18100200	NEW R AT DROP 4 AT BRAWLEY CA	325927	1153307	006	025	SW			1975		M				USGS	D
18100200	WHITEWATER RIVER AT WHITEWATER CA	335648	1163824	006	065	SW	57.50	024	1966		2	E		2	USGS	D

ALASKA REGION 19

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	DW BEGIN YEAR	DW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
190084 C	FORTYMILE R AT STEEL CREEK			002		SW			1978		Q	Q			USGS	D
190084 C	FORTYMILE R AT STEEL CREEK			002		SW			1978		Q	Q			USGS	D
19008400	COLEEN R NR OLD RAMPART			002		SW			1977		Q	Q			USGS	P
19008400	ENDICOTT R NR GUSTAVUS			002		SW			1977		Q	Q			USGS	P
19008400	PACK C NR JUNEAU			002		SW			1977		Q	Q			USGS	P
19008400	PELICAN C NR PELICAN			002		SW			1977		Q	Q			USGS	P
19008400	LITTLE NELCHINA R NR EUREKA			002		SW			1978		Q	Q			USGS	P
19008400	MOOSE C AT GLENALLEN			002		SW			1978		Q	Q			USGS	P
19008400	TIEKEL R NR TIEKEL			002		SW			1977		Q	Q			USGS	P
19008400	WELLS BAY TRIB NR VALDEZ			002		SW			1978		Q	Q			USGS	P
19008400	SELDOVIA R NR SELDOVIA			002		SW			1978		Q	Q			USGS	P
19008400	TYONE R NR GLENNALLEN			002		SW			1978		Q	Q			USGS	P
19008400	KASHWITNA R NR KASHWITNA			002		SW			1978		Q	Q			USGS	P
19008400	KROTO C NR SUSITNA STATION			002		SW			1977		Q	Q			USGS	P
19008400	KAMISHAK R NR KAMISHAK			002		SW			1978		Q	Q			USGS	P
19008400	TOKOTNA R NR MC GRATH			002		SW			1978		Q	Q			USGS	P
19008400	STONY R AT STONY R			002		SW			1978		Q	Q			USGS	P
19008400	S F FORTYMILE R NR CHICKEN			002		SW			1978		Q	Q			USGS	P
19008400	FORTYMILE R NR BOUNDARY			002		SW			1977		Q	Q			USGS	P
19008400	E F CHANDALAR R NR ARCTIC VILLAGE			002		SW			1977		Q	Q			USGS	P
19008400	BIRCH C NR CIRCLE			002		SW			1978		Q	Q			USGS	P
19008400	HODZANA R NR PURGATORY			002		SW			1978		Q	Q			USGS	P
19008400	TOLOVANA R NR WEST FORK			002		SW			1978		Q	Q			USGS	P
19008400	CHATANIKA R NR CHATANIKA			002		SW			1978		Q	Q			USGS	P
19008400	DIETRICH R NR BETTLES			002		SW			1977		Q	Q			USGS	P
19008400	INNOKO R NR DISHKAKET			002		SW			1977		Q	Q			USGS	P
19008400	ANDREAFSKY R AT ANDREAFSKY			002		SW			1977		Q	Q			USGS	P
19008400	SINUK R NR SINUK			002		SW			1978		Q	Q			USGS	P
19008400	SERPENTINE R NR SHISHMAREF			002		SW			1978		Q	Q			USGS	P
19008400	BUCKLAND R NR BUCKLAND			002		SW			1977		Q	Q			USGS	P
19008400	SHUNGNAK R NR BORNITE			002		SW			1977		Q	Q			USGS	P
19008400	NOATAK R NR HOWARD PASS			002		SW			1977		Q	Q			USGS	P
19008400	UTUKOK R NR ICY CAPE			002		SW			1977		B	B			USGS	
19008400	MEADE R NR POINT BARROW			002		SW			1977		Q	Q			USGS	P

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19008400	IKPIKPUK R NR ANAKRUAK			002		SW			1977		Q	Q			USGS	P
19008400	COLVILLE R AT UMIAT			002		SW			1977		Q	Q			USGS	P
19008400	ATIGUN R NR GALBRAITH LAKE			002		SW			1977		Q	Q			USGS	P
19008400	COPPER R NR CORDOVA			002		SW			1977		Q	Q			USGS	P
19008400	NOATAK NR NOATAK AK			002		SW			1977		M	Q			USGS	D
19008400	YUKON R NR STEVENS VILLAGE AK			002		SW			1977		Q	Q			USGS	D
19008400	NUSHAGAK R NR NUNACHUAK AK			002		SW			1977		Q	Q			USGS	D
19008400	WASILLA C NR WASILLA AK			002		SW			1977		Q	Q			USGS	D
19010001	KUPARUK R NR DEADHORSE AK	701654	1485735	002	040	SW	3130.00	004	1970		A	E		A	USGS	D
19010001	PUTULIGAYUK R NR DEADHORSE AK	701604	1483736	002	040	SW	176.00		1970	1976	A	E		A	USGS	D
19010001	ATIGUN R TR NR PUMP STATION 4 AK	682225	1491848	002	040	SW	32.60	004	1976	1978	A				USGS	D
19010001	SAGAVANIRKTOK R NR SAGWON AK	690524	1484534	002	040	SW	2208.00		1969	1976	A	E		A	USGS	D
19010001	ATIGUN R 7MI AB GALBRAITH LK NR SAGWON	682126	1492000	002	290	SW			1969	1971		E			USGS	D
19010001	GALBRAITH LK AT OUTLET NR SAGWON AK	682710	1492300	002	250	SW			1969	1969	A			A	USGS	D
19010001	SAGAVANIRKTOK R W CH AT BRIDGE NR DEADHORSE	701522	1481802	002	040	SW			1976	1976	A			A	USGS	D
19010002	COLVILLE RIVER NEAR NUIQSUT AK	700956	1505500	002	040	SW	20670.00		1977		X	A		X	USGS	D
19010003	NUNAVAK C NR BARROW AK	711535	1564657	002	040	SW	2.79		1972	1975	E			E	USGS	D
19010003	ESATKUAT C NR BARROW AK	711630	1564344	002	040	SW	1.46	004	1972	1973	A			A	USGS	D
19010003	ESATKUAT LAGOON OUTLET AT BARROW AK	711740	1564606	002	040	SW	3.52	004	1972	1973	A			A	USGS	D
19010003	MEADE RIVER AT ATKASUK AK	702920	1572440	002	040	SW	1800.00		1977	1978	A	A		A	USGS	D
19010003	MIGUAKIAK RIVER NEAR TESHEKPUK LAKE NR LONEL	704013	1541920	002	040	SW	1460.00		1977	1978	R			R	USGS	D
19010003	USUKTUK R NR ATKASUK AK	703104	1572232	002	040	SW			1977	1977	A			A	USGS	D
19020001	JUNE C NR KOTZEBUE AK	665137	1623613	002	140	SW	10.90	004	1967	1968	E			E	USGS	D
19020001	KOBUK R AT AMBLER AK	670513	1575051	002	140	SW	6570.00	004	1967	1980	E				USGS	D
19020001	KOBUK R AT AMBLER AK	670530	1575030	002		SW			1967	1975	R	A		R	USGS	D
19020001	KOBUK R NR KIANA AK	665827	1600751	002	140	SW	9520.00	004	1975		Q	Q			USGS	D
19020001	NOATAK R AT NOATAK AK	673418	1625638	002	140	SW	12000.00	004	1955	1971	A	A		A	USGS	D
19020002	SNAKE R NR NOME AK	643351	1653026	002	180	SW	85.70	004	1964	1973	E	E		E	USGS	D
19020002	ARCTIC C NR NOME AK	643815	1654246	002	180	SW	1.76	004	1970	1972	A			A	USGS	D
19020002	WASHINGTON C NR NOME AK	644252	1654913	002	180	SW	6.34	004	1971	1972	A			A	USGS	D
19020002	KUZITRIN R NR NOME AK	651317	1643715	002	180	SW	1720.00	004	1965	1972	E				USGS	D
19020002	KUZITRIN R NR NOME AK	651317	1643715	002		SW	1720.00		1965	1972	A	A		A	USGS	D
19030001	TAYLOR C NR CHICKEN AK	635427	1421258	002	250	SW	38.40		1971	1975	E			E	USGS	D
19030001	FORTYMILE R NR STEEL CREEK AK	641833	1412408	002	250	SW	5330.00	004	1953	1973	A				USGS	D

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19030002	YUKON R AT EAGLE AK	644722	1411152	002	250	SW	113500.00		1951	1980	2	A		2	USGS	D
19030002	YUKON R AT EAGLE AK	644722	1411152	002		SW			1950	1975	E	E		E	USGS	D
19030002	PORCUPINE R NR FORT YUKON AK	665926	1430816	002	250	SW	29500.00		1966	1975	A	A		A	USGS	D
19030002	EF CHANDALAR R NR VENETIE			002		SW			1979		Q	Q			USGS	D
19030002	CHANDALAR R NR VENETIE AK	670549	1471104	002	250	SW	9330.00		1966	1973	A	E		A	USGS	D
19030002	BOULDER C NR CENTRAL AK	653405	1445313	002	250	SW	31.30		1967	1975	E			E	USGS	D
19030002	HESS C NR LIVENGOOD AK	653955	1490547	002	250	SW	662.00		1970	1978	A	E		A	USGS	D
19030002	YUKON R AT RAMPART AK	653025	1501015	002	290	SW	199400.00	004	1954	1967	N	N		N	USGS	D
19030002	HESS C AB FISH C NR LIVENGOOD AK	654022	1490359	002	290	SW			1971	1977	A	A		A	USGS	D
19030002	FISH C NR LIVENGOOD AK	654041	1490500	002	290	SW			1977		A	A		A	USGS	D
19030003	NOWITNA R NR RUBY			002		SW			1977		Q	Q			USGS	D
19030003	MELOZITNA R NR RUBY AK	644734	1553339	002	290	SW	2693.00	004	1956	1972	R	E		R	USGS	D
19030003	YUKON R AT RUBY AK	644428	1552922	002	290	SW	259000.00	004	1957	1978	R	E		R	USGS	D
19030004	CHISANA R AT NORTHWAY JCT AK	630023	1414817	002	240	SW	3280.00		1950	1972	E	E		E	USGS	D
19030004	BITTERS C NR NORTHWAY JUNCTION AK	630938	1420520	002	240	SW	15.40		1971	1975	E			E	USGS	D
19030004	TANANA R NR TOK JUNCTION AK	631900	1423830	002	240	SW	6800.00	004	1949	1953	A	A			USGS	D
19030004	CLEARWATER C NR TOK AK	631019	1431203	002	240	SW	37.50		1949	1975	A	A			USGS	
19030004	TANANA R NR TANACROSS AK	632318	1434447	002	240	SW	8550.00		1952	1975	2	A		2	USGS	D
19030004	TANANA R TR NR DOT LK AK	634140	1441740	002	240	SW	11.00	004	1970	1972	E	E		E	USGS	D
19030004	BERRY C NR DOT LK AK	634123	1442147	002	240	SW	65.10		1949	1976	A	A			USGS	D
19030004	CLEARWATER C NR DELTA JCT AK	640322	1452616	002	240	SW	360.00	004	1977	1979	Z				USGS	
19030004	TANANA R AT BIG DELTA AK	640920	1455100	002	240	SW	13500.00	004	1948	1979	E	E		E	USGS	D
19030004	BANNER C AT RICHARDSON AK	641724	1462056	002	240	SW	20.20	004	1951	1972	A	A			USGS	D
19030004	SALCHA R NR SALCHAKET AK	642822	1465526	002	090	SW	2170.00		1948	1976	A	A		E	USGS	D
19030004	TANANA R AT FAIRBANKS AK	644754	1474632	002	090	SW		004	1975		A	A		A	USGS	D
19030004	CHENA R NR TWO RIVERS AK	645355	1462442	002	090	SW	941.00		1968	1975	E	E		E	USGS	D
19030004	CHENA R NR N POLE AK	644747	1471156	002	090	SW	1430.00		1971		K	A		K	USGS	D
19030004	L CHENA R NR FAIRBANKS AK	645310	1471450	002	090	SW	372.00	004	1961		R	A		R	USGS	D
19030004	CHENA R AT FAIRBANKS AK	645045	1474204	002	090	SW	1980.00	004	1948	1975	2	A		2	USGS	D
19030004	WOOD R NR FAIRBANKS AK	642606	1481246	002	090	SW	855.00	004	1968	1973	K	E		K	USGS	D
19030004	TANANA R AT NENANA AK	643355	1490530	002	290	SW	25600.00	004	1954		E	E		E	USGS	D
19030004	SEATTLE C NR CANTWELL AK	631932	1481449	002	290	SW	36.20		1970	1974	A	A			USGS	D
19030004	NENANA R NR WINDY AK	632728	1484811	002	290	SW	710.00	004	1955	1968	N	A		N	USGS	D
19030004	NENANA R NR HEALY AK	635043	1485637	002	290	SW	1910.00	004	1953	1968	2	K		2	USGS	D

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19030004	NENANA R NR REX AK	641305	1491640	002	290	SW	2450.00	004	1965	1967	A	A		A	USGS	D
19030004	TEKLANIKA R NR LIGNITE AK	635514	1492951	002	290	SW	490.00	004	1967	1972	R	R		R	USGS	D
19030004	BRIDGE C NR LIVENGOOD AK	652752	1481513	002	290	SW	12.60	004	1970	1971	A			A	USGS	D
19030004	BROOKS C TR NR LIVENGOOD AK	652302	1485612	002	290	SW	7.81		1971	1972	A	A			USGS	D
19030004	POKER C NR CHATANIKA AK	650932	1472849	002	090	SW	23.10	004	1971	1973	Q			Q	USGS	D
19030004	CARIBOU C NR CHATANIKA AK	650900	1473305	002	090	SW	9.19		1969	1973	Q	A		Q	USGS	D
19030004	PHELAN C AT MOUTH NR BLACK RAPIDS AK	631945	1454354	002	240	SW			1974	1975	A	A		A	USGS	D
19030004	TRIMS C NR BLACK RAPIDS AK	632527	1454509	002	240	SW			1974	1975	E	E		E	USGS	D
19030004	HEALY C AT SUNTRANA AK	635110	1485037	002	290	SW		004	1975		A	E		A	USGS	D
19030004	CRIPPLE C NR SUNTRANA AK	635245	1484406	002	290	SW		004	1975		A	E		A	USGS	D
19030004	COAL C NR SUNTRANA AK	635247	1484037	002	290	SW		004	1975		A			A	USGS	D
19030004	HEALY C NR USIBELLI AK	635308	1483820	002	290	SW	61.70	004	1976		A			A	USGS	D
19030004	LIGNITE C NR HEALY AK	635426	1485817	002	290	SW	47.20	004	1976		A			A	USGS	D
19030004	REDMOND C NR SALCHAKET AK	642816	1463207	002	090	SW			1975	1977	E			E	USGS	D
19030004	SALCHA R 7 MI ABOVE GAGE NR SALCHAKET AK	642844	1464000	002	090	SW			1976	1976	A				USGS	D
19030004	SALCHA R 5 MI ABOVE GAGE NR SALCHAKET AK	642857	1464125	002	090	SW			1976	1976	A				USGS	D
19030004	SALCHA R 6.5 MI ABOVE GAGE NR SALCHAKET AK	642905	1464024	002	090	SW			1976	1976	A				USGS	D
19030004	SALCHA R 8MI AB GAGE NR SALCHAKET AK	642910	1463900	002	090	SW			1971	1977	R	A		R	USGS	D
19030004	SALCHA R SITE 2 8MI AB GAGE NR SALCHAKET AK	642910	1463900	002	090	SW			1976	1977	S	A		S	USGS	D
19030004	SALCHA R SITE 3 8MI AB GAGE NR SALCHAKET AK	642910	1463900	002	090	SW			1976	1976	A	A		A	USGS	D
19030004	TANANA R AT MINTO AK	645312	1491100	002	290	SW			1970	1970	A			A	USGS	D
19030005	MF KOYUKUK R NR WISEMAN AK	672618	1500430	002	290	SW	1200.00	004	1970	1979	E	E		E	USGS	D
19030005	WISEMAN C AT WISEMAN AK	672438	1500621	002	290	SW	49.20		1970	1976	R			R	USGS	D
19030005	JIM R NR BETTLES AK	664710	1505223	002	290	SW	465.00	004	1970	1977	E			E	USGS	D
19030005	KOYUKUK R AT HUGHES AK	660251	1541530	002	290	SW	18700.00	004	1965	1976	Q	Q			USGS	D
19030005	KOYUKUK R AT HUGHES AK	660250	1541530	002		SW			1955	1974	E	E		E	USGS	D
19030006	YUKON RIVER AT PILOT STATION AK	615604	1625250	002	270	SW	321000.00	004	1954		Q	K		Q	USGS	D
19040001	KUSKOKWIM R AT MCGRATH AK	625710	1553511	002	160	SW	11700.00	004	1950	1973	E	E		E	USGS	D
19040001	KUSKOKWIM RIVER AT CROOKED CREEK AK	615216	1580603	002	160	SW	31100.00		1951		R	A		R	USGS	D
19040002	POWER C NR CORDOVA AK	603514	1563705	002		SW			1949	1975	E	E		E	USGS	D
19040002	UGANIK R NR KODIAK AK	574129	1532510	002		SW			1951	1972	R			R	USGS	D
19040002	ESKIMO C AT KING SALMON AK	584108	1564008	002	060	SW	16.10	004	1964	1972	N	A		N	USGS	D
19040002	KVICHAK R AT IGIUGIG AK	591944	1555357	002	070	SW	6500.00	004	1968	1975	E				USGS	D
19040002	KVICHAK R AT IGIUGIG AK	591944	1555357	002		SW			1956	1972	E			E	USGS	D

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19040002	NUYAKUK R NR DILLINGHAM AK	595604	1581105	002	070	SW	1490.00	004	1954	1972	R			R	USGS	D
19040002	WOOD R NR ALEKNAGIK AK	591630	1583537	002	070	SW	1110.00	004	1958	1968	A				USGS	D
19040002	SILVER SALMON C NR ALEKNAGIK AK	591334	1584021	002	070	SW	4.46	004	1970	1972	N			N	USGS	D
19040002	EAST C NR DILLINGHAM AK	591132	1584953	002	070	SW	2.12	004	1972	1976	A			A	USGS	D
19040002	SNAKE R NR DILLINGHAM AK	590854	1585314	002	070	SW	113.00	004	1973	1979	A			A	USGS	D
19050001	TERROR R AT MOUTH NR KODIAK AK	574150	1531010	002	150	SW	46.00		1968	1968	A			A	USGS	D
19050001	UGANIK R NR KODIAK AK	574106	1532510	002	150	SW	123.00	004	1968	1978	A				USGS	D
19050001	CANYON C NR LARSEN BAY AK	571700	1535852	002	150	SW	8.82	004	1973	1976	A				USGS	D
19050001	MYRTLE C NR KODIAK AK	573616	1522409	002	150	SW	4.74	004	1968	1972	K	E		K	USGS	D
19050001	MONASHKA C NR KODIAK AK	575034	1522644	002	150	SW	5.51	004	1968	1975	A			A	USGS	D
19050002	BARBARA C NR SELDOVIA AK	592850	1513842	002	120	SW	20.70	004	1970	1973	K			K	USGS	D
19050002	TUTKA LAGOON C NR HOMER AK	592559	1512436	002	120	SW	10.80	004	1972	1976	A			A	USGS	D
19050002	KACHEMAK C NR HOMER	594357	1504609	002	120	SW	42.00	004	1979		Z	Z		Z	USGS	D
19050002	BRADLEY R NR HOMER AK	594524	1505102	002	120	SW	54.00	004	1957		Z	Z		Z	USGS	D
19050002	DIAMOND C NR HOMER AK	594010	1514000	002	120	SW	5.35	004	1951	1970	E				USGS	D
19050002	ANCHOR R NR ANCHOR POINT AK	594450	1514511	002	120	SW	137.00	004	1967	1972	R			R	USGS	D
19050002	ANCHOR R AT ANCHOR POINT AK	594621	1515005	002	120	SW	224.00	004	1951	1979	P				USGS	D
19050002	DEEP C NR NINILCHIK AK	600150	1514050	002	120	SW	220.00		1952	1979	K	E		K	USGS	D
19050002	NINILCHIK R AT NINILCHIK AK	600256	1513948	002	120	SW	131.00	004	1952	1979	2	A		2	USGS	D
19050002	KASILOF R NR KASILOF AK	601905	1511535	002	120	SW	738.00	004	1949	1968	A			A	USGS	D
19050002	TRAIL R NR LAWING AK	602601	1492219	002	210	SW	181.00	004	1949	1974	A			A	USGS	D
19050002	KENAI R AT COOPER LANDING AK	602934	1494828	002	120	SW	634.00	004	1949	1949	A				USGS	D
19050002	KENAI R AT COOPER LANDING AK	602934	1494828	002		SW			1949		E	E		E	USGS	D
19050002	KENAI RIVER AT SOLDOTNA	602839	1510446	002	120	SW	2010.00	004	1952	1978	R	A		R	USGS	D
19050002	BEAVER C NR KENAI AK	603350	1510703	002	120	SW	51.00	004	1952		A			A	USGS	D
19050002	RESURRECTION C NR HOPE AK	605340	1493813	002	120	SW	149.00	004	1968	1971	K	E		K	USGS	D
19050002	RESURRECTION C AT HOPE AK	605515	1493840	002	210	SW	162.00	004	1950	1959	A				USGS	D
19050002	TWENTY MILE R NR PORTAGE AK	605044	1485902	002	020	SW			1963	1975	2			2	USGS	D
19050002	GLACIER C AT GIRDWOOD AK	605629	1490944	002	020	SW	62.00	004	1956	1978	E	E		E	USGS	D
19050002	LITTLE RABBIT C BL OLD SEWARD HWY NR ANCHORA	610437	1494840	002	020	SW	5.70	004	1979		Z				USGS	D
19050002	SF CAMPBELL C AT CANYON MTH NR ANCHORAGE AK	610852	1494312	002	020	SW	25.20	004	1966	1977	E			E	USGS	D
19050002	SF CAMPBELL C NR ANCHORAGE AK	610957	1494615	002	020	SW	30.40		1948	1970	E	E			USGS	D
19050002	CAMPBELL CREEK NEAR SPENARD AK	610817	1495520	002	020	SW	69.70	004	1960	1977	E	E		E	USGS	D
19050002	CHESTER CREEK AT ANCHORAGE AK	611159	1495007	002	020	SW	20.00	004	1953	1977	E	E		E	USGS	D

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19050002	CHESTER C AT ARCTIC BOULEVARD AT ANCHORAGE A	611219	1495343	002	020	SW	27.20	004	1966	1977	2	E		2	USGS	D
19050002	SHIP C NR ANCHORAGE AK	611325	1493755	002	020	SW	90.50	004	1948		E	E		E	USGS	D
19050002	SHIP C AT ELMENDORF AFB NR ANCHORAGE AK	611420	1494724	002	020	SW	113.00	014	1967	1973	E	E		E	USGS	D
19050002	EAGLE R AT EAGLE RIVER AK	611828	1493332	002	020	SW	192.00	004	1948	1974	2	E		2	USGS	D
19050002	PETERS C NR BIRCHWOOD AK	612508	1492920	002	020	SW	87.80		1965	1968	A				USGS	D
19050002	KNIK R NR PALMER AK	613018	1490150	002	170	SW	1180.00	004	1948	1975	2	E		2	USGS	D
19050002	CARIBOU C NR SUTTON AK	614812	1474057	002	170	SW	289.00	004	1949	1976	R	A		R	USGS	D
19050002	MOOSE C NR PALMER AK	614100	1490236	002	170	SW			1948	1971	A	A			USGS	D
19050002	MATANUSKA R AT PALMER AK	613634	1490416	002	170	SW	2070.00	004	1948	1972	2	A		2	USGS	D
19050002	L SUSITNA R NR PALMER AK	614232	1491336	002	170	SW	61.90	004	1948	1973	E	E		E	USGS	D
19050002	SUSITNA RIVER NEAR DENALI AK	630614	1473057	002	170	SW	950.00	004	1957		R	R		R	USGS	D
19050002	MACLAREN R NR PAXSON AK	630710	1463145	002	170	SW	280.00	004	1958	1975	A	A		A	USGS	D
19050002	SUSITNA R NR CANTWELL AK	624157	1473240	002	290	SW	4140.00	004	1962		A	A		A	USGS	D
19050002	SUSITNA RIVER AT GOLD CREEK AK	624604	1494128	002	170	SW	6160.00	004	1949		2	N		N	USGS	D
19050002	CHULITNA R NR TALKEETNA AK	623331	1501402	002	170	SW	2570.00	004	1958		K	K		K	USGS	D
19050002	TALKEETNA RIVER NEAR TALKEETNA AK	622049	1500101	002	170	SW	2006.00	004	1954		R	A		R	USGS	D
19050002	SUSITNA RIVER AT SUNSHINE AK	621035	1501018	002	170	SW			1971	1977	K	K		K	USGS	D
19050002	MONTANA C NR MONTANA AK	620632	1500312	002	170	SW	164.00	004	1970	1973	A	E		A	USGS	D
19050002	SKWENTNA R NR SKWENTNA AK	615223	1512201	002	170	SW	2250.00	004	1959	1975	A	A		A	USGS	D
19050002	SUSITNA RIVER AT SUSITNA STATION AK	613241	1503045	002	170	SW	19400.00	004	1955		K	K		K	USGS	D
19050002	CHUITNA RIVER NEAR TYONEK AK	610631	1511500	002	120	SW	131.00		1975		K	A		K	USGS	D
19050002	CHAKACHATNA R NR TYONEK AK	611244	1522126	002	120	SW	1120.00	004	1955	1972	E			E	USGS	D
19050002	CHUITNA R AB CHUIT C NR TYONEK AK	610916	1513011	002	120	SW		004	1975	1978	A			A	USGS	D
19050002	CHUIT C AT MOUTH NR TYONEK AK	610918	1513011	002	120	SW		004	1975	1978	A			A	USGS	D
19050002	CHUIT C 1.6 MI AB MOUTH NR TYONEK AK	611019	1513112	002	120	SW			1975	1975	A			A	USGS	D
19050002	CHUITNA R BL WOLVERINE F NR TYONEK AK	611152	1513920	002	120	SW		004	1975	1978	A			A	USGS	D
19050002	CHUIT C 5.4 MI AB MOUTH NR TYONEK AK	611244	1513354	002	120	SW		004	1975	1978	A			A	USGS	D
19050002	BISHOP C NR TYONEK AK	611823	1513027	002	120	SW		004	1975	1978	A			A	USGS	D
19050002	CAPPS C NR TYONEK AK	611946	1513726	002	120	SW		004	1975	1978	A	E		A	USGS	D
19050002	EKLUTNA R BL POWER PLANT NR EKLUTNA AK	612836	1490848	002	020	SW			1972	1973	K			K	USGS	D
19050002	PETERS C AB MARTIN C AT PETERS CREEK AK	622300	1504353	002	170	SW		004	1975	1979	A			A	USGS	D
19050002	PETERS C NR PETERSVILLE AK	623157	1504827	002	170	SW		004	1975	1978	A	A		A	USGS	D
19050002	SUSITNA R AB PORTAGE C NR GOLD CREEK AK	624941	1492215	002	170	SW			1977	1977	R	A			USGS	D
19050003	STILLWATER C NR CORDOVA AK	602339	1440358	002	080	SW			1971	1972	E			E	USGS	D

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19050003	TROUT C NR CORDOVA AK	602404	1440302	002	080	SW			1970	1972	A			A	USGS	D
19050003	CLEAR C NR CORDOVA AK	602417	1440138	002	080	SW			1972	1972	A			A	USGS	D
19050003	SHEPHERD C BL LK CHARLOTTE NR CORDOVA AK	602449	1441214	002	080	SW			1970	1972	A			A	USGS	D
19050003	CARBON C NR CORDOVA AK	602225	1441254	002	080	SW			1970	1972	R			R	USGS	D
19050003	SHEPHERD C NR CORDOVA AK	602144	1441300	002	080	SW			1970	1972	R			R	USGS	D
19050003	DICK CREEK NEAR CORDOVA AK	602032	1441810	002	080	SW	7.95		1970		M				USGS	D
19050003	COPPER R TR NR SLANA AK	624303	1441421	002	260	SW	4.32		1971	1975	A	A			USGS	D
19050003	GAKONA R AT GAKONA AK	621806	1451820	002	260	SW	620.00	004	1948	1975	E	E		E	USGS	D
19050003	GULKANA RIVER AT SOURDOUGH AK	623115	1453151	002	260	SW	1770.00	004	1971	1978	E	E		E	USGS	D
19050003	GULKANA R AT GULKANA AK	621608	1452250	002	260	SW	1966.00	004	1948	1972	E	E		E	USGS	D
19050003	TAZLINA R NR GLENNALLEN AK	620320	1452534	002	260	SW	2670.00	004	1953	1972	E	E			USGS	D
19050003	TAZLINA R NR GLENNALLEN AK	620320	1452534	002		SW	2670.00		1948	1975	E	E		E	USGS	D
19050003	KLUTINA R AT COPPER CENTER AK	615710	1451820	002	260	SW	880.00	004	1948	1975	Q	Q			USGS	D
19050003	LITTLE TONSINA RIVER NEAR TONSINA AK	612849	1450905	002	260	SW	22.70	004	1971	1978	E	E		E	USGS	D
19050003	L TONSINA R AB TONSINA R NR TONSINA AK	613538	1451314	002	260	SW			1970	1975	A			A	USGS	D
19050003	TONSINA R AT TONSINA AK	613948	1451050	002	260	SW	420.00	004	1950	1975	E	E		E	USGS	D
19050003	SQUIRREL C AT TONSINA AK	614005	1451026	002	260	SW	70.50		1967	1975	A	A			USGS	D
19050003	CHITINA R NR CHITINA			002		SW			1976		Q	Q			USGS	D
19050003	COPPER R NR CHITINA AK	612756	1442721	002	260	SW	20600.00	004	1950		2	A		2	USGS	D
19050003	COPPER R NR CHITINA AK	612800	1442720	002		SW			1950	1975	A	A		A	USGS	D
19050003	POWER C NR CORDOVA AK	603514	1453705	002	080	SW	20.50	004	1967	1975	A	A			USGS	D
19050003	HUMPBACK C NR CORDOVA AK	613641	1454036	002	080	SW	4.37	004	1972	1975	S			S	USGS	D
19050003	WEST FORK OLSEN BAY CREEK NEAR CORDOVA AK	604541	1461020	002	080	SW	4.78		1963		M				USGS	D
19050003	LOWE R NR VALDEZ AK	610549	1455132	002	260	SW	201.00		1950	1975	E	E		E	USGS	D
19050003	LOWE R IN KEYSTONE CANYON NR VALDEZ AK	610524	1455315	002	260	SW	222.00		1974	1976	Q	Q			USGS	D
19050003	LOWE R IN KEYSTONE CANYON NR VALDEZ AK	610524	1455315	002		SW			1970	1975	A	A		A	USGS	D
19050003	RESURRECTION R AT SEWARD AK	600830	1492500	002	210	SW	169.00	004	1952	1968	R	E		R	USGS	D
19050003	SPRUCE C NR SEWARD AK	600410	1492708	002	210	SW	9.26	004	1968	1979	E	E		E	USGS	D
19050003	CLEAR C TR NR CORDOVA AK	602420	1440145	002	080	SW			1972	1972	A			A	USGS	D
19050003	L TONSINA R SITE A1 NR TONSINA AK	612855	1450842	002	260	SW			1975	1975	A			A	USGS	D
19050003	L TONSINA R SITE 4 NR TONSINA AK	613014	1451307	002	260	SW			1975	1975	A			A	USGS	D
19050003	GULKANA R AT CMPGRD NR SOURDOUGH AK	623139	1453121	002	260	SW			1954		A	A		A	USGS	D
19060000	SALMON R NR HYDER AK	560134	1300355	002	190	SW	94.00	004	1967	1972	A	A		A	USGS	D
19060000	RED R NR METLAKATLA AK	550829	1303150	002	190	SW	45.30	004	1964	1975	E			E	USGS	D

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19060000	KETA R AB HILL C NR KETCHIKAN AK	552234	1302358	002	190	SW	52.60	004	1977		H				USGS	D
19060000	HILL C AB WHITE C NR KETCHIKAN AK	552516	1302700	002	190	SW	5.53	004	1977		H				USGS	D
19060000	WHITE C NR KETCHIKAN AK	552451	1302738	002	190	SW	2.70	004	1977		Q				USGS	D
19060000	HILL C NR MOUTH NR KETCHIKAN AK	552256	1302423	002	190	SW	14.00	004	1977		H				USGS	D
19060000	KETA R NR KETCHIKAN AK	552113	1302656	002	190	SW	74.15	004	1977		Q				USGS	D
19060000	BEAVER CREEK NEAR KETCHIKAN AK	552542	1303058	002	190	SW	1.98	004	1978		H				USGS	D
19060000	WINSTANLEY C NR KETCHIKAN AK	552459	1305203	002	190	SW	15.50		1949	1975	E				USGS	D
19060000	KLAHINI R NR BELL ISLAND AK	560315	1310255	002	190	SW	58.00	004	1968	1972	K	E		K	USGS	D
19060000	EF BRADFIELD R NR WRANGELL AK	561430	1311512	002	280	SW	63.30	004	1979		Z			Z	USGS	D
19060000	HARDING R NR WRANGELL AK	561248	1313812	002	280	SW	67.40		1964		A	A			USGS	D
19060000	FY78 CHANGE OPERATION OWDC69151 TO	561248	1313812	002	280	SW			1964	1975	Q	Q		E	USGS	D
19060000	STIKINE R NR WRANGELL AK	564226	1320800	002	280	SW	19920.00	004	1975		Q				USGS	D
19060000	FARRAGUT R NR PETERSBURG AK	571024	1330636	002	280	SW	151.00	004	1977		Q				USGS	D
19060000	LONG R AB LONG LK NR JUNEAU AK	581056	1335306	002	110	SW	8.29		1966	1975	A	A			USGS	D
19060000	LONG R AB LONG LK NR JUNEAU AK	581056	1335306	002	110	SW			1966	1972	R	A		R	USGS	D
19060000	LONG R NR JUNEAU AK	581000	1334150	002	110	SW	32.50	024	1967	1972	E			E	USGS	D
19060000	SPEEL R NR JUNEAU AK	581210	1333640	002	110	SW	226.00		1960	1960	2	M			USGS	D
19060000	TAKU R NR JUNEAU			002		SW			1978		Q	Q			USGS	D
19060000	SHEEP C NR JUNEAU AK	581630	1341850	002	110	SW	4.57		1948	1972	A			A	USGS	D
19060000	GOLD C AT JUNEAU AK	581825	1342405	002	110	SW	9.76	004	1948	1979	E	E		E	USGS	D
19060000	LEMON C NR JUNEAU AK	582330	1342515	002	110	SW	12.10	004	1948	1972	A	A		A	USGS	D
19060000	JORDON C NR AUKE BAY AK	582147	1343442	002	110	SW			1965	1968	E			E	USGS	D
19060000	DUCK C NR AUKE BAY AK	582146	1343519	002	110	SW			1965	1970	E			E	USGS	D
19060000	NUGGET C NR AUKE BAY AK	582531	1343137	002	110	SW			1965	1968	E	E		E	USGS	D
19060000	MENDENHALL R NR AUKE BAY AK	582505	1343240	002	110	SW	85.10		1965	1979	A	A		A	USGS	D
19060000	STEEP C NR AUKE BAY AK	582448	1343227	002	110	SW			1961	1968	E			E	USGS	D
19060000	MONTANA C NR AUKE BAY AK	582353	1343634	002	110	SW	15.50		1965	1975	A	A			USGS	D
19060000	LAKE C AT AUKE BAY AK	582340	1343750	002	110	SW	2.50	004	1963	1972	R	E		R	USGS	D
19060000	AUKE C AT AUKE BAY AK	582256	1343810	002	110	SW	3.96		1962	1975	A	A	E		USGS	D
19060000	HERBERT R NR AUKE BAY AK	583126	1344740	002	110	SW	56.90	004	1966	1971	R	E		R	USGS	D
19060000	DAVIES C NR AUKE BAY AK	583906	1345307	002	110	SW	15.20	004	1968	1972	A	E		A	USGS	D
19060000	ANTLER R AT BERNERS BAY AK	584900	1345500	002		SW			1977		Q	Q			USGS	D
19060000	WEST C NR SKAGWAY AK	593135	1352110	002	230	SW	43.20	004	1963	1978	E			E	USGS	D
19060000	TAIYA R NR SKAGWAY AK	593043	1352040	002	230	SW	179.00	004	1969	1978	A			A	USGS	D

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19060000	CHILKAT R AT GORGE NR KLUKWAN AK	593740	1355555	002	100	SW	190.00	004	1962	1968	S	E		S	USGS	D
19060000	WHIPPLE C NR WARD COVE AK	552630	1314738	002	130	SW	5.29	004	1968	1979	E			E	USGS	D
19060000	PERSERVERANCE C NR WACKER AK	552440	1314005	002	130	SW	2.81	004	1948	1968	A			A	USGS	D
19060000	KETCHIKAN C AT KETCHIKAN AK	552040	1313805	002	130	SW	13.50	124	1965	1967	E			E	USGS	D
19060000	FISH C NR KETCHIKAN AK	552330	1311140	002	130	SW	32.10	004	1949	1979	E				USGS	D
19060000	FISH C NR KETCHIKAN AK	552330	1011140	002		SW			1949	1975	E			E	USGS	D
19060000	KLAWAK R NR KLAWOCK AK	553258	1330240	002	200	SW	46.10	004	1976	1977	Q				USGS	D
19060000	NB TROCADERO C NR HYDABURG AK	552141	1325220	002	200	SW	17.40	004	1968	1972	K			K	USGS	D
19060000	HYDABURG R AT HYDABURG AK	551245	1324912	002	200	SW			1968	1971	A			A	USGS	D
19060000	PERKINS C NR METLAKATLA	545648	1321015	002	200	SW	3.38	004	1976		Q				USGS	D
19060000	OLD TOM C NR KASAAN AK	552344	1322425	002	200	SW	5.90		1963		A			A	USGS	D
19060000	BIG C NR POINT BAKER AK	560754	1330836	002	200	SW	11.20		1963		Q				USGS	D
19060000	NAVY LK OUTLET NR MEYERS CHUCK AK	560404	1322530	002	280	SW	6.56	004	1978		Z			Z	USGS	
19060000	NAVY C NR MEYERS CHUCK AK	560342	1322658	002	280	SW	8.45	004	1978		Z			Z	USGS	
19060000	MILL C AT WRANGELL AK	562804	1322233	002	280	SW	.09	004	1964	1965	Q				USGS	D
19060000	ZAREMBO C NR WRANGELL AK	562013	1325845	002	280	SW	.99	004	1977		Z			Z	USGS	
19060000	ZAREMBO C NR POINT BAKER AK	562017	1325947	002	280	SW	1.27	004	1978		Z			Z	USGS	
19060000	HAMMERS SL AT PETERSBURG AK	564827	1325710	002	280	SW	1.46	004	1965	1965	A				USGS	D
19060000	MUNICIPAL WATERSHED C NR PETERSBURG AK	564642	1325500	002	280	SW	2.20	004	1977		Z			Z	USGS	
19060000	ROCKY PASS C NR POINT BAKER AK	563703	1334410	002	200	SW	3.27	004	1976		Q				USGS	D
19060000	NAKWASINA R NR SITKA	571537	1351954	002	220	SW	31.90	004	1975		Q				USGS	D
19060000	GREEN LK OUTLET NR SITKA AK	565900	1350700	002		SW	31.00		1977		Q	Q			USGS	D
19060000	DEER LK OUTLET NR PORT ALEXANDER AK	563110	1344010	002	220	SW	7.41	004	1967	1967	A			A	USGS	D
19060000	TAKATZ C NR BARANOF AK	570835	1345150	002	220	SW	17.50	004	1967	1968	A			A	USGS	D
19060000	KALININ BAY TR NR SITKA AK	571814	1354635	002	220	SW	2.28	004	1975		Q				USGS	D
19060000	HASSELBORG C NR ANGOON AK	573940	1341455	002	030	SW	56.20	004	1967	1968	A			A	USGS	D
19060000	KADASHAN R AB HOOK C NR TENAKEE AK	573946	1351106	002	220	SW	10.20		1966	1978	2			2	USGS	D
19060000	HOOK C AB TR NR TENAKEE AK	574039	1350742	002	220	SW	4.48	004	1966		E			E	USGS	D
19060000	HOOK C NR TENAKEE AK	574022	1351040	002	220	SW	8.00	004	1965		E			E	USGS	D
19060000	TONALITE C NR TENAKEE AK	574042	1351317	002	220	SW	14.50		1967		2			2	USGS	D
19060000	TONALITE C NR TENAKEE AK	574025	1351358	002	220	SW			1968		E	E		E	USGS	D
19060000	KADASHAN R NR TENAKEE AK	574143	1351259	002	220	SW	37.70	004	1965		K			K	USGS	D
19060000	INDIAN R NR HEADWATERS NR TENAKEE AK	575158	1351931	002	030	SW	3.02	004	1979		Z			Z	USGS	D
19060000	INDIAN R NR TENAKEE AK	574950	1351600	002	030	SW	12.90	004	1979		Z			Z	USGS	D

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19060000	PAVLOF R NR TENAKEE AK	575030	1350209	002	030	SW	24.30	004	1967	1975	E			E	USGS	D
19060000	HILDA C NR DOUGLAS AK	581338	1342950	002	110	SW	2.62	004	1967	1969	A			A	USGS	D
19060000	LAWSON C AT DOUGLAS AK	581705	1342440	002	110	SW	2.98	004	1966	1974	E			E	USGS	D
19060000	FISH C NR AUKE BAY AK	581950	1343520	002	110	SW	13.60	004	1966	1976	E	E		E	USGS	D
19060000	GRACE C AB LK NR KETCHIKAN AK	553718	1310725	002	130	SW			1965	1966	A			A	USGS	D
19060000	TAKATZ LK TR (INLET) NR BARANOF AK	570759	1345523	002	220	SW			1965	1966	A	A		A	USGS	D

HAWAII REGION 20

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
20 85	FY77 CHANGE OPERATION OWDC73374 TO	195720	1550611	015	001	SW			1971		M	M	M	E	USGS	D
20008200	WAILUA R AT WAILUA KAUAI			015	007	SW			1977		M	M	M		USGS	P
200085	KAHANA STR AT ALT 30 FT NR KAHANA, OAHU, HI			015	003	SW			1970		M	M	M		USGS	
20008500	FY76 CHANGE OPERATION OWDC67716 TO			015	001	SW			1977		M	M	M		USGS	
20008500	WAIMEA R AT MOUTH AT WAIMEA KAUAI			015	007	SW			1977		M	B	B		USGS	
20008500	HALAWA ST AT MOUTH AT AIEA			015	003	SW			1977		M	B	B		USGS	
20008500	MOANALUA ST AT MOUTH NR HONOLULU			015	003	SW			1977		M	B	B		USGS	
20008500	KAPALAMA ST AT MOUTH NR HONOLULU			015	003	SW			1977		M	B	B		USGS	
20008500	NUUANU ST AT MOUTH NR HONOLULU			015	003	SW			1977		M	B	B		USGS	
20008500	WAINIHA R BL POWER PLANT NR HANALE			015	007	SW			1977		B				USGS	
20008500	WAILUKU R NR HILO			015	001	SW			1977		M	B	B		USGS	
20008500	KOLEKOLE ST NR HONOMU HI			015	001	SW			1977		M	M	M		USGS	
20008500	WAIULAULA GULCH NR KAWAIHAI HI			015	001	SW			1977		M	M	M		USGS	
20008500	HILEA ST NR HONUAPO HI			015	001	SW			1977		M	M	M		USGS	
20008500	OHEO GULCH NR KIPAHULU HI			015	009	SW			1977		M	M	M		USGS	
20008500	PIINAAU ST NR KEANAE HI			015	009	SW			1977		M	M	M		USGS	
20008500	WAIHEE R NR WAIHEE HI			015	009	SW			1977		M	M	M		USGS	
20008500	MAUNALEI GULCH LANAI HI			015	009	SW			1977		M	M	M		USGS	
20008500	KAUMALAPAU GULCH - LANAI HI			015	009	SW			1977		M	M	M		USGS	
20008500	UNNAMED TRIB TO WAIKAHULU BAY HI			015	009	SW			1977		M	M	M		USGS	
20008500	KANELOA GULCH - KAHOOLAWE HI			015	009	SW			1977		M	M	M		USGS	
20008500	WAILUA ST NR WAILUA HI			015	009	SW			1977		M	M	M		USGS	
20008500	HALAWA ST AT AIEA HI			015	003	SW			1977		M	M	M		USGS	
20008500	KANEOHE ST AT KANEOHE HI			015	003	SW			1977		M	M	M		USGS	
20008500	WAIAHOLE ST AT WAIAHOLE HI			015	003	SW			1977		M	M	M		USGS	
20008500	HULEIA ST AT NAWILIWILI HI			015	007	SW			1977		M	M	M		USGS	
20008500	HOEA ST NR KEKAHA HI			015	007	SW			1977		M	M	M		USGS	
20008500	KEANAUHI VALLEY NIIHAU			015		SW			1977		M	M	M		USGS	
20008500	HONUAULA VALLEY - NIIHAU HI			015		SW			1977		M	M	M		USGS	
20008500	KAHALUU STREAM NR KAHALUU HI			015	003	SW			1977		C	C			USGS	D
20008500	KUOU ST NR KANEOHE OAHU HI			015	003	SW			1977		B	B			USGS	D
20008500	HOOLEIANAIWA ST NR KANEOHE HI			015	003	SW			1977		B	B			USGS	D
20008500	WB ANOLANI ST NR KANEOHE OAHU HI			015	003	SW			1977		B	B			USGS	D
20008500	EB ANOLANI ST NR KANEOHE OAHU HI			015	003	SW			1977		A	B			USGS	D

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20008500	KAMOOALII ST AT ALT 120F N KANEOHE			015	003	SW			1977		C	B			USGS	D
20008500	FY77 CHANGE OPERATION OWDC73372 TO			015	009	SW			1977		M	B	B		USGS	
20010000	WAIAKEA STREAM NR MOUNTAIN VIEW, HAWAII, HI	193830	1551028	015	001	SW	17.40	004	1971		E			E	USGS	D
20010000	WAILUKU RIVER NR KAUMANA, HAWAII, HI	194315	1551608	015	001	SW	43.40	004	1975		A			A	USGS	D
20010000	WAILUKU RIVER AT PIIHONUA HAWAII HI	194256	1550912	015	001	SW	230.00	003	1971		M	M		M	USGS	D
20010000	WAILUKU RIVER AT HILO, HAWAII, HI	194343	1550540	015	001	SW	256.00	023	1977		O			O	USGS	D
20010000	HONOLII STREAM NR PAPAIKOU HAWAII HI	194600	1550916	015	001	SW	11.60	004	1969		M	E		M	USGS	D
20010000	KOLEKOLE STREAM NR HONOMU, HAWAII, HI	195255	1550725	015	001	SW		004	1981		M	M		M	USGS	D
20010000	WAIAHA ST NR HOLUALOA HI	193812	1555640	015	001	SW			1977		M	M	M		USGS	
20010000	KAPEHU STREAM AT PIIHONUA	194310	1550830	015	001	SW			1977	1979	A			A	USGS	D
20020000	KEPUNI GULCH NR KAHIKINUI HOUSE HI	203721	1561516	015	009	SW			1977		M	M	M		USGS	
20020000	HAWELEWELE GULCH NR KAUPO HI	203801	1561108	015	009	SW			1977		M	M	M		USGS	
20020000	WAIHEE RIVER NR WAIHEE, MAUI, HI	205647	1573115	015	009	SW		023	1981		M	M		M	USGS	D
20020000	KAHAKULOA STREAM NR HONOKOHAU, MAUI, HI	205854	1563326	015	009	SW	3.47	004	1974		M	M		M	USGS	D
20050000	HALAWA STREAM NR HALAWA, MOLOKAI, HI	210931	1564553	015	009	SW	4.62	004	1969		M	M		M	USGS	D
20050000	FY77 CHANGE OPERATION OWDC73360 TO	210759	1565238	015	009	SW			1969		M	M	M		USGS	
20050000	WAIKOLU STR BL PIPE CROSS NR KALAUPAPA,MOLO,	210945	1565554	015	009	SW			1969		M	M	M		USGS	
20050000	KAKAAKO GULCH NR MAUNA LOA HI	211039	1571231	015	009	SW			1977		M	M	M		USGS	
20050000	WAIALUA STREAM AT WAIALUA MOLOKAI, HI	210606	1564550	015	009	SW		004	1981		M	M		M	USGS	D
20060000	KALIHI STREAM AT MOUTH	212020	1575330	015	003	SW			1977		Q	Q	Q		USCE	
20060000	NF KAUKONAHUA STREAM AB RB NR WAHIAWA,OAHU,H	213109	1575653	015	003	SW	1.38	004	1968	1979	E			E	USGS	D
20060000	SF KAUKONAHUA STREAM AT E PUMP RSVR WAHIAWA,	212932	1575954	015	003	SW	4.04	024	1968	1979	E			E	USGS	D
20060000	R BR OF SF KAUKONAHUA STREAM NR WAHIAWA,OAHU	212957	1575903	015	003	SW	.86	004	1968		E			E	USGS	D
20060000	KAUKONAHUA ST AT WAIALUA HI	213356	1580726	015	003	SW			1970	1970	M	M	M		USGS	
20060000	POAMOHO STREAM NEAR WAHIAWA, OAHU, HI	213124	1575855	015	003	SW	1.79	014	1967	1970	A			A	USGS	D
20060000	MAKAHA STREAM NR MAKAHA, OAHU, HI	213016	1581059	015	003	SW	2.31	004	1967		E			E	USGS	D
20060000	KAUPUNI STREAM AT ALT 374 FT NR WAIANAE,OAHU	212820	1580926	015	003	SW	3.58	014	1970	1973	E			E	USGS	D
20060000	KIPAPA STREAM NR WAHIAWA, OAHU, HI	212813	1575740	015	003	SW	4.29	004	1968		O	B		O	USGS	D
20060000	KIPAPA STREAM NEAR WAIPAHU, OAHU, HI	212433	1580114	015	003	SW	13.80	024	1967	1968	R	E		R	USGS	D
20060000	WAIKELE STREAM AT WAIPAHU, OAHU, HI	212311	1580049	015	003	SW	45.70	024	1967		O	B		O	USGS	D
20060000	WAIAWA STREAM NR PEARL CITY, OAHU, HI	212357	1575851	015	003	SW	26.40	024	1967	1979	E	E		E	USGS	D
20060000	WAIMALU STREAM NR AIEA OAHU, HI	212348	1575656	015	003	SW	5.97	004	1968	1970	R	E		R	USGS	D
20060000	KALAUAO STREAM AT MOANALUA RD,AT AIEA,OAHU,	212307	1575622	015	003	SW	2.59	003	1967		E			E	USGS	D
20060000	MOANALUA STREAM NR KANEOHE, OAHU, HI	212329	1575105	015	003	SW	.94	004	1969		A			A	USGS	D

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20060000	MOANALUA STREAM TRIB NR KANEOHE, OAHU, HI	212327	1575053	015	003	SW	.62	004	1969		E	E		E	USGS	D
20060000	MOANALUA STREAM TRIBUTARY NEAR AIEA, OAHU, H	212307	1575142	015	003	SW	.03		1973		A			A	USGS	D
20060000	MOANALUA STREAM NEAR HONOLULU, OAHU, HI	212253	1575222	015	003	SW	2.73	004	1970		A			A	USGS	D
20060000	MOANALUA STREAM NEAR AIEA, OAHU, HI	212237	1575303	015	003	SW	3.34	004	1969		Y	B		4	USGS	D
20060000	MOANALUA STREAM NR TRIPLER HOSPITAL,OAHU, HI	212148	1575405	015	003	SW	4.44	004	1971		E			E	USGS	D
20060000	KALIHI STREAM NR KANEOHE, OAHU, HI	212235	1574932	015	003	SW	.60	004	1968	1970	E			E	USGS	D
20060000	KALIHI STREAM NR HONOLULU, OAHU, HI	212200	1575049	015	003	SW	2.61		1969		E	E		E	USGS	D
20060000	KALIHI STREAM AT KALIHI, OAHU, HI	212029	1575236	015	003	SW	5.18	003	1967		M	E		M	USGS	D
20060000	WAIHI STREAM AT HONOLULU, OAHU, HI	211955	1574812	015	003	SW	1.14	004	1970	1979	E			E	USGS	D
20060000	WAIAKEAKUA STREAM AT HONOLULU, OAHU, HI	211953	1574812	015	003	SW	1.06	004	1970	1979	E			E	USGS	D
20060000	FY77 CHANGE OPERATION OWDC73389 TO	211737	1574904	015	003	CN			1970		M	M	M		USGS	
20060000	WAIMANALO STREAM AT WAIMANALO OAHU, HI	212112	1574352	015	003	SW	2.16	013	1968	1975	E			E	USGS	D
20060000	MAKAWAO STREAM NEAR KAILUA, OAHU, HI	212149	1574602	015	003	SW	2.04	004	1967		E			E	USGS	D
20060000	MAUNAWILI STREAM AT HWY 61 N KAILUA, OAHU,HI	212251	1574548	015	003	SW	5.34	003	1967	1975	E	E		E	USGS	D
20060000	KAWAINUI CA AT KAILUA HI	212415	1574528	015	003	CN			1977		M	M	M		USGS	
20060000	KAMOOALII STREAM BL KUOU ST NR KANEOHE,OAHU,	212342	1574826	015	003	SW	3.21	003	1967		O	Y		O	USGS	D
20060000	LULUKU ST A ALT 220 F NR KANOHE HI	212342	1574846	015	003	SW	.44		1970		A			A	USGS	D
20060000	KAMOOALII STREAM BELOW LULUKU STREAM, OAHU H	212347	1574823	015	003	SW	3.81		1976		O			O	USGS	D
20060000	KAMOOALII STREAM AT KANEOHE, OAHU, HI	212451	1574813	015	003	SW	4.38		1967		E	E		Z	USGS	D
20060000	KANEOHE STREAM AT KANEOHE OAHU, HI	212452	1574730	015	003	SW		013	1981		M	M		M	USGS	D
20060000	FY76 CHANGE OPERATION OWDC73391 TO	212446	1574935	015	003	SW	.97		1970		O	B		9	USGS	D
20060000	KAHALUU STREAM AT KAHALUU HI	212725	1575015	015	003	SW	3.73	023	1967	1973	A	A		E	USGS	D
20060000	WAIHEE STREAM AT KAHALUU, OAHU, HI	212732	1575026	015	003	SW	2.26	024	1967		A	A			USGS	D
20060000	FY77 CHANGE OPERATION OWDC56874 TO	212731	1575026	015	003	SW			1967		Q	E		E	USGS	D
20060000	KAMANANUI STREAM AT PUPUKEA MIL RD NR MAUNAW	213725	1580104	015	003	SW	3.13	004	1970	1979	E			E	USGS	D
20060000	KAIWIKOELE STREAM TRIB NR MAUNAWAI,OAHU,HI	213649	1580123	015	003	SW	.97	004	1968	1969	A			A	USGS	D
20060000	KAMANANUI STREAM AT MAUNAWAI, OAHU, HI	213820	1580327	015	003	SW	9.79	004	1968	1979	E				USGS	D
20060000	FY77 CHANGE OPERATION OWDC73397 TO	213820	1580327	015	003	SW			1967		E			E	USGS	D
20060000	HELEMANO STREAM AT HALEIWA, OAHU, HI	213440	1580612	015	003	SW	14.20	024	1967		E			E	USGS	D
20060000	OPAEULA STREAM NR WAHIAWA, OAHU, HI	213355	1580010	015	003	SW	2.98	004	1967	1979	E			E	USGS	D
20060000	FY77 CHANGE OPERATION OWDC73358 TO	213509	1580601	015	003	SW			1971	1973	M	M	M		USGS	
20060000	KAMOOALII STR AB HECO SUBSTA NR KANEOHE OAHU	212312	1574757	015	003	SW			1976	1976	A			A	USGS	D
20060000	KAMOOALII STR AT OLD PALI RD NR KANEOHE OAHU	212320	1574742	015	003	SW			1976	1976	A			A	USGS	D
20060000	KUOU STR BELOW BWS WELLS NR KANEOHE OAHU HI	212330	1574845	015	003	SW			1976	1976	A			A	USGS	D

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20060000	ANOLANI STR AT LIKELIKE HWY KANEOHE OAHU HI	212422	1574832	015	003	SW			1976	1976	A			A	USGS	D
20060000	UNNAMED TRIBUTARY TO KANEOHE STREAM, OAHU, H	212451	1574812	015	003	SW			1970	1971	A			A	USGS	D
20060000	KAHALUU STR AT ALT 10 FT AT KAHALUU OAHU HI	212732	1575022	015	003	SW			1976		K				USGS	D
20060000	KAHALUU STREAM BL WAIHEE STR CONFL, OAHU, HI	212732	1575025	015	003	SW			1970	1970	A			A	USGS	D
20060000	KAHALUU STR AT HWY 83 AT KAHALUU OAHU HI	212742	1575032	015	003	ES			1976		K				USGS	D
20070000	WAIMEA RIVER NR WAIMEA, KAUAI, HI	215902	1593946	015	007	SW	57.80		1971		M	M		M	USGS	D
20070000	HANAPEPE R AT HANAPEPE HI	215440	1593535	015	007	SW			1977		M	M	M		USGS	
20070000	HULEIA STREAM NR NAWILIWILI, KAUAI, HI	215650	1592408	015	007	SW		004	1981		M	M		M	USGS	D
20070000	KAPAA ST AT OLD CROSSING NR KEALIA	220628	1591952	015	007	SW			1977		M	M	M		USGS	
20070000	FY77 CHANGE OPERATION OWDC73351 TO	220810	1593340	015	007	SW			1971		M	M	M		USGS	
20070000	PUUKUMU ST NR KILAUEA HI	221302	1592518	015		SW			1977		M	M	M		USGS	
20100003	LA SA FUA RIVER NEAR UMATAC GUAM	131823	1443945	099		SW	1.06	004	1972	1973	Q	Q	Q		USGS	D
20100003	UMATAC RIVER AT UMATAC GUAM	131748	1443946	099		SW	2.11		1972	1973	Y	Y	Q		USGS	D
20100003	GEUS RIVER NR MERIZO GUAM	131613	1444038	066		SW	.93	024	1972	1975	P	P	Q		USGS	D
20100003	TALOFOFO RIVER NEAR TALOFOFO, GUAM	132105	1444350	066		SW	16.10	124	1972	1973	D	D			USGS	D
20100003	PAGO RIVER NR ORDOT GUAM	132608	1444514	099		SW	5.67	004	1978		M			M	USGS	D
20100009	BENOKI-GAWA AT BENOKI, OKINAWA	264706	1281459	073		SW	3.80	004	1963	1971	A				USGS	
20100009	YONA-GAWA AT YONA, OKINAWA	264510	1281318	073		SW	1.70	004	1963	1975	2			2	USGS	D
20100009	TAKAZATO-GAWA NEAR HAMA, OKINAWA	264110	1281048	073		SW	.90	004	1967	1968	Q				USGS	
20100009	TAIHO-OKAWA AT TAIHO OKINAWA RK	263901	1280837	073		SW	5.20	004	1967	1972	B				USGS	D
20100009	RIGHT BRANCH OF SF HENAN-GAWA NR TSUHA, OKIN	263742	1280552	073		SW	.70	004	1963	1971	Q				USGS	
20100009	HANECHI-OKAWA AT KAWAKAMI OKINAWA	263628	1280116	073		SW	4.40	024	1963	1975	2			2	USGS	D
20100009	OI-KAWA AT JINGUSUKU, OKINAWA	263907	1275724	073		SW	3.10	004	1965	1969	Q				USGS	D
20100009	YONABARU-GAWA BL ZUKEYAMA DAM OKINAWA	262300	1274825	073		SW	1.90	014	1968	1968	A				USGS	D
20100009	BISHI-GAWA AT KADENA OKINAWA	262154	1274559	073		SW	14.00	124	1968	1968	A				USGS	D
20100009	NAGATA-GAWA AT KADENA OKINAWA	262223	1274550	073		SW	4.00	004	1967	1971	A				USGS	C
20100009	MACHINATO-GAWA NR OJANA, OKINAWA	261443	1274416	073		SW	1.70	004	1965	1971	A				USGS	D
20100009	TENGAN-GAWA AT TENGAN, OKINAWA	262254	1275139	073		SW	10.00	124	1967	1971	A				USGS	D
20100009	OKUKUBI-GAWA AT KIN, OKINAWA	262740	1275603	073		SW	5.00	124	1968	1968	Q				USGS	D
20100009	KANNA-GAWA NR KANNA, OKINAWA	262920	1275646	073		SW	.90	004	1966	1971	Q				USGS	D
20100009	UFU-KAWA NEAR GINOZA, OKINAWA	262936	1275808	073		SW	1.30	024	1966	1967	Q				USGS	D
20100009	LEFT FORK O-KAWA NR KUSHI, OKINAWA	263118	1275950	073		SW	.30	004	1965	1971	A				USGS	D
20100009	OURA-GAWA AT OKAWA OKINAWA	263410	1280223	073		SW	1.90	004	1966	1971	Q				USGS	D
20100009	FUKUJI-GAWA NR YUBARU OKINAWA	263332	1281300	073		SW	5.90	004	1964	1971	Q				USGS	D

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20100009	FUKUJI-GAWA AT FUKUJI OKINAWA RK	263816	1281013	073		SW	12.00	004	1964	1975	2			2	USGS	D
20100009	MIYAGI-GAWA AT MIYAGI, OKINAWA	263733	1281108	073		SW	1.80	004	1969	1971	Q				USGS	D
20100009	ARA-KAWA AT ARAKAWA OKINAWA RK	263943	1281522	073		SW	3.80	004	1969	1975	0			2	USGS	D
20100009	AHA-GAWA AT AHA, OKINAWA	264241	1281655	073		SW	9.50	004	1963	1975	2			2	USGS	D
20100009	FUN-GAWA NEAR AHA OKINAWA	264433	1281653	073		SW	3.30	004	1964	1971	Q				USGS	D

CARIBBEAN REGION 21

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
21010001	RIO GUAJATACA AT LARES, PR	181801	0665224	072	040	SW	3.16		1958		Q			E	USGS	D
21010001	RIO CAMUY NR LARES, PR	181749	0664931	072	040	SW	7.62		1958	1971	2	A		2	USGS	D
21010001	RIO CRIMINALES NR LARES PR	181757	0664922	072	070	SW	4.68	004	1959	1971	2	R		2	USGS	D
21010001	RIO GRANDE DE ARRECIBO NR ADJUNTAS	181054	0664412	072	001	SW	18.70	004	1969	1974	E			E	USGS	D
21010001	RIO PELLEJAS AT CENTRAL PELLEJAS	181207	0664216	072	001	SW	5.46		1963	1974	A			7	USGS	D
21010001	QUEBRADA AZUL AT CENTRAL PELLEJAS, PR	181218	0664208	072	001	SW			1973	1975	R			R	USGS	D
21010001	RIO PELLEJAS BL CENTRAL PELLEJAS	181222	0664213	072	001	SW	7.89		1971	1974	E			E	USGS	D
21010001	RIO PELLEJAS NR UTUADO PR	181353	0664256	072	070	SW	9.55	004	1969	1974	O	O		E	USGS	P
21010001	RIO VIVI NR CENTRAL PELLEJAS PR	181253	0664025	072	070	SW	5.66	004	1963	1974	O	O		7	USGS	P
21010001	RIO VIVI DIVER TUNNEL NR UTUADO PR	181431	0664009	072	070	CN		024	1969	1974	E			E	USGS	D
21010001	QUEBRADA JORDAN NR UTUADO PR	181431	0664009	072	070	SW	1.22	004	1969	1974	E			E	USGS	D
21010001	RIO GRANDE DE ARECIBO NR UTUADO PR	181811	0664159	072	070	SW	66.20	004	1958	1974	M	M		E	USGS	P
21010001	RIO JAUCA NR JAYUYA PR	181116	0663825	072	036	SW	4.44	004	1969	1974	E			E	USGS	D
21010001	RIO CAONILLAS NR JAYUYA, PR	181318	0663828	072	070	SW	36.80		1959	1970	E			E	USGS	D
21010001	RIO LIMON NR HACIENDA ETUON PR	181736	0663654	072		SW			1971	1974	B	B			USGS	D
21010001	RIO GRANDE DE ARECIBO BELOW LAGO DOS BOCAS,	182017	0664004	072	007	SW	169.00		1970	1975	E				USGS	D
21010001	RIO GRANDE DE ARECIBO BL LAGO DOS BOCAS FLA,	182050	0664002	072	007	SW			1974		E			E	USGS	D
21010001	RIO TANAMA NR UTUADO, PR	181802	0664658	099	070	SW	18.40	004	1913		O	O		O	USGS	D
21010001	RIO GRANDE DE MANATI NR MOROVIS, PR	181745	0662447	072	050	SW	55.20	004	1960		A			A	USGS	D
21010001	RID SANA MUERTO NR OROCOVIS, PR	181614	0662447	072	050	SW	3.68		1966	1973	E			E	USGS	D
21010001	RIO BAUTA NR OROCOVIS, PR	181410	0662718	072	053	SW	16.60	004	1958		2	E		2	USGS	D
21010001	RIO GRANDE DE MANATI AT CIALES, PR	181926	0662736	072	019	SW	128.00		1968	1975	H			H	USGS	D
21010001	RIO GRANDE DE MANATI AT HWY 145 AT CIALES, P	182015	0662749	072	019	SW	132.00	004	1959		Q			E	USGS	D
21010001	RIO CIALITOS AT HWY 649 AT CIALES, PR	182018	0662828	072	019	SW	17.00		1969		E			E	USGS	D
21010001	RIO COROZAL AT COROZAL, PR	182039	0661916	072	023	SW	9.12		1958		E			E	USGS	D
21010001	RIO CIBUCO BL COROZAL PR	182113	0662007	072	023	SW	15.10	004	1969	1974	R			R	USGS	D
21010002	CANAL DIVERSION LAGO GUAJATACA, PR	182402	0665525	072	035	SW			1958		E			E	USGS	D
21010002	RIO GUAJATACA ABOVE MOUTH NR QUEBRADILLAS, P	182831	0665746	072	035	SW	63.10		1969		Q			E	USGS	D
21010002	RIO CAMUY AT LA CUESTA, PR	182500	0664917	072	032	SW			1959	1971	E			E	USGS	D
21010002	RIO CAMUY NR CAMUY PR	182825	0664950	072	032	SW		014	1969	1974	A	A		9	USGS	D
21010002	RIO TANAMA AT CHARCO HONDO, PR	182452	0664252	072	007	SW	57.60		1969	1971	A			E	USGS	D
21010002	RIO GRANDE DE ARECIBO AT CENTRAL CAMBALACHE,	182720	0664210	072	007	SW		014	1963		E			E	USGS	D
21010002	RIO GRANDE DE MANATI AT HWY 667 AT MANATI, P	182526	0663105	072	045	SW			1963	1969	R			R	USGS	D
21010002	RIO GRANDE DE MANATI AT HIGHWAY 2	182552	0663137	072	009	SW		004	1969		A	A			USGS	

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21010002	RIO GRANDE DE MANATI AT HWY 2 NR MANATI, PR	182552	0663207	072		SW			1976		E			E	USGS	D
21010002	LAGUNA TORTUGUERO OUTLET NR VEGA BAJA, PR	182829	0662650	072	045	SW			1964		E			E	USGS	D
21010002	RIO CIBUCO NR VEGA BAJA, PR	182600	0662142	072	071	SW			1958	1969	Q			Q	USGS	D
21010002	RIO UNIBON NR MOROVIS, PR	182038	0662235	072	050	SW	5.29		1958	1970	A			A	USGS	D
21010002	RIO INDIO NR VEGA BAJA, PR	182619	0662213	072	072	SW			1958	1971	E			E	USGS	D
21010002	RIO CIBUCO AT VEGA BAJA, PR	182653	0662229	072	072	SW		004	1972		E			E	USGS	D
21010002	RIO CIBUCO AT CENTRAL SAN VICENTE, PR	182742	0662156	072	072	SW	92.50		1969	1974	E			E	USGS	D
21010003	RIO GUANAJIBO AT LA PICA PR	180411	0665729	072	062	SW			1974	1974	K			R	USGS	D
21010003	RIO GUANAJIBO AT HWY 119 AT SAN GERMAN, PR	180506	0670202	072	062	SW			1975		Q	B		6	USGS	D
21010003	RIO ROSARIO AT ROSARIO PR	181022	0670431	072	062	SW	17.60		1963	1975	A			A	USGS	D
21010003	RIO GUANAJIBO NR HORMIGUEROS, PR	180829	0670846	072	033	SW	120.00	004	1958		Q			9	USGS	D
21010003	RIO YAGUEZ AT PRESADA DE MAYAGUEZ, PR	181202	0670413	072	048	SW			1975		Q	B		E	USGS	D
21010003	RIO YAGUEZ AT MAYAGUEZ, PR	181227	0670827	072	048	SW	13.20	003	1974		Q	B		E	USGS	D
21010003	R YAHUECAS HWY 135 NR ADJUNTAS PR	181203	0664751	072	001	SW			1969	1971	A			7	USGS	C
21010003	RIO GRANDE DE ANASCO NR LARES, PR	181528	0665505	072	065	SW	26.30		1959		Q			6	USGS	D
21010003	RIO GRANDE DE ANASCO NR SAN SEBASTIAN, PR	181653	0670256	072	056	SW	94.30	004	1963		Q			9	USGS	D
21010003	RIO GRANDE DE ANASCO AT EL ESPINO, PR	181650	0670647	072	006	SW	108.00		1959	1970	E				USGS	D
21010003	RIO GRANDE DE ANASCO NR ANASCO, PR	181629	0670943	072	006	SW			1974		Q	B		9	USGS	D
21010003	RIO CULEBRINAS AT SAN SEBASTIAN, PR	182008	0665946	072	065	SW	16.60	004	1962		A			A	USGS	D
21010003	RIO CULEBRINAS AT HWY 404 NR MOCA, PR	182142	0670533	072	049	SW	71.20	004	1967		A	E		E	USGS	D
21010003	RIO CULEBRINAS NR MOCA, PR	182237	0670706	072	049	SW	83.30		1959	1968	R			R	USGS	D
21010003	RIO CULEBRINAS NR AGUADA, PR	182403	0670940	072	002	SW	97.00	004	1958		K			K	USGS	D
21010004	QUEBRADA BLASINA NR CAROLINA, PR	182327	0655828	072	064	SW			1970		Q	B		E	USGS	D
21010004	RIO GRANDE DE LOIZA AT CENTRAL CANOVANAS, PR	182412	0655435	072	043	SW			1972		Q	B		E	USGS	D
21010004	RIO FAJARDO BELOW FAJARDO, PR	181934	0653842	072	026	SW			1974		Q	B		E	USGS	D
21010004	RIO JACABOA AT HACIENDA SAN ISIDRO, PR	175849	0655802	072	054	SW	5.23		1963	1974	A			A	USGS	D
21010004	RIO GRANDE DE PATILLAS NR PATILLAS	180204	0660158	072	054	SW	18.30	004	1959		E			E	USGS	D
21010004	RIO GRANDE DE PATILLAS AT PATILLAS, PR	180015	0660127	072	054	SW	27.90		1974		Q	B		E	USGS	D
21010004	RIO GUAMANI NR GUAYAMA, PR	175730	0660820	072	028	SW	12.30	014	1960	1970	E			E	USGS	D
21010004	RIO MAJADA AT LA PLENA, PR	180240	0661227	072	061	SW	16.70	004	1973		E			E	USGS	D
21010004	RIO COAMO NR COAMO PR	180352	0662210	072	021	SW	46.00	004	1959		E			E	USGS	D
21010004	RIO DESCALABRADO NR LOS LLANOS PR	180307	0662534	072	037	SW	12.90	004	1960	1975	A			A	USGS	D
21010004	RIO TOA VACA AT HWY 150 NR VILLALBA, PR	180609	0662743	072	074	SW	19.30		1958	1969	E	9		9	USGS	D
21010004	RIO TOA VACA NR VILLALBA, PR	180617	0662852	072	074	SW	21.40		1966	1970	E			E	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
21010004	RIO INABON AT REAL ABAJO, PR	180510	0663346	072	056	SW	9.70	004	1962		E			E	USGS	D
21010004	RIO CERRILLOS NR PONCE, PR	180422	0663453	072	056	SW	7.80	004	1964		Y	Y		E	USGS	D
21010004	RIO BUCANA NR PONCE, PR	180218	0663512	072	056	SW	25.60	014	1958		Y	Y		E	USGS	D
21010004	RIO PORTUGUES NR PONCE, PR	180445	0663803	099	056	SW	10.40	004	1964		O	Q		O	USGS	D
21010004	RIO PORTUGUES AT HWY 2 BY PASS AT PONCE, PR	175952	0663652	072	056	SW			1975		Q	B		E	USGS	D
21010004	RIO TALLABOA AT PENUELAS PR	180302	0664319	072	055	SW	24.20	004	1958	1975	Q			E	USGS	D
21010004	RIO MACANA NR GUAYANILLA, PR	180041	0664559	072	029	SW			1960	1974	A				USGS	D
21010004	RIO GUAYANILLA AT BARRIO MACANA, PR	180324	0664703	072	029	SW			1974		Q	B		E	USGS	D
21010004	RIO GUAYANILLA NR GUAYANILLA, PR	180252	0664807	072	029	SW	18.50		1960	1970	E			E	USGS	D
21010004	RIO GUAYANILLA AT GUAYANILLA PR	180201	0664757	072	029	SW	20.80	004	1960	1974	A			E	USGS	D
21010004	RIO GUAYANILLA AT CENTRAL RUFINA, PR	180040	0664649	072	029	SW			1974		Q	B		6	USGS	D
21010004	RIO YAUCO AT CENTRAL SAN FRANCISCO, PR	175922	0664914	072	029	SW			1960	1974	K			K	USGS	D
21010004	RIO LOCO AT GUANICA, PR	175844	0665458	072	029	SW			1975		Q	B		E	USGS	D
21010005	RIO DE LA PLATA AT PROYECTO LA PLATA, PR	180937	0661344	072	005	SW	54.80	014	1959		Q	E		E	USGS	D
21010005	RIO LAJAS AT TOA ALTA PR	182328	0661528	072	067	SW	8.65	004	1966	1975	Q			Q	USGS	D
21010005	RIO LAJAS AT TOA ALTA P R	182339	0661516	072	067	SW	8.65		1958	1968	E				USGS	D
21010005	RIO DE LA PLATA AT TOA ALTA, PR	182350	0661517	072	025	SW	200.00	014	1958		E			E	USGS	D
21010005	RIO DE BAYAMON NR AGUAS BUENAS, PR	181439	0660839	072	004	SW	18.50		1958		E			E	USGS	D
21010005	RIO DE BAYAMON AT HWY 174 NR BAYAMON, PR	181810	0660827	072	011	SW	31.90		1958	1970	A	A		A	USGS	D
21010005	RIO DE BAYAMON NR BAYAMON, PR	182008	0660813	072	011	SW	41.80		1964	1971	E	E		E	USGS	D
21010005	RIO GUAYNABO AT LA MUDA NEAR GUAYNABO,P.R.	181951	0660558	072		SW			1974	1974	K			K	USGS	D
21010005	RIO GUAYNABO AT HWY 836 NEAR GUAYNABO, P.R.	182005	0660610	072		SW			1974		E			E	USGS	D
21010005	RIO DE BAYAMON AT BAYAMON PR	182353	0660825	072	011	SW	71.90		1959	1974	A				USGS	D
21010005	R DE BAYAMON AT H 167 AT BAYAMON	182417	0660922	072	011	SW			1969	1974	E				USGS	D
21010005	RIO DE BAYAMON AT BAYAMON FLOOD-CHANNEL, PR	182501	0660926	072	011	SW			1973		E			E	USGS	D
21010005	QUE LAS CURIAS NR RIO PIEDRAS PR	182044	0660326	072	063	SW	1.50	013	1972		E			E	USGS	D
21010005	QUEBRADA LAS CURIAS TRIBUTARY NR RIO PIEDRAS	182019	0660333	072	063	SW	1.65	003	1972		Q			E	USGS	P
21010005	RIO PIEDRAS NR RIO PIEDRAS, PR	182215	0660340	072	063	SW	8.07	003	1971		Q			E	USGS	P
21010005	RIO PIEDRAS AT RIO PIEDRAS, PR	182348	0660324	072	063	SW	12.50	013	1960	1975	R			R	USGS	D
21010005	RIO PIEDRAS AT HATO REY, PR	182434	0660410	072	063	SW	15.40	013	1970		Q	E		E	USGS	D
21010005	QUE MARGARITA AT CA PARRA HTS PR	182433	0660618	072		SW	1.77	003	1972	1975	E				USGS	D
21010005	SAN JOSE LAGOON NO 1 AT SAN JUAN, PR	182503	0660053	072	063	ES			1974		Q				USGS	D
21010005	SAN JOSE LAGOON NO 2 AT SAN JUAN, PR	182550	0660212	072	060	ES			1974		Q				USGS	P
21010005	SAN JUAN BAY NO 5 AT SAN JUAN, PR	182637	0660516	072	063	ES			1974		Q				USGS	D

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21010005	SAN JUAN BAY NO 3 AT SAN JUAN, PR	182709	0660636	072		ES			1974		Q				USGS	D
21010005	RIO GRANDE DE LOIZA AT CAGUAS, PR	184535	0660035	072	013	SW	89.80	014	1959		Q			E	USGS	D
21010005	RIO CAGUITAS AT HWY 30 AT CAGUAS PR	181511	0660126	072	013	SW	17.50	003	1973		Q			E	USGS	P
21010005	RIO BAIROA NR CAGUAS, PR	181528	0660213	072	013	SW	5.40		1958	1974	R			R	USGS	D
21010005	RIO VALENCIANO NR LAS PIEDRAS PR	181037	0655421	072	042	SW	6.85	004	1971	1974	Y	Y		9	USGS	D
21010005	RIO VALENCIANO NR JUNCOS, PR	181258	0655534	072	013	SW	16.40	004	1971		Q			E	USGS	P
21010005	RIO GURABO AT GURABO, PR	181530	0655805	072	031	SW	60.20	004	1958		Q	E		E	USGS	D
21010005	RIO CANAS ABOVE LAGO LOIZA, PR	181734	0660233	072	013	SW			1973	1974	R			R	USGS	D
21010005	RIO CANOVANAS NR CAMPO RICO, PR	181908	0655321	072	043	SW	9.84	004	1967		E			E	USGS	D
21010005	RIO HERRERA NR COLONIA DOLORES PR	182102	0655200	072	059	SW	2.75	004	1966	1974	R			R	USGS	D
21010005	RIO ESPIRITU SANTO NR EL VERDE PR	181851	0654922	072	059	SW	2.23	004	1963	1974	E			E	USGS	D
21010005	RIO ESPIRITU SANTO NR RIO GRANDE, PR	182137	0654849	072	059	SW	8.62	004	1958		A	A		E	USGS	D
21010005	RIO GRANDE NR EL VERDE, PR	182054	0655030	072	059	SW	7.31	004	1967		E			E	USGS	D
21010005	RIO MAMEYEZ NR SABANA PR	181946	0654504	072	059	SW	6.88	004	1967	1974	E			E	USGS	D
21010005	RIO MAMEYES AT HWY 191 AT MAMEYES, PR	182203	0654614	072	059	SW	11.80	004	1966		E			E	USGS	D
21010005	RIO MAMEYES AT MAMEYES, PR	182227	0654550	072	059	SW	13.50		1958		E				USGS	D
21010005	RIO FAJARDO NR FAJARDO, PR	181756	0654142	072	026	SW	14.90	004	1961		Q			E	USGS	D
21010005	RIO FAJARDO AT FAJARDO, PR	181911	0653907	072	026	SW	21.60		1958	1974	E				USGS	D
21010005	QUEBRADA PALMA AT DAGUAO, PR	181316	0654130	072	051	SW	4.84	004	1965		E			E	USGS	D
21010005	RIO BLANCO AT RIO BLANCO, PR	181309	0654657	072	051	SW	17.60		1958		E			E	USGS	D
21010005	RIO HUMACAO AT LAS PIEDRAS, PR	181027	0655211	072	042	SW	6.65		1959		Q			E	USGS	D
21010005	RIO HUMACAO NR HUMACAO PR	180937	0655041	072	034	SW		004	1972	1973	A			A	USGS	D
21010005	RIO HUMACAO AT HWY 3 AT HUMACAO, PR	180849	0654938	072	034	SW	17.30		1958		Q			E	USGS	P
21010005	RIO GUAYANES NR COLONIA LAURA, PR	180453	0655733	072	075	SW	4.69	004	1969		Q			E	USGS	D
21010005	RIO GUAYANES NR YABUCOA, PR	180333	0655403	072	075	SW	17.20		1968	1973	E			E	USGS	D
21010005	RIO LIMONES NR YABUCOA, PR	180435	0655342	072	075	SW	7.89		1969	1973	E			E	USGS	D
21010005	RIO GUAYANES ABV MOUTH AT PLAYA DE GUAYANES,	180345	0654942	072	075	SW	39.30		1974		Q	B		E	USGS	D
21010005	RIO MAUNABO AT LIZAS, PR	180131	0655624	072	047	SW	5.15	004	1971	1974	R			R	USGS	D
21010005	RIO MAUNABO AT MAUNABO, PR	180024	0655419	072	047	SW	12.40	004	1958		E			E	USGS	D

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500095	GENKA-KAWA NEAR GENKA, OKINAWA	263643	1280347	073		SW	3.90	004	1964	1975	2			2	USGS	D

MISCELLANEOUS

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
	CANYON CREEK AT MOUTH AT BRIDGE	472925	1155449	016	079	SW			1977		K				IDOO4	D
	BAPTISM RIVER <	472029	0911159	027	075	SW			1979		K				MNO12	D
	BIG THIRTYNINE CREEK <	471813	0912432	027	075	SW			1979		K				MNO12	D
	MAIN BRANCH BEAVER RIVER <	471745	0912428	027	075	SW			1979		A				MNO12	D
	CAULKS CREEK	383917	0903543	029	189	SW			1978		M				MOOO3	
	CAULKS CREEK	383917	0903543	029	189	SW			1978		M				MOOO3	
	BONHOMME CREEK	383954	0903447	029	189	SW			1978		M				MOOO3	
	BONHOMME CREEK	383954	0903447	029	189	SW			1978		M				MOOO3	
	MILL CREEK	385127	0901630	029	189	SW			1978		M				MOOO3	
	HEMLOCK LAKE	424600	0773700	036	051	LK			1874		M				NYOO6	
	CANADIAN R AT US385 N OF TASCOSA	353115	1021539	048	359	SW			1969	1977	E	E		E	TNOO2	D
	TRINITY R AT SH7 W OF CROCKETT	312012	0953924	048	225	SW			1968	1977	E	E		E	TNOO2	D
	BRIDGE ON US 277-281 NORTHEAST OF BURKBURNET	340627	0983200	048	485	SW			1968		R	R		R	TXOO1	D
	TIBBEE CR NR TIBBEE MS	333217		028	025	SW			1973		M				USCE	
	STATION DEPTH=20 METERS	340802	0843700	013	057	LK			1977			A			USCE	D
	STATION DEPTH=38 METERS	340905	0844300	013	015	LK			1977			A			USCE	D
	STATION DEPTH=20 METERS	340604	0844205	013	015	LK			1977			A			USCE	D
	ETOWAH R @ U.S. ROUTE 41 BRIDGE	340900	0844505	013	015	LK			1977			A			USCE	D
	ETOWAH R @ HWY 61 BRIDGE ABV STP	340900	0844700	013	015	LK			1977			A			USCE	D
	COOSAWATTEE R MOUTH @ CARTERS LA	343945	0843510	013	123	LK			1977			A			USCE	D
	STATION DEPTH=67 METERS	343716	0843714	013	123	LK			1977			A			USCE	D
	STATION DEPTH=107 METERS	343623	0843815	013	123	LK			1977			A			USCE	D
	STATION DEPTH=123 METERS	343655	0843957	013	213	LK			1977			A			USCE	D
	TALKING ROCK CR @ HWY 156 BRIDGE	343518	0844006	013	213	LK			1977			A			USCE	D
	COOSAWATTEE R @ CARTERS LAKE DAM	343613	0844144	013	213	LK			1977			A			USCE	D
	MR-GO 500 FEET NORTH OF MI. 14.1	293740	0891840	022	075	SW			1966	1968	A			A	USCE	D
	MR-GO 500 FEET SOUTH OF MI. 14.1	293740	0891840	022	075	SW			1966	1968	A			A	USCE	D
	MR-GO 800 FEET NORTH OF MI. 14.1	293740	0891840	022	075	SW			1969	1969	A			A	USCE	D
	MR-GO 800 FEET SOUTH OF MI. 14.1	293740	0891840	022	075	SW			1969	1969	A			A	USCE	D
	MR-GO 1000 FEET NORTH OF MI 14.1	293740	0891840	022	075	SW			1966	1968	A			A	USCE	D
	MR-GO 1000 FEET SOUTH OF MI 14.1	293740	0891840	022	075	SW			1966	1968	A			A	USCE	D
	MR-GO 500 FEET NORTH OF MI. 19.0	294000	0892220	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 500 FEET SOUTH OF MI. 19.0	294000	0892220	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 1000 FEET NORTH OF MI 19.0	294000	0892220	022	087	SW			1966	1968	A			A	USCE	D

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	MR-GO 1000 FEET SOUTH OF MI 19.0	294000	0892220	022	087	SW			1966	1966	A			A	USCE	D
	MR-GO 500 FT. NORTH OF MI. 12.2	293615	0891700	022	087	SW			1966	1967	K			K	USCE	D
	MR-GO 500 FT. SOUTH OF MI. 12.2	293615	0891700	022	087	SW			1966	1967	K			K	USCE	D
	MR-GO 800 FT. NORTH OF MI. 12.2	293615	0891700	022	087	SW			1969	1969	A			A	USCE	D
	MR-GO 800 FT. SOUTH OF MI. 12.2	293615	0891700	022	087	SW			1969	1969	A			A	USCE	D
	MR-GO 1000 FT. NORTH OF MI. 12.2	293615	0891700	022	087	SW			1966	1967	K			K	USCE	D
	MR-GO 1000 FT. SOUTH OF MI. 12.2	293615	0891700	022	087	SW			1966	1967	K			K	USCE	D
	MR-GO 500 FT. NORTH OF MILE 9.5	293412	0891404	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 500 FT. SOUTH OF MILE 9.5	293412	0891404	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 800 FT. NORTH OF MILE 9.5	293412	0891404	022	087	SW			1969	1969	A			A	USCE	D
	MR-GO 800 FT. SOUTH OF MILE 9.5	293412	0891404	022	087	SW			1969	1969	A			A	USCE	D
	MR-GO 1000 FT. NORTH OF MI. 9.5	293412	0891404	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 1000 FT. SOUTH OF MI. 9.5	293412	0891404	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 500 FT. NORTH OF MILE 6.0	293255	0891215	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 500 FT. SOUTH OF MILE 6.0	293255	0891215	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 800 FT. NORTH OF MILE 6.0	293255	0891215	022	087	SW			1969	1969	A			A	USCE	D
	MR-GO 800 FT. SOUTH OF MILE 6.0	293255	0891215	022	087	SW			1969	1969	A			A	USCE	D
	MR-GO 1000 FT. NORTH OF MI. 6.0	293255	0891215	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 1000 FT. SOUTH OF MI. 6.0	293255	0891215	022	087	SW			1966	1968	A			A	USCE	D
	MR-GO 300 FEET SOUTH OF MI. 18.3	293940	0892150	022	087	SW			1967	1968	E			E	USCE	D
	MR-GO 500 FEET NORTH OF MI. 18.3	293940	0892150	022	087	SW			1967	1968	E			E	USCE	D
	MR-GO 1000 FEET NORTH OF MI 18.3	293940	0892150	022	087	SW			1967	1968	E			E	USCE	D
	MR-GO 500 FEET NORTH OF MI. 13.7	293740	0891835	022	075	SW			1967	1967	R			R	USCE	D
	MR-GO 500 FEET SOUTH OF MI. 13.7	293740	0891835	022	075	SW			1967	1967	R			R	USCE	D
	MR-GO 1000 FEET NORTH OF MI 13.7	293740	0891835	022	075	SW			1967	1967	R			R	USCE	D
	MR-GO 1000 FEET SOUTH OF MI 13.7	293740	0891835	022	075	SW			1967	1967	R			R	USCE	D
	COLUMBIA RIVER ABV VANCOUVER	453608	1223512	053	011	SW			1977		A				USEPA	D
	COLUMBIA RIVER ABV ST HELENS	454810	1224720	053	011	SW			1977		A				USEPA	D
	COLUMBIA RIVER NEAR KALAMA	460133	1225218	053	015	SW			1977		A				USEPA	D
	COLUMBIA RIVER AT BEAVER TERM	461100	1231052	053	015	SW			1977		A				USEPA	D
	LEWIS RIVER AT WOODLAND	455325	1224355	053	011	SW			1977		A				USEPA	D
	MIDDLE FORK PINE CR	472500	1161700	016	079	SW			1977		N				USFS	D
	WEST FORK PINE CR	472600	1161800	016	079	SW			1977		N				USFS	D
	PLACER CREEK	472800	1155600	016	079	SW			1977		K				USFS	D

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	EAST FORK PINE CR	472900	1161300	016	079	SW			1977		K				USFS	D
	INDEPENDENCE CREEK,BASELINE	474800	1161300	016	079	SW			1977		K				USFS	D
	BIG ELK CREEK	474800	1161700	016	055	SW			1977		N				USFS	D
	TEPEE CREEK	474800	1161700	016	055	SW			1977		N				USFS	D
	CINNAMON CREEK	475200	1160600	016	079	SW			1977		A				USFS	D
	CALAMITY CREEK	475600	1160700	016	079	SW			1977		A				USFS	D
	ALDEN CREEK	475700	1160600	016	079	SW			1977		A				USFS	D
	CABIN CREEK	474900	1155700	016	079	SW			1977		N				USFS	D
	FALLS CREEK	474700	1155700	016	079	SW			1977		A				USFS	D
	LOST CREEK	474200	1155700	016	079	SW			1977		N				USFS	D
	OFFSET GULCH	474700	1155800	016	079	SW			1977		A				USFS	D
	SENTINEL CREEK	475200	1160000	016	079	SW			1977		K				USFS	D
	SHOSHONE CREEK	474200	1155700	016	079	SW			1977		K				USFS	D
	TEDDY CR	474700	1160300	016	079	SW			1977		A				USFS	D
	VENUS CREEK	474400	1160000	016	079	SW			1977		N				USFS	D
	EAST FORK LOST CREEK	474300	1155600	016	079	SW			1977		A				USFS	D
	DEER CREEK	473400	1155600	016	079	SW			1977		N				USFS	D
	COAL CREEK	473800	1160800	016	079	SW			1977		K				USFS	D
	BEAVER CREEK	473400	1155600	016	079	SW			1977		N				USFS	D
	DUDLEY CREEK	473300	1155600	016	079	SW			1977		A				USFS	D
	EAGLE CREEK	473900	1155500	016	079	SW			1977		K				USFS	D
	GRANITE CREEK	473600	1154700	016	079	SW			1977		R				USFS	D
	IDAHO GULCH	473700	1154900	016	079	SW			1977		N				USFS	D
	PONY GULCH	473500	1155600	016	079	SW			1977		R				USFS	D
	POTOSI GULCH	473500	1155600	016	079	SW			1977		R				USFS	D
	PRICHARD CR	473600	1154800	016	079	SW			1977		A				USFS	D
	OPHIR GULCH	473700	1155000	016	079	SW			1977		R				USFS	D
	TIGER GULCH	473800	1155200	016	079	SW			1977		K				USFS	D
	STEAMBOAT CREEK	473900	1160900	016	079	SW			1977		N				USFS	D
	FLAT CREEK	474800	1160400	016	079	SW			1977		N				USFS	D
	TIMBER CREEK	474300	1161400	016	079	SW			1977		N				USFS	D
	HONEY CREEK	475400	1162900	016	055	SW			1977		A				USFS	D
	GIMLET CREEK	473900	1162200	016	055	SW			1977		K				USFS	D
	DECEPTION CREEK	474400	1162800	016	055	SW			1977		K				USFS	D

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	COPPER CREEK	473900	1162400	016	055	SW			1977		K				USFS	D
	SOLITAIRE CREEK	475200	1162900	016	055	SW			1977		A				USFS	D
	SANDS CREEK	474300	1162800	016	055	SW			1977		K				USFS	D
	LONE CABIN CREEK BELOW MINE	474500	1163100	016	055	SW			1977		A				USFS	D
	LEIBERG CREEK BASELINE	474500	1162200	016	055	SW			1977		R				USFS	D
	LAVIN CREEK	474500	1162100	016	055	SW			1977		A				USFS	D
	TOM LAVIN CREEK	475100	1163000	016	055	SW			1977		A				USFS	D
	TIE CREEK	474500	1162100	016	055	SW			1977		K				USFS	D
	SOB CREEK	475300	1162900	016	055	SW			1977		A				USFS	D
	BEAUTY CREEK BASELINE	473600	1164000	016	055	SW			1977		N				USFS	D
	WOLFLODGE CREEK,SECTION 16	474200	1163600	016	055	SW			1977		A				USFS	D
	BEAUTY CREEK BELOW MINE	473500	1163900	016	055	SW			1977		A				USFS	D
	BEAUTY CREEK ABOVE MINE	473500	1163800	016	055	SW			1977		A				USFS	D
	WOLFLODGE CREEK BASELINE	473800	1163700	016	055	SW			1977		A				USFS	D
	VARNUM CREEK	473500	1163900	016	055	SW			1977		A				USFS	D
	CEDAR CREEK	473800	1163600	016	055	SW			1977		A				USFS	D
	NORTH FORK HAYDEN CREEK	475000	1163900	016	055	SW			1977		A				USFS	D
	HAYDEN CREEK BASELINE	474900	1164200	016	055	SW			1977		A				USFS	D
	MOKINS CREEK	474700	1163900	016	055	SW			1977		A				USFS	D
	YELLOWBANKS CREEK	474600	1164000	016	055	SW			1977		K				USFS	D
	LATOUR CREEK	472800	1162600	016	055	SW			1977		K				USFS	D
	BALDY CR	472800	1162200	016	055	SW			1977		K				USFS	D
	BUTLER CREEK	472600	1162700	016	055	SW			1977		N				USFS	D
	S FK COEUR D ALENE R.,BASELINE	472800	1154300	016	079	SW			1977		N				USFS	D
	BOULDER CREEK	483600	1160500	016	021	SW			1977		N				USFS	D
	UPPER BOULDER CREEK	483300	1161400	016	021	SW			1977		A				USFS	D
	DEER CREEK	484900	1160700	016	021	SW			1977		N				USFS	D
	GILLION CREEK LOWER	485800	1161300	016	021	SW			1977		R				USFS	D
	UPPER GILLION CREEK	485900	1161200	016	021	SW			1977		R				USFS	D
	MOYIE RIVER ABOVE EASTPORT	485900	1161100	016	021	SW			1977		A				USFS	D
	MOYIE RIVER BELOW EASTPORT	485900	1161000	016	021	SW			1977		A				USFS	D
	KENO CREEK	483300	1160700	016	021	SW			1977		N				USFS	D
	TRAIL CREEK	483400	1162300	016	021	SW			1977		N				USFS	D
	BALL CREEK	484700	1162500	016	021	SW			1977		N				USFS	D

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	MYRTLE CREEK	484200	1162500	016	021	SW			1977		R				USFS	D
	UPPER MYRTLE CREEK	484400	1163500	016	021	SW			1977		R				USFS	D
	MISSION CREEK	485600	1162000	016	021	SW			1977		N				USFS	D
	EF MISSION CREEK	485900	1162000	016	021	SW			1977		N				USFS	D
	LONG CANYON CREEK	485700	1163200	016	021	SW			1977		N				USFS	D
	SMITH CREEK	485800	1163300	016	021	SW			1977		N				USFS	D
	COW CREEK	485500	1164100	016	021	SW			1977		R				USFS	D
	UPPER COW CREEK	485500	1164100	016	021	SW			1977		A				USFS	D
	SMITH CREEK-UNION ROAD	485600	1164800	016	021	SW			1977		R				USFS	D
	BOUNDARY AT USGS GAGE SITE	485900	1163400	016	021	SW			1977		N				USFS	D
	TWIN CR	480400	1160700	016	017	SW			1977		A				USFS	D
	JOHNSON CR	480800	1161300	016	017	SW			1977		K				USFS	D
	STRONG CREEK	481500	1161700	016	017	SW			1977		K				USFS	D
	EF LIGHTNING CR	481400	1160600	016	017	SW			1977		K				USFS	D
	HALFWAY CR	480500	1162300	016	017	SW			1977		K				USFS	D
	GRANITE CR	480500	1162400	016	017	SW			1977		K				USFS	D
	NORTH GOLD CR	475800	1162500	016	017	SW			1977		K				USFS	D
	FISH CR	480600	1163800	016	017	SW			1977		A				USFS	D
	NF GROUSE CR	482700	1162200	016	017	SW			1977		R				USFS	D
	GROUSE CR	482500	1162600	016	017	SW			1977		R				USFS	D
	TRAPPER CR	482400	1161600	016	017	SW			1977		R				USFS	D
	STEVE CR	482200	1161600	016	017	SW			1977		A				USFS	D
	NORTH DONE	482200	1161700	016	017	SW			1977		A				USFS	D
	LITTLE SAND CREEK	482000	1163600	016	017	SW			1977		K				USFS	D
	LITTLE SAND TRIB 1	482000	1163600	016	017	SW			1977		N				USFS	D
	LITTLE SAND TRIB 2	482000	1163700	016	017	SW			1977		K				USFS	D
	BOULDER CREEK	484600	1165800	016	017	SW			1977		K				USFS	D
	MATHAWIG CREEK	483500	1170000	016	017	SW			1977		N				USFS	D
	INDIAN CREEK	483800	1165900	016	017	SW			1977		N				USFS	D
	REEDER CREEK	483800	1165900	016	017	SW			1977		K				USFS	D
	FEDAR CREEK	484000	1165600	016	017	SW			1977		R				USFS	D
	ZERO CREEK	484200	1170100	016	017	SW			1977		K				USFS	D
	SLOUGH CREEK	481900	1170200	053	051	SW			1977		N				USFS	D
	MOSQUITO CREEK	482000	1170300	053	051	SW			1977		N				USFS	D

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	MILLERS CREEK	482000	1170300	053	051	SW			1977		N				USFS	D
	BEAR PAW CREEK	482100	1170300	053	051	SW			1977		R				USFS	D
	ANDERSON CREEK	482800	1165800	016	017	SW			1977		A				USFS	D
	KLAHOWYA CREEK	483000	1170300	016	017	SW			1977		R				USFS	D
	CANYON CREEK	482200	1164500	016	017	SW			1977		K				USFS	D
	LITTLE NF CLEARWATER AT FR1268	470400	1154800	016	079	SW			1977		K				USFS	D
	ADAIR CR	470500	1154800	016	079	SW			1977		K				USFS	D
	ROCKY RUN	470300	1155000	016	079	SW			1977		K				USFS	D
	GLOVER CREEK	465800	1160300	016	079	SW			1977		K				USFS	D
	WF BLUFF CR	471000	1153100	016	079	SW			1977		N				USFS	D
	EF BLUFF CR	471000	1153000	016	079	SW			1977		N				USFS	D
	BEAVER CR	470500	1152100	016	079	SW			1977		K				USFS	D
	BAD BEAR CR	470400	1152600	016	079	SW			1977		R				USFS	D
	SHERLOCK CR ABOVE DREDGING	470400	1150100	016	079	SW			1977		A				USFS	D
	ENTENTE CR	471400	1152900	016	079	SW			1977		K				USFS	D
	GOLD CR.AT EF BRIDGE	471000	1152300	016	079	SW			1977		K				USFS	D
	FLOAT CR	471400	1152200	016	079	SW			1977		K				USFS	D
	INDIAN CR	470500	1152200	016	079	SW			1977		K				USFS	D
	RYE CR	472000	1154500	016	079	SW			1977		K				USFS	D
	BLUEBIRD CR	471600	1153700	016	079	SW			1977		N				USFS	D
	SKOOKUM CR	471400	1154200	016	079	SW			1977		K				USFS	D
	EF FISHHOOK	470800	1155200	016	079	SW			1977		N				USFS	D
	FLEMMING CR	471500	1155300	016	079	SW			1977		N				USFS	D
	OUTLAW CR	470900	1155400	016	079	SW			1977		N				USFS	D
	SIWASH CR	471400	1154500	016	079	SW			1977		K				USFS	D
	PROSPECTOR CR	471300	1153600	016	079	SW			1977		N				USFS	D
	UPPER PROSPECTOR CR	471300	1153600	016	079	SW			1977		N				USFS	D
	KELLY CREEK	471500	1154800	016	079	SW			1977		K				USFS	D
	UPPER MARBLE CR	470700	1160600	016	079	SW			1977		K				USFS	D
	EF BIG CR	471800	1160700	016	079	SW			1977		N				USFS	D
	MUD CABIN CR	471600	1160600	016	079	SW			1977		N				USFS	D
	FALLS CR	472200	1161800	016	079	SW			1977		A				USFS	D
	BLACK PRINCE CR	471600	1160300	016	079	SW			1977		N				USFS	D
	AGATHA CR	471600	1160500	016	079	SW			1977		N				USFS	D

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	ST MARIES RIVER AT MASHBURN	471100	1163000	016	009	SW			1977		N				USFS	D
	EAST FORK EMERALD CR AT FR447 BR	470100	1162000	016	057	SW			1977		N				USFS	D
	PRESTON CR ABOVE MOUTH	470500	1163500	016	009	SW			1977		N				USFS	D
	EF CHARLIE CR	470400	1163300	016	009	SW			1977		N				USFS	D
	LITTLE EF EMERALD CR ABOVE MOUTH	465900	1162200	016	057	SW			1973	1973	K				USFS	D
	HUME CR AT CHARLIE CR CROSSING	470500	1163500	016	009	SW			1977		N				USFS	D
	SWAMP CR AT FR447	465900	1162500	016	057	SW			1977		N				USFS	D
	>STAPLES> CR AT FS BOUNDARY	470300	1161700	016	079	SW			1973	1973	K				USFS	D
	WF MERRY CR	470200	1161300	016	079	SW			1977		N				USFS	D
	TWO BIT CR	470100	1161000	016	079	SW			1973	1973	R				USFS	D
	WINDY CR	470100	1160800	016	079	SW			1977		N				USFS	D
	GOLD CENTER CREEK	470100	1160800	016	079	SW			1977		K				USFS	D
	FLEWSIE CREEK	470100	1161100	016	079	SW			1977		N				USFS	D
	GRAMPS CREEK	470000	1160900	016	079	SW			1977		N				USFS	D
	FS ROAD BRIDGE 3000FT S WHITE CO	344702	0834656	013	311	SW			1977		R				USFS	D
	SMITH CR BELOW RECREATION AREA	344430	0834303	013	311	SW			1977	1979	R				USFS	D
	BRIDGE 1000 FT S OF TENN ST LINE	345918	0843813	013	213	SW			1977		K				USFS	D
	1000 FT BELOW ROUGH CREEK	345451	0843755	013	213	SW			1977		K				USFS	D
	S FK MINK CR ABV CONF W/WEST FK	423054	1122502	016	005	SW			1977		R				USFS	D
	W FK MINK CR AT CITY INTAKE	423054	1122503	016	005	SW			1977		R				USFS	D
	GIBSON JACK CR AT CITY INTAKE	424731	1122542	016	005	SW			1977		R				USFS	D
	COOKS RUN US-2	460945	0885345	026	071	LK			1977		A				USFS	D
	S. BR. PAINT US-2	461115	0885945	026	071	LK			1977		A				USFS	D
	5.1MI.085DEG. FR	462940	0884700	026	061	SW			1979		A				USFS	D
	BUTTERMILK HILL TIMBER SALE TMT	374746	0892939	017	077	SW			1977		N				USFS	D
	HUTCHINS CK 10 MI NW JONESBORO	373400	0892547	017	181	SW			1977		R				USFS	D
	BAY CREEK 4 MI N GLENDALE IL	373104	0883936	017	151	SW			1977		A				USFS	D
	BIG CREEK 4 MI N ELIZABETHTOWN	372955	0881923	017	069	SW			1977		A				USFS	D
	STONY R.10 MI.W.ISABELLA,MINN.	473806	0913119	027	075	SW			1977		N				USFS	D
		461515	1172915	053	023	SW			1973	1978	A				USFS	D
	LITTLE TUCANNON AT MOUTH	461345	1174337	053	013	SW			1973	1978	E				USFS	D
	PATAHA CR 1/2 MI ABV NFS BOUNDRY	461652	1173100	053	023	SW			1977		A				USFS	D
	JIM CREEK	461400	1175100	053	013	SW			1974	1978	A				USFS	D
	MILL CR BELOW BLUE CR	460345	1180907	053	071	SW			1977		R			R	USFS	D

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	LITTLE LOOKINGGLASS CR	454645	1175345	041	061	SW			1973	1977	A				USFS	D
	N FK WALLA WALLA R	455315	1180630	041	059	SW			1977		X				USFS	D
	SOUTH FORK WALLA WALLA	455300	1180600	041	059	SW			1977		W			X	USFS	D
	S FK UMATILLA R ABV THOMAS CR	454107	1181245	041	059	SW			1977		A			A	USFS	D
	THOMAS CR ABV S FK UMATILLA R	454045	1181145	041	059	SW			1977		A			A	USFS	D
	BULL CR	445815	1194007	041	023	SW			1973	1977	A			A	USFS	D
	HINTON CR	445937	1185845	041	023	SW			1977		A			A	USFS	D
	LANE CR	451122	1184552	041	059	SW			1977		A			A	USFS	D
	LINE CR	451007	1184245	041	059	SW			1977		A			A	USFS	D
	RANCHERIA CR	451045	1183722	041	061	SW			1977		A			A	USFS	D
	BOWMAN CR	451030	1184137	041	059	SW			1977		A			A	USFS	D
		445830	1184345	041	023	SW			1973	1978	E				USFS	D
	TROUGH CR	450045	1185107	041	023	SW			1977		R			R	USFS	D
	BIG MEADOW CR	445937	1183307	041	023	SW			1970	1978	E			E	USFS	D
	N FK JOHN DAY R	445950	1185430	041	023	SW			1977		A			A	USFS	D
	N FK JOHN DAY R	445950	1185500	041	023	SW			1977		A			A	USFS	D
	N FORK JOHN DAY	445500	1182400	041	023	SW			1977		A			A	USFS	D
	RUBY CREEK 200 YDS ABOVE CLEAR	444600	1182900	041	023	SW			1977		A			A	USFS	D
	TENCENT LEACH PAD	445000	1182800	041	023	SW			1977		A			A	USFS	D
	RASMUSSEN MINING	445000	1182800	041	023	SW			1977		A			A	USFS	D
	DESOLATION CR	445352	1184807	041	023	SW			1977		A			A	USFS	D
	DESOLATION CR	445937	1185600	041	023	SW			1977		A			A	USFS	D
	E FK MEADOW BROOK	445800	1185737	041	023	SW			1977		A			A	USFS	D
	MEADOW BROOK	445945	1185645	041	023	SW			1977		A			A	USFS	D
	HOWARD CR	445022	1184307	041	023	SW			1974	1978	A			A	USFS	D
	SPONGE CR	445005	1184400	041	023	SW			1974	1978	A			A	USFS	D
	BATTLE CR	445130	1184537	041	023	SW			1977		A			A	USFS	D
	WELCH CR	445237	1184630	041	023	SW			1974	1978	S			S	USFS	D
	BRUIN CR	445352	1184730	041	023	SW			1974	1978	A			A	USFS	D
	JUNKENS CREEK	445245	1184652	041	023	SW			1977		A				USFS	D
	HOG CREEK AT CULVERT S-763	445900	1185500	041	023	SW			1977		R			R	USFS	D
	BULLY CREEK ABOVE BRUSH CREEK	445600	1185700	041	023	SW			1977		A			A	USFS	D
	SMITH CREEK AT FOREST BOUNDARY	445800	1185800	041	023	SW			1977		A			A	USFS	D
	WEST FK MEADOW BRK ABOVE SMITH	445800	1185900	041	023	SW			1977		A			A	USFS	D

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	WEST FORK MEADOW BRK AT NF BDY	445600	1190100	041	023	SW			1977		A			A	USFS	D
	PARK CRETK AT S812	445004	1184008	041	023	SW			1974	1978	S			S	USFS	D
	BEEMAN CREEK AT MOUTH	445200	1184600	041	023	SW			1977		A			A	USFS	D
	TAMARACK CR	445430	1194200	041	069	SW			1977		A			A	USFS	D
	HUNTING CAMP CREEK 76-06	370732	0811414	051	021	SW			1977		A				USFS	D
	HUNTING CAMP CREEK 76-07	370734	0811329	051	021	SW			1977		K				USFS	D
	BICKLE RUN 8.5 MILES EAST ELKINS	385503	0794244	054	083	SW			1977		A				USFS	D
	WILLIAMS RIVER 19 MI NE RICHWD	381853	0801215	054	075	SW			1977		A				USFS	D
		381748	0801032	054	075	SW			1979		A				USFS	D
	NF SQUIRREL C NR SQUIRREL ID	440300		016	039	SW			1977		Y		Y		USFS	
	STONY FK AT NOETOWN			021	013	SW			1980		C				USGS	
	DELAWARE R AT WASHINGTON CROSSING NJ	401720	0745208	034	021	SW	6735.00		1976		R				USGS	D
	L ANDERSON C NR ROCKTON, PA	410311	0783924	042	033	SW			1979		Z			Z	USGS	D
	KRATZER RN AT BRIDGEPORT, PA	405830	0783306	042	033	SW			1979		Z			Z	USGS	D
	MOOSE C AT CLEARFIELD, PA	410210	0782656	042	033	SW			1979		Z			Z	USGS	D
	CLEARFIELD C AT ASHVILLE, PA	403340	0783305	042	021	SW			1979		Z			Z	USGS	D
	CLEARFIELD C AT FRUGALITY, PA	403913	0782947	042	021	SW			1979		Z			Z	USGS	D
	POWELL RN AT VAN ORMER, PA	404019	0782934	042	021	SW			1979		Z			Z	USGS	D
	BLAIN RN AT COALPORT, PA	404435	0783202	042	033	SW			1979		Z			Z	USGS	D
	N WITMER RN AT IRVONA, PA	404620	0783320	042	033	SW			1979		Z			Z	USGS	D
	PINE RN NR IRVONA, PA	404927	0783129	042	033	SW			1979		Z			Z	USGS	D
	CLEARFIELD C NR MADERA, PA	404830	0782814	042	033	SW			1979		Z			Z	USGS	D
	SHOFF MINE AT MADERA, PA	404930	0782659	042	033	SW			1979		Z			Z	USGS	D
	L MUDDY RN AT SMOKE RUN, PA	404732	0782542	042	033	SW			1979		Z			Z	USGS	D
	MUDDY RN AT MADERA, PA	404911	0782615	042	033	SW			1979		Z			Z	USGS	D
	JAPLING RN AT MADERA, PA	404945	0782610	042	033	SW			1979		Z			Z	USGS	D
	PINE RN NR MADER, PA	405104	0782650	042	033	SW			1979		Z			Z	USGS	D
	LOST RN AT MADERA, PA	405137	0782643	042	033	SW			1979		Z			Z	USGS	D
	UPPER MORGAN RN NR KELLEYTOWN, PA	405248	0782556	042	033	SW			1979		Z			Z	USGS	D
	POTTS RN AT KELLYTOWN, PA	405254	0782738	042	033	SW			1979		Z			Z	USGS	D
	MORGAN RN NR MINERAL SPRINGS, PA	405727	0782228	042	033	SW			1979		Z			Z	USGS	D
	L CLEARFIELD C NR GLEN RICHEY, PA	405551	0782753	042	021	SW			1979		Z			Z	USGS	D
	LONG RN AT MOUNT HOPE, PA	405934	0782422	042	033	SW			1979		Z			Z	USGS	D
	ROARING RN AT MINERAL SPRINGS, PA	405948	0782140	042	033	SW			1979		Z			Z	USGS	D

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	ONEMILE RN NR PHILIPSBURG, PA	405449	0781202	042	027	SW			1979		Z			Z	USGS	D
	HAWK RN NR HAWK RUN, PA	405518	0781133	042	027	SW			1979		Z			Z	USGS	D
	UNNAMED TRIB TO MOSHANNON C AT MUNSON, PA	405714	0781025	042	033	SW			1979		Z			Z	USGS	D
	BLACK BEAR RN NR WINBURNE, PA	405640	0780810	042	027	SW			1979		Z			Z	USGS	D
	SULPHUR RN NR WINBURNE, PA	405739	0780833	042	033	SW			1979		Z			Z	USGS	D
	MOSHANNON C NR MOSHANNON, PA	410210	0780336	042	033	SW			1979		Z			Z	USGS	D
	BLK MOSHANNON C AT MOSHANNON, PA	410208	0780322	042	027	SW			1979		Z			Z	USGS	D
	MOSQUITO C NR KARTHAUS, PA	410745	0780759	042	033	SW			1979		Z			Z	USGS	D
	STERLING RN NR PINE GLEN, PA	410659	0780251	042	027	SW			1979		Z			Z	USGS	D
	MEDIX RN NR MEDIX RUN, PA	411629	0782406	042	023	SW			1979		Z			9	USGS	D
	DRURY RN AT DRURY RUN, PA	411945	0774647	042	035	SW			1979		Z			Z	USGS	D
	PADDY RN NR RENOVO, PA	411950	0774342	042	035	SW			1979		Z			Z	USGS	D
	SANDY RN NR SNOW SHOE, PA	410424	0775212	042	027	SW			1979		Z			Z	USGS	D
	WOLF RN NR SNOW SHOE, PA	410522	0775207	042	027	SW			1979		Z			Z	USGS	D
	N FK BEECH C AT CLARENCE, PA	410302	0775625	042	027	SW			1979		Z			Z	USGS	D
	L PINE C NR ENGLISH CENTER, PA	412608	0771725	042	081	SW			1979		Z			Z	USGS	D
	ENGLISH RN AT ENGLISH CENTER, PA	412608	0771725	042	081	SW			1979		Z			Z	USGS	D
	OTTER RN AT CARSONTOWN, PA	412425	0782005	042	081	SW			1979		Z			Z	USGS	D
	LARRYS C NR SALLADASBURG, PA	411915	0771129	042	081	SW			1979		Z			Z	USGS	D
	RED RN AT RALSTON, PA	413033	0765713	042	081	SW			1979		Z			Z	USGS	D
	MINERS RN NR RALSTON, PA	413058	0765502	042	081	SW			1979		Z			Z	USGS	D
	FROZEN RN NR RALSTON, PA	412912	0765825	042	081	SW			1979		Z			Z	USGS	D
	LOYALSOCK C AT LOPEZ, PA	412731	0761953	042	113	SW			1979		Z			Z	USGS	D
	BIRCH C NR RINGDALE, PA	412722	0762638	042	113	SW			1979		Z			Z	USGS	D
	GLENWHITE RN NR ALTOONA, PA	402947	0782910	042	013	SW			1979		Z			Z	USGS	D
	KITTANING C NR ALTOONA, PA	402954	0782904	042	013	SW			1979		Z			Z	USGS	D
	SUGAR RN NR ALTOONA, PA	402804	0782623	042	013	SW			1979		Z			Z	USGS	D
	BLAIRS GAP RN NR FOOT OF TEN, PA	402509	0782843	042	013	SW			1979		Z			Z	USGS	D
	BELLS GAP RN NR BLANDBURG, PA	403827	0782401	042	013	SW			1979		Z			Z	USGS	D
	SHAW RN NR BLANDBURG, PA	403822	0782344	042	013	SW			1979		Z			Z	USGS	D
	LESLE RN NR CARROLLTOWN, PA	403622	0784510	042	021	SW			1979		Z			Z	USGS	D
	W BR SUSQUEHANNA R NR SPANGLER, PA	403742	0784556	042	021	SW			1979		Z			Z	USGS	D
	FOX RN AT SPANGLER, PA	403819	0784604	042	021	SW			1979		Z			Z	USGS	D
	SANDY RN AT HOPEWELL, PA	400741	0781541	042	009	SW			1979		Z			Z	USGS	D

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	SIXMILE RN NR RIDDLESBURG, PA	400943	0781511	042	009	SW			1979		Z			Z	USGS	D
	SHOUP RN NR SAXTON, PA	401320	0781254	042	061	SW			1979		Z			Z	USGS	D
	GREAT TROUGH C NR CASSVILLE, PA	401647	0780252	042	061	SW			1979		Z			Z	USGS	D
	WILLS C AT GLENCOE, PA	394912	0785041	042	009	SW			1979		Z			Z	USGS	D
	WILLS C NR HYNDMAN, PA	395004	0784454	042	009	SW			1979		Z			Z	USGS	D
	GLADDENS RN NR HYNDMAN, PA	394442	0784515	042	009	SW			1979		Z			Z	USGS	D
	LITTLE FISHING CREEK NEAR WHITE			037	001	SW			1971	1971	A	A		A	USGS	D
				037	001	SW			1969	1969	A	A		A	USGS	D
	WILSON CREEK NEAR GRAGG N C		0814828	037	011	SW	.74		1973		Z				USGS	D
	SCAFFOLD LICK RN NR NORWICH, PA	414206	0781631	042	083	SW			1979		Z			Z	USGS	D
	SKINNER C AT PORT ALLEGANY, PA	414810	0781708	042	083	SW			1979		Z			Z	USGS	D
	HAVENS RN AT NORWICH, PA	413912	0782143	042	083	SW			1979		Z			Z	USGS	D
	W BR POTATO C AT BETULA, PA	414016	0782400	042	083	SW			1979		Z			Z	USGS	D
	MILL BK AT COLEGROVE, PA	414239	0782343	042	083	SW			1979		Z			Z	USGS	D
	ROBBINS BK AT CROSBY, PA	414410	0782334	042	083	SW			1979		Z			Z	USGS	D
	MARVIN RN AT SMETHPORT, PA	414825	0782708	042	083	SW			1979		Z			Z	USGS	D
	E BR TUNGUNWANT C AT LEWIS RUN, PA	415222	0783922	042	083	SW			1979		Z			Z	USGS	D
	MINARD RN AT CUSTER CITY, PA	415440	0783833	042	083	SW			1979		Z			Z	USGS	D
	BENNETT BK AT BEADFORD, PA	415746	0784002	042	083	SW			1979		Z			Z	USGS	D
	SUGAR RN NR SUGAR RUN, PA	415224	0784951	042	083	SW			1979		Z			Z	USGS	D
	CHAPPEL FK NR MORRISON, PA	414900	0785131	042	083	SW			1979		Z			Z	USGS	D
	ELKHORN RN AT BUCHERS MILL, PA	414535	0791011	042	123	SW			1979		Z			Z	USGS	D
	FARNSWORTH BR NR CLARENDON, PA	414437	0790821	042	123	SW			1979		Z			Z	USGS	D
	MORRISON RN AT WARREN, PA	414912	0790636	042	123	SW			1979		Z			Z	USGS	D
	PERRY MAGEE RN NR TIDIOUTE, PA	414219	0792115	042	123	SW			1979		Z			Z	USGS	D
	TIDIOUTE C AT TIDIOUTE, PA	414000	0792435	042	123	SW			1979		Z			Z	USGS	D
	BEAVER RN AT ENDEVOR, PA	413512	0792117	042	053	SW			1979		Z			Z	USGS	D
	E HICKORY RN AT QUEEN, PA	413732	0792144	042	123	SW			1979		Z			Z	USGS	D
	L HICKORY RN AT WEST HICKORY, PA	413328	0792456	042	123	SW			1979		Z			Z	USGS	D
	S BR TIONESTA C AT CHERRY RUN, PA	413803	0785950	042	123	SW			1979		Z			Z	USGS	D
	TWOMILE RN AT SHEFFIELD, PA	414215	0790121	042	123	SW			1979		Z			Z	USGS	D
	BLUEJAY C NR LYNCH, PA	413435	0790256	042	053	SW			1979		Z			Z	USGS	D
	UPPER SHERIFF RN NR LYNCH, PA	413704	0790647	042	053	SW			1979		Z			Z	USGS	D
	THE BRANCH AT KELLETSVILLE, PA	413231	0791440	042	053	SW			1979		Z			Z	USGS	D

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	ROSS RN NR CRYSTAL SPRINGS, PA	413053	0791930	042	053	SW			1979		Z			Z	USGS	D
	COON C NR NEWMANSVILLE, PA	412624	0791944	042	053	SW			1979		Z			Z	USGS	D
	L TIONESTA C AT TIONESTA, PA	412755	0792825	042	053	SW			1979		Z			Z	USGS	D
	STEWART RN AT BAUM, PA	412828	0793232	042	121	SW			1979		Z			Z	USGS	D
	HEMLOCK RN AT PRESIDENT, PA	412704	0793325	042	121	SW			1979		Z			Z	USGS	D
	PITHOLE C NR LOVELL CORNERS, PA	413205	0793351	042	121	SW			1979		Z			Z	USGS	D
	THOMPSON C NR HYDETOWN, PA	413942	0794158	042	039	SW			1979		Z			Z	USGS	D
	CALDWELL C AT GRAND VALLEY, PA	414236	0793244	042	123	SW			1979		Z			Z	USGS	D
	W BR CALDWELL C NR GRAND VALLEY, PA	414316	0793449	042	123	SW			1979		Z			Z	USGS	D
	PINE C NR ENTERPRISE, PA	413756	0793649	042	039	SW			1979		Z			Z	USGS	D
	E BR MUDDY C NR KOOCHOGEY CORNERS, PA	414306	0795107	042	039	SW			1979		Z			Z	USGS	D
	GRAVEL RN NR WOODCOCK, PA	414531	0800634	042	039	SW			1979		Z			Z	USGS	D
	VAN HRONE C AT KERRTOWN, PA	413704	0801015	042	039	SW			1979		Z			Z	USGS	D
	WATSON RN AT WATSON RUN, PA	413523	0801312	042	039	SW			1979		Z			Z	USGS	D
	L SUGAR C AT COCHRANTON, PA	413121	0800300	042	039	SW			1979		Z			Z	USGS	D
	MILL C AT UTICA, PA	412558	0795719	042	121	SW			1979		Z			Z	USGS	D
	PRATHER C NR DEMPSEYTOWN, PA	413254	0794739	042	121	SW			1979		Z			Z	USGS	D
	LAKE C AT COOPERSTOWN, PA	412952	0795222	042	121	SW			1979		Z			Z	USGS	D
	LOWER TWO MILE RN AT VENANGO, PA	412236	0794757	042	121	SW			1979		Z			Z	USGS	D
	E SANDY C NR KOSSUTH, PA	411900	0793514	042	031	SW			1979		Z			Z	USGS	D
	PINE RN AT NICKLEVILLE, PA	411700	0793831	042	121	SW			1979		Z			Z	USGS	D
	MCCUTCHEON RN	412107	0800530	042	085	SW			1979		Z			Z	USGS	D
	L SANDY C AT POLK, PA	412214	0795523	042	121	SW			1979		Z			Z	USGS	D
	SCRUBGRASS C AT KENNERDELL, PA	411518	0795027	042	121	SW			1979		Z			Z	USGS	D
	MILL C NR EMLENTON, PA	411330	0794320	042	121	SW			1979		Z			Z	USGS	D
	W BR CLARION R NR WILCOX, PA	413620	0784045	042	047	SW			1979		Z			Z	USGS	D
	MILL C NR STRATTANVILLE, PA	411414	0791711	042	031	SW			1979		Z			Z	USGS	D
	SILVER C AT WILCOX, PA	412957	0784103	042	047	SW			1979		Z			Z	USGS	D
	ELK C AT DAGUSCAHONDA, PA	412504	0783917	042	047	SW			1979		Z			Z	USGS	D
	W BR MILLSTONE C AT MARIENVILLE, PA	412725	0790713	042	053	SW			1979		Z			Z	USGS	D
	RATTLESNAKE C NR LANES MILLS, PA	411341	0784652	042	065	SW			1979		Z			Z	USGS	D
	SPRING C AT DUHRING, PA	413057	0785936	042	053	SW			1979		Z			Z	USGS	D
	TOBY C NR CLARION, PA	411405	0792305	042	031	SW			1979		Z			Z	USGS	D
	DEER C NR SHIPPENVILLE, PA	411404	0792706	042	031	SW			1979		Z			Z	USGS	D

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	PINEY C NR LIMESTONE, PA	410757	0792054	042	031	SW			1979		Z			Z	USGS	D
	BEAVER C BELOW BLAIRS CORNERS, PA	411038	0793337	042	031	SW			1979		Z			Z	USGS	D
	TURKEY RN AT ALUM ROCK, PA	411002	0793718	042	031	SW			1979		Z			Z	USGS	D
	S BR BEAR C AT BRUIN, PA	410317	0794334	042	019	SW			1979		Z			Z	USGS	D
	N BR BEAR C AT PARKER, PA	410508	0794217	042	019	SW			1979		Z			Z	USGS	D
	SUGAR C AT EAST BRADY, PA	405930	0793701	042	005	SW			1979		Z			Z	USGS	D
	WOLF RN AT FALLS CREEK, PA	410832	0784739	042	065	SW			1979		Z			Z	USGS	D
	FIVE MILE RUN AT BROOKVILLE, PA.	410839	0790442	042	065	SW			1979		Z			Z	USGS	D
	WILDCAT RN AT DIAMOND, PA	410104	0792900	042	031	SW			1979		Z			Z	USGS	D
	STUMP C NR BIG CREEK, PA	405907	0785037	042	065	SW			1979		Z			Z	USGS	D
	BIG RUN AT BIG RUN, PA	405811	0785314	042	065	SW			1979		Z			Z	USGS	D
	CANOE C AT CLOE, PA	405611	0785604	042	065	SW			1979		Z			Z	USGS	D
	SCRUBGRASS C AT GOSHENVILLE, PA	405445	0792247	042	005	SW			1979		Z			Z	USGS	D
	N BR S FK PINE C AT ECHO, PA	405101	0791941	042	005	SW			1979		Z			Z	USGS	D
	S BR S FK PINE C NR BRYAN, PA	405030	0791845	042	005	SW			1979		Z			Z	USGS	D
	N FK PINE C AT MOSGROVE, PA	405228	0792804	042	005	SW			1979		Z			Z	USGS	D
	LIMESTONE RN AT TARRTOWN, PA	405127	0793032	042	005	SW			1979		Z			Z	USGS	D
	COWANSHANNOCK C NR SUNNYSIDE, PA	404938	0792937	042	005	SW			1979		Z			Z	USGS	D
	GLADE RN AT CADOGAN, PA	404524	0793425	042	005	SW			1979		Z			Z	USGS	D
	CROOKED C ABOVE MCKEE RN AT CREEKSIDE, PA	404059	0791127	042	063	SW			1979		Z			Z	USGS	D
	S BR PLUM C NR GASTOWN, PA	404325	0791755	042	005	SW			1979		Z			Z	USGS	D
	CHERRY RN NR BRICK CHURCH, PA	404119	0792506	042	005	SW			1979		Z			Z	USGS	D
	WELLS C AT MOSTOLLER, PA	400411	0785645	042	111	SW			1979		Z			Z	USGS	D
	BEAVERDAM C AT STOYSTOWN, PA	400535	0785716	042	111	SW			1979		Z			Z	USGS	D
	QUEMAHONING C AT BOSWELL, PA	400954	0790151	042	111	SW			1979		Z			Z	USGS	D
	DARK SHADE C AT REITZ, PA	400803	0784853	042	111	SW			1979		Z			Z	USGS	D
	L PAINT C AT SCALD LEVEL, PA	401446	0785049	042	021	SW			1979		Z			Z	USGS	D
	S FK BENS C NR FERNDALE, PA	401502	0785820	042	111	SW			1979		Z			Z	USGS	D
	BENS C AT FERNDALE, PA	401658	0785610	042	111	SW			1979		Z			Z	USGS	D
	L CONEMAUGH R AT WILMORE, PA	402302	0784311	042	021	SW			1979		Z			Z	USGS	D
	HOWELLS RN NR EBENSBURG, PA	402646	0784256	042	021	SW			1979		Z			Z	USGS	D
	S FORK AT SOUKSBURG, PA	402055	0784704	042	021	SW			1979		Z			Z	USGS	D
	HINCKSTOWN RN AT MINERSVILLE, PA	402027	0785527	042	021	SW			1979		Z			Z	USGS	D
	HENDRICKS C NR WEST FAIRFIELD, PA	402154	0790820	042	129	SW			1979		Z			Z	USGS	D

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	MCGEE RN AT BRENIZER, PA	402353	0791543	042	129	SW			1979		Z			Z	USGS	D
	DUTCH RN NR BLUE GOOSE, PA	403439	0785115	042	021	SW			1979		Z			Z	USGS	D
	ELK C NR BELSANO, PA	403213	0785151	042	021	SW			1979		Z			Z	USGS	D
	BLACKLICK C AT VINTONDALE, PA	402852	0785506	042	063	SW			1979		Z			Z	USGS	D
	BRUSH C AT CLAGHORN, PA	402948	0790403	042	063	SW			1979		Z			Z	USGS	D
	S BR TWO LICK C NR WANDIN JUNCTION, PA	404029	0785641	042	063	SW			1979		Z			Z	USGS	D
	DIXON RN AT CLYMER, PA	404013	0790054	042	063	SW			1979		Z			Z	USGS	D
	YELLOW C NR PIKES PEAK, PA	403458	0790010	042	063	SW			1979		Z			Z	USGS	D
	L YELLOW C AT SUNCLIFF, PA	403338	0790039	042	063	SW			1979		Z			Z	USGS	D
	AULTMANS RN NR LEWISVILLE, PA	403002	0791739	042	063	SW			1979		Z			Z	USGS	D
	LOYALHANNA C AT RECTOR, PA	401142	0791415	042	129	SW			1979		Z			Z	USGS	D
	MILL C AT LIGONIER, PA	401450	0791448	042	129	SW			1979		Z			Z	USGS	D
	FOURMILE RN AT DARLINGTON, PA	401526	0791711	042	129	SW			1979		Z			Z	USGS	D
	CRABTREE C AT CRABTREE, PA	402143	0792718	042	129	SW			1979		Z			Z	USGS	D
	WHITEHORN C NR SHIELDSBURG, PA	402336	0792852	042	129	SW			1979		Z			Z	USGS	D
	BLACKLEGS C AT CLARKSBURG, PA	403214	0792233	042	063	SW			1979		Z			Z	USGS	D
	LONG RN NR MAYSVILLE, PA	403245	0792721	042	005	SW			1979		Z			Z	USGS	D
	ROARING RN NR ORCHARD HILLS, PA	403405	0793056	042	005	SW			1979		Z			Z	USGS	D
	BEAVER RN AT PAULTON, PA	403426	0793406	042	129	SW			1979		Z			Z	USGS	D
	PINE RN AT WEST VANDERGRIFT, PA	403615	0793518	042	129	SW			1979		Z			Z	USGS	D
	ROUGH RN AT WEST WINFIELD, PA	404742	0794150	042	019	SW			1979		Z			Z	USGS	D
	L BUFFALO C AT SILVERVILLE, PA	404226	0794247	042	019	SW			1979		Z			Z	USGS	D
	L DEER C NR ACMETONIA, PA	403329	0795022	042	003	SW			1979		Z			Z	USGS	D
	PLUM C AT VERONA, PA	403110	0795037	042	129	SW			1979		Z			Z	USGS	D
	PINE C	403532	0800053	042	003	SW			1979		Z			Z	USGS	D
	GIRTYS RN AT BADERSTOWN, PA	402941	0795830	042	003	SW			1979		Z			Z	USGS	D
	BIG SANDY CR AT WHARTON FURNACE CHAPEL, PA (	394744	0793704	042	051	SW			1978		N			N	USGS	D
	BIG SANDY CREEK AT ELLIOTTSVILLE, PA (11)	394610	0793737	042	051	SW	16.40		1978		A			N	USGS	D
	MEADOW RN AT DAVISTOWN, PA	394559	0800115	042	059	SW			1979		Z			Z	USGS	D
	MOUNTAIN RN AT RUBLE MILLS, PA	394701	0794839	042	051	SW			1979		Z			Z	USGS	D
	BROWNS RN AT RONCO, PA	395218	0795428	042	051	SW			1979		Z			Z	USGS	D
	TEN MILE C NR AMITY, PA	400111	0801220	042	125	SW			1979		Z			Z	USGS	D
	DANIELS RN NR MARIANA, PA	400151	0800532	042	125	SW			1979		Z			Z	USGS	D
	N BR PIGEON C AT BENTLYVILLE, PA	400754	0800019	042	125	SW			1979		Z			Z	USGS	D

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	MINGO C AT RIVER VIEW, PA	401231	0795753	042	125	SW			1979		Z			Z	USGS	D
	PINE FK AT SNOWDEN, PA	401639	0795834	042	003	SW			1979		Z			Z	USGS	D
	TUB MILL RN AT WEST SALISBURY, PA	394513	0790545	042	111	SW			1979		Z			Z	USGS	D
	FLAUGHERTY C AT MEYERSDALE, PA	394845	0790141	042	111	SW			1979		Z			Z	USGS	D
	BLUE LICK C NR MEYERSDALE, PA	395010	0790227	042	111	SW			1979		Z			Z	USGS	D
	TUBS RN AT BEACHDALE, PA	395408	0790059	042	111	SW			1979		Z			Z	USGS	D
	E BR COXES C NR SOMERSET, PA	395825	0790554	042	111	SW			1979		Z			Z	USGS	D
	WHITES C AT HORNEDSVILLE, PA	394707	0791913	042	111	SW			1979		Z			Z	USGS	D
	MEADOW RN NR FARMINGTON, PA	395007	0793030	042	051	SW			1979		Z			Z	USGS	D
	MOUNTS C AT MOYER, PA	400250	0793410	042	051	SW			1979		Z			Z	USGS	D
	INDIAN C AT WHITE BRIDGE, PA	395940	0792559	042	051	SW			1979		Z			Z	USGS	D
	JACOBS C NR DAWSON, PA	400549	0793937	042	051	SW			1979		Z			Z	USGS	D
	BARREN RN NR SMITHTON, PA	400818	0794217	042	129	SW			1979		Z			Z	USGS	D
	SEWICKLEY C NR YOUNGWOOD, PA	401341	0793352	042	129	SW			1979		Z			Z	USGS	D
	L SEWICKLEY C AT COWANSBURG, PA	401522	0794515	042	003	SW			1979		Z			Z	USGS	D
	LONG RN AT VERSAILLES, PA	401925	0795020	042	003	SW			1979		Z			Z	USGS	D
	THOMPSON RN AT TURTLE CREEK	404941	0792419	042	003	SW			1979		Z			Z	USGS	D
	BRUSH C AT WESTMORELAND CITY, PA	402002	0794018	042	129	SW			1979		Z			Z	USGS	D
	CHARTIERS C AT HOUSTON, PA	401426	0801231	042	125	SW			1979		Z			Z	USGS	D
	CHARTIERS RN AT HOUSTON, PA	401454	0801239	042	125	SW			1979		Z			Z	USGS	D
	ROBINSON RN AT EWINGSVILLE, PA	402338	0800640	042	003	SW			1979		Z			Z	USGS	D
	LOWRIES RN AT EMSWORTH, PA	403046	0800530	042	003	SW			1979		Z			Z	USGS	D
	MONTOUR C AT CORAOPOLIS, PA	403018	0800842	042	003	SW			1979		Z			Z	USGS	D
	CROWS RN NR FREEDOM, PA	404052	0801320	042	007	SW			1979		Z			Z	USGS	D
	BIG RN NR REYNOLDS HEIGHTS, PA	412152	0802430	042	085	SW			1979		Z			Z	USGS	D
	HOGBACK RN AT WEST MIDDLESEX, PA	411055	0802720	042	085	SW			1979		Z			Z	USGS	D
	OTTER C AT MERCER, PA	411334	0801328	042	085	SW			1979		Z			Z	USGS	D
	YELLOW C NR JACKSON CENTER	411500	0801021	042	085	SW			1979		Z			Z	USGS	D
	HOTTENBAUGH RN AT EASTBROOK, PA	410221	0801742	042	073	SW			1979		Z			Z	USGS	D
	BONNIE BK AT EAST BUTLER, PA	405234	0795102	042	019	SW			1979		Z			Z	USGS	D
	THORN C AT RENFREW, PA	404818	0795714	042	019	SW			1979		Z			Z	USGS	D
	GLADE RN NR GLADE MILLS, PA	404422	0795834	042	019	SW			1979		Z			Z	USGS	D
	BREAKNECK C AT EIDENAU, PA	404738	0800539	042	019	SW			1979		Z			Z	USGS	D
	L CONNOQUENESSING C NR HARMONY, PA	404926	0800552	042	019	SW			1979		Z			Z	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
	L YELLOW C NR MIDDLE LANCASTER, PA	405120	0800603	042	019	SW			1979		Z			Z	USGS	D
	CAMP RN AT FOMBELL, PA	404832	0801205	042	007	SW			1979		Z			Z	USGS	D
	N BR SLIPPERY ROCK C AT ALWELLS, CROSSING, P	410600	0795559	042	019	SW			1979		Z			Z	USGS	D
	MCMURRAY RN NR BRANCHTON, PA	410511	0795803	042	019	SW			1979		Z			Z	USGS	D
	S BR SLIPPERY ROCK C NR BRANCHTON, PA	410343	0795752	042	019	SW			1979		Z			Z	USGS	D
	E BR WOLF C NR GROVE CITY, PA	411233	0800218	042	085	SW			1979		Z			Z	USGS	D
	JAMISON RN AT ELLIOT MILLS, PA	410206	0800829	042	073	SW			1979		Z			Z	USGS	D
	RACCOON C AT RACCOON, PA	402301	0802205	042	125	SW			1979		Z			Z	USGS	D
	BRADY RN AT PATTERSON HEIGHTS, PA	404357	0802011	042	007	SW			1979		Z			Z	USGS	D
	TRAVERSE C BELOW RACCOON C STATE PARK DAM, P	403026	0802242	042	007	SW			1979		Z			Z	USGS	D
	HONEY C NR ENON VALLEY, PA	405250	0802802	042	073	SW			1979		Z			Z	USGS	D
	KINGS C NR FLORENCE, PA	402526	0802922	042	125	SW			1979		Z			Z	USGS	D
	N FORK AT HUGHES LAKE, PA	402924	0803038	042	007	SW			1979		Z			Z	USGS	D
				055	001	SW			1967	1967	A			A	USGS	D
	CANASERAGA CREEK NEAR DANSVILLE NY	423340	0774255	036	051	SW	153.00		1954	1976	N	R		K	USGS	D
				027	001	SW			1966	1966	A			A	USGS	D
	YELLOW RIVER AT DANBURY, WI	460044	0922125	055	013	SW			1975		A	A		A	USGS	D
				019	001	SW			1966	1966	A			A	USGS	D
	STEINER BRANCH NEAR WALDWICK, WI	424633	0895954	055	065	SW	5.90		1976		A			A	USGS	D
	MIDDLE FORK BIG MUDDY RIVER NEAR BENTON, IL	375658	0885400	017	055	SW	152.00		1978		A	A			USGS	D
	BEAVER CREEK AT INTERNATIONAL BOUNDARY	490003	1050209	087		SW			1977		A	A		A	USGS	D
	ST. FRANCIS RIVER AT ST. FRANCIS, ARK.	362721	0900813	005	021	SW	1772.00		1979		N	N		N	USGS	D
	VARNEY RIVER NR SENATH, MO	360820	0901354	029	069	SW			1977		S	S		S	USGS	D
	CANADIAN RIVER AT CALVIN, OK	345832	0961424	040	063	SW			1977		Q	Q			USGS	D
				048	001	SW			1968	1969	R	A		R	USGS	D
				048	001	SW			1966	1966	R	R		R	USGS	D
	LAVERKIN C AT HWY 15 BRIDGE, NR			049	001	SW			1966	1966	A	A		A	USGS	D
	PLEASANTON STR DR AT ROSS ST AT		1161330	016	001	SW			1973	1973	S			S	USGS	D
	89 PL 1.27	390127	1200004	006	017	SW			1972	1974	K	K		K	USGS	D
	89 PL 1.42	390142	1200003	006	017	SW			1972	1974	R	R		R	USGS	D
	89 ED 2.11	390211	1200015	006	017	SW			1972	1974	N	K		N	USGS	D
	89 ED 2.21	390221	1200000	006	001	OC			1971	1972	N	A		N	USGS	D
	28 PL 3.38	390338	1200002	006	017	SW			1972	1974	N	N		N	USGS	D
	89 ED 24.65	390405	1200006	006	001	OC			1973	1973	R	R		R	USGS	D

HYDROLOGIC UNIT CODE	STATION NAME AND LOCATION	LATITUDE	LONGITUDE	STATE	COUNTY	TYPE OF SITE	DRAINAGE AREA	BASIN DESCRIPTOR	OW BEGIN YEAR	OW END YEAR	SUSP SED CONCEN	SUSP PART SIZE	BED MAT PART SIZE	SUSP DISCHARGE	ORGANIZATION CODE	SED STOR MEDIA
	89 ED 4.37	390437	1200011	006	017	SW			1972	1974	N	N		N	USGS	D
	89 ED 4.45	390445	1200010	006	017	SW			1972	1974	N	K		N	USGS	D
	89 ED 24.49	390449	1200007	006	017	SW			1973	1974	R	R		R	USGS	D
	89 ED 24.65	390459	1200006	006	017	SW			1973	1974	A	A		A	USGS	D
	89 ED 25.44	390544	1200005	006	017	SW			1973	1974	A	A		A	USGS	D
	89 ED 16.61	390601	1200009	006	017	SW			1972	1974	N	N		N	USGS	D
	89 ED 16.87	390607	1200008	006	017	SW			1972	1974	H	R		H	USGS	D
	SKAGIT R AT INT BDY NR HOPE BC	480001	1210415	087		SW			1977		M	M	M		USGS	P
	WALKERS BOTTOM CREEK NR HOLLY SPRINGS, MS.	344407	0892728	028	093	SW			1957	1975	3			2	USSCS	D
	LITTLE SAND DITCH NR HOLLY SPRINGS, MS.	344527	0892843	028	093	SW			1957	1975	2			2	USSCS	D
	CHEWS CREEK NR WATERFORD, MS.	344214	0892750	028	093	SW			1957	1975	3			2	USSCS	D
	CHEWS CREEK NR HOLLY SPRINGS, MS.	344235	0892941	028	093	SW			1957	1975	2			2	USSCS	D
	WILKINS CREEK NR HOLLY SPRINGS, MS.	344154	0893042	028	093	SW			1957	1975	2			2	USSCS	D
	PIGEON ROOST CREEK NR HOLLY SPRINGS, MS.	344417	0893218	028	093	SW			1957	1975	2			2	USSCS	D
	PIGEON ROOST CREEK NR MARIANNA, MS. (RELIEF	344510	0893454	028	093	SW			1957	1975	2			2	USSCS	D
	PIGEON ROOST CREEK NR MARIANNA, MS. (MAIN CH	344510	0893454	028	093	SW			1957	1975	2			2	USSCS	D
	PIGEON ROOST CREEK NR MARIANNA, MS. (COMB FL	344510	0893454	028	093	SW			1957	1975				2	USSCS	D
	SLAYTON CREEK NR HOLLY SPRINGS, MS.	344516	0893454	028	093	SW			1957	1975	3			2	USSCS	D
	CUFFAWA CREEK AT CHULAHOMA, MS. (RELIEF OP)	343908	0893810	028	093	SW			1957	1975	2			2	USSCS	D
	CUFFAWA CREEK AT CHULAHOMA, MS. (MAIN CHAN)	343908	0893810	028	093	SW			1957	1975	3			2	USSCS	D
	CUFFAWA CREEK AT CHULAHOMA, MS. (COMB FLOW)	343908	0893810	028	093	SW			1957	1975				2	USSCS	D
	DRY FORK CREEK NR CHULAHOMA, MS.	344139	0893610	028	093	SW			1957	1975	2			2	USSCS	D
	CUFFAWA CREEK NR WALLHILL, MS.	344255	0893731	028	093	SW			1957	1975	2			2	USSCS	D
	PIGEON ROOST CREEK NR BYHALIA, MS.	344535	0894110	028	093	SW			1957	1975	2			2	USSCS	D
	KENTUCKY RESERVOIR			047		SW			1966			A			USTVA	D
		355327	0843125	047	145	SW			1979			A			USTVA	D
		355327	0843125	047	145	SW			1979			A			USTVA	D
		355320	0842925	047	145	SW			1979			A			USTVA	D
		355336	0842812	047	145	SW			1979			A			USTVA	D
		355930	0841026	047	001	SW			1979			A			USTVA	D
		360050	0840945	047	001	SW			1979			A			USTVA	D
		360243	0841202	047	001	SW			1979			A			USTVA	D