

INVENTORY OF INTERBASIN TRANSFERS OF WATER
IN THE EASTERN UNITED STATES

By Will S. Mooty and Hillary H. Jeffcoat

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ABSTRACT

This report presents information on the quantity of water transferred from one river basin to another in the Eastern United States. Data for 145 water conveyances of this type were reported. There are 10 major water-resources regions and 95 subregions in the study area. Water is exported from about 51 of these subregions. Only seven conveyances account for 93 percent of the exports of water between subregions. About 28 percent of the water exported between subregions leaves the region of origin. The total amount of water exported by the 145 conveyances averaged more than 5.7 million acre-feet per year between 1973 and 1982. These conveyances originated in 21 States in the Eastern United States. The data were provided by U.S. Geological Survey, Water Resources Division, District offices.

INTRODUCTION

Water is not always available in the quantity necessary to support the continuing expansion of human activities at all of the locations used or considered for human habitat. For a variety of reasons it generally has been judged to be more advantageous to transport additional water from surrounding areas to the water-using activity, rather than move the activity to where the necessary quantity of water is located. The desire for water goes beyond sustainment of life. Water is also desired for enhancement of the quality of life. To fulfill those desires, many ways have been devised to convey water, some simple, some quite complex. This preliminary inventory of interbasin water transfers was undertaken to obtain information about the quantity of water conveyed between major river basins in the Eastern United States. A similar inventory has been completed for the Western States (Petsch, 1985). This information is needed by water system managers and planners to develop water budgets for major river basins, to examine the extent of existing interbasin transfers, and to define the importance of interbasin transfers in meeting regional water demands. Eastern states included in this report are Alabama, Arkansas, Connecticut, Florida, Georgia, Illinois, Indiana, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, North Carolina, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, South Carolina, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin, and parts of Iowa, Missouri, South Dakota, and Texas.

For purposes of describing river basins, the United States has been divided into 21 water-resources regions and 222 subregions by the U.S. Water Resources Council (Seaber and others, 1984). Eighteen regions and 204 subregions occupy the conterminous United States. Subregions are subdivided further into accounting units and cataloging units. These four levels of subdivision are called "hydrologic units." An eight-digit code uniquely identifies each of the four levels of hydrologic units. The first two digits refer to water-resources regions and the second two digits refer to subregions. The third two digits refer to accounting units and the last two refer to cataloging units. Seaber and others (1984) provide a brief description, history, and application of the hydrologic-unit system. Because of innumerable diversions from the Nation's streams, lakes, and aquifers, the water resources subregions were chosen as the base units for definition of water transfer to provide a manageable number of diversions for the interbasin transfers inventory.

The western boundary of the study area (Eastern United States) was arbitrarily selected on the basis of hydrologic-unit boundaries and the location of U.S. Geological Survey, Water Resources Division, District offices. Parts of the States of Arkansas, Illinois, Louisiana, and Minnesota are thereby excluded from the study area and parts of the States of Iowa, Missouri, South Dakota, and Texas are included in the study area. Within the study area are parts of 10 major water-resources regions and 95 subregions. Figure 1 shows the water-resources region and subregion boundaries and the study area boundary.

U.S. Geological Survey Water Resources Division District offices in 18 States of the Eastern United States provided the information for the 145 water conveyances listed in this report. Each District office was requested to fill out an information form (fig. 2) for every qualifying conveyance located within designated water resources subregions. To qualify, the conveyance had to be exporting water on September 30, 1982. Imports of water were to be reported only when they originated in either another country or in subregions adjacent to the study area. No such imports were reported.

Among the data elements requested on the information form were conveyance name, conveyance owner, and year the conveyance was placed in operation; location information on the water body; and name, State, county, hydrologic unit code of both the conveyance point of origin and the conveyance initial delivery point. The point of origin is defined as the point along a conveyance at which all or most of the water to be transferred is intercepted. The initial delivery point is defined as that point within the receiving subregion where the exported water is either released to a natural channel, enters a reservoir from which the distribution of that water begins, or reaches a point along a canal or pipeline where the distribution of that water begins. Other data elements requested were the annual diversion, in acre-feet, for water years 1973-82; location of flow-measuring point, to be given as either a stream-gaging station number, a well number, or the latitude and longitude of the measuring point; sources for the data; remarks concerning the accuracy of estimated diversions; and other remarks for the purpose of providing additional pertinent information about a conveyance. Even though the water-resources subregion, selected as the base unit for this report, can be expressed with the first four digits of the hydrologic-unit code, the complete eight-digit hydrologic-unit code was requested as a consideration for future needs.

The information in this report was obtained from reports and files of the U.S. Geological Survey; State, county and city agencies; and public and private utility companies. Information was not available for all data elements for many conveyances. Only those data elements with the most complete information are presented in this report and those elements are: conveyance name, owner, and year placed in operation; the State, county, and hydrologic unit code of the initial delivery point and point of origin of the conveyance; and the annual diversion for water years 1973-82. Many U.S. Geological Survey District offices only reported values for the years 1975 and 1980 because these were the years that National water-use surveys were made. No effort was made to estimate data for the remaining years; therefore, the total conveyances for each year should not be used as an indication that transfers increased or decreased. Although no lower limits were placed on transfers to be included in this inventory, undoubtedly many small transfers exist that are not listed in the tables. It should be noted that the conveyance totals given in this report may be less than the actual amount.

ORGANIZATION OF INVENTORY DATA

The conveyance information in this report is presented in tables 1 through 4 in the back of this report.

Table 1--Lists a conveyance reference number, the State in which the conveyance originates, the conveyance name, and the conveyance owner.

Reference number--An assigned number used to identify each conveyance in tables 2 through 4.

State of origin--The State name at the conveyance point of origin.

Name--Common names of each conveyance are listed in table 1. Other names for some conveyances may also be in use. In some cases, no name could be found in common use and a name was assigned. For example, conveyance 004 is unnamed.

Owner--The entity that owns the conveyance. The listed entity for some conveyances may be the entity currently responsible for the operation of the conveyance.

Table 2--For each conveyance, table 2 lists the State, county, and hydrologic-unit codes for the point of origin and the initial delivery point, and the year the conveyance was placed in operation (see table 5 for definition of the State and county codes and table 6 for definition of the hydrologic-unit codes).

Table 3--The annual exports of water, in acre-feet, for each conveyance, subtotals of annual exports for one water-resources subregion to another, total annual exports from each subregion, and a grand total of annual exports from all subregions, for water years 1973-82, are listed in table 3. For example, in 1982, 1,471,900 acre-feet of water was exported from the Upper Hudson subregion (0202, table 6) to the Lower Hudson-Long

Island subregion (0203, table 6). Total exports of water from the Upper Hudson subregion to all other subregions in 1982 was 1,529,810 acre-feet and the grand total of annual exports from all subregions was 5,856,455 acre-feet. The subregional exports of water for the Eastern United States for water year 1982 are graphically portrayed on figure 3.

Table 4--The annual exports of water, in acre-feet, for each conveyance, subtotals of annual exports from one water-resources region to another, total annual exports from each region, and grand total of annual exports from all regions, for water years 1973-82, are listed in table 4. For example, in 1982, 22,460 acre-feet of water was exported from the Mid-Atlantic region (02) to the South Atlantic-Gulf region (03). Total exports of water from the Mid-Atlantic region to all other regions was 951,458 acre-feet and the grand total of annual exports from all regions was 3,302,016 acre-feet. Some conveyances listed in table 3 are not listed in table 4 because they export water from one subregion to another subregion within the same region. For example, conveyance number 002 exports water from the Connecticut subregion (0108, table 6) to the Connecticut Coastal subregion (0110, table 6) and is listed in table 3 but not table 4 because both subregions are in the New England region (01).

DATA ANALYSIS

Of the 95 subregions examined in this study, water is exported from only 51 subregions using 145 conveyances. These conveyances originate in 21 States and range from the conveyance of the Mt. Vernon Municipal Water Works (103) which exports less than 1 acre-foot per year, to the Chicago Sanitary and Ship Canal (071) which exports more than 2 million acre-feet per year. Only seven of the conveyances account for 93 percent of the exports between subregions. About 28 percent of the water exported between subregions leaves the region or origin. The total amount of water exported by the 145 conveyances averaged a little over 5.7 million acre-feet per year between 1973 and 1982. This is equivalent to the average annual discharge of the Tennessee River near Paducah, Kentucky; Black Warrior River at Bankhead Lock and Dam near Bessemer, Alabama; Susquehanna River near Waverly, New York; or Chippewa River at Durand, Wisconsin.

In 1973, 92 percent of the 145 existing conveyances were in operation. Eleven new conveyances have been constructed in the past decade, an increase of 8 percent. The oldest of the 145 conveyances is Portage Canal, Portage, Wisconsin, which was built in 1856. One hundred and four conveyances export to other subregions located within the same water-resources region. Forty-one conveyances export water from one water-resources region to another. The water-resources region that exports the most water is the Great Lakes region (04) with annual exports of over 2 million acre-feet per year. The largest amount of water exported between subregions in the same water-resources region is within the Mid-Atlantic region (02); intraregional exports in this region amount to about 2.37 million acre-feet per year. No exports originated in Delaware, Florida, Maine, Mississippi, New Hampshire, South Carolina, Vermont, or West Virginia; or in the included parts of Iowa, Missouri, South Dakota or Texas during water years 1973-82.

REFERENCES CITED

- Petsch, H. E., Jr. (in press), Inventory of interbasin transfers of water in the Western Conterminous United States: U.S. Geological Survey Open-File Report 85-166.
- Seaber, P. R., Kapinos, F. P., and Knapp, G. L., 1984, State hydrologic unit maps: U.S. Geological Survey Open-File Report 84-708, 216 p.
- U.S. Geological Survey, 1982, Codes for the identification of hydrologic units in the United States and the Caribbean outlying areas, A U.S. Geological Survey data standard: U.S. Geological Survey Circular 878-A, 118 p.
- U.S. National Bureau of Standards, 1970, States and outlying areas of the United States: Federal Information Processing Standards (FIPS) Publication 5-1, 4 p.
- _____, 1982, Counties and county equivalents to the states of the United States and the District of Columbia: Federal Information Processing Standards (FIPS) Publication 6-3, 39 p.

SUMMARY

Information and data were obtained for 145 conveyances that export water between water-resources subregions. These conveyances originated in 21 States in the Eastern United States. The oldest conveyance, the Portage Canal, Portage, Wisc., was built in 1856. Only seven conveyances account for 93 percent of the exports between subregions. About 28 percent of the water exported between subregions leaves the region of origin. One hundred and four conveyances export to other subregions within the same water-resources region. Forty-one conveyances export water from one water-resources region to another. The total amount of water exported by the 145 conveyances averaged more than 5.7 million acre-feet per year between 1973 and 1982. The Great Lakes region (04) exports the most water of any water-resources region at over 2 million acre-feet per year. The largest amount of water exported between subregions within the same water-resources region is within the Mid-Atlantic region (02) with over 2.37 million acre-feet of water per year being exported.

This information provides the basis for computing basin imports and exports for use in regional water budgets, for examining the extent of existing interbasin transfers, and for defining the importance of transferring water to meet regional water demands. No exports originated in Delaware, Florida, Maine, Mississippi, New Hampshire, South Carolina, Vermont, West Virginia; or in the included parts of Iowa, Missouri, South Dakota, or Texas during water years 1973-82.

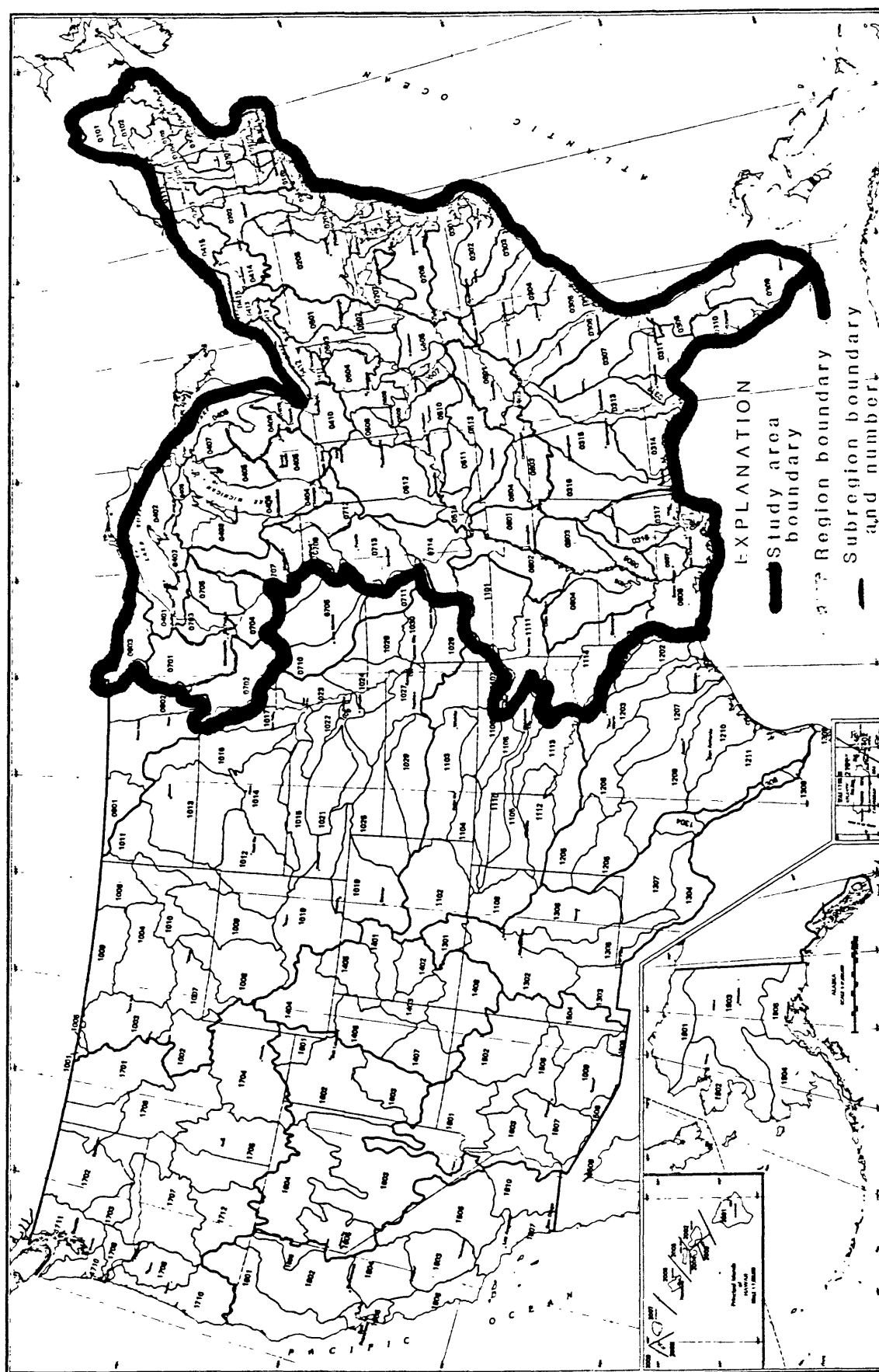


Figure 1-Water resources regions and subregions and the boundary of the report study area.

CONVEYANCE INFORMATION FORM
FOR INTERBASIN TRANSFER OF WATER BETWEEN WATER RESOURCES SUBREGIONS

NAME OF CONVEYANCE _____

OWNER (OR OWNERS) OF CONVEYANCE _____

YEAR PLACED IN OPERATION _____

LOCATION INFORMATION
POINT OF ORIGIN INITIAL DELIVERY POINT

WATER BODY NAME _____

STATE CODE _____

COUNTY CODE _____

8-DIGIT HYDROLOGIC
UNIT CODE _____

ANNUAL DIVERSION IN ACRE-FEET FOR WATER YEAR

1973 _____ 1974 _____ 1975 _____

1976 _____ 1977 _____ 1978 _____

1979 _____ 1980 _____ 1981 _____

1982 _____

LOCATION OF MEASUREMENT POINT(S) (GAGE NUMBERS, WELL NUMBERS, OR LAT.
AND LONG. OF GAGES OR WELLS) _____

DATA SOURCES _____

REMARKS ON ACCURACY _____

OTHER REMARKS _____

Figure 2.--Conveyance information form for interbasin transfer of water
between water-resources subregions.

EXPORTS OF WATER (1982), IN MILLIONS OF ACRE-FEET

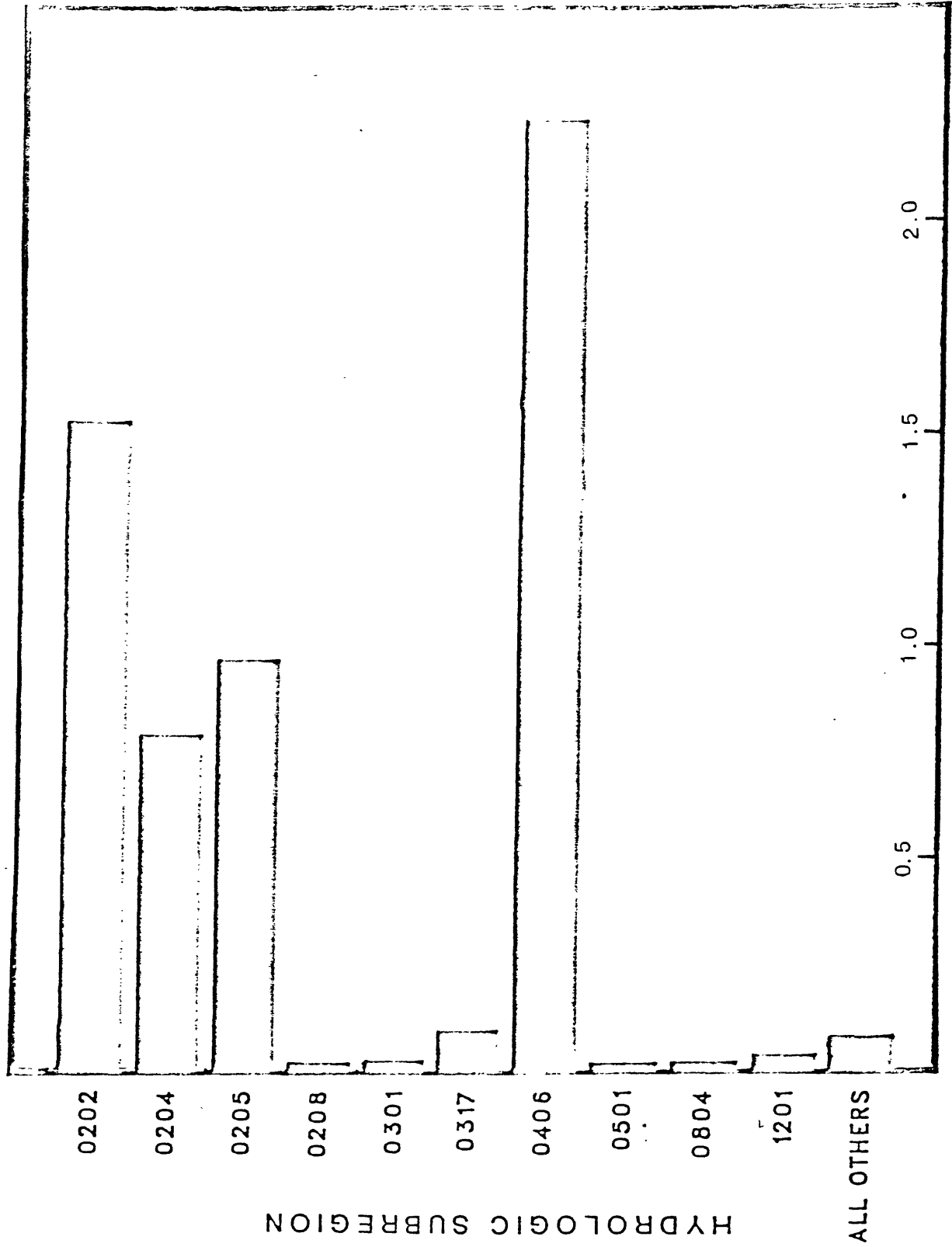


Figure 3.--Subregional exports of water in the Eastern United States.

Table 1.--Conveyance reference number, State of origin, name, and owner

Reference number 1/	State of origin	Name	Owner
001	Connecticut	Hallmere Pipeline	Meriden Water Department 117 Parker Ave.
002	Massachusetts	Wachusett-Marlboro Tunnel to Press Aqueduct to Hultman and Weston Aqueducts	Commonwealth of Massachusetts
003	Connecticut	Terryville Pipeline	Terryville Division
004	Connecticut	Distribution pipeline	Meriden Water Department 117 Parker Ave.
005	Connecticut	New London Pipeline	New London Water Dept. 181 Captains Walk
006	Massachusetts	Quabbin Aqueduct	Commonwealth of Massachusetts
007	Rhode Island	Westerly Pipeline	Westerly Water Dept.
008	Connecticut	Gulldford Pipeline	Gulldford S+S 93 West Main St. Clinton, CT
009	Connecticut	Plainville Pipeline	Plainville Water Co. PO Box 248 Plainville, CT
010	Connecticut	Sewer lines	Town of Plymouth
011	Connecticut	Sewer lines	Metropolitan Dist. Commission Hartford, CT
012	Connecticut	Sewer lines	Town of Plainville
013	Connecticut	Sewer lines	City of Bristol
014	Connecticut	New Britain Pipeline, Waseel Reservoir	New Britain Water Co
015	Connecticut	New Britain Pipeline, treatment facility	New Britain Water Co
016	New York	Catskill Aqueduct	New York City, Dept. of Environ. Protection
017	New York	Delaware Aqueduct	Bureau of Water Resources Devel. City of N.Y.
018	New Jersey	Newton Water and Sewer Authority	Newton Water and Sewer Authority
019	New York	Summit level of Erie (barge) Canal	New York State
020	New York	Champlain Canal	New York State Dept. of Transportation
021	New York	Glens Falls Feeder	New York State Dept of Transportation
022	Connecticut	Distribution lines	Ridgefield Water Supply Co.
023	Connecticut	Sewer lines	Town of Ridgefield c/o Town Hall
024	New York	Neversink Grahamsville Tunnel	New York City
025	New York	West Delaware Tunnel	New York City
026	New York	East Delaware Tunnel	New York City
027	Pennsylvania	Bear Creek Pipeline	Bear Creek Gas and Water Company
028	Pennsylvania	Octoraro Pipeline	Chester Water Authority
029	Pennsylvania	W.B.Octoraro Pipeline	Octoraro Water Company
030	New York	Diverslon Canal	New York State Electric and Gas Corp.
031	New York	Troughnoga Pipeline	Solvay Process Company
032	Maryland	Susquehanna Transmission Main	Baltimore City
033	Maryland	Sanitary System	City of Westminster
034	Maryland	Sanitary System	Washington Sanitary Suburban Commission

Table 1.--Conveyance reference number, State of origin, name, and owner--Continued

Reference number 1/	State of origin	Name	Owner
035	Maryland	Sanitary System	Washington Sanitary Suburban Commission
036	Virginia	Heritage Estates	Heritage Estates
037	Virginia	Conococheague, groundwater	Town of Louisa
038	Virginia	Conococheague, groundwater	Town of Louisa
039	Virginia	Well	King George County Courthouse
040	Virginia	Rappahannock	Stafford Co. Abel Lake WTP
041	Virginia	Well	Town of Monterey
042	Virginia	Spring	Town of Monterey
043	Virginia	Rappahannock	Fredericksburg City
044	Virginia	Upper James	Roanoke City Carvin Cove
045	Virginia	Appomattox	Appomattox River Water Authority
046	Virginia	Appomattox	Appomattox River Water Authority
047	Virginia	Albemarle	Chesapeake Northwest River FP
048	Virginia	City well	City of Chesapeake
049	Virginia	Blackwater River Pump Station	Blackwater River Pump Station
050	Virginia	Nottoway Pump Station	Nottoway River Pump Station
051	North Carolina	Durham-Neuse to Cape Fear Basin	City of Durham
052	North Carolina	High Point to Yadkin-Pee Dee Basin	City of High Point
053	North Carolina	Southern Pines to Lumber Basin	City of Southern Pines
054	North Carolina	Pinehurst to Lumber Basin	City of Pinehurst
055	North Carolina	Asheboro to Cape Fear Basin	Town of Asheboro
056	North Carolina	Star Treatment Plant	Montgomery Co. Water System
057	North Carolina	Yadkin-Pee Dee Basin to Cape Fear Basin	Town of Candor
058	North Carolina	Yadkin-Pee Dee Basin to Catawba-Broad Basin	Alexander Co. Water Corp.
059	Georgia	Dekalb Co. Water System	Dekalb Co.
060	Georgia	Gwinnett Co. Water System	Gwinnett Co.
061	Georgia	City of Atlanta Water System	City of Atlanta
062	Georgia	Coosa	Cobb Co. Water System
063	Alabama	Opelika Water System	Opelika Water Works
064	Alabama	Cahaba River Raw Water Line	Birmingham Water Works
065	Alabama	Bay Minette Water System	Bay Minette Water Works
066	Alabama	Big Creek Pipelines	Mobile Water Works
067	Michigan	Municipal Water and Wastewater Systems	City of Ishpeming, Michigan
068	Indiana	Distribution lines	Peoples Water Co. Highland, IN

Table 1.--Conveyance reference number, State of origin, name, and owner--Continued

Reference number 1/	State of origin	Name	Owner
069	Indiana	Highland Municipal Water Utility	City of Highland
070	Indiana	Munster Water Dept.	City of Munster
071	Illinois	Chicago Sanitary and Ship Canal	Metropolitan Sanitary District
072	New York	Summit Level of Erie (Barge) Canal	New York State
073	New York	Black River Canal (Flowing South)	New York State Dept. of Transportation
074	Pennsylvania	Allegheny Pipeline	Wilkesburg Joint Water Authority
075	Pennsylvania	Allegheny Pipeline	Allegheny County Sanitation Authority
076	Ohio	Le-Ax Rural Water System	Le-Ax Water Distribution Co., Albany, Ohio
077	Ohio	Rural water system at Morristown, Ohio	Belmont Co. Sanitary District #3
078	Ohio	Germano Water and Sewer Dist	Germano Water and Sewer Dist
079	Ohio	City of Marietta Ohio PWS	City of Marietta Ohio
080	Ohio	Warren Community Water and Sewer Assoc.	Warren Community Water and Sewer Assoc.
081	Ohio	Highland Co. Rural Water System	Highland Co. Water
082	Ohio	Highland Co. Rural System and Town of New Vienna	Highland Co. Water
083	Virginia	Tazewell Co. Water System	Tazewell Co. Water System
084	Virginia	Water System	Tazewell Co. WS Authority
085	Virginia	Water System	Tazewell Co. WS Authority
086	Virginia	Spring	Richlands WTP
087	Virginia	Water System	Richlands WTP
088	Indiana	Oldenberg Water Works	Oldenburg, Indiana
089	Ohio	Cincinnati Bolton Plant	City of Cincinnati
090	Ohio	Southwestern Ohio Water System	Southwestern Ohio Water Co. Ross, Ohio
091	Indiana	Milton Water System	Milton Community Water Co.
092	Ohio	Distribution lines	Adams Co. Water Company Inc.
093	Ohio	Portsmouth pipelines	City of Portsmouth, Ohio
094	Kentucky	Danville Water Works	City of Danville, Kentucky
095	Kentucky	Stanford Water Works	City of Stanford
096	Tennessee	Red Bolling Springs Water System	Red Bolling Springs, TN
097	Ohio	Union City, Ohio Water Dept.	Village of Union City
098	Indiana	Dale Water Works	Town of Dale
099	Indiana	Birdseye Water System	Town of Birdseye
100	Indiana	English Water Works	City of English
101	Indiana	Santa Claus Water System	Town of Santa Claus
102	Indiana	Union City Water Works	Town of Union City
103	Kentucky	Mt. Vernon Municipal Water Works	City of Mt. Vernon

Table 1.--Conveyance reference number, State of origin, name, and owner--Continued

Reference number 1/	State of origin	Name	Owner
104	Tennessee	ErIn Utility Department	City of ErlIn, TN
105	Tennessee	Turnbull U.D.	Public Utility
106	Tennessee	La Fayette Water System	City of La Fayette, TN
107	Tennessee	Westmoreland Water System	City of Westmoreland
108	Tennessee	Crossville Utility District	City of Crossville
109	Tennessee	Pleasant Hill Utility District	City of Pleasant Hill
110	Indiana	Distribution lines	Kent Water Company, Inc.
111	Indiana	Distribution lines	Dupont Water Company, Inc.
112	Tennessee	Madisonville Water Department	Public utility
113	Tennessee	Lantana Utility District	Public utility. Community of Lantana
114	Tennessee	Big Creek U.D.	Town of Coalmont
115	Alabama	Distribution lines	Albertville Water System
116	Tennessee	Shoal Creek Pipeline	Lawrenceburg Water System
117	Tennessee	Tennessee R. Pipeline	Harden Co. Board of Utilities
118	Tennessee	Distribution lines	Collinwood Water Department
119	Tennessee	Distribution lines	South Paris Co-op
120	Tennessee	Distribution lines	North Henry Utility District
121	Tennessee	Distribution lines	Puryear Water System
122	Tennessee	Normandy Lake Pipeline	Manchester Water Department
123	Tennessee	Dickson Lake Pipeline	Dickson Water Department
124	Minnesota	Hopkins City Wide Distribution System	City of Hopkins
125	Minnesota	Richfield City Wide Distribution System	City of Richfield
126	Minnesota	Hopkins City Wide Distribution System	City of Hopkins
127	Minnesota	Young America City-Wide Distribution System	City of Young America
128	Minnesota	Hopkins Sewer System	City of Hopkins
129	Minnesota	Norwood City-Wide Distribution System	City of Norwood
130	Minnesota	Irrigation lines	Keith McCallum
131	Wisconsin	Portage Canal	City of Portage
132	Tennessee	Selmer Water System	Public utility
133	Arkansas	Lake Winona Pipeline	City of Little Rock, Arkansas
134	Louisiana	DeStard Pipeline	City of Monroe, LA
135	Louisiana	Suburban North Subdivision Water System	Tidwell Enterprises
136	Louisiana	Pipeline from Mississippi River	St. James W.W. Dist. 2
137	Louisiana	Pipeline from Mississippi River	St. John the Baptist W.W. Dist 2
138	Louisiana	Pipeline from Mississippi River	Agrico Chemical

Table 1.--Conveyance reference number, State of origin, name, and owner--Continued

Reference number 1/	State of origin	Name	Owner
139	Louisiana	Pipeline from Mississippi River	C.F. Industries Inc.
140	Louisiana	Pipeline from Mississippi River	Triad Chemical
141	Louisiana	Distribution lines	City of Alexandria, LA
142	Arkansas	Beaver-Springdale Water Line	Beaver Water District
143	Arkansas	Jacksonville Supply Line	City of Jacksonville Arkansas
144	Louisiana	Toledo Pipeline	International Paper Co.
145	Louisiana	Sabine River Diversion Canal	La. Dept of Transportation and Development

1/ Reference number used to identify conveyances in tables 2-6.

Table 2.--Conveyance point of origin, initial delivery point,
and year placed in operation

Ref- erence number_1/	Point of origin			Initial delivery point			Year placed in operation
	State code	County code	Hydrologic unit code	State code	County code	Hydrologic unit code	
001	25	017	01070004	25	017	01090001	1967
002	09	003	01080205	09	009	01100004	--2/
003	09	005	01080207	09	005	01100005	--2/
004	09	003	01080205	09	009	01100004	--2/
005	09	011	01080205	09	011	01100003	--2/
006	25	027	01080204	25	017	01070004	1948
007	44	009	01090005	09	011	01100003	--2/
008	09	009	01100004	09	007	01080205	--2/
009	09	003	01100004	09	003	01080207	--2/
010	09	005	01100005	09	005	01080207	--2/
011	09	003	01100004	09	003	01080205	--2/
012	09	003	01100004	09	003	01080207	--2/
013	09	003	01100004	09	003	01080207	--2/
014	09	009	01100004	09	003	01080205	--2/
015	09	003	01100004	09	003	01080205	--2/
016	36	111	02020006	36	111	02030101	1917
017	36	111	02020007	36	119	02030101	1951
018	34	037	02020007	34	037	02040104	1895
019	36	065	02020004	36	065	04140202	1918
020	36	115	02020003	36	115	02010001	--2/
021	36	113	02020003	36	115	02010001	1945
023	09	001	02030101	09	001	01100006	--2/
023	09	001	02030101	09	001	01100006	--2/
024	36	105	02040104	36	111	02020007	1953
025	36	025	02040101	36	111	02020007	1964
026	36	025	02040102	36	111	02020007	1955
027	42	079	02040106	42	079	02050107	--2/
028	42	071	02050306	42	045	02040202	1965
029	42	071	02050306	42	029	02040205	1956
030	36	101	02050105	36	101	04140201	1931
031	36	023	02050102	36	067	04140201	--2/
032	24	025	02050306	24	510	02060003	1966
033	24	013	02060003	24	013	02070009	1957
034	24	027	02060006	24	033	02070010	1954
035	24	031	02070008	24	033	02060006	1958
036	51	179	02070011	51	047	02080103	--2/
037	51	069	02070004	51	109	02080106	--2/
038	51	069	02070004	51	109	02080106	--2/
039	51	099	02080104	51	099	02070011	--2/
040	51	179	02080104	51	179	02070011	--2/
041	51	091	02080201	51	091	02070001	--2/
042	51	091	02080201	51	091	02070001	--2/
043	51	630	02080104	51	179	02070011	--2/

Table 2.--Conveyance point of origin, initial delivery point,
and year placed in operation--Continued

Ref- erence number ^{1/}	Point of origin			Initial delivery point			Year placed in operation
	State code	County code	Hydrologic unit code	State code	County code	Hydrologic unit code	
044	51	023	02080201	51	161	03010101	--2/
045	51	041	02080207	51	053	03010201	--2/
046	51	041	02080207	51	149	03010202	--2/
047	51	550	03010205	51	550	02080208	--2/
048	51	550	03010205	51	550	02080208	--2/
049	51	093	03010202	51	800	02080208	--2/
050	51	175	03010201	51	800	02080208	--2/
051	37	063	03020201	37	063	03030002	1954
052	37	081	03030003	37	057	03040103	1920
053	37	125	03030004	37	125	03040203	1978
054	37	125	03030004	37	125	03040203	1978
055	37	151	03040103	37	151	03030003	1962
056	37	123	03040104	37	123	03030003	1959
057	37	123	03040104	37	123	03030003	--2/
058	37	003	03040102	37	097	03050101	--2/
059	13	121	03130001	13	089	03070103	--2/
060	13	135	03130001	13	089	03070103	--2/
061	13	121	03130001	13	121	03070103	--2/
062	13	067	03150104	13	067	03130001	--2/
063	01	081	03150109	01	081	03130002	--2/
064	01	073	03150202	01	073	03160111	1896
065	01	003	03160204	01	003	03140106	--2/
066	01	097	03170009	01	097	03160205	1952
067	26	103	04030110	26	103	04020105	1900
068	18	089	04040001	18	089	07120003	--2/
069	18	089	04040001	18	089	07120003	--2/
070	18	089	04040001	18	089	07120003	--2/
071	17	031	04040002	17	197	07120004	1900
072	36	065	04140202	36	065	02020004	1918
073	36	065	04150101	36	065	02020004	1915
074	42	003	05010009	42	003	05030101	--2/
075	42	003	05010009	42	003	05030101	--2/
076	39	009	05030204	39	009	05090101	1972
077	39	013	05030106	39	013	05040001	--2/
078	39	067	05040001	39	067	05030101	--2/
079	39	167	05040004	39	167	05030201	--2/
080	39	167	05040004	39	167	05030201	--2/
081	39	141	05060003	39	071	05090201	--2/
082	39	141	05060003	39	071	05090202	--2/
083	51	185	05070201	51	185	06010205	--2/
084	51	185	05070201	51	185	06010205	--2/
085	51	185	05070201	51	185	06010205	--2/
086	51	185	05070201	51	185	06010205	--2/

Table 2.--Conveyance point of origin, initial delivery point,
and year placed in operation--Continued

Ref- erence number ^{1/}	Point of origin			Initial delivery point			Year placed in operation
	State code	County code	Hydrologic unit code	State code	County code	Hydrologic unit code	
087	51	185	05070201	51	185	06010205	--2/
088	18	137	05080003	18	137	05090203	--2/
089	39	017	05080002	39	061	05090203	1976
090	39	061	05080002	39	061	05090203	1952
091	18	137	05090203	18	137	05120207	--2/
092	39	001	05090201	39	001	05060202	--2/
093	39	145	05090103	39	145	05060002	--2/
094	21	021	05100205	21	021	05140103	1968
095	21	137	05100205	21	137	05110001	1967
096	47	111	05110002	47	111	05130106	1964
097	39	037	05120103	39	037	05080001	--2/
098	18	037	05120209	18	147	05140201	--2/
099	18	037	05120209	18	037	05140201	--2/
100	18	037	05120209	18	025	05140104	--2/
101	18	037	05120209	18	147	05140201	--2/
102	18	135	05120103	39	037	05080001	--2/
103	21	203	05130102	21	203	05100205	1967
104	47	083	05130205	47	083	06040005	1971
105	47	043	05130204	47	043	06040003	1964
106	47	111	05130201	47	111	05110002	1979
107	47	165	05130201	47	165	05110002	--2/
108	47	035	05130108	47	035	06010208	1972
109	47	035	05130103	47	035	06010208	--2/
110	18	077	05140101	18	077	05120207	--2/
111	18	077	05140101	18	077	05120207	--2/
112	47	123	06010204	47	123	06020002	1979
113	47	035	06010208	47	035	05130108	1972
114	47	061	06020004	47	061	05130107	1964
115	01	095	06030001	01	095	03160111	--2/
116	47	099	06030005	47	099	06040004	1963
117	47	071	06030005	47	071	06040001	--2/
118	47	181	06040001	47	181	06030005	1966
119	47	079	06040005	47	079	08010203	1977
120	47	079	06040005	47	079	08010202	1982
121	47	079	06040005	47	079	08010202	1978
122	47	031	06040002	47	031	05130107	1973
123	47	043	06040003	47	043	05130204	--2/
124	27	053	07010206	27	053	07020012	1954
125	27	053	07010206	27	053	07020012	1963
126	27	053	07020012	27	053	07010206	1880
127	27	019	07020012	27	019	07010205	1946
128	27	053	07020012	27	053	07010206	1971
129	27	019	07020012	27	019	07010205	1926

Table 2.--Conveyance point of origin, initial delivery point,
and year placed in operation--Continued

Ref- erence number ^{1/}	Point of origin			Initial delivery point			Year placed in operation
	State code	County code	Hydrologic unit code	State code	County code	Hydrologic unit code	
130	27	163	07030005	27	163	07010206	-- ^{2/}
131	55	021	07070003	55	021	04030201	1856
132	47	109	08010207	47	109	06040001	-- ^{2/}
133	05	125	08040203	05	119	11110207	1938
134	22	073	08040207	22	073	08050001	1927
135	22	073	08040207	22	073	08050001	1973
136	22	093	08070100	22	093	08090301	1955
137	22	095	08070100	22	095	08090301	1955
138	22	093	08070100	22	093	08090301	1965
139	22	005	08070100	22	005	08090301	1965
140	22	005	08070100	22	005	08090301	1967
141	22	079	08080102	22	079	08040301	1966
142	05	007	11010001	05	143	11110103	1959
143	05	119	11110207	05	119	08020402	1980
144	22	031	12010004	22	031	11140206	1981
145	22	019	12010005	22	019	08080206	1981

^{1/} See table 1

^{2/} Not determined

Table 3 --Exports of water from water-resources subregions, water years 1973-82
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
001	0107 0109	912	888	917	937	903	871	919	873	929	895	
Subtotal 0107 0109		912	888	917	937	903	871	919	873	929	895	
Total 0107		912	888	917	937	903	871	919	873	929	895	
002	0108 0110	---	910	1,060	1,380	1,560	1,470	1,300	2,030	1,120	2,140	
003	0108 0110	22	25	23	24	25	26	26	28	30	---	
004	0108 0110	---	745	744	787	586	660	653	402	581	295	
005	0108 0110	---	---	---	---	---	---	---	---	---	---	
Subtotal 0108 0110		22	1,680	1,827	2,191	2,171	2,156	1,979	2,460	1,731	2,435	
006	0108 0107	419	501	551	815	539	684	473	686	646	409	
Subtotal 0108 0107		419	501	551	815	539	684	473	686	646	409	
Total 0108		441	2,181	2,378	3,006	2,710	2,840	2,452	3,146	2,377	2,844	
007	0109 0110	---	---	---	---	---	---	---	---	---	---	
Subtotal 0109 0110		---	---	---	---	---	---	---	---	---	---	
Total 0109		---	---	---	---	---	---	---	---	---	---	

Table 3 ---Exports of water from water-resources subregions, water years 1973-82---Continued
 [Dashes in year column indicate no data]

Conveyance		Water year exports (acre-foot)											
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982		
008	0110 0108												
009	0110 0108												
010	0110 0108												
011	0110 0108												
012	0110 0108												
013	0110 0108												
014	0110 0108	4,515	5,099	5,615	4,530	4,787	4,397	4,983	2,398	3,549	3,930		
015	0110 0108					37							
Subtotal 0110 0108		4,515	5,099	5,615	4,530	4,824	4,397	4,983	2,398	3,549	3,930		
Total 0110		4,515	5,099	5,615	4,530	4,824	4,397	4,983	2,398	3,549	3,930		
016	0202 0203	524,900	514,800	562,500	547,300	595,100	568,300	575,600	624,800	610,300	661,000		
017	0202 0203	890,500	955,700	905,000	948,400	984,600	977,400	984,600	948,400	767,400	810,900		
Subtotal 0202 0203		1,415,400	1,470,500	1,467,500	1,495,700	1,579,700	1,545,700	1,560,200	1,573,200	1,377,700	1,471,900		
018	0202 0204	1,060	1,080	1,170	963	977	1,086	1,010	1,010	1,010	1,010		
Subtotal 0202 0204		1,060	1,080	1,170	963	977	1,086	1,010	1,010	1,010	1,010		
019	0202 0414												
Subtotal 0202 0414													
020	0202 0201												
021	0202 0201	56,900	56,900	56,900	56,900	56,900	56,900	56,900	56,900	56,900	56,900		
Subtotal 0202 0201		56,900	56,900	56,900	56,900	56,900	56,900	56,900	56,900	56,900	56,900		
Total 0202		1,473,360	1,528,480	1,525,570	1,553,563	1,637,577	1,603,686	1,618,110	1,631,110	1,435,610	1,529,810		

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
 (Dashes in year column indicate no data)

Conveyance		Water year exports (acre-feet)									
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
022	0203 0110	510	500	467	485	567	591	612	613	616	623
023	0203 0110										
Subtotal 0203 0110		510	500	467	485	567	591	612	613	616	623
Total 0203		510	500	467	485	567	591	612	613	616	623
024	0204 0202	251,112	266,796	277,884	270,492	243,720	260,340	206,796	210,480	132,936	136,632
025	0204 0202	36,192	103,392	65,460	84,468	195,720	100,632	251,112	252,948	316,656	252,024
026	0204 0202	563,148	598,224	592,692	618,540	592,692	624,072	575,148	509,604	481,908	404,352
Subtotal 0204 0202		850,452	968,412	936,036	973,500	1,032,132	985,044	1,033,056	973,032	931,500	793,008
027	0204 0205	1634	498	1015	480	488	0	2308	922	5539	1570
Total 0204		852,086	968,910	937,051	973,980	1,032,620	985,044	1,035,364	973,954	937,039	794,578
028	0205 0204	39,792	40,992	40,428	41,604	43,452	40,584	41,448	42,000	44,592	40,524
029	0205 0204	1,930	1,847	1,855	1,826	1,771	2,029	2,123	2,215	1,939	1,662
Subtotal 0205 0204		41,722	42,839	42,283	43,430	45,223	42,613	43,571	44,215	46,531	42,186
030	0205 0414	701,932	463,518	499,446	1,096,888	528,680	950,978	260,278	807,022	171,490	928,352
031	0205 0414	215	215	215	215	215	215	215	23	23	23
Subtotal 0205 0414		702,147	463,733	499,661	1,097,103	528,895	951,193	260,493	807,045	171,513	928,375
032	0205 0206		99,158								
Total 0205		743,869	605,730	541,944	1,140,533	574,118	993,806	304,064	851,260	218,044	970,561

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
 (Dashes in year column indicate no data)

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
033	0206 0207	94	102	102	118	123	122	132	134	127	129	
034	0206 0207	-----	2,242	2,130	2,200	2,196	1,938	2,013	1,866	1,347	1,434	
Subtotal 0206 0207		94	2,344	2,232	2,318	2,319	2,060	2,145	2,000	1,474	1,563	
Total 0206		94	2,344	2,232	2,318	2,319	2,060	2,145	2,000	1,474	1,563	
035	0207 0206	2,230	2,317	2,481	2,484	2,710	2,686	2,704	2,941	3,274	3,187	
Subtotal 0207 0206		2,230	2,317	2,481	2,484	2,710	2,686	2,704	2,941	3,274	3,187	
036	0207 0208	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
037	0207 0208	-----	-----	-----	-----	-----	-----	-----	-----	-----	379	
038	0207 0208	-----	-----	-----	-----	-----	-----	-----	-----	-----	3	
Subtotal 0207 0208		-----	-----	-----	-----	-----	-----	-----	-----	-----	382	
Total 0207		2,230	2,317	2,481	2,484	2,710	2,686	2,704	2,941	3,274	3,569	
039	0208 0207	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
040	0208 0207	-----	-----	-----	-----	-----	-----	-----	-----	-----	987	
041	0208 0207	-----	-----	-----	-----	-----	-----	-----	-----	-----	8	
042	0208 0207	-----	-----	-----	-----	-----	-----	-----	-----	-----	66	
043	0208 0207	-----	-----	-----	-----	-----	-----	-----	-----	-----	563	
Subtotal 0208 0207		-----	-----	-----	-----	-----	-----	-----	-----	-----	1,624	
044	0208 0301	-----	-----	-----	-----	-----	-----	-----	-----	-----	15,249	
045	0208 0301	-----	-----	-----	-----	-----	-----	-----	-----	-----	671	
046	0208 0301	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,540	
Subtotal 0208 0301		-----	-----	-----	-----	-----	-----	-----	-----	-----	22,460	
Total 0208		-----	-----	-----	-----	-----	-----	-----	-----	-----	24,084	

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
 [Dashes in year column indicate no data]

Conveyance		Water year exports (acre-foot)											
Ref- erence	Subregion	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982		
number	From To												
047	0301 0208											7,996	
048	0301 0208											34	
049	0301 0208											12,878	
050	0301 0208											8,254	
Subtotal 0301 0208												29,162	
Total 0301												29,162	
051	0302 0303	8,181	7,457	7,891	7,602	7,095	8,108	8,543	8,688	8,688	9,339		
Subtotal 0302 0303		8,181	7,457	7,891	7,602	7,095	8,108	8,543	8,688	8,688	9,339		
Total 0302 0303		8,181	7,457	7,891	7,602	7,095	8,108	8,543	8,688	8,688	9,339		
052	0303 0304	3,982	3,909	3,837	3,765	3,692	3,475	3,330	3,113	2,751	3,258		
053	0303 0304	0	0	0	0	0	920	1,130	1,270	1,219	1,106		
054	0303 0304	0	0	0	0	0	79	115	88	81	107		
Subtotal 0303 0304		3,982	3,909	3,837	3,765	3,692	4,474	4,575	4,471	4,051	4,471		
Total 0303		3,982	3,909	3,837	3,765	3,692	4,474	4,575	4,471	4,051	4,471		
055	0304 0303	3,185	3,475	3,475	3,620	3,620	3,909	4,126	4,126	4,126	4,126		
056	0304 0303									225	250		
057	0304 0303									50	54		
Subtotal 0304 0303		3,185	3,475	3,475	3,620	3,620	3,909	4,126	4,126	4,401	4,430		

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
058	0304 0305	---	---	---	---	---	---	---	---	---	---	
Subtotal 0304 0305		---	---	---	---	---	---	---	---	---	---	
Total 0304		3,185	3,475	3,475	3,620	3,620	3,909	4,126	4,126	4,401	4,430	
059	0313 0307	---	---	---	---	---	---	---	24,652	---	---	
060	0313 0307	---	---	---	---	---	---	---	10,756	---	---	
061	0313 0307	---	---	---	---	---	---	---	31,937	---	---	
Subtotal 0313 0307		---	---	---	---	---	---	---	67,345	---	---	
Total 0313		---	---	---	---	---	---	---	67,345	---	---	
062	0315 0313	---	---	---	---	---	---	---	19,049	---	---	
063	0315 0313	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	
Subtotal 0315 0313		2,000	2,000	2,000	2,000	2,000	2,000	2,000	21,049	2,000	2,000	
064	0315 0316	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	
Subtotal 0315 0316		12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	
Total 0315		14,300	14,300	14,300	14,300	14,300	14,300	14,300	33,349	14,300	14,300	
065	0316 0314	750	750	750	750	750	750	750	750	750	750	
Subtotal 0316 0314		750	750	750	750	750	750	750	750	750	750	
Total 0316		750	750	750	750	750	750	750	750	750	750	

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
066	0317 0316	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	
Subtotal 0317 0316		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	
Total 0317		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	
067	0403 0402	2,027	2,100	2,172	2,534	2,172	1,593	1,810	1,593	1,665	1,593	
Subtotal 0403 0402		2,027	2,100	2,172	2,534	2,172	1,593	1,810	1,593	1,665	1,593	
Total 0403		2,027	2,100	2,172	2,534	2,172	1,593	1,810	1,593	1,665	1,593	
068	0404 0712	---	---	---	---	---	---	---	243	---	---	
069	0404 0712	---	---	2,580	---	---	---	---	2,560	---	---	
070	0404 0712	---	---	2,460	---	---	---	---	3,110	---	---	
Subtotal 0404 0712		---	---	5,040	---	---	---	---	5,913	---	---	
Total 0404		---	---	5,040	---	---	---	---	5,913	---	---	
071	0406 0712	2,404,000	2,118,000	2,297,000	2,157,000	2,144,000	2,212,000	2,420,000	2,194,000	2,249,000	2,235,000	
Subtotal 0406 0712		2,404,000	2,118,000	2,297,000	2,157,000	2,144,000	2,212,000	2,420,000	2,194,000	2,249,000	2,235,000	
Total 0406		2,404,000	2,118,000	2,297,000	2,157,000	2,144,000	2,212,000	2,420,000	2,194,000	2,249,000	2,235,000	

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
(Dashes in year column indicate no data)

Conveyance		Water year exports (acre-feet)									
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
072	0414 0202	---	---	---	---	---	---	---	---	---	---
Subtotal 0414 0202		---	---	---	---	---	---	---	---	---	---
Total 0414		---	---	---	---	---	---	---	---	---	---
073	0415 0202	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860
Subtotal 0415 0202		7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860
Total 0415		7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860
074	0501 0503	3,094	3,094	3,094	2,975	3,213	3,213	3,213	3,332	3,213	3,272
075	0501 0503	18,039	20,633	21,430	21,156	20,657	20,740	21,121	21,478	19,502	19,145
Subtotal 0501 0503		21,133	23,727	24,524	24,131	23,870	23,953	24,334	24,810	22,715	22,417
Total 0501		21,133	23,727	24,524	24,131	23,870	23,953	24,334	24,810	22,715	22,417
076	0503 0509	---	---	---	---	---	---	---	---	---	---
Subtotal 0503 0509		---	---	---	---	---	---	---	---	---	---
077	0503 0504	---	---	---	---	---	---	---	---	---	14
Subtotal 0503 0504		---	---	---	---	---	---	---	---	---	14
Total 0503		---	---	---	---	---	---	---	---	---	14

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)									
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
078	0504 0503	---	---	---	---	---	---	---	---	---	6
079	0504 0503	---	---	---	---	---	---	---	---	---	4,176
080	0504 0503	---	---	---	---	---	---	---	---	---	17
Subtotal 0504 0503		---	---	---	---	---	---	---	---	---	4,199
Total 0504		---	---	---	---	---	---	---	---	---	4,199
081	0506 0509	---	---	---	---	---	---	---	---	---	150
082	0506 0509	---	---	---	---	---	---	---	---	---	354
Subtotal 0506 0509		---	---	---	---	---	---	---	---	---	504
Total 0506		---	---	---	---	---	---	---	---	---	504
083	0507 0601	---	---	---	---	---	---	---	---	---	4
084	0507 0601	---	---	---	---	---	---	---	---	---	24
085	0507 0601	---	---	---	---	---	---	---	---	---	7
086	0507 0601	---	---	---	---	---	---	---	---	---	182
087	0507 0601	---	---	---	---	---	---	---	---	---	860
Subtotal 0507 0601		---	---	---	---	---	---	---	---	---	1,077
Total 0507		---	---	---	---	---	---	---	---	---	1,077
088	0508 0509	---	---	---	---	---	---	---	78	---	---
089	0508 0509	0	0	0	---	---	---	---	---	---	---
090	0508 0509	---	---	---	---	---	---	---	---	---	---
Subtotal 0508 0509		---	---	---	---	---	---	---	78	---	---
Total 0508		---	---	---	---	---	---	---	78	---	---

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
 (Dashes in year column indicate no data)

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
091	0509 0512	---	---	---	---	---	---	---	63	---	---	
Subtotal 0509 0512		---	---	---	---	---	---	---	63	---	---	
092	0509 0506	---	---	---	---	---	---	---	---	---	280	
093	0509 0506	---	---	---	---	---	---	---	---	---	345	
Subtotal 0509 0506		---	---	---	---	---	---	---	---	---	625	
Total 0509		---	---	---	---	---	---	---	63	---	625	
094	0510 0514	95	96	98	99	101	102	104	105	107	109	
Subtotal 0510 0514		95	96	99	99	101	102	104	105	107	109	
095	0510 0511	3	3	3	3	3	3	3	3	3	3	
Subtotal 0510 0511		3	3	3	3	3	3	3	3	3	3	
Total 0510		98	99	101	102	104	105	107	108	110	112	
096	0511 0513	42	42	42	42	42	42	42	42	42	42	
Subtotal 0511 0513		42	42	42	42	42	42	42	42	42	42	
Total 0511		42	42	42	42	42	42	42	42	42	42	

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
 (Dashes in year column indicate no data)

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
097	0512 0508	---	---	---	---	---	---	---	---	---	157	
Subtotal 0512 0508		---	---	---	---	---	---	---	---	---	157	
098	0512 0514	---	---	56	---	---	---	---	53	---	---	
099	0512 0514	---	---	45	---	---	---	---	50	---	---	
100	0512 0514	---	---	157	---	---	---	---	176	---	---	
101	0512 0514	---	---	157	---	---	---	---	166	---	---	
Subtotal 0512 0514		---	---	415	---	---	---	---	445	---	---	
102	0512 0508	---	---	1,040	---	---	---	---	1,320	---	---	
Subtotal 0512 0508		---	---	1,040	---	---	---	---	1,320	---	---	
Total 0512		---	---	1,455	---	---	---	---	1,765	---	157	
103	0513 0510	1/ ---	1/ 70	1/ 31	1/ 37	1/ 43	1/ 57	1/ 22	1/ 32	1/ 60	1/ 28	
Subtotal 0513 0510		1/ ---	1/ 70	1/ 31	1/ 37	1/ 43	1/ 57	1/ 22	1/ 32	1/ 60	1/ 28	
104	0513 0604	6	6	6	6	6	6	6	6	1/ 16	16	
105	0513 0604	---	70	31	37	49	57	22	32	60	28	
Subtotal 0513 0604		6	76	37	43	58	63	28	38	60	44	
106	0513 0511	0	0	0	0	0	262	276	317	526	664	
107	0513 0511	202	202	202	202	202	202	202	202	202	202	
Subtotal 0513 0511		202	202	202	202	202	464	478	519	728	866	

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
108	0513 0601	295	295	295	295	295	295	295	295	295	295	
109	0513 0601	12	12	12	12	12	12	12	12	12	12	
Subtotal 0513 0601		307	307	307	307	307	307	307	307	307	307	
Total 0513		515	585	546	552	564	834	813	864	1,095	1,217	
110	0514 0512			190					398			
111	0514 0512			123					148			
Subtotal 0514 0512				313					546			
Total 0514				313					546			
112	0601 0602	0	0	0	0	0	0	1	1	1	1	
Subtotal 0601 0602		0	0	0	0	0	0	1	1	1	1	
113	0601 0513	64	70	80	90	100	110	120	139	139	139	
Subtotal 0601 0513		64	70	80	90	100	110	121	139	139	139	
Total 0601		64	70	80	90	100	110	121	140	140	140	
114	0602 0513	225	225	225	225	225	225	225	225	225	225	
Subtotal 0602 0513		225	225	225	225	225	225	225	225	225	225	
Total 0602		225	225	225	225	225	225	225	225	225	225	

Table 3 —Exports of water from water-resources subregions, water years 1973-82—Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)											
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982		
115	0603 0316	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300		
Subtotal 0603 0316		3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300		
116	0603 0604	323	323	323	323	323	323	323	339	339	339		
117	0603 0604	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Subtotal 0603 0604		323	323	323	323	323	323	323	339	339	339		
Total 0603		3,623	3,623	3,623	3,623	3,623	3,623	3,623	3,639	3,639	3,639		
118	0604 0603	21	21	21	21	21	21	21	21	21	22		
Subtotal 0604 0603		21	21	21	21	21	21	21	21	21	22		
119	0604 0801	0	0	0	0	9	11	12	14	16	18		
120	0604 0801	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
121	0604 0801	-----	-----	-----	-----	-----	1/	1/	1/	1/	1/		
Subtotal 0604 0801		-----	-----	-----	-----	9	11	12	14	16	18		
122	0604 0513	48	48	48	48	48	48	48	48	48	48		
123	0604 0513	-----	230	343	367	385	394	495	517	424	533		
Subtotal 0604 0513		48	278	391	415	433	442	543	565	472	581		
Total 0604		69	299	412	436	463	474	576	600	509	621		

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)											
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982		
124	0701 0702	102	90	90	112	97	103	93	92	81	81		
125	0701 0702	1,640	1,500	1,500	1,600	1,500	1,500	1,500	1,500	1,500	1,500		
Subtotal 0701 0702		1,742	1,590	1,590	1,712	1,597	1,603	1,593	1,592	1,581	1,581		
Total 0701		1,742	1,590	1,590	1,712	1,597	1,603	1,593	1,592	1,581	1,581		
126	0702 0701	51	45	45	56	48	51	46	55	48	48		
127	0702 0701	37	37	37	37	37	37	37	41	37	37		
128	0702 0701	30	27	27	33	29	31	28	27	24	24		
129	0702 0701	9	8	9	10	10	8	7	9	9	10		
Subtotal 0702 0701		127	117	118	136	124	127	118	132	118	119		
Total 0702		127	117	118	136	124	127	118	132	118	119		
130	0703 0701												
Subtotal 0703 0701													
Total 0703													
131	0707 0403	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620		
Subtotal 0707 0403		3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620		
Total 0707		3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620		

Table 3 --Exports of water from water-resources subregions, water years 1973-82--Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-foot)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
132	0801 0604	-----	59	59	59	59	59	59	59	59	59	
Subtotal 0801 0604		-----	59	59	59	59	59	59	59	59	59	
Total 0801		-----	59	59	59	59	59	59	59	59	59	
133	0804 1111	25,763	25,763	25,763	25,700	25,700	25,700	25,700	29,700	25,765	24,381	
Subtotal 0804 1111		25,763	25,763	25,763	25,700	25,700	25,700	25,700	29,700	25,765	24,381	
134	0804 0805	-----	-----	10,585	-----	-----	-----	-----	10,487	-----	-----	
135	0804 0805	-----	-----	-----	-----	-----	-----	-----	14	-----	-----	
Subtotal 0804 0805		-----	-----	10,585	-----	-----	-----	-----	10,501	-----	-----	
Total 0804		25,763	25,763	36,348	25,700	25,700	25,700	25,700	40,201	25,765	24,381	
136	0807 0809	-----	-----	717	-----	-----	-----	-----	1,043	-----	-----	
137	0807 0809	-----	-----	1,084	-----	-----	-----	-----	480	-----	-----	
138	0807 0809	-----	-----	8,388	-----	-----	-----	-----	8,873	-----	-----	
139	0807 0809	-----	-----	7,097	-----	-----	-----	-----	17,145	-----	-----	
140	0807 0809	-----	-----	4,839	-----	-----	-----	-----	4,253	-----	-----	
Subtotal 0807 0809		-----	-----	22,125	-----	-----	-----	-----	31,793	-----	-----	
Total 0807		-----	-----	22,125	-----	-----	-----	-----	31,793	-----	-----	

Table 3 ---Exports of water from water-resources subregions, water years 1973-82---Continued
(Dashes in year column indicate no data)

Conveyance		Water year exports (acre-foot)										
Ref- erence number	Subregion From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
141	0808 0804	14,096	14,788	10,512	12,040	13,542	11,545	13,420	12,589	-----	-----	
Subtotal 0808 0804		14,096	14,788	10,512	12,040	13,542	11,545	13,420	12,589	-----	-----	
Total 0808		14,096	14,788	10,512	12,040	13,542	11,545	13,420	12,589	-----	-----	
142	1101 1111	6,520	6,984	6,616	6,595	7,576	7,417	8,038	8,099	7,503	7,559	
Subtotal 1101 1111		6,520	6,984	6,616	6,595	7,576	7,417	8,038	8,099	7,503	7,559	
Total 1101		6,520	6,984	6,616	6,595	7,576	7,417	8,038	8,099	7,503	7,559	
143	1111 0802	0	0	0	0	0	0	0	3,420	3,420	3,420	
Subtotal 1111 0802		0	0	0	0	0	0	0	3,420	3,420	3,420	
Total 1111		0	0	0	0	0	0	0	3,420	3,420	3,420	
144	1201 1114	0	0	0	0	0	0	0	0	459	8,935	
Subtotal 1201 1114		0	0	0	0	0	0	0	0	459	8,935	
145	1201 0808	0	0	0	0	0	0	0	0	32,570	32,430	
Subtotal 1201 0808		0	0	0	0	0	0	0	0	32,570	32,430	
Total 1201		0	0	0	0	0	0	0	0	33,029	41,365	
Grand Total		5,699,939	5,455,891	5,537,289	6,058,330	5,623,046	6,028,412	5,615,706	6,030,775	5,097,198	5,856,455	

1/ Amount of conveyance is less than one acre-foot per year.

Table 4 --Exports of water from water-resources regions, water years 1973-82
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)											
Ref- erence number	Region	From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
022	02 01		510	500	467	485	567	591	612	613	616	623	
023	02 01												
Subtotal	02 01		510	500	467	485	567	591	612	613	616	623	
044	02 03											15,249	
045	02 03											671	
046	02 03											6,540	
Subtotal	02 03											22,460	
019	02 04												
030	02 04		701,932	463,518	499,446	1,096,888	528,680	950,978	260,278	807,022	171,490	928,352	
031	02 04		215	215	215	215	215	215	215	23	23	23	
Subtotal	02 04		702,147	463,733	499,661	1,097,103	528,895	951,193	260,493	807,045	171,513	928,375	
Total	02		702,657	464,233	500,128	1,097,588	529,462	951,784	261,105	807,658	172,129	951,458	
047	03 02											7,996	
048	03 02											34	
049	03 02											12,878	
050	03 02											8,254	
Subtotal	03 02											29,162	
Total	03											29,162	

Table 4 --Exports of water from water-resources regions, water years 1973-82--Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Region From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
072	04 02	---	---	---	---	---	---	---	---	---	---	
073	04 02	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	
Subtotal	04 02	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	
068	04 07	---	---	---	---	---	---	---	243	---	---	
069	04 07	---	---	2,580	---	---	---	---	2,560	---	---	
070	04 07	---	---	2,460	---	---	---	---	3,110	---	---	
071	04 07	2,404,000	2,118,000	2,297,000	2,157,000	2,144,000	2,212,000	2,420,000	2,194,000	2,249,000	2,235,000	
Subtotal	04 07	2,404,000	2,118,000	2,302,040	2,157,000	2,144,000	2,212,000	2,420,000	2,199,913	2,249,000	2,235,000	
Total	04	2,411,860	2,125,860	2,314,940	2,164,860	2,151,860	2,219,860	2,427,860	2,213,686	2,256,860	2,242,860	
083	05 06	---	---	---	---	---	---	---	---	---	4	
084	05 06	---	---	---	---	---	---	---	---	---	24	
085	05 06	---	---	---	---	---	---	---	---	---	7	
086	05 06	---	---	---	---	---	---	---	---	---	182	
087	05 06	---	---	---	---	---	---	---	---	---	860	
104	05 06	6	6	6	6	6	6	6	6	1/	16	
105	05 06	---	70	31	37	49	57	22	32	60	28	
108	05 06	295	295	295	295	295	295	295	295	295	295	
109	05 06	12	12	12	12	12	12	12	12	12	12	
Subtotal	05 06	313	383	344	350	362	370	335	345	367	1,428	
Total	05 06	313	383	344	350	362	370	335	345	367	1,428	

Table 4 --Exports of water from water-resources regions, water years 1973-82--Continued
[Dashes in year column indicate no data]

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Region From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
115	06 03	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	
Subtotal	06 03	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,300	
113	06 05	64	70	80	90	100	110	120	139	139	139	
114	06 05	225	225	225	225	225	225	225	225	225	225	
122	06 05	48	48	48	48	48	48	48	48	48	48	
123	06 05	---	230	343	367	385	394	495	517	424	533	
Subtotal	06 05	337	573	696	730	758	777	888	929	836	945	
119	06 08	0	0	0	0	9	11	12	14	16	18	
120	06 08	---	---	---	---	---	---	---	---	---	---	
121	06 08	---	---	---	---	---	1/	1/	1/	1/	1/	
Subtotal	06 08	0	0	0	0	9	11	12	14	16	18	
Total	06	3,637	3,873	3,996	4,030	4,067	4,088	4,200	4,243	4,152	4,263	
131	07 04	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	
Subtotal	07 04	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	
Total	07	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	

Table 4 --Exports of water from water-resources regions, water years 1973-82--Continued
(Dashes in year column indicate no data)

Conveyance		Water year exports (acre-feet)										
Ref- erence number	Region From To	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	
132	08 06	-----	59	59	59	59	59	59	59	59	59	
Subtotal	08 06	-----	59	59	59	59	59	59	59	59	59	
133	08 11	25,763	25,763	25,763	25,700	25,700	25,700	25,700	25,700	25,765	24,381	
Subtotal	08 11	25,763	25,763	25,763	25,700	25,700	25,700	25,700	25,700	25,765	24,381	
Total	08	25,763	25,833	25,822	25,759	25,759	25,759	25,759	25,759	25,824	24,440	
143	11 08	0	0	0	0	0	0	0	3,420	3,420	3,420	
Subtotal	11 08	0	0	0	0	0	0	0	3,420	3,420	3,420	
Total	11	0	0	0	0	0	0	0	3,420	3,420	3,420	
145	12 08	0	0	0	0	0	0	0	0	32,570	32,430	
Subtotal	12 08	0	0	0	0	0	0	0	0	32,570	32,430	
144	12 11	0	0	0	0	0	0	0	0	459	8,935	
Subtotal	12 11	0	0	0	0	0	0	0	0	459	8,935	
Total	12	0	0	0	0	0	0	0	0	33,029	41,365	
Grand Total		3,147,850	2,623,791	2,843,810	3,296,207	2,715,130	3,205,481	2,722,879	3,056,818	2,499,401	3,302,016	

1/ Amount of conveyance is less than one acre-foot per year.

Table 5.--State and county codes 1/

Alabama (01)	Indiana (18)	Massachusetts (25)	North Carolina--Continued	Tennessee (47)
County	County	County	County	County
003 Baldwin	025 Crawford	017 Middlesex	057 Davidson	031 Coffee
073 Jefferson	037 Dubois	027 Worcester	063 Durham	035 Cumberland
081 Lee	077 Jefferson		081 Guilford	043 Dickson
095 Marshall	089 Lake	Michigan (26)	097 Iredell	061 Grundy
097 Mobile	135 Randolph	County	123 Montgomery	071 Hardin
	137 Ripley	103 Marquette	125 Moore	079 Henry
Arkansas (05)	147 Spencer		151 Randolph	083 Houston
County		Minnesota (27)		099 Laurence
007 Benton	Kentucky (21)	County	Ohio (39)	109 McNairy
119 Pulaski	County	019 Carver	County	111 Macon
125 Saline	021 Boyle	053 Hennepin	001 Adams	123 Monroe
143 Washington	137 Lincoln	163 Washington	009 Athens	165 Sumner
	203 Rockcastle		013 Belmont	181 Wayne
Connecticut (09)		New Jersey (34)	017 Butler	
County	Louisiana (22)	County	037 Darke	Virginia (51)
001 Fairfield	County	037 Sussex	061 Hamilton	County
003 Hartford	005 Ascension		067 Harrison	023 Botetourt
005 Litchfield	019 Calcasieu	New York (36)	071 Highland	041 Patrick
007 Middlesex	031 De Soto	County	141 Ross	047 Culpeper
009 New Haven	073 Quachita	023 Cortland	145 Scioto	053 Dinwiddie
011 New London	079 Rapides	025 Delaware	167 Washington	069 Frederick
	093 St. James	065 Oneida		091 Highland
Georgia (13)	095 St. John the Baptist	067 Onondaga	Pennsylvania (42)	093 Isle of Wight
County		101 Steuben	County	099 King George
067 Cobb	Maryland (24)	105 Sullivan	003 Allegheny	109 Louisa
089 DeKalb	County	111 Ulster	029 Chester	149 Prince George
121 Fulton	013 Carroll	113 Warren	045 Delaware	161 Roanoke
135 Winnett	025 Harford	115 Washington	071 Lancaster	175 Southampton
	027 Howard	119 Westchester	079 Luzerne	179 Stafford
Illinois (17)				185 Tazewell
County	031 Montgomery	North Carolina (37)	Rhode Island (44)	550 Chesapeake
031 Cook	033 Prince George's	County	County	630 Fredericksburg
197 Will	510 Baltimore City	003 Alexander	009 Washington	800 Suffolk
				Wisconsin (55)
				County
				021 Columbia

1/ The state codes appear in U.S. National Bureau of Standards (1970). The county codes appear in U.S. National Bureau of Standards (1982).

Table 6. Hydrologic-unit codes and names^{1/}

Region 01 New England region

Subregion 0107 -- Merrimack

Accounting unit 010700 -- Merrimack

Cataloging unit 01070004 -- Nashua

Subregion 0108 -- Connecticut

Accounting unit 010802 -- Lower Connecticut

Cataloging units 01080204 -- Chicopee

01080205 -- Lower Connecticut

01080207 -- Farmington

Subregion 0109 -- Massachusetts-Rhode Island Coastal

Accounting unit 010900 -- Massachusetts-Rhode Island Coastal

Cataloging units 01090001 -- Charles

01090005 -- Pawcatuck-Wood

Subregion 0110 -- Connecticut Coastal

Accounting unit 011000 -- Connecticut Coastal

Cataloging units 01100003 -- Thames

01100004 -- Quinnipiac

01100005 -- Housatonic

01100006 -- Saugatuck

Region 02 Mid Atlantic region

Subregion 0201 -- Richelieu

Accounting unit 020100 -- Richelieu

Cataloging unit 02010001 -- Lake George

Subregion 0202 -- Upper Hudson

Accounting unit 020200 -- Upper Hudson

Cataloging units 02020003 -- Hudson-Hoosic

02020004 -- Mohawk

02020006 -- Middle Hudson

02020007 -- Rondout

Subregion 0203 -- Lower Hudson-Long Island

Accounting unit 020301 -- Lower Hudson

Cataloging unit 02030101 -- Lower Hudson

Subregion 0204 -- Delaware

Accounting unit 020401 -- Upper Delaware

Cataloging units 02040101 -- Upper Delaware

02040102 -- East Branch Delaware

02040104 -- Middle Delaware-Mongaup-Brodhead

02040106 -- Lehigh

Accounting unit 020402 -- Lower Delaware

Cataloging units 02040202 -- Lower Delaware

02040205 -- Brandywine-Christina

Table 6. Hydrologic-unit codes and names^{1/}--Continued

 Region 02 Mid Atlantic--Continued

Subregion 0205 -- Susquehanna

Accounting unit 020501 -- Upper Susquehanna

Cataloging units 02050102 -- Chenango

02050105 -- Chemung

02050107 -- Upper Susquehanna-Lackawanna

Accounting unit 020503 -- Lower Susquehanna

Cataloging unit 02050306 -- Lower Susquehanna

Subregion 0206 -- Upper Chesapeake

Accounting unit 020600 -- Upper Chesapeake

Cataloging units 02060003 -- Gunpowder-Patapsco

02060006 -- Patuxent

Subregion 0207 -- Potomac

Accounting unit 020700 -- Potomac

Cataloging units 02070001 -- South Branch Potomac

02070004 -- Conocoheague-Opequon

02070008 -- Middle Potomac-Catoctin

02070009 -- Monocacy

02070010 -- Middle Potomac-Anacostia-Occoquan

02070011 -- Lower Potomac

Subregion 0208 -- Lower Chesapeake

Accounting unit 020801 -- Lower Chesapeake

Cataloging units 02080103 -- Rapidan-Upper Rappahannock

02080104 -- Lower Rappahannock

02080106 -- Pamunkey

Accounting unit 020802 -- James

Cataloging units 02080201 -- Upper James

02080207 -- Appomattox

02080208 -- Hampton Roads

Region 03 South Atlantic-Gulf region

Subregion 0301 -- Chowan-Roanoke

Accounting unit 030101 -- Roanoke

Cataloging unit 03010101 -- Upper Roanoke

Accounting unit 030102 -- Alhemarle-Chowan

Cataloging units 03010201 -- Nottoway

03010202 -- Blackwater

03010205 -- Albermarle

Subregion 0302 -- Neuse-Pamlico

Accounting unit 030202 -- Neuse

Cataloging unit 03020201 -- Upper Neuse

Table 6. Hydrologic-unit codes and names^{1/}--Continued

Region 03 South Atlantic-Gulf--Continued

Subregion 0303 -- Cape Fear

Accounting unit 030300 -- Cape Fear
 Cataloging units 03030002 -- Haw
 03030003 -- Deep
 03030004 -- Upper Cape Fear

Subregion 0304 -- Pee Dee

Accounting unit 030401 -- Upper Pee Dee
 Cataloging units 03040102 -- South Yadkin
 03040103 -- Lower Yadkin
 03040104 -- Upper Pee Dee
 Accounting unit 030402 -- Lower Pee Dee
 Cataloging unit 03040203 -- Lumber

Subregion 0305 -- Edisto-Santee

Accounting unit 030501 -- Santee
 Cataloging unit 03050101 -- Upper Catawba

Subregion 0307 -- Altamaha-St. Marys

Accounting unit 030701 -- Altamaha
 Cataloging unit 03070103 -- Upper Ocmulgee

Subregion 0313 -- Apalachicola

Accounting unit 031300 -- Apalachicola
 Cataloging units 03130001 -- Upper Chattahoochee
 03130002 -- Middle Chattahoochee

Subregion 0314 -- Choctawhatchee

Accounting unit 031401 -- Florida Panhandle Coastal
 Cataloging unit 03140106 -- Perdido

Subregion 0315 -- Alabama

Accounting unit 031501 -- Coosa-Tallapoosa
 Cataloging units 03150104 -- Etowah
 03150109 -- Middle Tallapoosa
 Accounting unit 031502 -- Alabama
 Cataloging unit 03150202 -- Cahaba

Subregion 0316 -- Mobile-Tombigbee

Accounting unit 031601 -- Black Warrior-Tombigbee
 Cataloging unit 03160111 -- Locust
 Accounting unit 031602 -- Tombigbee
 Cataloging units 03160204 -- Mobile-Tensaw
 03160205 -- Mobile Bay

Table 6. Hydrologic-unit codes and names^{1/}--Continued

Region 03 South Atlantic-Gulf--Continued

Subregion 0317 -- Pascagoula
Accounting unit 031700 -- Pascagoula
Cataloging unit 03170009 -- Mississippi Coastal

Region 04 Great Lakes region

Subregion 0402 -- Southern Lake Superior-Lake Superior
Accounting unit 040201 -- Southcentral Lake Superior
Cataloging unit 04020105 -- Dead-Kelsey

Subregion 0403 --Northwestern Lake Michigan
Accounting unit 040301 -- Northwestern Lake Michigan
Cataloging unit 04030110 -- Escanaba
Accounting unit 040302 -- Fox
Cataloging unit 04030201 -- Upper Fox

Subregion 0404 -- Southwestern Lake Michigan
Accounting unit 040400 -- Southwestern Lake Michigan
Cataloging units 04040001 -- Little Calumet-Galien
04040002 -- Pike-Root

Subregion 0414 -- Southeastern Lake Ontario
Accounting unit 041402 -- Oswego
Cataloging units 04140201 -- Seneca
04140202 -- Oneida

Subregion 0415 -- Northwestern Lake Ontario-Lake
Accounting unit 041501 -- Northeastern Lake Ontario
Cataloging unit 04150101 -- Black

Region 05 Ohio region

Subregion 0501 -- Allegheny
Accounting unit 050100 -- Allegheny
Cataloging unit 05010009 -- Lower Allegheny

Subregion 0503 -- Upper Ohio
Accounting unit 050301 -- Upper Ohio-Beaver
Cataloging units 05030101 -- Upper Ohio
05030106 -- Upper Ohio-Wheeling
Accounting unit 050302 -- Upper Ohio-Little Kanawha
Cataloging units 05030201 -- Little Muskingum-Little Island
05030204 -- Hocking

Table 6. Hydrologic-unit codes and names^{1/}--Continued

Region 05 Ohio--Continued

Subregion 0504 -- Muskingum

Accounting unit 050400 -- Muskingum

Cataloging units 05040001 -- Tuscurawas

05040004 -- Muskingum

Subregion 0506 -- Scioto

Accounting unit 050600 -- Scioto

Cataloging units 05060002 -- Lower Scioto

05060003 -- Paint

Subregion 0507 -- Big Sandy-Guyandotte

Accounting unit 050702 -- Big Sandy

Cataloging unit 05070201 -- Tugg

Subregion 0508 -- Great Miami

Accounting unit 050800 -- Great Miami

Cataloging units 05080001 -- Upper Great Miami

05080002 -- Lower Great Miami

05080003 -- Whitewater

Subregion 0509 -- Middle Ohio

Accounting unit 050901 -- Middle Ohio-Raccon

Cataloging units 05090101 -- Racoon-Symmes

05090103 -- Little Scioto-Tygarts

Accounting unit 050902 -- Middle Ohio-Little Miami

Cataloging units 05090201 --Ohio Brush-Whiteoak

05090202 -- Little Miami

05090203 -- Middle Ohio-Laughery

Subregion 0510 -- Kentucky-Licking

Accounting unit 051002 -- Kentucky

Cataloging unit 05100205 -- Lower Kentucky

Subregion 0511 -- Green

Accounting unit 051100 -- Green

Cataloging units 05110001 -- Upper Green

05110002 -- Barren

Subregion 0512 -- Wabash

Accounting unit 051201 -- Wabash

Cataloging units 05120103 -- Mississinewa

Accounting unit 051202 -- White

Cataloging units 05120207 -- Muscatatuck

05120209 -- Patoka

Table 6. Hydrologic-unit codes and names^{1/}--Continued

 Region 05 Ohio--Continued

Subregion 0513 -- Cumberland

Accounting unit 051301 -- Upper Cumberland

Cataloging units 05130102 -- Rockcastle

05130103 -- Upper Cumberland-Lake Cumberland Reservoir

05130106 -- Upper Cumberland-Cordell Hull Reservoir

05130107 -- Collins

05130108 -- Caney

Accounting unit 051302 -- Lower Cumberland

Cataloging units 05130201 -- Lower Cumberland-Old Hickory Lake

05130204 -- Harpeth

05130205 -- Lower Cumberland

Subregion 0514 -- Lower Ohio

Accounting unit 051401 -- Lower Ohio-Salt

Cataloging units 05140101 -- Silver-Little Kentucky

05140103 -- Rolling Fork

05140104 -- Blue-Sinking

Accounting unit 051402 -- Lower Ohio

Cataloging unit 05140201 -- Lower Ohio-Little Pigeon

Region 06 Tennessee region

Subregion 0601 -- Upper Tennessee

Accounting unit 060102 -- Upper Tennessee

Cataloging units 06010204 -- Lower Little Tennessee

06010205 -- Upper Clinch

06010208 -- Emory

Subregion 0602 -- Middle Tennessee-Hiwassee

Accounting unit 060200 -- Middle Tennessee-Hiwassee

Cataloging units 06020002 -- Hiwassee

06020004 -- Sequatchie

Subregion 0603 -- Middle Tennessee-Elk

Accounting unit 060300 -- Middle Tennessee-Elk

Cataloging units 06030001 -- Gunter'sville Lake

06030005 -- Pickwick Lake

Subregion 0604 -- Lower Tennessee

Accounting unit 060400 -- Lower Tennessee

Cataloging units 06040001 -- Lower Tennessee-Beech

06040002 -- Upper Duck

06040003 -- Lower Duck

06040004 -- Buffalo

06040005 -- Kentucky Lake

Table 6. Hydrologic-unit codes and names^{1/}--Continued

Region 07 Upper Mississippi region

Subregion 0701 -- Mississippi Headwaters

Accounting unit 070102 -- Upper Mississippi-Crow-Rum

Cataloging units 07010205 -- South Fork Crow

07010206 -- Twin Cities

Subregion 0702 -- Minnesota

Accounting unit 070200 -- Minnesota

Cataloging unit 07020012 -- Lower Minnesota

Subregion 0703 -- St. Croix

Accounting unit 070300 -- St. Croix

Cataloging unit 07030005 -- Lower St. Croix

Subregion 0707 -- Winconsin

Accounting unit 070700 -- Wisconsin

Cataloging unit 07070003 -- Castle Rock

Subregion 0712 -- Upper Illinois

Accounting unit 071200 -- Upper Illinois

Cataloging units 07120003 -- Chicago

07120004 -- Des Plaines

Region 08 Lower Mississippi region

Subregion 0801 -- Lower Mississippi-Hatchie

Accounting unit 080102 -- Hatchie-Obion

Cataloging units 08010202 -- Obion

08010203 -- South Fork Obion

08010207 -- Upper Hatchie

Subregion 0802 -- Lower Mississippi-St. Francis

Accounting unit 080204 -- Lower Arkansas

Cataloging unit 08020402 -- Bayou Meto

Subregion 0804 -- Lower Red

Accounting unit 080402 -- Lower Ouachita

Cataloging units 08040203 -- Upper Saline

08040207 -- Lower Ouachita

Accounting unit 080403 -- Lower Red

Cataloging unit 08040301 -- Lower Red

Subregion 0805 -- Boeuf-Tensas

Accounting unit 080500 -- Boeuf-Tensas

Cataloging unit 08050001 -- Boeuf

Table 6. Hydrologic-unit codes and names^{1/}--Continued

Region 08 Lower Mississippi--Continued

Subregion 0807 -- Lower Mississippi-Lake Maurepas

Accounting unit 080701 -- Lower Mississippi-Baton Rouge

Cataloging unit 08070100 -- Lower Mississippi-Baton Rouge

Subregion 0808 -- Louisiana Coastal

Accounting unit 080801 -- Atchafalaya

Cataloging unit 08080102 -- Bayou Tech

Accounting unit 080802 -- Calcasieu

Cataloging unit 08080206 -- Lower Calcasieu

Subregion 0809 -- Lower Mississippi

Accounting unit 080903 -- Central Louisiana Coastal

Cataloging unit 08090301 -- East Central Louisiana Coastal

Region 11 Arkansas-White-Red region

Subregion 1101 -- Upper White

Accounting unit -- 110100 -- Upper White

Cataloging unit 11010001 -- Beaver Reservoir

Subregion 1111 -- Lower Arkansas

Accounting unit -- Robert S. Kerr Reservoir

Cataloging unit 11110103 -- Illinois

Accounting unit -- Lower Arkansas-Fourche La Fave

Cataloging unit 11110207 -- Lower Arkansas-Maumelle

Subregion 1114 -- Red Sulphur

Accounting unit 111402 -- Red Saline

Cataloging unit 11140206 -- Bayou Pierre

Region 12 Texas-Gulf region

Subregion 1201 -- Sabine

Accounting unit 120100 -- Sabine

Cataloging units 12010004 -- Toledo Bend Reservoir

12010005 -- Lower Sabine

^{1/} The hydrologic unit codes appear in the U.S. Geological Survey (1982), U.S. Geological Survey Circular 878-A.