

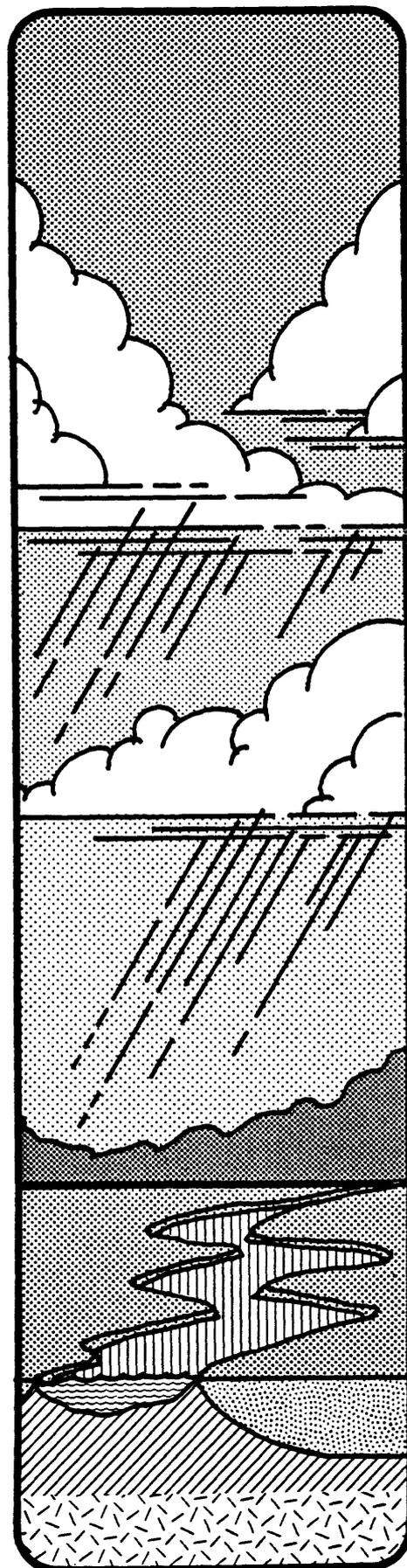
OKLAHOMA:
A SUMMARY OF ACTIVITIES
OF THE
U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
FOR 1983

By R.L. Hanson, J.C. Scott,
and J.K. Kurklin

U.S. GEOLOGICAL SURVEY
OPEN-FILE REPORT 83-767



Oklahoma City, Oklahoma
1983



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SUMMARY OF ACTIVITIES

OF THE

U.S. GEOLOGICAL SURVEY WATER RESOURCES DIVISION OKLAHOMA DISTRICT

1983

INTRODUCTION

This report is a summary of water resources activities conducted by the Water Resources Division of the U.S. Geological Survey, Oklahoma District, during 1983. It contains brief descriptions of all current and recently completed projects and the status of each project. A list of all published reports related to the water resources of Oklahoma is given. It contains tables listing all current and historic streamflow gaging stations, water quality stations, reservoir stations, ground-water sites and precipitation sites maintained by the Geological Survey through cooperation with other State, local, and Federal agencies. Included are discontinued surface-water and water-quality stations for which the Geological Survey has published records.

Table 1 gives an alphabetical listing of all current and historical gaging stations in the State as of October 1, 1983. Table 2 lists these stations by station number in downstream order. Table 3 lists alphabetically by county the continuous and partial record ground-water level measuring sites currently maintained in Oklahoma.

Maps show the location of each type of station and the location of selected ground-water wells. Included are indexes of flood prone area maps and the two-degree quadrangle sheets in Oklahoma for which hydrologic reconnaissance studies have been made.

For additional information contact:

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U.S. Geological Survey
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Rm 621, 215 Dean A. McGee Ave.
Oklahoma City, OK 73102
Telephone: (405) 231-4256
(FTS) 736-4256

SUMMARY OF CURRENT AND RECENTLY COMPLETED PROJECTS

Title: SURFACE WATER STATIONS

Leader: Joanne K. Kurklin

Number: OK 00-001



Purpose and Scope: To collect, analyze, and publish surface water records for stations operated by the U.S. Geological Survey and cooperating agencies in Oklahoma.

Progress: Discharge records are being collected at 119 stream flow sites and stage and contents are being collected for 24 lakes and reservoirs. Table 1 includes a list of all current gaging stations maintained by the U.S. Geological Survey. The location of these gaging stations is shown in figure 1. Publication of the 1982 water year records is scheduled for November 1983.

Cooperating Agencies: See codes at end of report for "COOP" given in tables.

Title: GROUND WATER STATIONS

Leader: Joanne K. Kurklin

Number: OK 00-002



Purpose and Scope: To collect, compile, and publish records of the ground-water levels in wells at selected sites throughout the State.

Progress: During the 1983 water year, monthly or quarterly water levels were measured at 16 sites in the State and continuous measurements were obtained at 24 sites. A description of these wells is given in table 3 and their location is shown in figure 2. Approximately 1,095 wells were measured once during the 1982-83 winter season by the Oklahoma Water Resources Board and the U.S. Geological Survey. These wells are located in the principal ground-water aquifers throughout the State. Figure 3 shows the number of wells in each county included in the winter measurement program. Publication of the 1981-82 water level records is scheduled for November, 1983.

Cooperating Agency: Oklahoma Water Resources Board

Title: WATER QUALITY STATIONS

Leader: Joanne K. Kurklin

Number: OK 00-003

Purpose and Scope: To collect, analyze, and publish water-quality records for stations operated by the U.S. Geological Survey.

Progress: Water quality data for the 1983 water year have been collected at 34 streamflow sites and three reservoirs. The sites are listed in tables 1 and 2 and their locations are shown in figure 4. Publication of the 1982 water year records is scheduled for November 1983.

Cooperating Agencies: See codes at end of report for "COOP" given in tables.



Title: SEDIMENT STATIONS

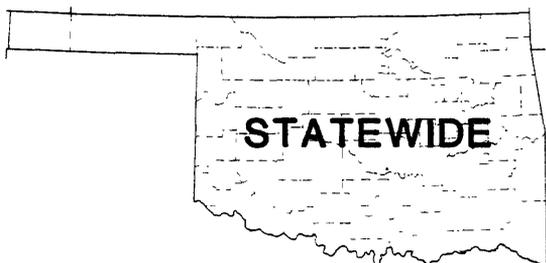
Leader: Stephen P. Blumer

Number: OK 00-004

Purpose and Scope: To provide a national bank of sediment data for use in broad Federal and State planning programs and to provide sediment data for Federal and State management of Oklahoma's interstate waters.

Progress: Sediment data are presently collected at 32 stream flow sites. These sites are listed in tables 1 and 2 and are identified under the "Water Quality Parameter" column as "S". Figure 5 shows the location of each site.

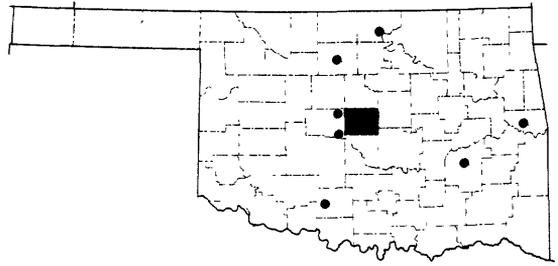
Cooperating Agencies: See codes at end of report for "COOP" given in tables.



Title: FEDERAL EMERGENCY
MANAGEMENT AGENCY (FEMA)
FLOOD INSURANCE STUDIES

Leader: Robert L. Tortorelli

Number: OK 75-006



Purpose and Scope: To study flood problems in selected cities in Oklahoma that are participating in the flood insurance program, administered by the Federal Emergency Management Agency (FEMA) and the Federal Insurance Administration (FIA). Detailed hydraulic studies of all prominent streams in these cities were made to determine elevations for the 10-, 50-, 100-, and 500-year floods and inundation patterns for the 100- and 500-year floods. A floodway boundary is delineated and flood insurance rates are shown. Flood Insurance studies supersede the approximate 100-year flood prone maps (see Flood-Prone Area Mapping-Project OK 70-031) where they are coincident.

Progress: Flood insurance studies have been completed for 19 cities and one county in Oklahoma. A publication listing those communities participating in the National Flood Insurance Program and current FIA flood maps can be ordered from:

National Flood Insurance Program
P.O. Box 34294
Bethesda, MD 20034
Phone: 1-800-638-6620 (toll free)

Cooperating Agency: FEMA of the Department of Housing and Urban Development.

Title: OKLAHOMA WATER-USE DATA SYSTEM

Leader: Jerry D. Stoner

Number: OK 79-007



Purpose and Scope: To operate and maintain an Oklahoma Water-Use Data System. The system provides information to support planning, development, management, and conservation of the water resources of Oklahoma.

Progress: A data base management system has been selected and installed and is now in operation. All available water-use data for the calendar years 1980 and 1981 have been stored in the system. Storage of irrigation water-use data for 1982 is now under way. A report estimating the self-supplied domestic water use for 1980 is in preparation.

Cooperating Agency: Oklahoma Water Resources Board.

Title: INVESTIGATION AND ANALYSIS OF
FLOODS FROM SMALL WATERSHEDS
IN OKLAHOMA

Leader: DeRoy L. Bergman

Number: OK 64-010



Purpose and Scope: To verify and refine previously defined flood frequency equations derived from a rainfall-runoff model calibrated from small watersheds (see "Techniques for Estimating Flood Discharges for Oklahoma Streams" by Thomas and Corley). Storm hydrographs and annual peak discharges collected from an additional 10 years of record will be used to examine: a.) the sensitivity of the number and size of storm events on the model parameters, b.) true model calibration error, and c.) the observed station flood frequency curve.

Progress: Characteristics of storm hydrographs have been adequately defined and continuous monitoring of stage and rainfall has therefore been terminated. The present crest gage network, which includes 36 gages to collect peak discharge data, only, will be maintained for about two more years or until 20 years of station records have been collected. The present station network is listed in tables 1 and 2 and their locations are shown in Figure 6.

Cooperating Agencies: State of Oklahoma Department of Transportation

Title: FLOOD PRONE AREA MAPPING IN OKLAHOMA

Project Leader: Robert L. Tortorelli

Project Number: OK 70-031



Purpose and Scope: To investigate the extent and severity of flooding in urban and rural areas based upon the National Flood Insurance Act of 1968 and the National Disaster Protection Act of 1973. Existing streamflow data is used to delineate the approximate boundaries of the 100-year flood on 7 1/2 and 15-minute topographic maps.

Progress: A report entitled "Techniques for Estimating Flood Depths for Oklahoma Streams", by W. O. Thomas Jr. (see list of publications) provides regression equations for estimating the 2-, 5-, 10-, 25-, 50-, and 100-year flood depths for both rural and urban streams. Areas that would be inundated by the 100-year flood is available for 430 maps in Oklahoma. Completed quadrangles are shown in Figure 7. These maps are available from:

U.S. Geological Survey
Room 621
215 Dean A. McGee St.
Oklahoma City, Oklahoma 73102

Cooperating Agencies: None.

Title: SPECIAL COMPUTER SERVICES

Leader: Jonathon C. Scott

Number: OK 74-035



Purpose and Scope: To provide water resources data rapidly in an easy-to-use and readily available form. Two systems provide this service -- WATSTORE (WATER Data STORAGE and RETRIEVAL System) and NAWDEX (NATIONAL Water Data EXchange).

Progress: WATSTORE (District contact: Jonathon C. Scott): Ground-water records for 18,587 wells in Oklahoma have been entered into WATSTORE. These records include well depth, depth-to-water, well yield, name of aquifer, and well construction data. Discharge and/or quality of water data from 1,539 streams, lakes, and springs have been entered into WATSTORE. Also, peak flow data is available for 350 surface water stations. Installation of an in-house PRIME minicomputer has begun which will provide the capability to perform rapid data retrieval and analysis.

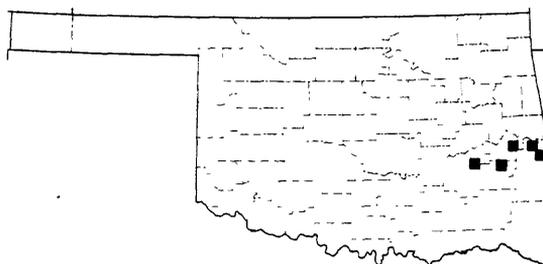
NAWDEX (District contact: Lionel D. Mize): The Oklahoma City office is designated as the Local Assistance Center for people desiring information access through NAWDEX. NAWDEX serves as an information center for the location and types of data available on water and related subjects.

Cooperating Agency: Oklahoma Geological Survey.

Title: HYDROLOGIC DATA ON COAL
LEASE AREAS IN EASTERN
OKLAHOMA

Leader: Robert L. Tortorelli

Project Number: OK 76-039



Purpose and Scope: To assess the regional variability of the hydrology and to monitor any changes in the quantity and quality of the ground waters in eastern Oklahoma coal areas as a result of strip-mining.

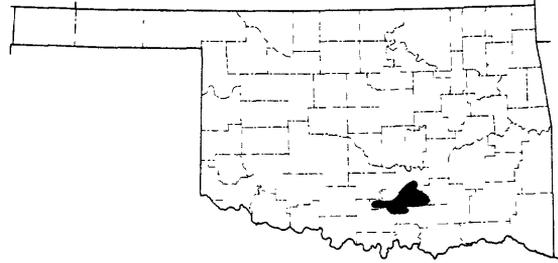
Progress: Data collected in the study area includes streamflow, water quality, and sediment data obtained at 5 stream gaging stations and 8 miscellaneous stream sites; ground water levels obtained from five wells; well inventories and water quality analysis obtained at approximately 100 sites; and rainfall intensities recorded at 13 rain gages. Data collection has been terminated and preliminary appraisal reports of the hydrology for four areas (Red Oak, Blocker, Stigler, and Rock Island) have been published as Water Resources Investigations (see list of publications). A rainfall-runoff modeling study of Blue Creek, Red Oak Creek, and Holi-Tuska Creek will be completed in 1984.

Cooperating Agency: U.S. Bureau of Land Management.

Title: HYDROLOGY OF THE ARBUCKLE MOUNTAIN AREA, SOUTH CENTRAL OKLAHOMA

Leader: Roy W. Fairchild

Number: OK 77-041



Purpose and Scope: To appraise the water resources available from streams, springs, and the Arbuckle-Simpson aquifer in the Arbuckle Mountain area. The project evaluates: (1) the relationship between the surface water and ground water, (2) the availability of surface and groundwater, (3) the rate of recharge to the aquifer, (4) the water quality relative to municipal and industrial use, and (5) areas of current or potential hydrologic problems.

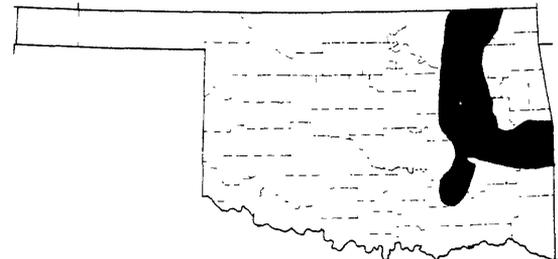
Progress: The study has been completed and a report describing the results of the study has been prepared. The report will be published by the Oklahoma Geological Survey.

Cooperating Agency: Oklahoma Geological Survey

Title: EASTERN OKLAHOMA COAL HYDROLOGY

Leader: Melvin V. Marcher

Number: OK 77-042



Purpose and Scope: To provide baseline hydrologic data in areas of past, present, and future strip mining in eastern Oklahoma and appraise the effects of mining on the water resources of the area.

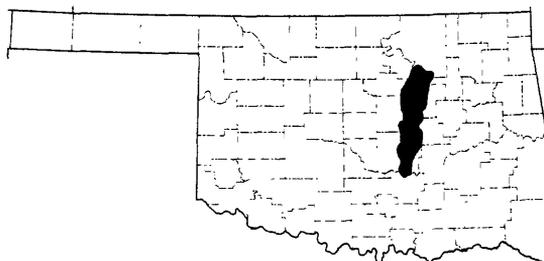
Progress: Records of wells, test holes, and springs and the chemical quality of ground water collected prior to 1978 have been compiled and published by Havens in Open-file Report 78-357 (see list of publications). As part of the project, about 1,000 wells, several hundred streams, and several mine ponds have been inventoried and selected water quality determinations have been made. Field inventory of hydrologic data has been completed. Preparation of the final report is underway.

Cooperating Agency: Oklahoma Geological Survey

Title: DEGRADATION BY BRINE OF THE
CHEMICAL QUALITY OF THE WATER
RESOURCES OF PARTS OF CREEK,
LINCOLN, OKFUSKEE, PAYNE,
POTTAWATOMIE, AND SEMINOLE
COUNTIES, OKLAHOMA

Leader: Robert B. Morton

Number: OK 77-043



Purpose and Scope: To determine where and to what extent the surface and ground water resources have been degraded by salt water in the Vamoosa aquifer of central Oklahoma. The location of the degradation occurs in areas of oil field activities and existing water-quality data suggest that the salt water from these activities is the cause of degradation.

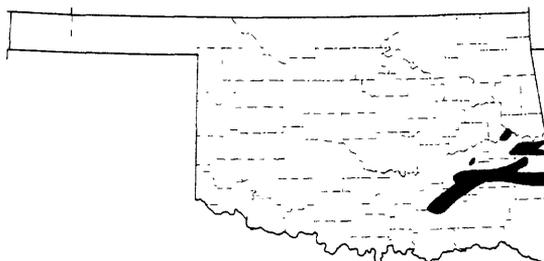
Progress: The study has been completed and a report describing the results of the study has been prepared. The report will be published by the Oklahoma Geological Survey.

Cooperating Agency: Oklahoma Geological Survey

Title: WATER RESOURCES MONITORING
IN THE EASTERN OKLAHOMA COAL
FIELDS

Leader: Robert L. Tortorelli

Number: OK 77-044

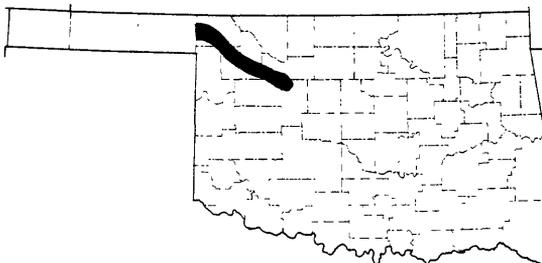


Purpose and Scope: To determine the regional hydrologic system and to document changes in the system that may occur as the result of coal strip-mining. Strip mining activities in the area may cause degradation of the surface and ground water by solution of minerals exposed by mining.

Progress: Collection of ground-water levels, streamflow and water quality data has been discontinued and analysis of this data has begun. Data collected over the life of the project has been published in the U.S. Geological Survey's Annual Water Resources Data for Oklahoma. A report describing the results of this study will be published in the Water Resources Investigation Series during the 1984 fiscal year.

Cooperating Agency: None.

Title: GEOHYDROLOGY AND NUMERICAL SIMULATION
OF THE ALLUVIAL AND TERRACE AQUIFER
ALONG THE BEAVER-NORTH CANADIAN RIVER
FROM THE PANHANDLE TO CANTON LAKE,
NORTHWESTERN OKLAHOMA



Leader: Robert E. Davis

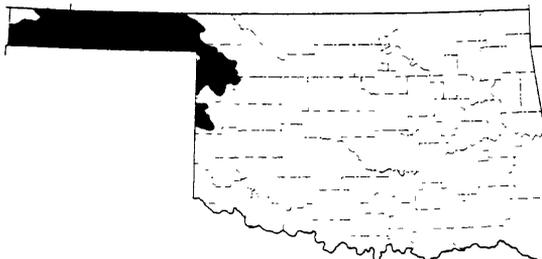
Number: OK 78-045

Purpose and Scope: To provide a quantitative description of the geohydrologic system which may be used for management and development of the alluvial and terrace aquifer of the North Canadian River in northwestern Oklahoma. Demand for water in this area is rapidly increasing due to irrigation, population growth, and economic expansion. A two-dimensional finite-difference model was used to evaluate aquifer characteristics and to make projections of the saturated thickness at future times.

Progress: The study has been completed and a report has been published in U.S. Geological Survey Open-File Report 81-483 (see list of publications).

Cooperating Agency: Oklahoma Water Resources Board

Title: GEOHYDROLOGY AND NUMERICAL SIMULATION
OF THE HIGH PLAINS REGIONAL AQUIFER,
NORTHWESTERN OKLAHOMA



Leader: John S. Havens

Number: OK 78-046

Purpose and Scope: To determine Oklahoma's part of an eight-state regional evaluation of the Ogallala aquifer. The aquifer also underlies Colorado, Kansas, Nebraska, New Mexico, South Dakota, Texas, and Wyoming. In Oklahoma the aquifer is estimated to contain about 122 million acre-feet of water in storage. Discharge from the aquifer now exceeds recharge and an estimated 30 percent of the aquifer may be dewatered within 40 years if withdrawal remains constant at the 1980 rate.

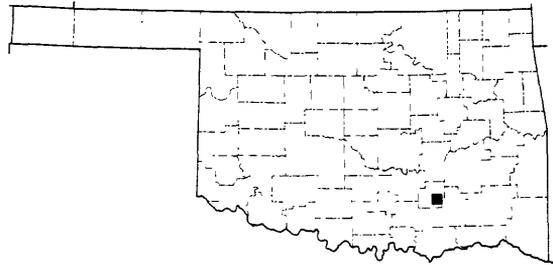
Progress: A digital model of the Oklahoma part of the Ogallala aquifer was developed and hydrologic stresses were applied to predict ground-water trends. Maps of the aquifer base, predevelopment water table, 1980 water table, 1980 saturated thickness, and predevelopment to 1980 water-level changes have been published in U.S. Geological Survey's Water Resources Investigation (WRI) Open-File Reports (see list of publications). A final report has been completed and is awaiting publication in the WRI Series.

Cooperating Agency: None.

Title: HYDROLOGIC MODELING OF COAL CREEK BASIN NEAR LEHIGH, OKLAHOMA

Leader: Stephen P. Blumer

Number: OK 78-049



Purpose and Scope: To predict and evaluate by watershed modeling the effects of strip-mining and subsequent land reclamation on the water resources of the Coal Creek basin near Lehigh in eastern Oklahoma.

Progress: A wide variety of hydrologic data were collected on Coal Creek basin during water years 1978-81 and an open file data report has been prepared (see list of publications). This data is being applied to the U.S. Geological Survey "Precipitation-Runoff-Modeling-System" (PRMS) to evaluate the probable effects of coal surface mining. PRMS will be used to evaluate the impacts of various combinations of precipitation, climate, and land use on streamflow, sediment yield, and general basin hydrology. The transferability of the model, is currently under evaluation.

Cooperating Agency: U.S. Bureau of Land Management

Title: SUITABILITY OF OKLAHOMA'S SURFACE WATERS FOR PUBLIC SUPPLY AND IRRIGATION

Leader: Jerry D. Stoner

Number: OK 80-050



Purpose and Scope: To analyze current and historic surface-water-quality data available in the U.S. Geological Survey's Water Data Storage and Retrieval System (WATSTORE) with respect to public supply and irrigation use.

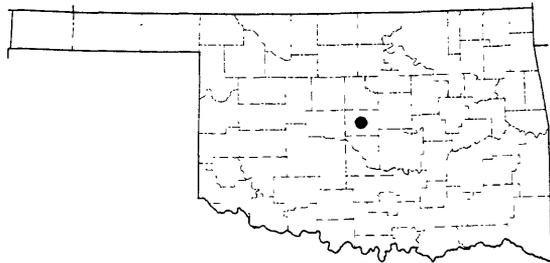
Progress: A series of five reports have been completed covering the following river basins: 1) the Arkansas River mainstem, the Neosho River, the Verdigris, and Illinois River, 2) Salt Fork Arkansas River and Cimarron River, 3) Canadian River, North Canadian River, and Deep Fork River, 4) Red River mainstem and North Fork Red River and 5) Washita River. All reports are published in the U.S. Geological Survey Water-Resources Investigation series (see list of publications).

Cooperating Agency: Oklahoma Water Resources Board

Title: URBAN FLOOD ANALYSIS IN
OKLAHOMA CITY, OKLAHOMA

Leader: Robert L. Tortorelli

Number: OK 79-053



Purpose and Scope: To estimate future flood hazard as a result of urban development for the Oklahoma City area. Information from a previous flood insurance study of the area (see project OK 75-006) was used in this analysis. Techniques are described for estimating future urban runoff and a method of developing stream cross-section rating curves is explained. The rating curves are used to develop an estimate of the 50- and 100-year flood profiles which would result from future urban development.

Progress: The study has been completed and the results are published in U.S. Geological Survey Open-File Report 83-26, (see list of publications).

Cooperating Agency: City of Oklahoma City, Oklahoma

Title: ANALYSIS OF THE EFFECTS OF
FLOOD CONTROL STRUCTURES
ON FLOOD DISCHARGE

Leader: Robert L. Tortorelli

Project Number: OK 80-054



Purpose and Scope: To analyze the effects of floodwater retarding structures on flood runoff from Oklahoma watersheds. Flood peak discharge data are analyzed for unregulated basins and compared with peak discharge data from basins with flood control structures to determine the effects of flood control on peak discharge. Various basin runoff parameters which reflect the amount of flood control in the basin are related to changes in peak discharge and analyzed statistically. Equations describing the relation between flood peak changes and basin floodwater retarding structures are expressed in a format that can be used as a guide for planning and design of controlled basins.

Progress: The analysis has been completed and a report describing the results of the study has been prepared. The report is in review and will be published in the U.S. Geological Survey Water Resources Investigation (WRI) Series. A preliminary report summarizing rainfall-runoff data and basin characteristics of 45 small basins and identifying small drainage basins regulated by floodwater retarding structures was published as U.S. Geological Survey Open-File Report 81-824 (see list of publications).

Cooperating Agency: Oklahoma State Department of Transportation

Title: COMPILATION OF SEDIMENT RECORDS FOR MID-ARKANSAS RIVER AND UPPER RED RIVER BASINS THROUGH 1980

Leader: Stephen P. Blumer

Number: OK 80-055



Purpose and Scope: To compile existing sediment data that have been collected in the mid-Arkansas River and the Upper Red River basins in Oklahoma and adjacent states. The compilation will provide base-line sediment data for future hydrologic investigations. Projected uses of the data include derivation of regional prediction equations and sediment yield curves.

Progress: The report has been completed and is published in Open-File Report 83-692 (see list of publications). This report presents tables and plots of all available suspended-sediment data collected between 1930 and 1980 for 279 sites. The report also outlines an efficient means of accessing this large amount of sediment data through the U.S. Geological Survey WATSTORE system.

Cooperating Agency: U.S. Corps of Engineers, Tulsa District

Title: NUMERICAL SIMULATION OF THE ALLUVIAL AND TERRACE AQUIFER ALONG THE NORTH CANADIAN RIVER FROM CANTON LAKE TO LAKE OVERHOLSER, CENTRAL OKLAHOMA

Leader: Scott C. Christenson

Number: OK 80-056



Purpose and Scope: To evaluate by two-dimensional digital modeling groundwater movement and future saturated thickness in the alluvium and terrace deposits along the North Canadian River. The aquifer is used extensively for irrigation, municipal, stock, and domestic supplies and quantitative knowledge of its hydrologic system is necessary for proper management of this resource.

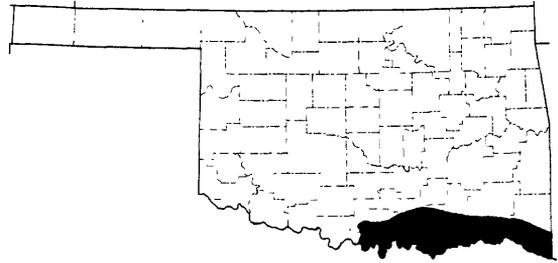
Progress: The study has been completed and is published in U.S. Geological Survey Water Resources Investigation No. 83-4076.

Cooperating Agency: Oklahoma Water Resources Board

Title: DIGITAL MODEL OF THE ANTLERS
AQUIFER, SOUTHEASTERN OKLAHOMA

Leader: Robert B. Morton

Number: OK 80-057



Purpose and Scope: To provide water managers and users a quantitative description of the Antlers aquifer. This aquifer underlies an area of 4,400 square miles and contains an estimated 70 million acre-feet of water having less than 1,000 milligrams per liter dissolved solids. A digital model has been used to evaluate the aquifer characteristics and to predict the effect of future withdrawals from the aquifer.

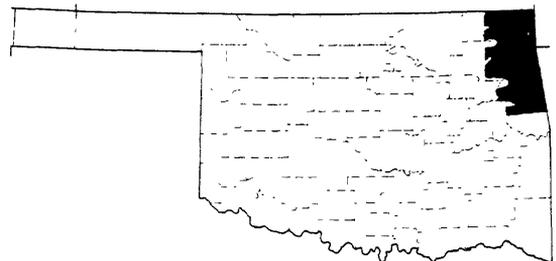
Progress: A steady-state simulation of the 1968-70 ground water levels has been completed and various pumping rates have been applied to the digital model to evaluate potential stress on the aquifer. Also completed is a sensitivity analysis of aquifer recharge and of the hydraulic conductivity for the aquifer and the overlying beds. A report describing the results of the study is being prepared.

Cooperating Agency: Oklahoma Geological Survey

Title: GEOHYDROLOGY OF THE
ROUBIDOUX AQUIFER,
NORTHEASTERN OKLAHOMA

Leader: Roy W. Fairchild

Number: OK 80-058



Purpose and Scope: To appraise the quantity and quality of the water resources available from the Roubidoux aquifer for municipal and industrial use. The Roubidoux aquifer occurs at depths between 500 and 1,500 feet within a 4,500 square mile area and ranges in thickness from 100 to 200 feet. Determinations will be made of the hydraulic and chemical characteristics of the aquifer and the potential of vertical leakage of toxic water from abandoned zinc mines overlying the aquifer.

Progress: All field data-collection has been completed. Numerous deep wells tapping the Roubidoux aquifer have been inventoried and the water quality characteristics for many of the wells has been evaluated. The final report is in preparation.

Cooperating Agency: Oklahoma Geological Survey

Title: HYDROLOGIC IMPACTS OF
RECLAIMING ORPHAN COAL-MINE
LANDS, EASTERN OKLAHOMA

Leader: Larry J. Slack

Project Number: OK 80-059



Purpose and Scope: To determine the water quality of the surface and ground waters in an abandoned coal-mined area and to predict water quality changes which would be caused by reclaiming the area more than 15 years after mining activities have ceased.

Progress: Surface water, ground water, and water quality data have been collected in an area near McCurtain in Haskell County, which was surface-mined during 1967 and 1968 and then abandoned. An interpretive report describing the results of the study has been prepared (see list of publications).

Cooperating Agency: None

Title: CENTRAL MIDWEST REGIONAL
AQUIFER SYSTEMS ANALYSIS
(CM RASA)

Leader: Scott C. Christenson

Number: OK 81-062



Purpose and Scope: To quantify knowledge of the flow systems of the deep formations in the Oklahoma section of the Central Midwest Regional Aquifer Systems Analysis. The Oklahoma study includes all formations north of the Choctaw Fault and the Wichita Uplift. Special emphasis will be placed on a study of the fresh- water/salt-water interface in the Ozark region of eastern Oklahoma and western Arkansas.

Progress: Large computerized data bases, containing information about the geology, chemistry, and hydraulics of the deep formations, have been assembled. A preliminary analysis of available data has been made and maps describing the subsurface geology and potentiometric water level are currently being prepared. A more detailed analysis of the data will be begun later in 1983.

Cooperating Agency: None

Title: SURFACE WATER DAILY FLOW DURATION

Leader: Leland D. Hauth

Number: OK 82-064



Purpose and Scope: To determine flow duration on a daily basis for all streams in Oklahoma with 9 or more years of data. The effects that floodwater retarding structures and reservoirs have on the duration of streamflow will also be analyzed to assist future water management where streamflow may be controlled. Flow duration data for each day of the year will be computed and plotted in hydrograph form. Effects of regulation will be evaluated by relating unregulated to regulated flow duration data.

Progress: Flow duration hydrographs for both regulated and unregulated streams have been completed. Correlations are being made to determine affects of floodwater retarding structures on flow duration.

Cooperating Agency: Oklahoma Water Resources Board

Title: GEOHYDROLOGY OF THE ALLUVIUM AND TERRACE AQUIFER OF THE NORTH CANADIAN RIVER FROM OKLAHOMA CITY TO LAKE EUFAULA, CENTRAL OKLAHOMA

Leader: John S. Havens

Number: OK 82-065



Purpose and Scope: To describe the geohydrologic system and provide hydrologic information which may be used for management and development of the alluvium and terrace aquifer of the North Canadian River. The demand for water in the study area, which includes approximately 1700 square miles from Lake Overholser to Lake Eufaula, is expected to increase due to irrigation, population growth, and economic expansion. A two-dimensional finite-difference model will be used to evaluate aquifer characteristics and make projections of the future saturated thickness for selected pumping rates.

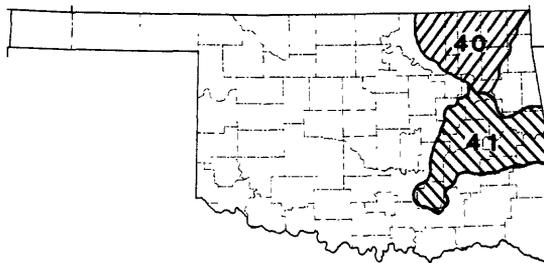
Progress: All existing wells have been inventoried. Forty-nine test holes were augered and 38 were finished as monthly observation wells. A potentiometric map and base-of-aquifer map are being prepared.

Cooperating Agency: Oklahoma Water Resources Board

Title: HYDROLOGY OF COAL AREAS 40
AND 41 IN OKLAHOMA

Leader: Melvin V. Marcher

Number: OK 82-066



Purpose and Scope: To describe in summary form existing hydrologic conditions and identify sources of hydrologic information for those parts of the Western Region of the Interior Coal Province, in Oklahoma, Kansas, Missouri, Iowa, and Arkansas. The project will provide information about the geology, soils, land use, climate, water use, and special hydrologic studies related to coal hydrology.

Progress: The final report for Area 40 has been completed and is awaiting publication in U.S. Geological Survey Water Resources Investigation No. 83-266 (see list of publications). The report for Area 41 is in preparation and will be completed by the end of 1983.

Cooperating Agency: None

Title: RECONNAISSANCE OF WATER
RESOURCES OF 2-DEGREE
QUADRANGLES

Leader: Melvin V. Marcher

Number: Several



Purpose and Scope: To determine the availability and quality of water, with emphasis on ground water, and to define areas of present or potential water problems in the areas outlined by nine 2-degree sheets (excluding the Panhandle) in Oklahoma. . These investigations also provide a basis for selecting aquifers requiring additional studies in order to determine their potential as significant sources of ground water.

Progress: All quadrangle studies have been completed and the location and name of each quadrangle report is shown in figure 8. Each report is published as a Hydrologic Atlas (see list of publications).

Cooperating Agency: Oklahoma Geological Survey

Title: A METHOD OF EVALUATING THE SEVERITY OF DROUGHT IN OKLAHOMA

Leader: Ronald L. Hanson

Project Number: OK 83-067



Purpose and Scope: To evaluate the potential severity of a drought based on the seasonal base flow characteristics of selected unregulated streams in Oklahoma. Determinations include the frequency of occurrence of monthly base flow, seasonal assured base flow recession curves, and probabilities that monthly base flow will exceed projected assured base flow. The base flow characteristics for selected index streams throughout the state will be evaluated and used to describe the regional status of a possible existing or potential drought in Oklahoma.

Progress: The evaluation of base flow characteristics has been completed for the Blue River in south-central Oklahoma and Clear Creek in the Panhandle of Oklahoma. Similar evaluations are planned for about four other streams in the state to provide a state-wide measure of drought conditions.

Cooperating Agency: Oklahoma Water Resources Board

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TABLE 1 -- ALPHABETICAL LISTING OF CURRENT AND HISTORICAL GAGING STATIONS MAINTAINED BY THE
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SYMBOLS DEFINED ON LAST PAGE OF REPORT

STATION NUMBER	STATION NAME	TYPE OF DATA	Q.W. OF METERS	STAGE PARA-SOURCE	DRAINAGE AREA (SQ. MI.)	PERIOD OF RECORD
07243550	ADAMS CK NR BEGGS	CSR		HG	5.90	1965-
07242160	ALABAMA CK NR WEELETKA	CS		JG	16.50	1965-
07302510	ALTUS CANAL BLW LAKE ALTUS NR ALTUS	OWP				1952,55-57
07232650	AQUA FRIO CK NR FELT	CSR			31.	1964-75
07231280	ARBECA CK NR ALLEN	CS			2.26	1964-74
07146500	ARKANSAS R AT ARKANSAS CITY, KS	OWD CNP		BDT W	43713.	1952-
		OWMP CNP				1972-75
07165520	ARKANSAS R AT BIXBY	OWD CP				1949
07250550	ARKANSAS R AT DAM 13 NR VAN BUREN, AR	OWMP CNP				1976-77
07148128	ARKANSAS R AT KAW CITY	QWD CNP			8670.	1949-51
07165610	ARKANSAS R AT MUSKOGEE	DWP CP				1957,62,63
07152500	ARKANSAS R AT RALSTON	STR		OBS C	54465.	1925-
		QWH BCNP		CA		1950-63,65-
		OWMP CNP				1973-79
		SED S		CA		***1973-
07164400	ARKANSAS R AT SAND SPRGS BR NR TULSA	OWMP CNP			74615.	1976-77
		QWH BCNPS				1946-77
		SED S				1974-77
07164500	ARKANSAS R AT TULSA	QWH BCNPS		CA	74615.	1960-61,77-
		STRP		TMK CA		1925-
		QWMP CNP				1977
		SED		A		1977-
07250500	ARKANSAS R AT VAN BUREN, AR	OWMP CNP			150483.	1973-75
		QWP CP				1960-61
07194551	ARKANSAS R AT WEBBERS FALLS	OWD CP			97049.	1949,57-63
07194550	ARKANSAS R AT WEBBERS FALLS L&D	OWMP CNP				1973-75
07165570	ARKANSAS R NR HASKELL	OWMP CNP			75473.	1974-79
		OWP BCNP				1974-75
		STRP		DAR C		1972-
		SED				1974-75
07164700	ARKANSAS R NR JENKS	OWMP CNP				1973-74
07194500	ARKANSAS R NR MUSKOGEE	OWMP CNP			96674.	1973-79
		QWP CP				1957,1963
		STR		BDT		1926-70
07148140	ARKANSAS R NR PONCA CITY	STR		C	46530.	1977-
		OWMP CNP				1978-79
		SED S		C		1978-
07246500	ARKANSAS R NR SALLISAW	QWD CP			147757.	1957,1959-1963
		STRP				1948-70
07165600	ARKANSAS R NR TULLAHASSEE	STR			75815.	1971-72
07324500	BARNITZ CK NR ARAPAHO	QWP CP			243.	1952,55
		STR				1943-64
07196900	BARON FORK AT DUTCH MILLS, AR	OWP C			43.	1959-61
07197000	BARON FORK AT ELDON	OWMP CNP			307.	1975-79
		QWP CP				1958-60
		STR		BDT CJG		1948-
07194512	BAYOU MANARD NR FT GIBSON	QWP CP				1961
07300150	BEAR CK NR VINSON	CSR		HG	7.24	1964-

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07232400	BEAVER (SAND) CK NR TEXHOMA	LF			217.	1967-71
07152380	BEAVER CK (E BR) NR GRAINOLA	QWP	CP			1950
07148126	BEAVER CK NR KAW CITY	QWP	COP			1950,54-55
07312750	BEAVER CK NR LAWTON	QWP	CP			1948,61
07313702	BEAVER CK NR RYAN	QWP	CP			1960-61
07313500	BEAVER CK NR WAURIKA	QWMP	CNP		563.	1975-79
		QWP	CP			1953-66
07234000	BEAVER R AT BEAVER	STR		OBS C		1953-
		SED	S	A		1974-
		QWMP	CNP			1973-77
		QWD	BCNPS	JGA		1952,58-59,62-
		STR		OBS C	7955.	1937-
07232245	BEAVER R AT FELT	QWMP	CNP		850.	1977
		CS			879.	1972-79
07232250	BEAVER R NR FELT	CS			879.	1972-79
07234500	BEAVER R NR FORT SUPPLY	STGU			9615.	*1937-51,51-79
07232500	BEAVER R NR GUYMON	STR		DAR C	2139.	1937-
		SED	S	C		1975-
		QWMP	CNP			1973-77
		QWD	BCNPS			1952,54-63,68-79
07233210	BEAVER R NR HARDESTY	SED	S	C	4770.	1978-
		STR		C		1978-
07232630	BEAVER R NR HOOKER	QWMP	CNP		3017.	1977
		QWP	CP			1972-73,75-79
07232610	BEAVER R NR OPTIMA	QWP	CP			1972-73
07242500	BELLCOW CK AT CHANDLER	STR			46.	1948-55
		QWP	CP			1949-54
07237800	BENT CK NR SEILING	QWP	CP		139.	1956
		CS		JG		*1966-70,71-
07246630	BIG BLACK FOX CK NR LONG	CS			5.32	1964-79
07337220	BIG BRANCH NR RINGOLD	CS			1.99	1964-74
07191000	BIG CABIN CK NR BIG CABIN	QWMP	CNP		466.	1975-77
		QWP	CP			1951-60,64-71
		STR		LG		1947-
07190600	BIG CABIN CK NR PYRAMID CORNERS	CS		JG	71.1	1963-72**,73-79
07190650	BIG CABIN CK NR VINITA	QWP	CP			1949-51
07190595	BIG CABIN CK NR WELCH	SED			28.1	1980-83
		PR				1980-83
		QWMP	CPS			1980-83
07190597	BIG CABIN CK TRIB NR WELCH	SED				1980-83
		PR				1980-83
		QWMP	CPS			1980-83
07171220	BIG CK NR NOWATA	QWP	CP			1952-53,59
07328030	BIG DRY CK NR ALEX	CS			7.57	1961-74
07178650	BILLY CK TRIB NR WAGONER	CS			5.71	1966-72
07176465	BIRCH CK BLW BIRCH LAKE NR BARNSDALL	STRP			66.	1978-
07176455	BIRCH CK NR BARNSDALL	QWP	CP			1965-66
07176460	BIRCH LAKE NR BARNSDALL	RESP		C	66.	1977-

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07176500	BIRD CK AT AVANT	OWMP	CNP		364.	1973-79
		OWP	CP			1965-66
		STRP		DAR C		1945-
07178400	BIRD CK AT CATOOSA	OWMP	CNP			1978-79
07176350	BIRD CK NR BARNSDALL	OWP	CP			1949-53
07178050	BIRD CK NR CATOOSA	OWMP	CNP		1080.	1975-79
		OWP	CP	BDT JG		1965-
07178000	BIRD CK NR OWASSO	OWP	CP		1022.	1948-53
		STR				1936-39
07176320	BIRD CK NR PAWHUSKA	OWP	CP			1952-53
07176910	BIRD CK NR SKIATOOK	OWP	CP			1948-53
07177500	BIRD CK NR SPERRY	QWMP	CNP		905.	1976-77
		QWD	CP			1952-53, **, 64-76
		STRP		TMK C		1938-
07299705	BITTER CK NR HOLLIS	CS			11.30	1964-72
07153000	BLACK BEAR CK AT PAWNEE	STR		C	576.	1944-
		OWP	CP			1952-53, 56-59, 61-71
		OWMP	CNP			1978-79
		SED	S	C		1978-
07152950	BLACK BEAR CK NR MORRISON	OWP	CP			1951, 58-59
07152590	BLACK BEAR CK NR PERRY	OWP	CP			1950, 58-59
07152520	BLACK BEAR CK TRIB NR GARBER	CS			0.97	1964-75
		OWP	CP			1958-59
07230708	BLACKSMITH CK NR PEARSON	OWP	CP			1961
07311200	BLUE BEAVER CK NR CACHE	OWP	CNP	A		1965-
		STR		A	24.60	1964-
07232010	BLUE CK NR BLOCKER	SED	S			1976-81
		OWP	CNP			1976-82
		STR			12.10	1976-82
07232008	BLUE CK TRIB A NR BLOCKER	SED	S			1978-81
		OWP	CNP			1978-81
		PR			4.67	1978-81
07232009	BLUE CK TRIB B NR BLOCKER	SED	S			1976-78
		OWP	CNP			1976-78
		PR			0.22	1976-78
07332450	BLUE R AT ARMSTRONG	OWMP	CNP		224.	1977
07332350	BLUE R AT CONNERVILLE	OWP	CP			1951-57, 62
07332400	BLUE R AT MILBURN	OWP	CP			1956-60
		STR		JG	203.	1965-
07332500	BLUE R NR BLUE	OWMP	CNP			1973-79
		QWD	CP			1951-58, 60-63
		STRP		C	476.	1936-
07332390	BLUE R NR CONNERVILLE	STR			162.	1977-79
07159500	BLUFF CK ABV LAKE HEFNER NR OKC	STR			1.62	1950-58
07159450	BLUFF CK AT OKC	CS		HG	1.64	1974-
07157940	BLUFF CK NR BUTTERMILK, KS	STR			657.	1973-79
		QWH	CP			1973-79

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07160315	BOGGY CK ABV SEWAGE TRET PLNT, ENID	QWP	BCNP			1975
07160300	BOGGY CK AT 30TH ST, ENID	QWD	BCNP			1975
		STR			35.80	1975
07160280	BOGGY CK AT ENID AVE, ENID	STR			20.80	1975
		QWP	BCNP			1975
07160320	BOGGY CK BLW SEWAGE TRET PLNT, ENID	QWP	BCNP			1975
07160310	BOGGY CK TRIB AT GARRIOTT RD, ENID	QWP	BCNP			1975
07152250	BOIS D'ARC CK NR PONCA CITY	QWP	CP		100.	1953,58-63
		LF				1965-73
07336785	BOKCHITO CK NR GARVIN	CSR			2.96	1965-75
07335320	BOKCHITO CK NR SOPER	CS			16.60	1965-75
07249073	BRAZIL CK NR LODI	STR				1978-81
07249200	BRAZIL CK NR PANAMA	QWP	CP			1960-61
07249060	BRAZIL CK NR RED OAK	SED	S			1978-81
		QWP	CNP			1978-81
		PR			2.74	1978-81
07249080	BRAZIL CK NR WALLS	SED	S			1978-81
		STR		OBS	69.10	1978-81
		QWP	CNP			1978-81
07316140	BRIER CK NR POWELL	CSR		HG	12.	1965-
07241220	BROCK CK AT SW59, OKC	CSR			2.26	1976-81
07338900	BROKEN BOW LAKE NR BROKEN BOW	RESP		RES C	754.	1968-
07244790	BROOKEN CK NR ENTERPRISE	CS			5.66	1964-71
07231975	BRUSHY CK NR HAILEYVILLE	SED	S			1978-81
		QWP				1978-82
		STRP			139.	1978-82
07191260	BRUSHY CK NR JAY	CS			16.	1965-72
07335900	BUCK CK NR MOYERS	QWP	CP		100.	1956-57,60
07157960	BUFFALO CK NR LOVEDALE	STR		JG	408.	1966-
		OWH	CP			1974-79
		OWMP	CNP			1975-79
		SED	S			1978-79
07178640	BULL CK NR INOLA	CS			10.70	1965-75
07331401	BUTCHER PEN CK NR TISHOMINGO	QWP	CP			1961
07331410	BUZZARD CK NR REAGAN	CS			4.30	1965-75
07334200	BYRDS MILL SPNG NR FITTSTOWN	QWP				1953,55-56
		STR		RG		1959-
07246600	CACHE CK NR COWLINGTON	CS			20.60	1964-72
		QWP	CP			1959-61
07330500	CADDO CK NR ARDMORE	QWP	CP			1950-51,58
		STR			298.	1936-50
07171080	CALIFORNIA CK NR NOWATA	QWP	CP			1952-53,59
07228500	CANADIAN R AT BRIDGEPORT	SED	S	B		1978-
		OWMP	CNP			1973-79
		QWD	CNP			1949-61,64,70-
		STR		OBS B	25229.	1944-64,69-

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07231500	CANADIAN R AT CALVIN	SED	S	CA			1975-
		OWMP	CNP				1973-77
		OWD	BCNPS	JGA			1950-53,60-61,65-
		STR		ORS C	27952.		**1905-06,44-
07239650	CANADIAN R AT CEMETARY RD NR YUKON						
07229050	CANADIAN R AT NORMAN	OWP	CP				1958
07229200	CANADIAN R AT PURCELL	SED		C			1979-
		OWMP	CNP				1975-79
		QWD	CNP				1952,*,60-63,74-75
		STR		OBS C	25939.		1960-61,79-83
07228250	CANADIAN R AT TALOGA	OWP	C				1953
07228000	CANADIAN R NR CANADIAN, TX	OWMP	CNP		22866.		1973-77
07228160	CANADIAN R NR CHEYENNE	OWMP	CP				1950-51
07229000	CANADIAN R NR NEWCASTLE	STR			25763.		1939-45
07229100	CANADIAN R NR NOBLE	SED	S				1976
		OWMP	CNP				1973-75
		QWD	CNP				1965-71,73-74
		STR			25911.		1960-61,63-75
07228200	CANADIAN R NR ROLL	OWMP	CNP				1976-77
		OWP	CP		23615.		1950-53,62-63
07228300	CANADIAN R NR THOMAS	OWP	CP				1952-53,61-63
07228700	CANADIAN R NR UNION CITY	OWP	CNP				1952-53,73
07245000	CANADIAN R NR WHITEFIELD	OWMP	CNP				1973-77
		STRP		OBS CA	47576.		1938-
		OWD	BCNPS	JGA			1947-64,67-
		SED	S	A			1975-
07228960	CANADIAN R TRIB NR NEWCASTLE	CS			3.32		1965-75
07176525	CANDY CK NR AVANT	OWP	CP				1952,65-66
07176800	CANDY CK NR WOLCO	STRP		C	30.60		1969-
07165581	CANE CK NR JAMESVILLE	OWP	CP				1960-61
07332800	CANEY BOGGY CK NR ASHLAND	OWD	CNP		49.		1972-75
07174000	CANEY CK NR COPAN	STRP			424.		1944-58
07174500	CANEY R AT BARTLESVILLE	OWP	CP				1952-53,67-68
		STRP			1465.		1950-56
07172470	CANEY R NR BOULANGERVILLE	OWP	CP				1952-53
07175550	CANEY R NR COLLINSVILLE	OWP	CP				1949-53,59
07172000	CANEY R NR ELGIN, KS	OWMP	CNP		445.		1973-75
07173000	CANEY R NR HULAH	OWMP	CNP				1975-79
		OWP	CP				1952-53,**,60,63-64
		STRP		C	736.		1937-
07174700	CANEY R NR OCHELATA	OWP	CP				1960-61
		STRP			1753.		1956-76
		OWMP	CNP				1973-75
07175500	CANEY R NR RAMONA	OWMP	CNP				1975-79
		STRP		OBS C	1955.		1945-
		OWD	CP	JG			1952-53,**65-
07238500	CANTON LAKE NR CANTON	OWP	CNP	JG			**1949-50,68-
		RES		RES C	12483.		1948-
07309480	CANYON CK NR MEDICINE PARK	CS			3.35		1965-75

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07228600	CANYON VIEW CK NR GEARY	CS			11.80	1964-72
07154400	CARRIZOZO CK NR KENTON	CS			111.	1953-70
07248600	CASTON CK AT WISTER	STRP			72.90	1978-82
		OWP				1978-82
		SED				1978-81
07333500	CHICKASAW CK NR STRINGTOWN	OWP	CP			1955-58,60
		CS			32.70	*1955-68,69-75
07333330	CHICKASAW CK TRIB NR STRINGTOWN	CS			3.19	1965-72
07329772	CHIGLEY SANDY CK NR DAVIS	OWP	CP			1955,61
07151903	CHIKASKIA R BLW BRAMAN LAKE NR BRAMAN	OWP	CP			1958,59,62
07152000	CHIKASKIA R NR BLACKWELL	STR		OBS JG	1859.	1935-
		OWP	CP			1952-63
		OWMP	CNP			1975-79
07151900	CHIKASKIA R NR BRAMAN	OWMP	CNP		1510.	1977
07151550	CHIKASKIA R NR DRURY, KS	OWP	C			1960-61
07152050	CHIKASKIA R NR TONKAWA	OWP	CP			1948,51,53,58-63
07159680	CHISHOLM CK AT VILLAGE DR, OKC	CSR		F	1.22	1976-78
07332470	CHUCKWA CK NR DURANT	OWP	CP			1953
07155000	CIMARRON R ABV UTE CK NR BOISE CITY	STR			1955.	1905-07,43-54
07164000	CIMARRON R AT MANNFORD	STR			18849.	1939-50,59-63
		OWP	CP			1950-52,60-63
07163500	CIMARRON R AT OILTON	OWP	CP			1944
		CS			18669.	1964-75
		STR				1934-45
07161000	CIMARRON R AT PERKINS	STR		OBS A	17852.	1939-
		OWH	BCNPS	CA		1950,53-63,65
		OWMP	CNP			1973-77
		SED	S	CA		***1973-
07155500	CIMARRON R NR BOISE CITY	STR			2214.	1939-42
07157950	CIMARRON R NR BUFFALO	STR		OBS A	12004.	1960-
		OWD	BCNPS	JGA		1953,60-63,68-
		OWMP	CNP			1973-77
		SED	S	A		***1973-
07157740	CIMARRON R NR BUTTERMILK, KS	STR			11120.	1973-79
		QWH	CP			1973-79
07159400	CIMARRON R NR CRESCENT	STR			16453.	1970-72
		OWP	CP			1953
07159100	CIMARRON R NR DOVER	STR		OBS C	15713.	1973-
		OWH	CP			1951,53,74-79
		OWMP	CNP			1975-79
07157580	CIMARRON R NR ENGLEWOOD, KS	STR		G	10096.	1982-
		OWP		G		1982-
07156900	CIMARRON R NR FORGAN, KS	STR		JG	8536.	1965-
07157980	CIMARRON R NR FREEDOM	STR		C	12706.	1973-
		OWH	CP	C		1953,74-
		OWMP	CNP			1976-77

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07160000	CIMARRON R NR GUTHRIE	SED	S			1976
		OWMP	CNP			1973-79
		OWD	CP			1949,53-63
		STR			16892.	1949,53-63,83-
07154500	CIMARRON R NR KENTON	STR		A	1106.	1950-
		OWP	CP			1952-63
		OWMP	CNP			1977
07157000	CIMARRON R NR MOCANE	PR			8670.	*1943-65,76-79
		OWP	CP			1947-49,52-64,76-79
07158000	CIMARRON R NR WAYNOKA	STR		OBS C	13334.	1937-
		QWH	CP			1951-63,68-79
		OWMP	CNP			1973-77
07158120	CIMARRON R TRIB NR ISABELLA	CS			0.62	1964-72
07158020	CIMARRON R TRIB NR LONE WOLF	CS			4.26	1964-75
07334800	CLEAR BOGGY CK AB CANEY CK NR CANEY	OWMP				1975-78
07335000	CLEAR BOGGY CK NR CANEY	OWMP	CNP			1975-79
		OWP	CP			1952-75
		STRP		C	720.	1942-
07334400	CLEAR BOGGY CK NR TUPELO	OWP	COP			1958,60,62
		LF			248.	1958-73
07334500	CLEAR BOGGY CK NR WAPANUCKA	STR			516.	1940-43
07234100	CLEAR CK NR ELMWOOD	OWP	CP			1952-53
		STR		JG	170.	1965-
07234300	CLEAR CK NR MAY	OWP	CP		109.	1954-58,60
07229601	CLEAR CK NR NORMAN	OWP	CP			1961
07234290	CLEAR CK TRIB NR CATESBY	CS		HG	8.51	1966-
07171120	CLEAR CK TRIB NR HOLLOW	CS		JG	2.19	1966-75,79-
07332900	COAL CK NR LEHIGH	SED	S			1978-81
		QWH	CNOPS	I		1977-
		STR		I	8.50	1978-
07232027	COAL CK NR MCALESTER	OWP	CP		196.	1960-61
07249419	COAL CK NR PANAMA	OWP	CNP			1976-79
		SED	S			1977-79
		CS		HG	6.67	1976-
07246615	COAL CK NR SPIRO	SED				1978-81
		QWH				1978-82
		STRP			18.10	1978-82
07249415	COAL CK TRIB NR BOKOSHE	PR			1.26	1976-78
		QWP	CNP			1976-78
		SED	S			1976-78
07325800	COBB CK NR EAKLY	STR		NG	132.	1968-
07326000	COBB CK NR FT COBB	STR		NG		1939-
		QWP	CP		313.	**1947-58,60,63
07155200	COLD SPRINGS CK NR CASTANEDA	LF			129.	1965-71
07155100	COLD SPRINGS CK NR WHEELLESS	CS		HG	11.	1964-
07233000	COLDWATER CK NR HARDESTY	OWP	CP			1952-63
		STR			1967.	1939-64
07228150	COMMISSION CK NR GRAND	LF			57.80	1965-66
07174510	COON CK NR DEWEY	OWP	CP			1952-53
07174300	COPAN LK NR COPAN	RESP		C		1983-

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07163020	CORRAL CK NR YALE	CS			2.89	1964-65
07174150	COTTON CK NR COPAN	OWP	CP			1952-53,67-68
07159805	COTTONWOOD CK AT GUTHRIE	PR		Y	370.	1889-1956
07159750	COTTONWOOD CK AT SEWARD	OWMP	CNP			1975-79
		QWD	CNP			1973-82
		STR			316.	1973-82
		SED	S			1978-82
07159800	COTTONWOOD CK NR GUTHRIE	OWP	CP			1952-61
		LF			366.	1952-73
07159720	COTTONWOOD CK NR NAVINA	QWD	COP			1978-
		STR		OBS	247.	1978-
		SED	S	B		1982-
07315680	COTTONWOOD CK TRIB NR LOCO	CS		HG	1.74	1964-
07237750	COTTONWOOD CK NR VICI	CS		HG	11.50	1964-
07163000	COUNCIL CK NR STILLWATER	STR		JG	31.	1934-
		SED		OBS		L1934-37
		QWP	CP			1944
07313600	COW CK AT WAURIKA	OWMP	CNP			1978-79
		QWP	CP			1960-63,67-70
		CS		JG	193.0	*1967-70,71-
07313533	COW CK NR COMANCHE	OWP	CP			1959,61
07165572	COWETA CK NR COWETA	OWP	CP			1961
07328173	CRINER CK NR CRINER	OWP	CP			1961
07328200	CRINER CK NR PAYNE	OWP	CP			1958-60
07157500	CROOKED CK NR NYE, KS	OWP	CP		1157.	1947,58-63
07241350	CROOKED OAK CK AT OKC	OWP				1973
07241508	CRUTCHO CK TR ON E RENO, MIDWST CITY	CSR			1.41	1976-81
07311420	DEADMAN CK TRIB AT MANITOU	CS			2.57	1965-72
07164940	DEEP CK NR OLIVE	CS			3.25	1967-72
07231102	DEEP CK NR SPAULDING	OWP	CP			1961
07242220	DEEP FK AT EASTERN, OKC	CSR			28.2	1975-81
07242217	DEEP FK AT PENNSYLVANIA AVE, OKC	OWP	C			1960-62
07242200	DEEP FK AT PORTLAND, OKC	CSR			2.98	1974-81
07242300	DEEP FK AT WITCHER	OWP	CP			1960-62
07242210	DEEP FK AT YOUNGS BLVD, OKC	OWP				1973
07242250	DEEP FK NR WITCHER	OWP				1973
07242350	DEEP FK NR ARCADIA	SED	S	C		1978-
		OWMP	CNP			1973-79
		QWP	CNPS	C		1970-
		STR		OBS C	105.	1969-
07243500	DEEP FK NR BEGGS	OWD	BCNPS	JGA		1952-
		SED	S	CA		1978-
		STR		OBS C	2018.	1938-
		OWMP	CNP			1973-79

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07242400	DEEP FK NR CHANDLER	QWP	CP			1960-62
07244000	DEEP FK NR DEWAR	STRP			2300.	1938-50
		QWD	CP			1949-51
07244200	DEEP FK NR PIERCE	QWP	CP		2548.	1960-63
07242215	DEEP FK TRIB AT BELLVIEW DR, OKC	QWP				1973
07242219	DEEP FK TRIB AT NW 50, OKC	CSR			2.65	1976-81
07242240	DEEP FK TRIB BLW NORTHEAST LK, OKC	QWP				1973
07242245	DEEP FK TRIB NR WITCHER	QWP				1973
07311500	DEEP RED RUN NR RANDLETT	QWMP	CNP			1975
		OWD	CP			**1948,69-70
		STR		JG	617.	1949-
07311505	DEEP RED RUN NR TAYLOR	QWMP	CNP			1976-79
		QWP	CP		1121.	1959
07228400	DEER CK AT HYDRO	QWP	CNP	B		1951-58,60-63,77-80
		STR		B	274.	1961-64,77-80
07232024	DEER CK NR MCALESTER	SED				1978-80
		QWP				1978-80
		STRP			38.30	1978-80
07303450	DEER CK NR PLAINVIEW	CSR			27.80	1964-77
07150900	DEER CK NR TONKAWA	LF			1500.	1965-73
		QWP	CP			1958-59,62
07228450	DEER CK TRIB NR HYDRO	CS			2.31	1964-75
07177520	DELAWARE CK NR SPERRY	QWP	CP			1952-53
07334440	DELAWARE CK NR WAPANUCKA	QWP	CP			1958,60
		STR			45.80	1958-73
07315880	DEMIJON CK NR WILSON	CS			5.74	1964-73
07198500	DIRTY CK NR WARNER	QWP	CP			1960-61
		STRP			227.	1940-46
					1.79	
07249190	DOE CK NR BOKOSHE			ZG		1979-
07178500	DOG CK NR CLAREMORE	PR				1954-55,**,67-69
07175000	DOUBLE CK SUBWTRSHD #5 NR RAMONA	QWP	CP			
		STRP			2.39	1955-69
07149411	DRIFTWOOD CK NR DRIFTWOOD	QWP	CP			1962
07313566	DRY CK NR COMANCHE	QWP	CP			1961
07243000	DRY CK NR KENDRICK	QWP	COP	0		**1955,70-73
		STR		AG	69.	1955-
07307000	DRY FORK OTTER CK NR MT PARK	STR			12.	1905-06
07174570	DRY HOLLOW NR PAWHUSKA	CS			1.67	1965-72
07152059	DUCK CK NR TONKAWA	QWP	CP			1953,62
07234130	DUCK POND CK NR CLEAR LAKE	LF			97.	1966-73
07327440	E BITTER CK NR TABLER	OWD	CP		35.6	1960-61,68-71
07322500	E BR SANDSTONE CK NR ELK CITY	QWP	CP			1958
		STR			23.	1951-72
07308890	E CACHE CK NR APACHE	QWP	C			1951
07309000	E CACHE CK NR ELGIN	OWD	CP			1956,58
		QWMP	CNP			1975-79
		STR			248.	1956-58
07311000	E CACHE CK NR WALTERS	QWMP	CNP			1975-79
		OWD	CP	UG		**1947-48,58-63,70-
		STR		UG	675.	1938-68,69-
07304403	E ELK CK NR ROCKY	QWP	CP			1961

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07245591	E POND OUTLET TO MULE CK NR MCCURTAIN	PR			A	1979-83
		QWP	CP		A	1979-83
07158105	EAGLE CHIEF CK AT CLEO SPRINGS	QWP	CP			1952-55
07158100	EAGLE CHIEF CK NR ALINE	LF			406.	**1953-55,61-73
		QWP	CP			1953-55,58-59
07158090	EAGLE CHIEF CK NR CARMEN	OWP	CP			1953-54
07229442	EAST ELM CK NR MOORE	OWP	CP			1960
07171105	EAST FORK BIG CK NR HOLLOW	OWMP	CPS		14.43	1980-83
		SED				1980-83
		PR				1980-83
07299725	ELDORADO SPRING NR ELDORADO	QWP	CP			1950
07304107	ELK CK NR ELK CITY	OWP	CP			1960
07304500	ELK CK NR HOBART	STR		OBS JG	549.	**1904-08,49-
		QWD	CP	R		**1949-,54-63,70-
		OWMP	CNP			1975-79
		OWMP	CNP			1973-77
		QWP	CP			1948-49,51-58,60-61
07189000	ELK R NR TIFF CITY, MO	STR			LG	872.
		CS				1939-
		CS				18.20
07152360	ELM CK NR FORAKER	OWP	CP			1964-75
07229441	ELM CK NR MOORE	OWP	CP			1960-61
07303395	ELM FK N FK RED R AT SALTON CROSSING	QWH	CP		411.	1960-61,73-79
07303500	ELM FK N FK RED R NR MANGUM	QWMP	CNP			1975-79
		QWH	CP			**1951,1968-76
		STR			838.	**1905-08,65-76
07303420	ELM FK N FK RED R NR REED	STR			579.	1978
		OWP	NP			1978
07303406	ELM FK N FK RED R NR VINSON	PR			C	428.
		OWP			C	1978-82
07303400	ELM FK N FORK RED R NR CARL	QWP	CP		C	1978-82
		SED	S			1960-63,68-82
		PR		OBS C	416.	*1959-79,80-82
		OWMP	CNP			1976-77
07244800	EUFULA LAKE NR BROOKEN	QWD	CP			1965-67
		RESP			C	47522.
		CS				1964-
07337920	FIFTEEN CK NR GLOVER	OWP	CP		1.23	1967-73
07328250	FINN CK NR PAYNE	OWP	CP			1961
07328300	FINN CK NR STORY	QWP	CP			1951-60
07303402	FISH CK NR VINSON	OWP				1978-79
		PR			31.50	1978-79
07242109	FISH CK NR WEWTUMKA	OWP	CP			1960
07155510	FLAGG SPRINGS CK TRIB NR BOISE CITY	CS			5.15	1965-72
07188140	FLINT BRANCH NR PEORIA	CS		HG	4.90	1964-
07196000	FLINT CK NR KANSAS	OWMP	CNP			1975-79
		STRP		JG	110.	1955-76
		QWP	CP			1955-61,63
07196010	FLINT CK TRIB NR FLINT	CS			0.94	1966-72
07193000	FORT GIBSON LAKE NR FORT GIBSON	RESP		RES C	12492.	1949-

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07236500	FORT SUPPLY LAKE NR FORT SUPPLY	QWP	CP			1949,50,53
		RES		RES	1735.	1942-
07324300	FOSS RESERVOIR NR FOSS	QWMP	CNP			1976-77
		QWP	CP	VG		1963-
		RESP		RES JG	1496.	1961-
07247500	FOURCHE MALINE NR RED OAK	QWMP	CNP	EG		1978-
		QWP	CP			1952,54,56-60,63
		STR		A1	122.	1938-
07247450	FOURCHE MALINE NR WILBURTON	QWH				1978-81
		STRP			56.20	1978-81
		SED	S			1978-81
07336520	FRAZIER CK NR OLETA	CS		HG	19.40	1964-
07325900	FORT COBB RESERVOIR NR FT COBB	QWP	CP			1960-62
		RESP		RES NG	304.	1959-
07232050	GAINES CK NR CANADIAN	QWP	CP			1960-62
07231955	GAINES CK NR HIGGINS	QWP				1978-80
		PR				1978-80
07232000	GAINES CK NR KREBS	QWP	CP			1946-47,50-51,60-62
		STRP			588.	1943-63
07305302	GLENN CK NR COLD SPRING	QWP	CP			1961
07337900	GLOVER CK NR GLOVER	QWMP	CNP			1975-79
		QWP	CP			1949,53,62-63
		STRP		DAR C	315.	1961-
		QWP	CP			1949
07337930	GLOVER R NR BROKEN BOW	LF			510.	1964-68
07232590	GOFF CK NR GUYMON	LF			470.	1968-71
07232580	GOFF CK NR HOUGH	STR		RES	28.	1974-76
07152290	GREASY CK NR WATCHORN	RES		RES C	3200.	1941-
07150000	GREAT SALT PLAINS LAKE NR JET	QWP	CP			1950-
		QWP	CP			1953-55
07194545	GREENLEAF CK NR BRAGGS	QWP	CP			1949,51,52
07194540	GREENLEAF LAKE NR BRAGGS	LF		JG	41.20	1972-
07148360	GREENWOOD CK NR WINCHESTER	QWP	CP			1962-63
07242090	GRIEF CK NR WETUMKA	QWP	CP			1961
07299770	GYP SUM CK NR CRETA	QWP	CP			1955-57
07299780	GYP SUM CK NR OLUSTEE	LF			107.	1954-57,65-73
07165000	HEYBURN LAKE NR HEYBURN	QWP	CP			1961
		RES		RES C	123.	1950-
07316070	HICKORY CK NR MARIETTA	LF			116.	1964-73
07229801	HOG CK NR STELLA	QWP	CP			1960-61
07174720	HOGSHOOTER CK TRIB NR BARTLESVILLE	CS		HG	0.94	1965-
07249422	HOLI-TUSKA CK NR PANAMA	SED	S			1978-81
		STRP			4.39	1978-81
		QWP				1978-81
07177410	HOMINY CK BLW SKIATOOK LK NR SKIATOOK	STRP		C		1983-
07176950	HOMINY CK NR HOMINY	QWP	CP			1950-53,56,65-66
07177000	HOMINY CK NR SKIATOOK	STRP		C	340.	1944-80
		QWP	CP			1948-53,65-66

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07177450	HOMINY CK NR SPERRY	OWP	CP			1952-53
07329870	HONEY CK NR DAVIS	CS			HG 18.70	1964- 1953,55-56
07329860	HONEY CK NR TURNER FALLS	OWP	CP			1949-51,54
07189700	HORSE CK AT AFTON	CS			HG 21.90	1966-
07306000	HORSE CK NR MT PARK	STR			11.10	1906
07189720	HORSE CK TRIB NR AFTON	CS			.81	1966-72
07163900	HOUSE CK NR TERLTON	OWP	CP		0.91	1953-55
07158140	HOYLE CK NR AMES	OWP	CP			1952-54
07172500	HULAH LAKE NR HULAH	RESP		RES C	732.	1950-
07198000	ILLINOIS R NR GORE	OWMP	CNP			1973-79
		STRP		C	1626.	1939***,48,52,54-
		OWP	CP		JG	1948-
07196500	ILLINOIS R NR TAHLEQUAH	OWP	CP			1960-61
		STR		DAR JG	959.	1935-
		SED	S	C		1976-
		OWMP	CNP			1975-79
07195500	ILLINOIS R NR WATTS	OWMP	CNP			1975-79
		STR		DAR C	635.	1955-
		OWP	CNP			1955-61,63,69-73
07196380	ILLINOIS R TRIB NR TAHLEQUAH	CS			3.83	1965-75
07301495	INDIAN CK NR CARTER	CS			24.90	1965-75
07237590	INDIAN CK NR WOODWARD	OWP	CP			1951-57
07332250	ISLAND BAYOU NR ALBANY	LF			132.	1965-73
07245040	JACKSON CK NR STIGLER	STR				1958
07249400	JAMES FORK NR HACKETT, AR	SED	S			1976-81
		OWP	CP	I		1960-61,76-
		STR		W	148.	1958-
07249410	JAMES FORK NR WILLIAMS	SED	S			1976-81
		PR			198.	1976-81
		OWP	CNP			1976-81
07229420	JULIAN CK TRIB NR ASHER	CS		HG	2.28	1964-
07148130	KAW LAKE NR PONCA CITY	RES		C	46530.	1977-
07153150	KEYSTONE LAKE NR CLEVELAND	OWP	CP			1966-74
07164200	KEYSTONE LAKE NR SAND SPRINGS	RESP		C	74506.	1964-
		OWP	CP			1965-75
		OWMP	COP			1973-75
07336200	KIAMICHI R NR ANTLERS	STRP		DAR C	1138.	1972-
		OWMP	CNP			1975-79
07336500	KIAMICHI R NR BELZONI	STRP			1423.	1926-71
		QWD	CP			1948-54,62-63
07335700	KIAMICHI R NR BIG CEDAR	OWP	BCNPRS	A		1966-
		SED	S	CA		1974-
		OWMP	CNP			1973-79
		STR		A	40.10	1965-
07335790	KIAMICHI R NR CLAYTON	OWMP	CNP		708.	1977

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07336700	KIAMICHI R NR SAWYER	QWMP	CNP			1978-79
		QWP	CP			1962
07335760	KIAMICHI R TRIB NR ALBION	CS			1.50	1965-72
07159200	KINGFISHER CK NR KINGFISHER	QWP	CP			1959
		CS		JG	157.	*1966-70,71-
07234200	KIOWA CK NR SLAPOUT	QWP	CP			1952-58,60
		LF			371.	1945,49-61,63-73
07234250	KIOWA CK TRIB NR LAVERNE	CS			2.14	1964-72
07302500	LAKE ALTUS AT LUGERT	QWP	CP			1949,50-52,55-57
		RES		RES TQG	2515.	1943-
07161500	LAKE CARL BLACKWELL NR STILLWATER	QWP	CP			1947,49,51,55
07325850	LAKE CK NR EAKLY	STR			52.	1969-78
07308990	LAKE ELLSWSORTH NR ELGIN	RESU		UG	249.	1964-
07240000	LAKE HEFNER CANAL NR OKC	STR		KG		1944-
07191400	LAKE HUDSON NR LOCUST GROVE	RESP		RES LG	11534.	1964-
07336600	LAKE HUGO NR HUGO	RESP		C		1974-
07309500	LAKE LAWTONKA NR LAWTON	RESU		RES UG	93.	1955-
07316100	LAKE MURRAY NR ARDMORE	QWP	CP			1949-53,56-57
07190000	LAKE O THE CHEROKEES AT LANGLEY	QWP	CP			1948-49
		RES		RES LG	10298.	1940-
07240500	LAKE OVERHOLSER NR OKC	RESP		RES KG	13221.	1937-
07241600	LAKE SHAWNEE NR SHAWNEE	RESU		D		1957-78
07331500	LAKE TEXOMA NR DENISON, TX	QWP	CP			1949-51
		RESP		RES C	39719.	1942-
07229900	LAKE THUNDERBIRD NR NORMAN	QWP	CP	JG		1965-
		RESP		RES HG	256.	1965-
07329880	LAWRENCE SPNG NR DRAKE	QWP	CP			1953(**52,NR SLPHR)
07334420	LEADER CK AT TUPELO	QWP	CP			1958,60
		LF			64.30	1958-73
07231320	LEADER CK TRIB NR ATWOOD	CS		HG	0.72	1964-
07299710	LEBOS CK NR ELDORADO	QWP	CP			1952-55,58,61-63
		STR			280.	1960-64
07249800	LEE CK NR SHORT	QWP	CP			1958-61
		QWMP	CNP			1976-77
07241250	LIGHTNING CK AT OKC	QWP				1973
07241230	LIGHTNING CK AT SW74, OKC	CS			3.96	1976-81
07171240	LIGHTNING CK NR ALLUWE	QWP	CP			1952-53,59
07313000	LITTLE BEAVER CK NR DUNCAN	QWP	CP			**1948-49,58-63
		STR			158.	1949-63
07313009	LITTLE BEAVER CK NR GAS CITY	QWP	CP			1961
07312950	LITTLE BEAVER CK NR MARLOW	CS			35.40	1964-75
07190850	LITTLE CABIN CK NR VINITA	QWP	CP			1948-51
07174310	LITTLE CANEY R BLW COPAN LK NR COPAN	STRP		C		1982-
07174200	LITTLE CANEY R BLW COTTON CK NR COPAN	QWMP	CNP			1973-79
		QWP	CP			1967-68
		STRP		BDT C	502.	1958-80
07243450	LITTLE DEEP FORK CK NR EDNA	QWP	CP			1951-57,60-62
07328040	LITTLE DRY CK NR ALEX	CS			0.88	1961-74
07249900	LITTLE LEE CK NR SHORT	QWMP	CNP			1978-79

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07310000	LITTLE MEDICINE BLUFF CK NR LAWTON	STR			7.	1913-19
07337250	LITTLE R ABV PINE CK LAKE NR WRIGHT CTY	QWMP	CNP			1976-77
07229460	LITTLE R ABV LAKE THUNDERBIRD NR NORMAN	QWP	BCNP			1983-
07230000	LITTLE R BLW LAKE THUNDERBIRD NR NORMAN	QWP	CP			1953-65
		QWMP	CNP			1975-79
		STR		HG	257.	1952-
07338500	LITTLE R BLW LUKFATA CK NR IDABEL	QWMP	CNP			**1947-54,76-79
		STRP		DAR C	1226.	1946-
		OWP	COP			1948-54,61-63,69-73
07337150	LITTLE R NR ALIKCHI	OWP	CP			1953 (62 NR RNLGD)
07230597	LITTLE R NR BOWLEGS	OWP	CP			1953,59,61,83-
		STR		OBS J		1983-
07339100	LITTLE R NR CERROGORDO	QWP	CP			1961-63
07337100	LITTLE R NR CLOUDY	QWMP	CNP		324.	1975-79
07337950	LITTLE R NR GARVIN	OWP	CP			1953
07230531	LITTLE R NR HARJO	OWP	CP			1961
07340000	LITTLE R NR HORATIO, AR	QWMP	CNP			1978-79
07338000	LITTLE R NR IDABEL	OWD	COP			1948-54
		STRP			1173.	1930-46
07230558	LITTLE R NR MAUD	OWP	CP			1959,61
07337650	LITTLE R NR MILLERTON					1953
07229500	LITTLE R NR NORMAN	QWP	CP			1951-57,59,61
		STR			120.	1952-55
07337200	LITTLE R NR RINGOLD	QWP	CP			1962
07231000	LITTLE R NR SASAKWA	SED	S			1976
		QWMP	CN			1975-79
		QWD	CNP	JG		1951-
		STR		OBS JG	865.	1942-
07230500	LITTLE R NR TECUMSEH	STR		C	456.	1943-
		SED	S			***1973-78
		OWP	CP			1951-63
07337500	LITTLE R NR WRIGHT CITY	OWP	CP			1953
		QWMP	CNP			1975-76
		STRP		C	645.	1929-31,44-
07228280	LITTLE ROBE CK NR OAKWOOD	CS			6.30	1966-72
07245119	LITTLE VIAN CK NR VIAN	OWP	CP			1960
07327500	LITTLE WASHITA R AT NINNEKAH	OWP	CP			1958-59,61-63
		STR			227.	1952-63
07327490	LITTLE WASHITA R NR NINNEKAH	QWD	CNP			1948-56,68-71
		STRP		OBS JG	208.	1963-
07242080	LITTLE WEWOKA CK NR WETUMKA	QWP	CP			1962-63
07235700	LITTLE WOLF CK TRIB NR GAGE	CS			18.4	1964-74
07244550	LONGTOWN CK NR ENTERPRISE	OWP	CP			1952-53
07188500	LOST CK AT SENECA, MO	OWP	CP			1951-58
		CS			42.	1949-59*,60-74
07158010	MAIN CK NR WAYNOKA	LF			105.	1965-73

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07232029	MATHULDY CK NR CROWDER	SED	S			1976-81
		OWP	CNP			1976-82
		STR			5.41	1976-82
07327449	MCCARDO CK NR CEMENT	OWP	CP			1958-60
07333910	MCGEE CK NR FARRIS	SED	S			1978-81
		OWP	CNP	B		1976-82
		OWH	CP	B		1976-82
		STR		B		1978-82
07333800	MCGEE CK NR STRINGTOWN	QWP	CP			1956-58
		CS			86.60	*1955-68,69-75
07310500	MEDICINE BLUFF CK NR LAWTON	STR			101.	1913-19
07309950	MEDICINE CK NR FT SILL	OWP	CP			1951
07149302	MEDICINE LODGE R NR DRIFTWOOD	QWP	CP			1962
07149000	MEDICINE LODGE R NR KIOWA, KS	OWH	CP	W	903.	1955-57,60-62,73-
		QWMP	CNP			1976-77
07190625	MID FK BIG CABIN CK NR PYRAMID CORNERS	QWMP	CPS		13.43	1980-83
		PR				1980-83
		SED				1980-83
07231560	MIDDLE CK NR CARSON	CS			7.40	1964-74
07331200	MILL CK NR MILL CK	LF			46.40	1952-55,58-71
		QWP	CP			1952-55,60
07194515	MILL CK NR PARK HILL	CS		HG	2.57	1965-
07331250	MILL CK NR RAVIA	STR			89.20	1969-71
		QWP				1969
07248620	MORRIS CK AT HOWE	SED	S			1978-81
		OWP				1978-81
		STRP			19.40	1978-81
07339010	MOUNTAIN FK BL EAGLETOWN	OWP	CP			1961-63
07339000	MOUNTAIN FK NR EAGLETOWN	STRP		DAR C	787.	1924-25,29-
07338840	MOUNTAIN FK NR SMITHVILLE	QWMP	CNP			1976-79
07338780	MOUNTAIN FK TRIB NR SMITHVILLE	CS		HG	0.85	1965-
07315700	MUD CK NR COURTNEY	OWP	CP			1960,62-63
		STR		JG	572.	1960-
		QWMP	CNP			1975-79
07315697	MUD CK NR GRADY	OWP	CP			1951-52,60-61
07332950	MUDDY BOGGY CK AT ATOKA	SED	S			1978-81
		STR		A1	445.	1978-81
07332750	MUDDY BOGGY CK NR COALGATE	OWP	CP			1962
07334000	MUDDY BOGGY CK NR FARRIS	STRP		C	1087.	1937-
		OWH	CP			1948,50-58,62-64
		QWMP	CNP			1973-79
07332700	MUDDY BOGGY CK NR PARKER	LF			174.	1958-73
07335300	MUDDY BOGGY CK NR UNGER	QWP	CP			1962
		STR		OBS JG		1982-
07245580	MULE CK AT SR 31 NR MCCURTAIN	PR		A		1981-82
		QWP	CP	A		1981-82
07299720	MULE CK NR ELDORADO	CS			3.84	1965-72

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07245590	MULE CK NR MCCURTAIN	PR		A		1979-83
		QWP	CP	A		1979-83
07245592	MULE CK NR MCCURTAIN	PR		A		1981-83
		QWP	CP	A		1981-83
07245594	MULE CK NR MCCURTAIN	PR		A		1981-83
		QWP	CP	A		1981-83
07160290	N BOGGY CK AT GARRIOTT RD, ENID	STR			8.98	1975
		QWP	BCNPS			1975
07333000	N BOGGY CK NR STRINGTOWN	STR			136.	1956-59
		QWP	CP			1956-59
07239000	N CANADIAN R AT CANTON	SED	S			1976
		OWMP	CNP			1973-79
		QWD	CP			1951-59
		STR		OBS C	12484.	1937-
07241300	N CANADIAN R AT I-40, OKC	QWP				1973
07241100	N CANADIAN R AT PORTLAND AVE, OKC	QWP				1973
07241200	N CANADIAN R AT WESTERN AVE, OKC	QWP				1973
07241000	N CANADIAN R BLW LAKE OVRHOLSR NR OKC	SED	S	C		1978-
		QWD	CP			1960-61
		STR		KG	13222.	**1952-68,73-
07239500	N CANADIAN R NR EL RENO	SED	S			***1973-1978
		OWMP	CNP			1973-79
		QWD	CP			**1950-51,53,74-75
		STR		BDT KG	13042.	**1902-08,37-
07244500	N CANADIAN R NR EUFAULA	QWP	CP			1952-53,60,61
		STR		OBS	17657.	1960-62
07239450	N CANADIAN R NR FT RENO	SED	S			1974-75
		OWP	BCNPS			1974-75
07241550	N CANADIAN R NR HARRAH	SED	S	A		1993-
		OWMP	CNP	D		1973-79
		QWD	CNP	XG		1969-
		STR		OBS XG	13501.	1968-
07241500	N CANADIAN R NR OKC	OWP	CP			1952,60-63
		STR			13354.	1939-61
07242190	N CANADIAN R NR PIERCE	QWP	CP			1960-63
07238000	N CANADIAN R NR SEILING	SED	S	C		***1973-
		QWMP	CNP			1973-79
		OWP	BCNPS			1953-59,*,74-75
		STR		C	12261.	1946-
07239200	N CANADIAN R NR WATONGA	SED	S			***1973-1978
		STR		OBS C	12692.	1954-
07242000	N CANADIAN R NR WETUMKA	SED		A		1977-
		QWMP	CNP			1973-79
		QWD	BCNPS	JGA		1952,54-
		STR		OBS C	14290.	1937-

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07239700	N CANADIAN R NR YUKON	QWP	CP			1952-54
		STRM		KG	13183.	1943-
07241080	N CANADIAN R TRIB AT NW 10, OKC	CS			1.78	1976-81
07239050	N CANADIAN R TRIB NR EAGLE CITY	CS			0.52	1964-75
07234050	N FK CLEAR CK TRIB NR BALKO	CS		HG	4.22	1964-
07301500	N FK RED R NR CARTER	STR		BDT TOG	2337.	1944-62,64-
		QWH	CNP			**1949,58-63,68-
		OWMP	CNP			1973-79
07301450	N FK RED R NR ERICK	QWP	COP		1223.	1952,60-63
07302000	N FK RED R NR GRANITE	OWP	S			1905-07
		STR			2494.	1903-08,38-44
07305000	N FK RED R NR HEADRICK	QWH	BCNPS	CA		**1951-,54-63,68-
		STR		ORS C	4244.	**1905-08,37-
		QWMP	CNP			1973-77
		SED	S	A		***1973-
07304000	N FK RED R NR LUGERT	STR			3435.	1930-31
07301481	N FK RED R NR SAYRE	STR		OBS C		1978-
07301315	N FK RED R NR TEXOLA	OWMP	CNP		1284.	1977
07307028	N FK RED R NR TIPTON	QWP	CP			1960
		STR		OBS J		1983-
07303000	N FORK RED R BLW LAKE ALTUS NR LUGERT	STR		TQG	2515.	**1930-32,64-
		QWP	CP			1963
		QWMP	CNP			1973-74
07193500	NEOSHO R BLW FT GBSN LAKE NR FT GIBSON	OWMP	CNP			1973-77
		STRP		OBS C	12495.	1950-
		OWD	BCNPS	A		1952-
		SED	S	A		1973-
07191500	NEOSHO R NR CHOUTEAU	STR		LG	11546.	1938-50,63-
		QWP	CP			1951-58,60
		OWMP	CNP			1973-79
07185000	NEOSHO R NR COMMERCE	QWP	CNP			1948-54,60-73
		STR		LG	5876.	1939-
		SED	S	C		1978-
		QWMP	CNP			1973-79
07189500	NEOSHO R NR GROVE	STR			9969.	1925-39
07190500	NEOSHO R NR LANGLEY	STR		LG	10335.	1939-
		QWMP	CNP			1973-79
		OWP	CP			1950-59
07192500	NEOSHO R NR WAGONER	QWP	CP			1948-50
		STR			12307.	1924-49
07178620	NEWT GRAHAM L&D NR INOLA	SED	S	A		1974-
		QWMP	CNP			1973-77
		QWD	BCNPS	A	8030.	1971-
07312850	NINE MILE BEAVER CK NR ELGIN	CSR		HG	6.29	1964-
07237500	N CANADIAN R AT WOODWARD	SED	S	A		1975-
		OWMP	CNP			1973-77
		OWD	BCNPS	A		**1955,61-63,75-
07171300	OOLOGAH LAKE NR OOLOGAH	STR		OBS C	11589.	1938-
		RESP		C	4339.	1963-

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					COOP (SO.MI.)		
07233200	OPTIMA LAKE NR HARDESTY	RES			C	5029.	1978-
07150652	OSAGE CK NR MEDFORD	OWP	CP				1962
07306500	OTTER CK AT MT PARK	STR				164.	1946-51
		OWP	CP				1952
07307010	OTTER CK NR SNYDER	OWP	CP				1951,60-63
07178580	OTTER CK NR TIAWAH	CS				15.20	1966-72
07307020	OTTER CK NR TIPTON	OWP	CP				1960-63
07249100	OWL CK NR MCCURTAIN	OWP					1978-81
		STRP				27.90	1978-81
		SED	S				1978-81
07233700	PALO DURO CK NR RANGE	OWP	CNP				1952-62
		LF				1745.	1951-73
07231990	PEACEABLE CK NR HAILEYVILLE	STRP				134.	1978-82
		SED	S				1978-82
		OWP					1978-82
07308200	PEASE R NR VERNON, TX	OWP	C				1960
07246610	PECAN CK NR SPIRO	CSR				0.90	1964-76
07331300	PENNINGTON CK NR REAGAN	LF				65.70	1951-55,58-73
		OWP	CP				1951-55,58-59
07336780	PERRY CK NR IDABEL	CS				7.53	1965-73
07237700	PERSIMMON CK NR MUTUAL	OWP	CP				1951,58
		LF				164.	1958-61,65-73
07337300	PINE CK LAKE NR WRIGHT CITY	RESP		RES	C	635.	1969-
07231950	PINE CK NR HIGGINS	CS			HG	9.99	1964-
07165500	POLECAT CK AT HEYBURN	STRP				123.	1943-79
		OWP	CP				1952-53,56-58,61
		SED	S				1978-79
07165510	POLECAT CK NR JENKS	OWP	COP				1960-63
07150700	POND CK NR LAMONT	OWP	CP				1951-55,58-59,62
07232620	PONY CK NR OPTIMA	LF				223.	1966-71
07247000	POTEAU R AT CAUTHRON, AR	QWMP	CNP			200.	1973-75
07249000	POTEAU R AT POTEAU	OWP	CP				1944-45
		STR		BOT		1240.	1938-45
07249438	POTEAU R NR BRADEN	OWP	CP				1958-59,62-63
07249440	POTEAU R NR FORT SMITH, AR	QWMP	CNP				1975-7
07247350	POTEAU R NR HEAVENER	OWMP	CNP				1976-79
07248500	POTEAU R NR WISTER	OWMP	CNP				1973-79
		OWP	CP				1948,52,55-59
		STRP			C	993.	1938-
07298500	PRAIRIE DOG TOWN FK RED R NR BRICE, TX	OWP	C				1960
07158500	PREACHER CK NR DOVER	CS			HG	14.50	*1951-57,64-
		OWP	CP				1952-54
07158490	PREACHER CK NR HENNESSEY	OWP	CP				1953
07192030	PRYOR CK AT ELLIOT ST BRG, NR PRYOR	OWP	CNP				1966-71
07192050	PRYOR CK AT HWY 69A BRG, NR PRYOR	OWP	CP				1958,62-63
07192060	PRYOR CK BLW SULPHUR CK NR PRYOR	OWP	CNP				1966-75
07192000	PRYOR CK NR PRYOR	OWP	CP				1948-63
		STR				229.	1948-64

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STATION NUMBER	STATION NAME	TYPE OF DATA	Q.W. PARASITIC METERS	STAGE SOURCE	DRAINAGE AREA COOP (SQ. MI.)	PERIOD OF RECORD
07324190	QUARTERMASTER CK NR HAMMON	OWP	CP			1970-71
07246400	R S KERR L&D NR SALLISAW (ARK R)	OWMP	CNP			1975-79
07325300	RAINY MTN CK AT MTN VIEW	OWP	CP	JG	147756.	1970- 1952-55,58
07153100	RANCH CK AT DAM NR CLEVELAND	OWP	CP		309.	1951-55,58-59 1953
07311410	RED CK NR SNYDER	STR			21.90	1945-63
07247550	RED OAK CK NR RED OAK	CS			6.12	1965-74
		SED				1978-81
		STRP			13.10	1978-82
		OWP				1978-82
07335500	RED R AT ARTHUR CITY, TX	OWP	CP			1960-63
		OWMP	CNP			1975-79
		STRP		DAR C	44531.	**1936- 1973-77
07331600	RED R AT DENISON DAM NR DENISON, TX	OWMP	CP	C	39720.	1961- 1960-63
07337000	RED R AT INDEX, AR	OWD	C			1960-63
07308500	RED R NR BURKBURNETT, TX	OWMP	CNP		20570.	1973-77
07332000	RED R NR COLBERT	OWP	CP			1960-61
		STR			39777.	1924-61
07336820	RED R NR DEKALB, TX	OWMP	CNP		47348.	1973-77
07316000	RED R NR GAINESVILLE, TX	OWMP	CNP			1973-77
		OWP	COP			1953-63
		STRP		BDT C	30782.	1936- 1977
07299565	RED R NR HOLLIS	OWMP	CNP		8154.	1977
07336760	RED R NR MILLERTON	OWP	CNP		46930.	1971-76
07336850	RED R NR NEW BOSTON, TX	OWP	C			1961-63
07299570	RED R NR QUANAH, TX	OWMP	CNP		8321.	1973-77
07315500	RED R NR TERRAL	OWMP	CNP		28723.	1973-77
07336730	RED R NR VALLIANT	OWP	CNP		46730.	1971-76
07312720	RED R NR WAURIKA	OWMP	CNP			1978-79
07152350	RED ROCK CK NR RED ROCK	OWP	CNP			1951-59,62-63
07329900	ROCK CK AT DOUGHERTY	STR			138.	1956-67
		OWD	CP			1951-60
07165507	ROCK CK AT SAPULPA	PR		SG		1979- 1960,69
07329843	ROCK CK N OF SULPHUR	OWP	CP			1960,69
07332070	ROCK CK NR ACHILLE	CS			0.72	1965-74
07335310	ROCK CK NR BOSWELL	CS		HG	0.94	1965- 1961
07232031	ROCK CK NR CROWDER	OWP	CNP			1961
07249070	ROCK CK NR RED OAK	SED	S			1978-81
		OWP	CNP			1978-81
		PR			12.	1978-81
07336710	ROCK CK NR SAWYER	CS			3.39	1964-74
07152410	ROCK CK NR SHIDLER	CS			9.13	1965-72
07329853	ROCK CK S OF PLATT N PK NR SURPHUR	OWP	CP			1960
07228290	ROUGH CK NR THOMAS	CS		HG	10.40	1964- 1947-54,58
07329000	RUSH CK AT PURDY	OWP	CP			1947-54,58
		STR		ORS	145.	1940-53

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07329500	RUSH CK NR MAYSVILLE	STR		JG	206.	1953-76
		SED	S			1976
		QWD	CP			1954-71
07329550	RUSH CK NR PAULS VALLEY	OWP	CP			1952-53,58-59
07241031	S BR T, T2 MST'G CK AT SW74, MUSTANG	CSR			0.29	1976-81
07241030	S BR T2 MST'G CK AT SW74, MUSTANG	CSR			0.54	1976-81
07191350	SALINA CK NR SALINA	QWP	CP			1948-49,51-53,58-59
07245500	SALLISAW CK NR SALLISAW	QWP	CP			1952-63
		STRP			192.	1942-76
		OWMP	CNP			1977
07171230	SALT CK NR ALLUWE	QWP	CP			1952-53,59
07230800	SALT CK NR DEWRIGHT	STR			210.	1960-63,66-67
		QWP	CP			1952-63
07158150	SALT CK NR HITCHCOCK	STR			44.40	1960,68-70
		OWD	CP			1960,68-70
07158400	SALT CK NR OKEENE	SED	S			1978-79
		STR		OBS	196.	1961-67,73-79
		OWH	CP			1973-79
		QWMP	CNP			1975-79
07230700	SALT CK NR PEARSON	LF			93.80	1955-56
		QWP	CNP			1956-61
07152400	SALT CK NR SHIDLER	LF			114.	1954-55,58-66
		QWP	CP			1950,54-55,58,61-63
07230731	SALT CK NR ST LOUIS	QWP	CP			1959-61
07230651	SALT CK NR TROUSDALE	QWP	CP			1961
07303404	SALT CK NR VINSON	PR			5.64	1978-79
		QWP				1978-79
07158180	SALT CK TRIB NR OKEENE	CS			8.23	1964-74
07151000	SALT FK ARKANSAS R AT TONKAWA	STR		C	4528.	1935-
		OWH	CNP			1948,52-63,68-79
		QWMP	CNP			1973-77
07148400	SALT FK ARKANSAS R NR ALVA	SED	S	C		1979-
		OWP	CNP			1950-54,62,76-79
		STR		C	1009.	*1938-51,76-
07149500	SALT FK ARKANSAS R NR CHEROKEE	STRP			2439.	1941-50
07148450	SALT FK ARKANSAS R NR INGERSOLL	SED	S			***1973-79
		OWH	CNP			1961-63,73-79
		STR			1140.	1961-62,73-79
		QWMP	CNP			1975-79
07150500	SALT FK ARKANSAS R NR JET	STR		OBS C	3202.	1937-
		OWH	CNP	C		1951-63,68-
		QWMP	CNP			1973-79
		SED	S	C		***1973-
07152200	SALT FK ARKANSAS R NR MARLAND	OWP	CNP			1960-63
07150597	SALT FK ARKANSAS R NR POND CK	QWP	CP			1951,62
07152260	SALT FK ARKANSAS R NR WHITE EAGLE	QWMP	CNP			1978-79

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07148350	SALT FK ARKANSAS R NR WINCHESTER	QWMP STR	CNP	JG	856.	1976-77 1959-
07150870	SALT FK ARKANSAS R TRIB NR EDDY	OWD CS	CNP	HG	2.35	1959-62 1964-
07300500	SALT FK RED R AT MANGUM	STR		OBS JG	1566.	1938-
		OWP SED	CP S			**1947-52,54,60-63 1976-78
07301110	SALT FK RED R NR ELMER	OQWMP SED	CNP S			1975-79 1978-
		OHW STR		A OBS JG		1978- 1979-
07300400	SALT FK RED R NR VINSON	OWP OQWMP	CP CNP		1421..	1952-54,60-63 1977
07300000	SALT FK RED R NR WELLINGTON, TX	OQWMP	CNP			1976-77
07174650	SAND CK AT BARTLESVILLE	OWP	CP			1952-53
07174600	SAND CK AT OKESA	STRP		C	139.	1959-
		OWP	CP			1952-55,60-62
07241880	SAND CK NR CROMWELL	CS		HG	9.48	1964-
07150548	SAND CK NR HAWLEY	OWP	CP			1962
07150580	SAND CK TRIB NR KREMLIN	CS			7.21	1964-74
07153090	SAND CK TRIB NR WAYNOKA	CSR			1.61	1964-75
07319500	SANDSTONE CK NR BERLIN	STR			44.90	1953-72
		OWP	CP			1958
07323000	SANDSTONE CK NR CHEYENNE	STR			87.10	1951-74
		OWP	CP			1951-52,57-58
07323500	SANDSTONE CK SWS 22 NR CHEYENNE	STR			2.25	1953-72
07321500	SANDSTONE CK SWS 3 NR ELK CITY	STR			0.62	1953-74
07321000	SANDSTONE CK SWS 5 NR ELK CITY	STR			3.89	1953-74
07320500	SANDSTONE CK SWS 6 NR ELK CITY	STR			6.46	1953-74
07322000	SANDSTONE CK SWS 9 NR ELK CITY	STR			3.50	1952-74
07324000	SANDSTONE CK SWS L NR CHEYENNE	STR			5.33	1952-74
		OWP	COP			1969-70
07320000	SANDSTONE CK SWS 10A NR ELK CITY	STR			2.87	1952-74
07318500	SANDSTONE CK SWS L4 NR CHEYENNE	STR			1.02	1953-74
07318000	SANDSTONE CK SWS L6 NR CHEYENNE	STR			11.47	1953-74
07317500	SANDSTONE CK SWS L6A NR CHEYENNE	STR			9.78	1952-74
07319000	SANDSTONE CK SWS L7 NR CHEYENNE	OWP STR	CP			1969-70 10.13 1953-74
07149700	SANDY CK NR BYRON	LF			434.	1965-73
07149608	SANDY CK NR INGERSOLL	OWP	CP			1962
07246000	SANS BOIS CK NR KEOTA	OWP STR	CP			1958-63 346. 1938-42
07245703	SANS BOIS CK NR KINTA	OWP	CP			1961
07233850	SHARP CK TRIB NR TURPIN	CSR			1.	1964-75
07301490	SHORT CK NR SAYRE	CS		HG	9.12	1964-
07315891	SIMON CK AT PIKE	OWP	CP			1960-61
07315882	SIMON CK NR OSWALT	OWP	CP			1960-61
07152990	SKED&E CK AT PAWNEE LAKE NR PAWNEE	OWP	CP			1953-56

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07160500	SKELETON CK NR LOVELL	STR		JG	410.	1949-1951-55
		OWD CP				1951-55
		OWMP CNP				1975-79
07160460	SKELETON CK NR ROXONA	OWP CP				1950
07165550	SNAKE CK NR BIXBY	CS			50.0	1951-70**71-76
07165559	SNAKE CK NR LEONARD	OWP CP				1960-61
07199800	SOUTH FK NR PORUM	PR				1980-83
		SED				1980-83
		OWMP CPS			48.73	1980-83
07232550	SOUTH FK TRIB NR GUYMON	CS		HG	0.26	1964-
07191223	SPAVINAW CK NR JAY	OWP CP				1958-59,61
07191200	SPAVINAW CK NR ROW	OWP CP				1959-61
		STR			128.	1959-62
07191355	SPAVINAW CK NR SPAVINAW	OWP CP				1948-51
07191220	SPAVINAW CK NR SYCAMORE	STR		PG	133.	1961-
		OWMP CNP				1977
07159600	SPRING CK AT LANSBROOK LANE, OKC	CSR		F	3.17	1976-78
07159610	SPRING CK AT N MACARTHUR BLVD, OKC	CSR			9.43	1976-78
07242270	SPRING CK AT PINE OAK DR, EDMOND	CSR			1.32	1976-81
07229425	SPRING CK NR ADA	OWP CP				1952-53
07327432	SPRING CK NR BLANCHARD	OWP C				1968-71
07325753	SPRING CK NR EAKLY	OWP CP				1961
07242280	SPRING CK NR EDMOND	OWP				1973
07301485	SPRING CK NR ELK CITY	CS			0.93	1968-72
07327031	SPRING CK NR GRACEMONT	OWP CP				1961
07304299	SPRING CK NR SENTINEL	OWP CP				1960
07327435	SPRING CK NR TABLER	OWP C				1968-71
07327437	SPRING CK TRIB NR MIDDLEBERG	OWP C				1969-71
07198000	SPRING R NR QUAPAW	STR		LG	2510.	1939-
		OWP CP				1948-58,60-63
		OWMP CNP				1973-79
07301452	STARVATION CK NR PRENTISS	LF			44.50	1964-73
07242180	STIDHAM CK TRIB NR DUSTIN	CS			2.56	1964-76
07162000	STILLWATER CK AT STILLWATER	STR			169.	1935-39
		SED				1934-37
07325400	STINKING CK NR CARNEGIE	OWP CP				1952-55,58
		LF			104.	1951-55,58-61
07327000	SUGAR CK NR GRACEMONT	OWP CP				1956-60
		STRP			208.	1956-74
07248700	SUGARLOAF CK NR MONROE	STRP			53.60	1978-81
		OWP				1978-81
		SED S				1978-81
07308310	SUTTLE CK NR DAVIDSON	LF			55.	1965-66
07171490	SWEETWATER CK NR CLAREMORE	SED				1980-83
		PR				1980-83
		OWMP CPS				1980-83
07301425	SWEETWATER CK NR TEXAS LINE	OWP CP				1953-54
07196510	TAHLEQUAH CK AT TAHLEQUAH	OWMP CNP			13.40	1976-77

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STATION NUMBER	STATION NAME	TYPE OF DATA	O.W. PARA- METERS	STAGE SOURCE	DRAINAGE AREA COOP (SO.MI.)	PERIOD OF RECORD
07245020	TALOKA CK AT STIGLER	PR			3.98	1978-81
		OWP				1978-81
		SED	S			1978-81
07245030	TALOKA CK NR STIGLER	STR		ORS	20.10	1978-81
		OWP	CNP			1978-81
		SED	S			1978-81
07245025	TALOKA CK TRIB NR STIGLER	PR			2.04	1979-81
		OWP	P			1978-81
		SED	S			1979-81
07185100	TAR CK AT MIAMI	STR		Y	52.	1980-
07197500	TENKILLER FERRY LAKE NR GORE	RESP		RES C	1610.	1952-
07336000	TENMILE CK NR MILLER	OWP	C		68.	1955-58
07232450	TEPEE CK NR EVA	LF			95.	1967-73
07154650	TESESQUITE CK NR KENTON	CS		HG	25.40	1964-
07231962	TI CK ABV UNNAMED TRIB NR BLANCO				1.83	
07231965	TI CK NR BLANCO					1981
07326720	TONKAWA CK NR ANADARKO	OWD	CP		26.	1968-71
07301100	TURKEY CK AT OLUSTEE	OWP	CP			1952,54-57,61-63
		STR			293.	1960-64
07148379	TURKEY CK NR ALVA	OWP	CNP			1962
07228220	TURKEY CK NR CAMARGO	LF			96.	1965-73
07159203	TURKEY CK NR DOVER	OWP	CP			1952-54,62
07159000	TURKEY CK NR DRUMMOND	CS			248.	1948-70,71-74
		OWP	CP			1948,52-59
07301455	TURKEY CK NR ERICK	OWP	CP			1953
		CS			19.80	1964-72
07159040	TURKEY CK NR HENNESSEY	OWP	CP			1951
07301000	TURKEY CK NR OLUSTEE	STR			244.	1905-08
07301460	TURKEY CK NR SAYRE	OWP	CP			1953
		LF			47.50	1953-56,65-73
07158550	TURKEY CK TRIB NR GOLTRY	CSR		HG	5.08	1964-
07241210	TWIN CK AT SW29 , OKC	CSR			3.35	1976-81
07176000	VERDIGRIS R NR CLAREMORE	OWD	CP			1948-54,59
		STRP		TMK C	6534.	1935-
		OWMP	CNP			1978-79
07178600	VERDIGRIS R NR INOLA	OWMP	CNP			1977
		OWP	BCNPS			1948-72
		STRP			7911.	1945-70
07171000	VERDIGRIS R NR LENAPAH	QWMP	CNP			1973-79
		OWP	CP			1945,52-64
		STRP		DAR	3639.	1938-
07171100	VERDIGRIS R NR NOWATA	OWP	CP			1952-53
07178670	VERDIGRIS R NR OKAY	OWP	CP		8296.	1952-53,60-63
07171400	VERDIGRIS R NR OOLOGAH	QWMP	CNP			1973-79
		OWP	CP			1962-63,65-75
		STRP		C	4339.	1961-
07171500	VERDIGRIS R NR SAGEEYAH	STRP			4402.	1939-45
07170950	VERDIGRIS R NR SOUTH COFFEYVILLE	OWP	CP		4339.	1952-53

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07171260	VERDIGRIS R NR TALALA	OWP	CP				1952-53
07171405	VERDIGRIS R, HWY 88 BR, NR CLAREMORE	OWD	CP				1952-53,59
07245090	VIAN CK NR VIAN	CS				19.60	1966-72
		OWP	CP				1958-59
07160550	W BEAVER CK NR ORLANDO	CSR			HG	13.90	1964-
07327420	W BITTER CK NR TABLER	OWD	CP			60.8	**1953,61,65-71
07311240	W CACHE CK NR COOKIETOWN	LF				1112.	1951-55,65-73
		OWP	CP				1952-55,60-63
07190620	W FORK BIG CABIN CK NR CENTRALIA	PR					1980-83
		OWMP	CPS			13.08	1980-83
		SED					1980-83
07162500	W FORK BRUSH CK NR STILLWATER	STR				13.10	1935-38
		SED					1934-37
07315672	W MUD CK NR ATLEE	OWP	CP				1961
07315681	W MUD CK NR RINGLING	OWP	CP				1960,(53 AS MUD)
07305198	W OTTER CK AT COLD SPRING	OWP	CP				1961
07305500	W OTTER CK AT SNYDER LK NR MT PARK	OWP	CP				1960
		STR			B	132.	1903-08,51-
07327320	W SALT CK NR CHICKASHA	OWD	COP			22.	1968-71
07313211	WALKER CK NR CORUM	OWP	CP				1961
07315900	WALNUT BAYOU NR BURNEYVILLE	STR				314.	1961-64,69-71
		OWMP	CNP				1975-79
		OWD	CP				1960-62,69-71
07315873	WALNUT BAYOU NR OSWALT	OWP	CP				1960
07229300	WALNUT CK AT PURCELL	OWP	CP				1950-55,58-62
		OWMP	CNP				1976-77
		STR			JG	202.	1965-
07229220	WALNUT CK NR BLANCHARD	CS				1.26	1964-72
07147800	WALNUT R AT WINFIELD, KS	OWP	C			1872.	1960-61
07328100	WASHITA R AT ALEX	OWD	CP				1965-71
		STRP			OBS JG	4787.	1964-
07326500	WASHITA R AT ANADARKO	STRP			JG	3656.	**1902-08,63-
		OWD	CP				1952,65-71
		OWMP	CNP				1975-79
07325500	WASHITA R AT CARNEGIE	OWP	CP		VG		1948-
		STR			OBS JG	3129.	1937-
		OWMP	CNP				1973-75
07330000	WASHITA R NR BERWYN	STR				6815.	1924-26
07324109	WASHITA R NR BUTLER	OW					1961
07316500	WASHITA R NR CHEYENNE	STR			OBS JG	794.	1937-
		OWMP	CNP				1973-75
		OWP	CNP				1950-53,60-61,69-73
07327300	WASHITA R NR CHICKASHA	OWP	CP				1952-53,55,58-61
07325000	WASHITA R NR CLINTON	OWP	CP				1953,58,60-63
		STR			C	1977.	1935-

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07331000	WASHITA R NR DICKSON	SED	S	CA		***1973-1973-77
		QWMP	CNP			1944-
		OWD	BCNPS	A		1928-
07324400	WASHITA R NR FOSS	STR		OBS A	7202.	**1956-57,61-
		STR		OBS VG	1551.	1973-79
		QWMP	CNP			**1947-48,70-
		QWP	CP		VG	1969-
07324200	WASHITA R NR HAMMON	STR			VG	1387.
		QWMP	CNP			1978-79
		QWP	CP		VG	1961,70-
07324150	WASHITA R NR MOOREWOOD	QWP	CP			1970-72
07328500	WASHITA R NR PAULS VALLEY	SED	S			1976-78
		QWP	COP			1952-63
		QWPM	CNP			1975-79
		STR		OBS JG	5330.	1937-
07316350	WASHITA R NR REYDON	QWMP	CNP			1977
		QWP	CP		4.98	1949,52
07328000	WASHITA R NR TABLER	STR			4706.	1940-52
		QWD	CP			1947-52
07316410	WASHITA R TRIB NR CRAWFORD	CS			2.18	1965-72
07313400	WAURIKA LAKE NR WAURIKA	RESU		C	562.	1978-
		RESP		C		1977-
07149709	WEST CLAY CK NR YEWED	QWP	CP			1962
07157550	WEST FK NR KNOWLES	CSR		HG	4.22	1964-
07242100	WEWOKA CK NR WETUMKA	STR			396.	1960-63,66-67
		QWP	CP			1952-57,60-64
		QWP	CP			1962-63
07242050	WEWOKA CK NR WEWOKA	QWP	CP			1962-63
07150590	WILD HORSE (SAND) CK NR POND CK	LF			105.	1965-72
07249090	WILD HORSE CK NR MCCURTAIN				7.05	
07329660	WILDHORSE CK NR HENNEPIN	QWP	CP			1949-50
07329700	WILDHORSE CK NR HOOVER	OWD	CP			1951-59,*. 70-71
		STR		JG	604.	1969-
07242370	WILDHORSE CK TRIB NR LUTHER	CSR		JG	2.12	1974-
07325860	WILLOW CK NR ALBERT	STR			29.	1970-78
07316130	WILSON CK TRIB NR MCMILLAN	CS			2.97	1965-75
07328070	WINTER CK NR ALEX	STRP		JG	33.	1964-
07248000	WISTER LAKE NR WISTER	QWP	CP			1960-64
		RESP		RES C	993.	1949-
07236000	WOLF CK NR FARGO	SED	S			***1973-1976
		STR			1624.	1942-76
		QWP	CP			1958,60-63
07237000	WOLF CK NR FORT SUPPLY	STR		C	1739.	1937-
		SED	S			1976
		QWP	CP			1951-59,60
07199480	WOLF CK NR GROVE	LF			7.21	1966-72
07249105	WOLF CK NR MCCURTAIN				11.2	
07235500	WOLF CK NR SHATTUCK	STRP			1183.	1938-46
07236050	WOLF CK TRIB NR TANGIER	CS			6.23	1964-72
07228930	WORLEY CK NR TUTTLE	CS		HG	11.2	1965-72,75-
07338520	YANUBBEE CK NR BROKEN BOW	CSR		HG	9.10	1964-

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07146500	ARKANSAS R AT ARKANSAS CITY, KS	OWD	CNP	BDT W	43713.	1952-1972-75
		OWMP	CNP			1972-75
07147800	WALNUT R AT WINFIELD, KS	QWP	C		1872.	1960-61
07148126	BEAVER CK NR KAW CITY	OWP	COP			1950,54-55
07148128	ARKANSAS R AT KAW CITY	OWD	CNP		8670.	1949-51
07148130	KAW LAKE NR PONCA CITY	RES		C	46530.	1977-
07148140	ARKANSAS R NR PONCA CITY	STR		C	46530.	1977-
		OWMP	CNP			1978-79
		SED	S	C		1978-
07148350	SALT FK ARKANSAS R NR WINCHESTER	STR		JG	856.	1959-
		OWD	CNP			1959-62
		OWMP	CNP			1976-77
07148360	GREENWOOD CK NR WINCHESTER	LF		JG	41.20	1972-
07148379	TURKEY CK NR ALVA	OWP	CNP			1962
07148400	SALT FK ARKANSAS R NR ALVA	STR		C	1009.	*1938-51,76-
		OWP	CNP			1950-54,62,76-79
		SED	S	C		1979-
07148450	SALT FK ARKANSAS R NR INGERSOLL	STR			1140.	1961-62,73-79
		OWH	CNP			1961-63,73-79
		OWMP	CNP			1975-79
		SED	S			***1973-79
07149000	MEDICINE LODGE R NR KIOWA, KS	OWH	CP	W	903.	1955-57,60-62,73-
		OWMP	CNP			1976-77
07149302	MEDICINE LODGE R NR DRIFTWOOD	OWP	CP			1962
07149411	DRIFTWOOD CK NR DRIFTWOOD	OWP	CP			1962
07149500	SALT FK ARKANSAS R NR CHEROKEE	STRP			2439.	1941-50
07149608	SANDY CK NR INGERSOLL	OWP	CP			1962
07149700	SANDY CK NR BYRON	LF			434.	1965-73
07149709	WEST CLAY CK NR YEWED	OWP	CP			1962
07150000	GREAT SALT PLAINS LAKE NR JET	RES		RES C	3200.	1941-
		OWP	CP			1950-
07150500	SALT FK ARKANSAS R NR JET	STR		OBS C	3202.	1937-
		OWH	CNP	C		1951-63,68-
		OWMP	CNP			1973-79
		SED	S	C		***1973-
07150548	SAND CK NR HAWLEY	OWP	C			1962
07150580	SAND CK TRIB NR KREMLIN	CS			7.21	1964-74
07150590	WILD HORSE (SAND) CK NR POND CK	LF			105.	1965-72
07150597	SALT FK ARKANSAS R NR POND CK	OWP	CP			1951,62
07150652	OSAGE CK NR MEDFORD	OWP	CP			1962
07150700	POND CK NR LAMONT	OWP	CP			1951-55,58-59,62
07150870	SALT FK ARKANSAS R TRIB NR EDDY	CS		HG	2.35	1964-
07150900	DEER CK NR TONKAWA	LF			1500.	1965-73
		OWP	CP			1958-59,62
07151000	SALT FK ARKANSAS R AT TONKAWA	STR		C	4528.	1935-
		OWH	CNP			1948,52-63,68-79
		OWMP	CNP			1973-77
07151550	CHIKASKIA R NR DRURY, KS	OWP	C			1960-61
07151900	CHIKASKIA R NR BRAMAN	OWMP	CNP		1510.	1977

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07151903	CHIKASKIA R BLW BRAMAN LAKE NR BRAMAN	OWP	CP			1958,59,62
07152000	CHIKASKIA R NR BLACKWELL	STR		OBS JG	1859.	1935-
		OWP	CP			1952-63
		OWMP	CNP			1975-79
07152050	CHIKASKIA R NR TONKAWA	OWP	CP			1948,51,53,58-63
07152059	DUCK CK NR TONKAWA	OWP	CP			1953,62
07152200	SALT FK ARKANSAS R NR MARLAND	OWP	CNP			1960-63
07152250	BOIS D'ARC CK NR PONCA CITY	OWP	CP		100.	1953,58-63
		LF				1965-73
07152260	SALT FK ARKANSAS R NR WHITE EAGLE	OWMP	CNP			1978-79
07152290	GREASY CK NR WATCHORN	STR		RES	28.	1974-76
07152350	RED ROCK CK NR RED ROCK	OWP	CNP			1951-59,62-63
07152360	ELM CK NR FORAKER	CS			18.20	1964-75
07152380	BEAVER CK (E BR) NR GRAINOLA	OWP	CP			1950
07152400	SALT CK NR SHIDLER	LF			114.	1954-55,58-66
		OWP	CP			1950,54-55,58,61-63
07152410	ROCK CK NR SHIDLER	CS			9.13	1965-72
07152500	ARKANSAS R AT RALSTON	STR		OBS C	54465.	1925-
		OWH	BCNP	CA		1950-63,65-
		OWMP	CNP			1973-79
		SED	S	CA		***1973-
07152520	BLACK BEAR CK TRIB NR GARBER	CS			0.97	1964-75
		OWP	CP			1958-59
07152590	BLACK BEAR CK NR PERRY	OWP	CP			1950,58-59
07152950	BLACK BEAR CK NR MORRISON	OWP	CP			1951,58-59
07152990	SKEDEE CK AT PAWNEE LAKE NR PAWNEE	OWP	CP			1953-56
07153000	BLACK BEAR CK AT PAWNEE	STR		C	576.	1944-
		OWP	CP			1952-53,56-59,61-71
		OWMP	CNP			1978-79
		SED	S	C		1978-
07153100	RANCH CK AT DAM NR CLEVELAND	STR			21.90	1945-63
		OWP	CP			1953
07153150	KEYSTONE LAKE NR CLEVELAND	OWP	CP			1966-74
07154400	CARRIZOZO CK NR KENTON	CS			111.	1953-70
07154500	CIMARRON R NR KENTON	STR		A	1106.	1950-
		OWP	CP			1952-63
		OWMP	CNP			1977
07154650	TESESQUITE CK NR KENTON	CS		HG	25.40	1964-
07155000	CIMARRON R ABV UTE CK NR BOISE CITY	STR			1955.	1905-07,43-54
07155100	COLD SPRINGS CK NR WHEELLESS	CS		HG	11.	1964-
07155200	COLD SPRINGS CK NR CASTANEDA	LF			129.	1965-71
07155500	CIMARRON R NR BOISE CITY	STR			2214.	1939-42
07155510	FLAGG SPRINGS CK TRIB NR BOISE CITY	CS			5.15	1965-72
07156900	CIMARRON R NR FORGAN, KS	STR		JG	8536.	1965-
07157000	CIMARRON R NR MOCANE	PR			8670.	*1943-65,76-79
		OWP	CP			1947-49,52-64,76-79
07157500	CROOKED CK NR NYE, KS	OWP	CP		1157.	1947,58-63
07157550	WEST FK NR KNOWLES	CSR		HG	4.22	1964-

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07157580	CIMARRON R NR ENGLE, KS	STR	CP	G	10096.	1982-
07152000	CHIKASKIA R NR BLACKWELL	OWP		G		1982-
07157740	CIMARRON R NR BUTTERMILK, KS	STR			11120.	1973-79
07157940	BLUFF CK NR BUTTERMILK, KS	OWH	CP			1973-79
		STR			657.	1973-79
		OWH	CP			1973-79
07157950	CIMARRON R NR BUFFALO	STR		OBS A	12004.	1960-
		OWD	RCNPS	JGA		1953,60-63,68-
		OWMP	CNP			1973-77
		SED	S	A		***1973-
07157960	BUFFALO CK NR LOVEDALE	STR		JGA	408.	1966-
		OWH	CP			1974-79
		OWMP	CNP			1975-79
		SED	S			1978-79
07157980	CIMARRON R NR FREEDOM	STR		C	12706.	1973-
		OWH	CP	C		1953,74-
		OWMP	CNP			1976-77
07158000	CIMARRON R NR WAYNOKA	STR		ORS C	13334.	1937-
		QWH	CP			1951-63,68-79
		OWMP	CNP			1973-77
07158010	MAIN CK NR WAYNOKA	LF			105.	1965-73
07158020	CIMARRON R TRIB NR LONE WOLF	CS			4.26	1964-75
07158080	SAND CK TRIB NR WAYNOKA	CSR			1.61	1964-75
07158090	EAGLE CHIEF CK NR CARMEN	QWP	CP			1953-54
07158100	EAGLE CHIEF CK NR ALINE	LF			406.	**1953-55,61-73
		QWP	CP			1953-55,58-59
07158105	EAGLE CHIEF CK AT CLEO SPRINGS	QWP	CP			1952-55
07158120	CIMARRON R TRIB NR ISABELLA	CS			0.62	1964-72
07158140	HOYLE CK NR AMES	OWP	CP			1952-54
07158150	SALT CK NR HITCHCOCK	STR			44.40	1960,68-70
		QWD	CP			1960,68-70
07158180	SALT CK TRIB NR OKEENE	CS			8.23	1964-74
07158400	SALT CK NR OKEENE	STR		ORS	196.	1961-67,73-79
		OWH	CP			1973-79
		OWMP	CNP			1975-79
		SED	S			1978-79
07158490	PREACHER CK NR HENNESSEY	QWP	CP			1953
07158500	PREACHER CK NR DOVER	CS		HG	14.50	*1951-57,64-
		OWP	CP			1952-54
07158550	TURKEY CK TRIB NR GOLTRY	CSR		HG	5.08	1964-
07159000	TURKEY CK NR DRUMMOND	CS			248.	1948-70,71-74
		OWP	CP			1948,52-59
07159040	TURKEY CK NR HENNESSEY	QWP	CP			1951
07159100	CIMARRON R NR DOVER	STR		ORS C	15713.	1973-
		QWH	CP			1951,53,74-79
		OWMP	CNP			1975-79
07159200	KINGFISHER CK NR KINGFISHER	CS		JG	157.	*1966-70,71-
		QWP	CP			1959
07159203	TURKEY CK NR DOVER	OWP	CP			1952-54,62

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07159400	CIMARRON R NR CRESCENT	STR			16453.	1970-72
		OWP	CP			1953
07159450	BLUFF CK AT OKC	CS		HG	1.64	1974-
07159500	BLUFF CK ABV LAKE HEFNER NR OKC	STR			1.62	1950-59
07159600	SPRING CK AT LANSBROOK LANE, OKC	CSR		F	3.17	1976-79
07159610	SPRING CK AT N MACARTHUR BLVD, OKC	CSR			9.43	1976-78
07159680	CHISHOLM CK AT VILLAGE DR, OKC	CSR		F	1.22	1976-78
07159720	COTTONWOOD CK NR NAVINA	STR		OBS	247.	1978-
		OWD	COF			1978-
		SED	S	B		1982-
07159750	COTTONWOOD CK AT SEWARD	STR			316.	1973-82
		OWD	CNP			1973-82
		OWMP	CNP			1975-79
		SED	S			1978-82
07159800	COTTONWOOD CK NR GUTHRIE	LF			366.	1952-73
		OWP	CP			1952-61
07159805	COTTONWOOD CK AT GUTHRIE	PR		Y	370.	1889-1956
07160000	CIMARRON R NR GUTHRIE	STR			16892.	1949,53-63,83-
		QWD	CP			1949,53-63
		OWMP	CNP			1973-79
		SED	S			1976
07160280	BOGGY CK AT ENID AVE. ENID	STR			20.80	1975
		OWP	BCNP			1975
07160290	N BOGGY CK AT GARRIOTT RD, ENID	STR			8.98	1975
		OWP	BCNPS			1975
07160300	BOGGY CK AT 30TH ST, ENID	STR			35.80	1975
		OWD	BCNP			1975
07160310	BOGGY CK TRIB AT GARRIOTT RD, ENID	OWP	BCNP			1975
07160315	BOGGY CK ABV SEWAGE TRET PLNT, ENID	OWP	BCNP			1975
07160320	BOGGY CK BLW SEWAGE TRET PLNT, ENID	OWP	BCNP			1975
07160460	SKELETON CK NR ROXONA	QWO	CP			1950
07160500	SKELETON CK NR LOVELL	STR		JG	410.	1949-
		OWD	CP			1951-55
		OWMP	CNP			1975-79
07160550	W BEAVER CK NR ORLANDO	CSR		HG	13.90	1964-
07161000	CIMARRON R AT PERKINS	STR		OBS A	17852.	1939-
		OWH	BCNPS	CA		1950,53-63,65
		OWMP	CNP			1973-77
		SED	S	CA		***1973-
07161500	LAKE CARL BLACKWELL NR STILLWATER	OWP	CP			1947,49,51,55
07162000	STILLWATER CK AT STILLWATER	STR			168.	1935-38
		SED				1934-37
07162500	W FORK BRUSH CK NR STILLWATER	STR			13.10	1935-38
		SED				1934-37
07163000	COUNCIL CK NR STILLWATER	STR		JG	31.	1934-
		OWP	CP			1944
		SED		OBS		1934-37
07163020	CORRAL CK NR YALE	CS			2.89	1964-65

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07163500	CIMARRON R AT OILTON	CS			18669.	1964-75
		STR				1934-45
		OWP	CP			1944
07163900	HOUSE CK NR TERLTON	OWP	CP		0.91	1953-55
07164000	CIMARRON R AT MANNFORD	STR			18849.	1939-50,59-63
		OWP	CP			1950-52,60-63
07164200	KEYSTONE LAKE NR SAND SPRINGS	RESP		C	74506.	1964-
		OWP	CP			1965-75
		OWMP	COP			1973-75
07164400	ARKANSAS R SAND SPRINGS BR NR TULSA	OWH	RCNPS		74615.	1946-77
		OWMP	CNP			1976-77
		SED	S			1974-77
07164500	ARKANSAS R AT TULSA	STRP		TMK CA	74615.	1925-
		OWH	RCNPS	CA		1960-61,77-
		OWMP	CNP			1977
		SED		A		1977-
07164700	ARKANSAS R NR JENKS	OWMP	CNP			1973-74
07164940	DEEP CK NR OLIVE	CS			3.25	1967-72
07165000	HEYBURN LAKE NR HEYBURN	RES		RES C	123.	1950-
		OWP	CP			1961
07165500	POLECAT CK AT HEYBURN	STRP			123.	1943-79
		OWP	CP			1952-53,56-58,61
		SED	S			1978-79
		PR		SG		1979-
07165507	ROCK CR AT SAPULPA	OWP	COP			1960-63
07165510	POLECAT CK NR JENKS	OWD	CP			1949
07165520	ARKANSAS R AT BIXBY	CS			50.0	1951-70**71-76
07165550	SNAKE CK NR BIXBY	OWP	CP			1960-61
07165559	SNAKE CK NR LEONARD	STRP		DAR C	75473.	1972-
07165570	ARKANSAS R NR HASKELL	OWP	BCNP			1974-75
		OWMP	CNP			1974-79
		SED				1974-75
07165572	COWETA CK NR COWETA	OWP	CP			1961
07165581	CANE CK NR JAMESVILLE	OWP	CP			1960-61
07165600	ARKANSAS R NR TULLAHASSEE	STR			75815.	1971-72
07165610	ARKANSAS R AT MUSKOGEE	OWP	CP			1957.62,63
07170950	VERDIGRIS R NR SOUTH COFFEYVILLE	OWP	CP		4339.	1952-53
07171000	VERDIGRIS R NR LEHAPAH	STRP		DAR	3639.	1939-
		OWP	CP			1945,52-64
		OWMP	CNP			1973-79
07171080	CALIFORNIA CK NR NOWATA	OWP	CP			1952-53,59
07171100	VERDIGRIS R NR NOWATA	OWP	CP			1952-53
07171105	EAST FORK BIG CK NR HOLLOW	OWMP	CPS		14.43	1980-83
		PR				1980-83
		SED				1980-83
07171120	CLEAR CK TRIB NR HOLLOW	CS		JG	2.19	1966-75,79-
07171220	BIG CK NR NOWATA	OWP	CP			1952-53,59
07171230	SALT CK NR ALLUWE	OWP	CP			1952-53,59
07171240	LIGHTNING CK NR ALLUWE	OWP	CP			1952-53,59

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07171260	VERDIGRIS R NR TALALA	OWP	CP			1952-53
07171300	OOLOGAH LAKE NR OOLOGAH	RESP		C	4339.	1963-
07171400	VERDIGRIS R NR OOLOGAH	STRP		C	4339.	1961-
		OWP	CP			1962-63,65-75
		OWMP	CNP			1973-79
07171405	VERDIGRIS R, HWY 88 BR, NR CLAREMORE	OWD	CP			1952-53,59
07171490	SWEETWATER CK NR CLAREMORE	OWMP	CPS			1990-93
		PR				1980-83
		SED				1980-83
07171500	VERDIGRIS R NR SAGEEYAH	STRP			4402.	1939-45
07172000	CANEY R NR ELGIN, KS	OWMP	CNP		445.	1973-75
07172470	CANEY R NR BOULANGERVILLE	OWP	CP			1952-53
07172500	HULAH LAKE NR HULAH	RESP		RES C	732.	1950-
07173000	CANEY R NR HULAH	STRP		C	736.	1937-
		OWP	CP			1952-53, ** ,60,63-64
		OWMP	CNP			1975-79
07174000	CANEY CK NR COPAN	STRP			424.	1944-58
07174150	COTTON CK NR COPAN	OWP	CP			1952-53,67-68
07174200	LITTLE CANEY R BLW COTTON CK NR COPAN	STRP		BDT C	502.	1958-90
		OWP	CP			1967-68
		OWMP	CNP			1973-79
07174300	COPAN LK NR COPAN	RESP		C		1993-
07174310	LITTLE CANEY R BLW COPAN LK NR COPAN	STRP		C		1992-
07174500	CANEY R AT BARTLESVILLE	STRP			1465.	1950-56
		OWP	CP			1952-53,67-68
07174510	COON CK NR DEWEY	OWP	CP			1952-53
07174570	DRY HOLLOW NR PAWHUSKA	CS			1.67	1965-72
07174600	SAND CK AT OKESA	STRP		C	139.	1959-
		OWP	CP			1952-55,60-62
07174650	SAND CK AT BARTLESVILLE	OWP	CP			1952-53
07174700	CANEY R NR OCHELATA	STRP			1753.	1956-76
		OWP	CP			1960-61
		OWMP	CNP			1973-75
07174720	HOGSHOOTER CK TRIB NR BARTLESVILLE	CS		HG	0.94	1965-
07175000	DOUBLE CK SUBWTRSHD #5 NR RAMONA	STRP			2.39	1955-69
		OWP	CP			1954-55, ** ,67-69
07175500	CANEY R NR RAMONA	STRP		OBS C	1955.	1945-
		OWD	CP	JG		1952-53, **65-
		OWMP	CNP			1975-79
07175550	CANEY R NR COLLINSVILLE	OWP	CP			1949-53,59
07176000	VERDIGRIS R NR CLAREMORE	STRP		TMK C	6534.	1935-
		OWD	CP			1948-54,59
		OWMP	CNP			1978-79
07176320	BIRD CK NR PAWHUSKA	OWP	CP			1952-53
07176350	BIRD CK NR BARNSDALL	OWP	CP			1949-53
07176455	BIRCH CK NR BARNSDALL	OWP	CP			1965-66
07176460	BIRCH LAKE NR BARNSDALL	RESP		C	66.	1977-
07176465	BIRCH CK BLW BIRCH LAKE NR BARNSDALL	STRP			66.	1978-

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07176500	BIRD CK AT AVANT	STRP		DAR C	364.	1945- 1965-66
		QWP CP				1973-79
07176525	CANDY CK NR AVANT	QWP CP				1952,65-66
07176800	CANDY CK NR WOLCO	STRP		C	30.60	1969-
07176910	BIRD CK NR SKIATOOK	QWP CP				1948-53
07176950	HOMINY CK NR HOMINY	QWP CP				1950-53,56,65-66
07177000	HOMINY CK NR SKIATOOK	STRP		C	340.	1944-80
		QWP CP				1948-53,65-66
07177410	HOMINY CK BLW SKIATOOK LK NR SKIATOOK	STRP		C		1983-
07177450	HOMINY CK NR SPERRY	QWP CP				1952-53
07177500	BIRD CK NR SPERRY	STRP		TMK C	905.	1938-
		OWD CP				1952-53,**,64-76
		OWMP CNP				1976-77
07177520	DELAWARE CK NR SPERRY	QWP CP				1952-53
07178000	BIRD CK NR OWASSO	STR			1022.	1936-39
		QWP CP				1948-53
07178050	BIRD CK NR CATOOSA	QWP CP		BOT JG	1080.	1965-
		OWMP CNP				1975-79
07178400	BIRD CK AT CATOOSA	OWMP CNP				1978-79
07178500	DOG CK NR CLAREMORE	PR		ZG		1979-
07178580	OTTER CK NR TIAWAH	CS			15.20	1966-72
07178600	VERDIGRIS R NR INOLA	STRP			7911.	1945-70
		QWP BCNPS				1948-72
		QWMP CNP				1977
07178620	NEWT GRAHAM L&D NR INOLA	QWD BCNPS		A	9030.	1971-
		QWMP CNP				1973-77
		SED S		A		1974-
07178640	BULL CK NR INOLA	CS			10.70	1965-75
07178650	BILLY CK TRIB NR WAGONER	CS			5.71	1966-72
07178670	VERDIGRIS R NR OKAY	QWP CP			8296.	1952-53,60-63
07185000	NEOSHO R NR COMMERCE	STR		LG	5876.	1939-
		QWP CNP				1948-54,60-73
		SED S		C		1978-
		QWMP CNP				1973-79
07185100	TAR CK AT MIAMI	STR		Y	52.	1980-
07188000	SPRING R NR OUAPAW	STR		LG	2510.	1939-
		QWP CP				1948-58,60-63
		OWMP CNP				1973-79
07188140	FLINT BRANCH NR PEORIA	CS		HG	4.90	1964-
07188500	LOST CK AT SENECA, MO	CS			42.	1949-59*,60-74
		QWP CP				1951-58
07189000	ELK R NR TIFF CITY, MO	STR		LG	872.	1939-
		QWP CP				1948-49,51-58,60-61
		OWMP CNP				1973-77
07189480	WOLF CK NR GROVE	LF			7.21	1966-72
07189500	NEOSHO R NR GROVE	STR			9969.	1925-39
07189700	HORSE CK AT AFTON	CS		HG	21.90	1966-
07189720	HORSE CK TRIB NR AFTON	CS			.81	1966-72

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07190000	LAKE O THE CHEROKEES AT LANGLEY	RES		RES LG	10298.	1940-
		OWP	CP			1948-49
07190500	NEOSHO R NR LANGLEY	STR		LG	10335.	1939-
		OWP	CP			1950-59
		OWMP	CNP			1973-79
07190595	BIG CABIN CK NR WELCH	OWMP	CPS		28.1	1980-83
		PR				1980-83
		SED				1980-83
07190597	BIG CABIN CK TRIB NR WELCH	OWMP	CPS			1980-83
		PR				1980-83
		SED				1980-83
07190600	BIG CABIN CK NR PYRAMID CORNERS	CS		JG	71.1	1963-72**,73-79
07190620	W FK BIG CABIN CK NR CENTRALIA	OWMP	CPS		13.08	1980-83
		PR				1980-83
		SED				1980-83
07190625	MID FK BIG CABIN CK NR PYRAMID CORNERS	OWMP	CPS		13.43	1980-83
		PR				1980-83
		SED				1980-83
07190650	BIG CABIN CK NR VINITA	OWP	CP			1949-51
07190850	LITTLE CABIN CK NR VINITA	OWP	CP			1948-51
07191000	BIG CABIN CK NR BIG CABIN	STR		LG	466.	1947-
		OWP	CP			1951-60,64-71
		OWMP	CNP			1975-77
07191200	SPAVINAW CK NR ROW	STR			128.	1959-62
		OWP	CP			1959-61
07191220	SPAVINAW CK NR SYCAMORE	STR		PG	133.	1961-
		OWMP	CNP			1977
07191223	SPAVINAW CK NR JAY	OWP	CP			1958-59,61
07191260	BRUSHY CK NR JAY	CS			16.	1965-72
07191350	SALINA CK NR SALINA	OWP	CP			1948-49,51-53,58-59
07191355	SPAVINAW CK NR SPAVINAW	OWP	CP			1948-51
07191400	LAKE HUDSON NR LOCUST GROVE	RESP		RES LG	11534.	1964-
07191500	NEOSHO R NR CHOUTEAU	STR		LG	11546.	1938-50,63-
		OWP	CP			1951-58,60
		OWMP	CNP			1973-79
07192000	PRYOR CK NR PRYOR	STR			229.	1948-64
		OWP	CP			1948-63
07192030	PRYOR CK AT ELLIOT ST BRG,NR PRYOR	OWP	CNP			1966-71
07192050	PRYOR CK AT HWY 69A BRG, NR PRYOR	OWP	CP			1958,62-63
07192060	PRYOR CK BLW SULPHUR CK NR PRYOR	OWP	CNP			1966-75
07192500	NEOSHO R NR WAGONER	STR			12307.	1924-49
		OWP	CP			1948-50
07193000	FORT GIBSON LAKE NR FORT GIBSON	RESP		RES C	12492.	1949-
07193500	NEOSHO R BLW FT GBSN LAKE NR FT GIBSON	STRP		ORS C	12495.	1950-
		QWD	BCNPS	A		1952-
		OWMP	CNP			1973-77
		SED	S	A		1973-

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07194500	ARKANSAS R NR MUSKOGEE	STR		BDT	96674.	1926-70
		OWP	CP			1957, 1963
		OWMP	CNP			1973-79
07194512	BAYOU MANARD NR FT GIBSON	OWP	CP			1961
07194515	MILL CK NR PARK HILL	CS		HG	2.57	1965-
07194540	GREENLEAF LAKE NR BRAGGS	OWP	CP			1949, 51, 52
07194545	GREENLEAF CK NR BRAGGS	OWP	CP			1953-55
07194550	ARKANSAS R AT WEBBERS FALLS L&D	OWMP	CNP			1973-75
07194551	ARKANSAS R AT WEBBERS FALLS	QWD	CP		97049.	1949, 57-63
07195400	ILLINOIS R NR SILOAM SPRINGS, AR					
07195500	ILLINOIS R NR WATTS	STR		DAR C	635.	1955-
		OWP	CNP			1955-61, 63, 69-73
		OWMP	CNP			1975-79
07196000	FLINT CK NR KANSAS	STRP		JG	110.	1955-76
		OWP	CP			1955-61, 63
		OWMP	CNP			1975-79
07196010	FLINT CK TRIB NR FLINT	CS			0.94	1966-72
07196380	ILLINOIS R TRIB NR TAHLEQUAH	CS			3.93	1965-75
07196500	ILLINOIS R NR TAHLEQUAH	STR		DAR JG	959.	1935-
		OWP	CP			1960-61
		OWMP	CNP			1975-79
		SED	S	C		1976-
07196510	TAHLEQUAH CK AT TAHLEQUAH	OWMP	CNP		13.40	1976-77
07196900	BARON FORK AT DUTCH MILLS, ARK	OWP	C		43.	1959-61
07197000	BARON FORK AT ELDON	STR		BDT CJG	307.	1948-
		OWP	CP			1959-60
		OWMP	CNP			1975-79
07197500	TENKILLER FERRY LAKE NR GORE	RESP		RES C	1610.	1952-
07198000	ILLINOIS R NR GORE	STRP		C	1626.	1939***, 48, 52, 54-
		OWP	CP	JG		1948-
		OWMP	CNP			1973-79
07198500	DIRTY CK NR WARNER	STRP			227.	1940-46
		OWP	CP			1960-61
07198800	SOUTH FK NR PORUM	OWMP	CPS		49.73	1980-83
		PR				1980-83
		SED				1980-83
07228000	CANADIAN R NR CANADIAN, TX	OWMP	CNP		22866.	1973-77
07228150	COMMISSION CK NR GRAND	LF			57.90	1965-66
07228160	CANADIAN R NR CHEYENNE	OWMP	CP			1950-51
07228200	CANADIAN R NR ROLL	OWP	CP		23615.	1950-53, 62-63
		OWMP	CNP			1976-77
07228220	TURKEY CK NR CAMARGO	LF			86.	1965-73
07228250	CANADIAN R AT TALOGA	OWP	C			1953
07228280	LITTLE ROBE CK NR OAKWOOD	CS			6.30	1966-72
07228290	ROUGH CK NR THOMAS	CS		HG	10.40	1964-
07228300	CANADIAN R NR THOMAS	OWP	CP			1952-53, 61-63
07228400	DEER CK AT HYDRO	STR		B	274.	1961-64, 77-80
		OWP	CNP	B		1951-58, 60-63, 77-80
07228450	DEER CK TRIB NR HYDRO	CS			2.31	1964-75

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07228500	CANADIAN R AT BRIDGEPORT	STR		OBS B	25229.	1944-64,69- 1949-61,64,70- 1973-79
		OWD	CNP			1978-
		QWMP	CNP			1964-72
		SED	S	B		1952-53,73
07229600	CANYON VIEW CK NR GEARY	CS			11.80	1965-72,75-
07228700	CANADIAN R NR UNION CITY	OWP	CNP			1965-75
07228930	WORLEY CK NR TUTTLE	CS		HG	11.2	1939-45
07228960	CANADIAN R TRIB NR NEWCASTLE	CS			3.32	1959
07229000	CANADIAN R NR NEWCASTLE	STR			25763.	1960-61,63-75
07229050	CANADIAN R AT NORMAN	OWP	CP			1965-71,73-74
07229100	CANADIAN R NR NOBLE	STR			25911.	1973-75
		OWD	CNP			1976
		QWMP	CNP			1960-61,79-
		SED	S			1952,*,60-63,74-75
07229200	CANADIAN R AT PURCELL	STR		OBS C	25939.	1975-79
		OWD	CNP			1979-
		QWMP	CNP			1964-72
		SED	S	C		1965-
07229220	WALNUT CK NR BLANCHARD	CS			1.26	1950-55,58-62
07229300	WALNUT CK AT PURCELL	STR		JG	202.	1976-77
		OWP	CP			1964-
		QWMP	CNP			1952-53
07229420	JULIAN CK TRIB NR ASHER	CS		HG	2.28	1960-61
07229425	SPRING CK NR ADA	OWP	CP			1960
07229441	ELM CK NR MOORE	OWP	CP			1983-
07229442	EAST ELM CK NR MOORE	OWP	CP			1952-55
07229460	LITTLE R ABV LAKE THUNDERBIRD NR NORMAN	OWP	BCNP			1951-57,59,61
07229500	LITTLE R NR NORMAN	STR			120.	1961
		OWP	CP			1960-61
07229601	CLEAR CK NR NORMAN	OWP	CP			1965-
07229801	HOG CK NR STELLA	OWP	CP			1965-
07229900	LAKE THUNDERBIRD NR NORMAN	RESP		RES HG	256.	1952-
		OWP	CP			1953-65
07230000	LITTLE R BLW LAKE THUNDERBIRD NR NORMAN	STR		HG	257.	1975-79
		OWP	CP			1943-
		QWMP	CNP			1951-63
07230500	LITTLE R NR TECUMSEH	STR		C	456.	***1973-78
		OWP	CP			1961
		SED	S			1959,61
07230531	LITTLE R NR HARJO	OWP	CP			1983-
07230558	LITTLE R NR MAUD	OWP	CP			1953,59,61,83-
07230597	LITTLE R NR BOWLEGS	STR		OBS J		1961
		OWP	CP			1955-56
07230651	SALT CK NR TROUSDALE	OWP	CP			1956-61
07230700	SALT CK NR PEARSON	LF			83.80	1961
		OWP	CNP			1959-61
07230708	BLACKSMITH CK NR PEARSON	OWP	CP			
07230731	SALT CK NR ST LOUIS	OWP	CP			

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07230800	SALT CK NR DEWRIGHT	STR			210.	1960-63,66-67
		OWP	CP			1952-63
07231000	LITTLE R NR SASAKWA	STR		OBS JG	865.	1942-
		QWD	CNP	JG		1951-
		QWMP	CN			1975-79
		SED	S			1976
07231102	DEEP CK NR SPAULDING	QWP	CP			1961
07231280	ARBECA CK NR ALLEN	CS			2.26	1965
07231320	LEADER CK TRIB NR ATWOOD	CS		HG	0.72	1964-
07231500	CANADIAN R AT CALVIN	STR		OBS C	27952.	**1905-06,44-
		OWD	BCNPS	JGA		1950-53,60-61,65-
		QWMP	CNP			1973-77
		SED	S	CA		1975-
07231560	MIDDLE CK NR CARSON	CS			7.40	1964-74
07231950	PINE CK NR HIGGINS	CS		HG	9.99	1964-
07231955	GAINES CK NR HIGGINS	PR				1978-80
		OWP				1978-80
07231962	TI CK ABV UNNAMED TRIB NR BLANCO				1.83	
07231965	TI CK NR BLANCO					1981
07231975	BRUSHY CK NR HAILEYVILLE	STRP			139.	1978-82
		OWP				1978-82
		SED	S			1978-81
07231990	PEACEABLE CK NR HAILEYVILLE	STRP			134.	1978-82
		OWP				1978-82
		SED	S			1978-82
07232000	GAINES CK NR KREBS	STRP			588.	1943-63
		OWP	CP			1946-47,50-51,60-62
07232008	BLUE CK TRIB A NR BLOCKER	PR			4.67	1978-81
		OWP	CNP			1978-81
		SED	S			1978-81
07232009	BLUE CK TRIB B NR BLOCKER	PR			0.22	1976-78
		OWP	CNP			1976-78
		SED	S			1976-78
07232010	BLUE CK NR BLOCKER	STR			12.10	1976-82
		OWP	CNP			1976-82
		SED	S			1976-81
07232024	DEER CK NR MCALESTER	STRP			38.30	1978-80
		OWP				1978-80
		SED				1978-80
07232027	COAL CK NR MCALESTER	OWP	CP		196.	1960-61
07232029	MATHULDY CK NR CROWDER	STR			5.41	1976-82
		OWP	CNP			1976-82
		SED	S			1976-81
07232031	ROCK CK NR CROWDER	OWP	CNP			1961
07232050	GAINES CK NR CANADIAN	OWP	CP			1960-62
07232245	BEAVER R AT FELT	QWMP	CNP		850.	1977
07232250	BEAVER R NR FELT	CS			879.	1972-79
07232400	BEAVER (SAND) CK NR TEXHOMA	LF			217.	1967-71
07232450	TEPEE CK NR EVA	LF			95.	1967-73

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07232500	BEAVER R NR GUYMON	STR		DAR C	2139.	1937-
		OWD	BCNPS			1952,54-63,68-79
		OWMP	CNP			1973-77
		SED	S	C		1975-
07232550	SOUTH FK TRIB NR GUYMON	CS		HG	0.26	1964-
07232580	GOFF CK NR HOUGH	LF			470.	1968-71
07232590	GOFF CK NR GUYMON	LF			510.	1964-68
07232610	BEAVER R NR OPTIMA	OWP	CP			1972-73
07232620	PONY CK NR OPTIMA	LF			223.	1966-71
07232630	BEAVER R NR HOOKER	OWP	CP		3017.	1972-73,75-79
		OWMP	CNP			1977
07232650	AQUA FRIO CK NR FELT	CSR			31.	1964-75
07233000	COLDWATER CK NR HARDESTY	STR			1967.	1939-64
		OWP	CP			1952-63
07233200	OPTIMA LAKE NR HARDESTY	RES		C	5029.	1978-
07233210	BEAVER R NR HARDESTY	STR		C	4770.	1978-
		SED	S	C		1978-
07233700	PALO DURO CK NR RANGE	LF			1745.	1951-73
		OWP	CNP			1952-62
07233850	SHARP CK TRIB NR TURPIN	CSR			1.	1964-75
07234000	BEAVER R AT BEAVER	STR		OBS C	7955.	1937-
		OWD	BCNPS	JGA		1952,58-59,62-
		OWMP	CNP			1973-77
		SED	S	A		1974-
07234050	N FK CLEAR CK TRIB NR BALKO	CS		HG	4.22	1964-
07234100	CLEAR CK NR ELMWOOD	STR		JG	170.	1965-
		OWP	CP			1952-53
07234130	DUCK POND CK NR CLEAR LAKE	LF			97.	1966-73
07234200	KIOWA CK NR SLAPOUT	LF			371.	1945,49-61,63-73
		OWP	CP			1952-58,60
07234250	KIOWA CK TRIB NR LAVERNE	CS			2.14	1964-72
07234290	CLEAR CK TRIB NR CATESBY	CS		HG	8.51	1966-
07234300	CLEAR CK NR MAY	OWP	CP		109.	1954-58,60
07234500	BEAVER R NR FORT SUPPLY	STGU			9615.	*1937-51,51-79
07235500	WOLF CK NR SHATTUCK	STRP			1193.	1938-46
07235700	LITTLE WOLF CK TRIB NR GAGE	CS			18.4	1964-74
07236000	WOLF CK NR FARGO	STR			1624.	1942-76
		OWP	CP			1958,60-63
		SED	S			***1973-1976
07236050	WOLF CK TRIB NR TANGIER	CS			6.23	1964-72
07236500	FORT SUPPLY LAKE NR FORT SUPPLY	RES		RES	1735.	1942-
		OWP	CP			1949,50,53
07237000	WOLF CK NR FORT SUPPLY	STR		C	1739.	1937-
		OWP	CP			1951-58,60
		SED	S			1976
07237500	NORTH CANADIAN R AT WOODWARD	STR		OBS C	11589.	1938-
		OWD	BCNPS	A		**1955,61-63,75-
		OWMP	CNP			1973-77
		SED	S	A		1975-

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07237590	INDIAN CK NR WOODWARD	OWP	CP				1951-57
07237700	PERSIMMON CK NR MUTUAL	LF				164.	1958-61,65-73
		OWP	CP				1951,58
07237750	COTTONWOOD CK NR VICI	CS			HG	11.50	1964-
07237800	BENT CK NR SEILING	CS			JG	139.	*1966-70,71-
		OWP	CP				1956
07238000	N CANADIAN R NR SEILING	STR			C	12261.	1946-
		OWP	BCNPS				1953-59,*,74-75
		OWMP	CNP				1973-79
		SED	S		C		***1973-
07238500	CANTON LAKE NR CANTON	RES		RES	C	12483.	1948-
		OWP	CNP		JG		**1949-50,68-
07239000	N CANADIAN R AT CANTON	STR		OBS	C	12484.	1937-
		OWD	CP				1951-59
		OWMP	CNP				1973-79
		SED	S				1976
07239050	N CANADIAN R TRIB NR EAGLE CITY	CS				0.52	1964-75
07239200	N CANADIAN R NR WATONGA	STR		OBS	C	12692.	1954-
		SED	S				***1973-1978
07239450	N CANADIAN R NR FT RENO	OWP	BCNPS				1974-75
		SED	S				1974-75
07239500	N CANADIAN R NR EL RENO	STR		BDT	KG	13042.	**1902-08,37-
		OWD	CP				**1950-51,53,74-75
		OWMP	CNP				1973-79
		SED	S				***1973-1978
07239650	CANADIAN R AT CEMETARY RD NR YUKON						
07239700	N CANADIAN R NR YUKON	STRM			KG	13183.	1943-
		OWP	CP				1952-54
07239750	N CANADIAN R AT MORGAN RD NR YUKON						
07240000	LAKE HEFNER CANAL NR OKC	STR			KG		1944-
07240500	LAKE OVERHOLSER NR OKC	RESP		RES	KG	13221.	1937-
07241000	N CANADIAN R BLW LAKE OVRHOLSR NR OKC	STR			KG	13222.	**1952-69,73-
		OWD	CP				1960-61
		SED	S		C		1978-
07241030	S BR T2 MST'G CK AT SW74, MUSTANG	CSR				0.54	1976-81
07241031	S BR T,T2 MST'G CK AT SW74, MUSTANG	CSR				0.29	1976-81
07241090	N CANADIAN R TRIB AT NWLO, OKC	CS				1.78	1976-81
07241100	N CANADIAN R AT PORTLAND AVE, OKC	OWP					1973
07241200	N CANADIAN R AT WESTERN AVE, OKC	OWP					1973
07241210	TWIN CK AT SW29, OKC	CSR				3.35	1976-81
07241220	BROCK CK AT SW59, OKC	CSR				2.26	1976-81
07241230	LIGHTING CK AT SW74, OKC	CS				3.96	1976-81
07241250	LIGHTNING CK AT OKC	OWP					1973
07241300	N CANADIAN AT I-40, OKC	OWP					1973
07241350	CROOKED OAK CK AT OKC	OWP					1973
07241500	N CANADIAN R NR OKC	STR				13354.	1939-61
		OWP	CP				1952,60-63
07241508	CRUTCHO CK TR ON E RENO, MIDWST CITY	CSR				1.41	1976-81

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07241550	N CANADIAN R NR HARRAH	STR		OBS XG	13501.	1968-
		OWD	CNP	XG		1969-
		OWMP	CNP	D		1973-79
		SED	S	A		1983-
07241600	LAKE SHAWNEE NR SHAWNEE	RESU		D		1957-78
07241890	SAND CK NR CROMWELL	CS		HG	9.48	1964-
07242000	N CANADIAN R NR WETUMKA	STR		OBS C	14290.	1937-
		OWD	BCNPS	JGA		1952,54-
		OWMP	CNP			1973-79
		SED		A		1977-
07242050	WEWOKA CK NR WEWOKA	OWP	CP			1962-63
07242080	LITTLE WEWOKA CK NR WETUMKA	OWP	CP			1962-63
07242090	GRIEF CK NR WETUMKA	OWP	CP			1962-63
07242100	WEWOKA CK NR WETUMKA	STR			396.	1960-63,66-67
		OWP	CP			1952-57,60-64
		OWP	CP			1960
07242109	FISH CK NR WETUMKA	OWP	CP			1960
07242160	ALABAMA CK NR WELEETKA	CS		JG	16.50	1965-
07242180	STIDHAM CK TRIB NR DUSTIN	CS			2.56	1964-76
07242190	N CANADIAN R NR PIERCE	QWP	CP			1960-63
07242200	DEEP FK AT PORTLAND, OKC	CSR			2.98	1974-81
07242210	DEEP FK AT YOUNGS BLVD, OKC	QWP				1973
07242215	DEEP FK TRIB AT BELLVIEW DR, OKC	OWP				1973
07242217	DEEP FK AT PENNSYLVANIA AVE, OKC	OWP	C			1960-62
07242219	DEEP FK TRIB AT NW 50, OKC	CSR			2.65	1976-81
07242220	DEEP FK AT EASTERN, OKC	CSR			29.2	1975-81
07242240	DEEP FK TRIB BLW NORTHEAST LK, OKC	OWP				1973
07242245	DEEP FK TRIB NR WITCHER	OWP				1973
07242250	DEEP FK NEAR WITCHER	OWP				1973
07242270	SPRING CK AT PINE OAK DR, EDMOND	CSR			1.32	1976-81
07242280	SPRING CK NR EDMOND	OWP				1973
07242300	DEEP FK AT WITCHER	OWP	CP			1960-62
07242350	DEEP FK NR ARCADIA	STR		OBS C	105.	1969-
		OWP	CNPS	C		1970-
		OWMP	CNP			1973-79
		SED	S	C		1974-
07242370	WILDHORSE CK TRIB NR LUTHER	CSR		JG	2.12	1974-
07242400	DEEP FK NR CHANDLER	OWP	CP			1960-62
07242500	BELLCOW CK AT CHANDLER	STR			46.	1948-55
		QWP	CP			1949-54
07243000	DRY CK NR KENDRICK	STR		AG	69.	1955-
		QWP	COP	O		**1955,70-73
07243450	LITTLE DEEP FORK CK NR EDNA	OWP	CP			1951-57,60-62
07243500	DEEP FK NR BEGGS	STR		OBS C	2018.	1938-
		OWD	BCNPS	JGA		1952-
		OWMP	CNP			1973-79
		SED	S	CA		1978-
07243550	ADAMS CK NR BEGGS	CSR		HG	5.90	1965-
07244000	DEEP FK NR DEWAR	STRP			2300.	1938-50
		OWD	CP			1949-51

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07244200	DEEP FK NR PIERCE	OWP	CP			2548.	1960-63
07244500	N CANADIAN R NR EUFAULA	STR		ORS		17657.	1960-62 1952-53,60,61
07244550	LONGTOWN CK NR ENTERPRISE	OWP	CP				1952-53
07244790	BROOKEN CK NR ENTERPRISE	CS				5.66	1964-71
07244800	EUFAULA LAKE NR BROOKEN	RESP			C	47522.	1964- 1965-67
07245000	CANADIAN R NR WHITEFIELD	OWD	CP				1938- 1947-64,67-
		STRP		ORS	CA	47576.	1973-77
		OWD	BCNPS		JGA		1975- 1978-81
		OWMP	CNP				1978-81
		SED	S		A		1978-81
07245020	TALOKA CK AT STIGLER	PR				3.98	1979-81
		OWP					1978-81
		SED	S				1978-81
07245025	TALOKA CK TRIB NR STIGLER	PR				2.04	1978-81
		OWP	P				1979-81
		SED	S				1978-81
07245030	TALOKA CK NR STIGLER	STR		ORS		20.10	1978-81
		OWP	CNP				1978-81
		SED	S				1978-81
07245040	JACKSON CK NR STIGLER	STR					1958
07245090	VIAN CK NR VIAN	CS				19.60	1966-72
		OWP	CP				1958-59
07245119	LITTLE VIAN CK NR VIAN	OWP	CP				1960
07245500	SALLISAW CK NR SALLISAW	STRP				182.	1942-76
		OWP	CP				1952-63
		OWMP	CNP				1977
07245580	MULE CK AT SR 31 NR MCCURTAIN	OWP	CP		A		1981-82
		PR			A		1981-82
07245590	MULE CK NR MCCURTAIN	OWP	CP		A		1979-83
		PR			A		1979-83
07245591	E POND OUTLET TO MULE CK NR MCCURTAIN	OWP	CP		A		1979-83
		PR			A		1979-83
07245592	MULE CK NR MCCURTAIN	OWP	CP		A		1981-83
		PR			A		1981-83
07245594	MULE CK NR MCCURTAIN	OWP	CP		A		1981-83
		PR			A		1981-83
07245703	SANS BOIS CK NR KINTA	OWP	CP				1961
07246000	SANS BOIS CK NR KEOTA	STR				346.	1938-42
		OWP	CP				1958-63
07246400	R S KERR L&D NR SALLISAW (ARK R)	OWP	CP		JG	147756.	1970- 1975-79
		OWMP	CNP				1948-70
07246500	ARKANSAS R NR SALLISAW	STRP				147757.	1957, 1959-1963
		OWD	CP				1964-72
07246600	CACHE CK NR COWLINGTON	CS				20.60	1959-61
		OWP	CP				1964-76
07246610	PECAN CK NR SPIRO	CSR				0.90	1964-76

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07246615	COAL CK NR SPIRO	STRP			18.10	1978-82
		OWH				1978-82
		SED				1978-81
07246630	BIG BLACK FOX CK NR LONG	CS			5.32	1964-79
07247000	POTEAU R AT CAUTHRON, AR	OWMP	CNP		200.	1973-75
07247350	POTEAU R NR HEAVENER	OWMP	CNP			1976-79
07247450	FOURCHE MALINE NR WILBURTON	STRP			56.20	1978-81
		OWH				1978-81
		SED	S			1978-81
07247500	FOURCHE MALINE NR RED OAK	STR		A1	122.	1938-
		OWP	CP			1952, 54, 56-60, 63
		OWMP	CNP	EG		1978-
07247550	RED OAK CK NR RED OAK	STRP			13.10	1978-82
		OWP				1978-82
		SED				1978-81
07249000	WISTER LAKE NR WISTER	RESP		RES C	993.	1949-
		OWP	CP			1960-64
07248500	POTEAU R NR WISTER	STRP		C	993.	1939-
		OWP	CP			1948, 52, 55-59
		OWMP	CNP			1973-79
07248600	CASTON CK AT WISTER	STRP			72.90	1978-82
		OWP				1978-82
		SED				1978-81
07248620	MORRIS CK AT HOWE	STRP			19.40	1978-81
		OWP				1978-81
		SED	S			1978-81
07248700	SUGARLOAF CK NR MONROE	STRP			53.60	1978-81
		OWP				1978-81
		SED	S			1978-81
07249000	POTEAU R AT POTEAU	STR		BOT	1240.	1938-45
		OWP	CP			1944-45
07249060	BRAZIL CK NR RED OAK	PR			2.74	1978-81
		OWP	CNP			1978-81
		SED	S			1978-81
07249070	ROCK CK NR RED OAK	PR			12.	1978-81
		OWP	CNP			1978-81
		SED	S			1978-81
07249073	BRAZIL CK NR LODI	STR				1978-81
07249080	BRAZIL CK NR WALLS	STR		OBS	69.10	1978-81
		OWP	CNP			1978-81
		SED	S			1978-81
07249090	WILD HORSE CK NR MCCURTAIN				7.05	
07249100	OWL CK NR MCCURTAIN	STRP			27.90	1978-81
		OWP				1978-81
		SED	S			1978-81
07249105	WOLF CK NR MCCURTAIN				11.2	
07249190	DOE CK NR BOKOSHE				1.79	
07249200	BRAZIL CK NR PANAMA	OWP	CP			1960-61

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07249400	JAMES FORK CK NR HACKETT, AR	STR		W	148.	1958-
		OWP	CP	I		1960-61,76-
		SED	S			1976-81
07249410	JAMES FORK NR WILLIAMS	PR			198.	1976-91
		OWP	CNP			1976-81
		SED	S			1976-91
07249415	COAL CK TRIB NR BOKOSHE	PR			1.26	1976-78
		OWP	CNP			1976-78
		SED	S			1976-78
07249419	COAL CK NR PANAMA	CS		HC	6.67	1976-
		OWP	CNP			1976-79
		SED	S			1977-79
07249422	HOLI-TUSKA CK NR PANAMA	STRP			4.39	1978-81
		OWP				1978-91
		SED	S			1978-81
07249438	POTEAU R NR BRADEN	OWP	CP			1958-59,62-63
07249440	POTEAU R NR FORT SMITH, AR	OWMP	CNP			1975-7
07249800	LEE CK NR SHORT	OWP	CP			1958-61
		OWMP	CNP			1976-77
07249900	LITTLE LEE CK NR SHORT	OWMP	CNP			1978-79
07250500	ARKANSAS R AT VAN BUREN, AR	OWP	CP		150483.	1960-61
		OWMP	CNP			1973-75
		OWMP	CNP			1976-77
07250550	ARKANSAS R AT DAM 13 NR VAN BUREN	OWP	C			1960
07298500	PRAIRIE DOG TOWN FK RED R NR BRICE, TX	OWMP	CNP			1977
07299565	RED R NR HOLLIS	OWMP	CNP		8154.	1977
07299570	RED R NR QUANAH, TX	OWMP	CNP		8321.	1973-77
07299705	BITTER CK NR HOLLIS	CS			11.30	1964-72
07299710	LEBOS CK NR ELDORADO	STR			280.	1960-64
		OWP	CP			1952-55,58,61-63
07299720	MULE CK NR ELDORADO	CS			3.94	1965-72
07299725	ELDORADO SPRING NR ELDORADO	OWP	CP			1950
07299770	GYPSUM CK NR CRETA	OWP	CP			1961
07299780	GYPSUM CK NR OLUSTEE	LF			107.	1954-57,65-73
		OWP	CP			1955-57
07300000	SALT FK RED R NR WELLINGTON, TX	OWMP	CNP			1976-77
07300150	BEAR CK NR VINSON	CSR		HC	7.24	1964-
07300400	SALT FK RED R NR VINSON	OWP	CP		1421.	1952-54,60-63
		OWMP	CNP			1977
07300500	SALT FK RED R AT MANGUM	STR		OBS JG	1566.	1938-
		OWP	CP			**1947-52,54,60-63
		OWMP	CNP			1975-79
		SED	S			1976-78
07301000	TURKEY CK NR OLUSTEE	STR			244.	1905-08
07301100	TURKEY CK AT OLUSTEE	STR			293.	1960-64
		OWP	CP			1952.54-57,61-63
07301110	SALT FK RED R NR ELMER	STR		OBS JG	1875.	1979-
		QWH		A		1978-
		SED	S	A		1978-
07301315	N FK RED R NR TEXOLA	OWMP	CNP		1284.	1977

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07301425	SWEETWATER CK NR TEXAS LINE	OWP	CP			1953-54
07301450	N FK RED R NR ERICK	OWP	COP		1223.	1952,60-63
07301452	STARVATION CK NR PRENTISS	LF			44.50	1964-73
07301455	TURKEY CK NR ERICK	CS			19.90	1964-72
		OWP	CP			1953
07301460	TURKEY CK NR SAYRE	LF			47.50	1953-56,65-73
		OWP	CP			1953
07301480	SHORT CK NR SAYRE	CS		HG	9.12	1964-
07301491	N FK RED R NR SAYRE	STR		OBS C		1978-
07301485	SPRING CK NR ELK CITY	CS			0.93	1968-72
07301495	INDIAN CK NR CARTER	CS			24.90	1965-75
07301500	N FK RED R NR CARTER	STR		BDT TOG	2337.	1944-62,64-
		QWH	CNP			**1949,58-63,68-
		OWMP	CNP			1973-79
07302000	N FK RED R NR GRANITE	STR			2494.	1903-08,38-44
		OWP	S			1905-07
07302500	LAKE ALTUS AT LUGERT	RES		RES TOG	2515.	1943-
		OWP	CP			1949,50-52,55-57
07302510	ALTUS CANAL BLW LAKE ALTUS NR ALTUS	OWP				1952,55-57
07303000	N FORK RED R BLW LAKE ALTUS NR LUGERT	STR		TOG	2515.	**1930-32,64-
		OWP	CP			1963
		OWMP	CNP			1973-74
07303395	ELM FK N FK RED R AT SALTON CROSSING	OWH	CP		411.	1960-61,73-79
07303400	ELM FK N FORK RED R NR CARL	PR		ORS C	416.	*1959-79,80-
		OWP	CP	C		1960-63,68-
		OWMP	CNP			1976-77
		SED	S			1978-79
07303402	FISH CK NR VINSON	PR			31.50	1978-79
		OWP				1978-79
07303404	SALT CK NR VINSON	PR			5.64	1978-79
		OWP				1978-79
07303406	ELM FK N FK RED R NR VINSON	PR		C	429.	1978-
		OWP		C		1978-
07303420	ELM FK N FK RED R NR REED	STR			579.	1978
		OWP	NP			1978
07303450	DEER CK NR PLAINVIEW	CSR			27.80	1964-77
07303500	ELM FK N FK RED R NR MANGUM	STR			938.	**1905-08,65-76
		OWH	CP			**1951,1968-76
		OWMP	CNP			1975-79
07304000	N FK RED R NR LUGERT	STR			3435.	1930-31
07304107	ELK CK NR ELK CITY	OWP	CP			1960
07304299	SPRING CK NR SENTINEL	OWP	CP			1960
07304403	E ELK CK NR ROCKY	OWP	CP			1961
07304500	ELK CK NR HOBART	STR		ORS JG	549.	**1904-09,49-
		OWD	CP	B		**1949-,54-63,70-
		OWMP	CNP			1975-79
07305000	N FK RED R NR HEADRICK	STR		ORS C	4244.	**1905-08,37-
		OWH	BCNPS	CA		**1951-,54-63,68-
		OWMP	CNP			1973-77
		SED	S	A		***1973-

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07305199	W OTTER CK AT COLD SPRING	OWP	CP			1961
07305302	GLENN CK NR COLD SPRING	OWP	CP			1961
07305500	W OTTER CK AT SNYDER LK NR MT PARK	STR			B 132.	1903-08,51-
		OWP	CP			1960
07306000	HORSE CK NR MT PARK	STR			11.10	1906
07306500	OTTER CK AT MT PARK	STR			164.	1946-51
		OWP	CP			1952
07307000	DRY FORK OTTER CK NR MT PARK	STR			12.	1905-06
07307010	OTTER CK NR SNYDER	OWP	CP			1951.60-63
07307020	OTTER CK NR TIPTON	OWP	CP			1960-63
07307028	N FK RED R NR TIPTON	STR		OBS J		1983-
		OWP	CP			1960
		OWP	C			1960
07308200	PEASE R NR VERNON, TX	OWP	C			1960
07308310	SUTTLE CK NR DAVIDSON	LF			55.	1965-66
07308500	RED R NR BURKNETT, TX	OWMP	CNP		20570.	1973-77
07308890	E CACHE CK NR APACHE	OWP	C			1951
07308990	LAKE ELLSWORTH NR ELGIN	RESU		UG	249.	1964-
07309000	E CACHE CK NR ELGIN	STR			249.	1956-58
		OWD	CP			1956,58
		OWMP	CNP			1975-79
07309480	CANYON CK NR MEDICINE PARK	CS			3.35	1965-75
07309500	LAKE LAWTONKA NR LAWTON	RESU		RES UG	93.	1955-
07309950	MEDICINE CK NR FT SILL	OWP	CP			1951
07310000	LITTLE MEDICINE BLUFF CK NR LAWTON	STR			7.	1913-19
07310500	MEDICINE BLUFF CK NR LAWTON	STR			101.	1913-19
07311000	E CACHE CK NR WALTERS	STR		UG	675.	1938-68,69-
		OWD	CP	UG		**1947-48,58-63,70-
		OWMP	CNP			1975-79
07311200	BLUE BEAVER CK NR CACHE	STR		A	24.60	1964-
		OWP	CNP	A		1965-
07311240	W CACHE CK NR COOKIETOWN	LF			1112.	1951-55,65-73
		OWP	CP			1952-55,60-63
07311410	RED CK NR SHYDER	CS			6.12	1965-74
07311420	DEADMAN CK TRIB AT MANITOU	CS			2.57	1965-72
07311500	DEEP RED RUN NR RANDLETT	STR		JG	617.	1949-
		OWD	CP			**1948,69-70
		OWMP	CNP			1975
07311505	DEEP RED RUN NR TAYLOR	OWP	CP		1121.	1959
		OWMP	CNP			1976-79
		OWMP	CNP			1978-79
07312720	RED R NR WAURIKA	OWP	CP			1948,61
07312750	BEAVER CK NR LAWTON	OWP	CP			1948,61
07312850	NINE MILE BEAVER CK NR ELGIN	CSR		HG	6.29	1964-
07312950	LITTLE BEAVER CK NR MARLOW	CS			35.40	1964-75
07313000	LITTLE BEAVER CK NR DUNCAN	STR			158.	1949-63
		OWP	CP			**1948-49,58-63
07313009	LITTLE BEAVER CK NR GAS CITY	OWP	CP			1961
07313211	WALKER CK NR CORUM	OWP	CP			1961
07313400	WAURIKA LAKE NR WAURIKA	RESU		C	562.	1978-
		RESP		C		1977-

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STATION NUMBER	STATION NAME	TYPE OF DATA	Q.W. PARASITIC METERS	STAGE SOURCE	DRAINAGE AREA (SQ. MI.)	PERIOD OF RECORD
07313500	BEAVER CK NR WAURIKA	STR		ORS C	563.	1953-
		OWP	CP			1953-66
		OWMP	CNP			1975-79
07313533	COW CK NR COMANCHE	OWP	CP			1959,61
07313566	DRY CK NR COMANCHE	OWP	CP			1961
07313600	COW CK AT WAURIKA	CS		JG	193.0	*1967-70,71-
		OWP	CP			1960-63,67-70
		OWMP	CNP			1978-79
07313702	BEAVER CK NR RYAN	OWP	CP			1960-61
07315500	RED R NR TERRAL	OWMP	CNP		28723.	1973-77
07315672	W MUD CK NR ATLEE	OWP	CP			1961
07315680	COTTONWOOD CK TRIB NR LOCO	CS		HG	1.74	1964-
07315681	W MUD CK NR RINGLING	OWP	CP			1960,(53 AS MUD)
07315697	MUD CK NR GRADY	OWP	CP			1951-52,60-61
07315700	MUD CK NR COURTNEY	STR		JG	572.	1960-
		OWP	CP			1960,62-63
		OWMP	CNP			1975-79
07315873	WALNUT BAYOU NR OSWALT	OWP	CP			1960
07315880	DEMIJON CK NR WILSON	CS			5.74	1964-73
07315882	SIMON CK NR OSWALT	OWP	CP			1960-61
07315891	SIMON CK AT PIKE	OWP	CP			1960-61
07315900	WALNUT BAYOU NR BURNEYVILLE	STR			314.	1961-64,69-71
		QWD	CP			1960-62,69-71
		OWMP	CNP			1975-79
07316000	RED R NR GAINESVILLE, TX	STRP		BDT C	30782.	1936-
		OWP	COP			1953-63
		OWMP	CNP			1973-77
07316070	HICKORY CK NR MARIETTA	LF			116.	1964-73
07316100	LAKE MURRAY NR ARDMORE	OWP	CP			1949-53,56-57
07316130	WILSON CK TRIB NR MCMILLAN	CS			2.97	1965-75
07316140	BRIER CK NR POWELL	CSR		HG	12.	1965-
07316350	WASHITA R NR REYDON	OWP	CP		4.98	1949,52
		OWMP	CNP			1977
07316410	WASHITA R TRIB NR CRAWFORD	CS			2.18	1965-72
07316500	WASHITA R NR CHEYENNE	STR		OBS JG	794.	1937-
		OWP	CNP			1950-53,60-61,69-73
		OWMP	CNP			1973-75
07317500	SANDSTONE CK SWS L6A NR CHEYENNE	STR			8.78	1952-74
07318000	SANDSTONE CK SWS L6 NR CHEYENNE	STR			11.47	1953-74
07318500	SANDSTONE CK SWS L4 NR CHEYENNE	STR			1.02	1953-74
07319000	SANDSTONE CK SWS L7 NR CHEYENNE	STR			10.13	1953-74
		OWP	CP			1969-70
07319500	SANDSTONE CK NR BERLIN	STR			44.90	1953-72
		OWP	CP			1958
07320000	SANDSTONE CK SWS 104 NR ELK CITY	STR			2.87	1952-74
07320500	SANDSTONE CK SWS 6 NR ELK CITY	STR			6.46	1953-74
07321000	SANDSTONE CK SWS 5 NR ELK CITY	STR			3.89	1953-74
07321500	SANDSTONE CK SWS 3 NR ELK CITY	STR			0.62	1953-74
07322000	SANDSTONE CK SWS 9 NR ELK CITY	STR			3.50	1952-74

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07322500	E BR SANDSTONE CK NR ELK CITY	STR			23.	1951-72
		OWP	CP			1958
07323000	SANDSTONE CK NR CHEYENNE	STR			87.10	1951-74
		QWP	CP			1951-52, 57-58
07323500	SANDSTONE CK SWS 22 NR CHEYENNE	STR			2.25	1953-72
07324000	SANDSTONE CK SWS 1 NR CHEYENNE	STR			5.33	1952-74
		OWP	COP			1969-70
07324109	WASHITA R NR BUTLER	OW				1961
07324150	WASHITA R NR MOOREWOOD	OWP	CP			1970-72
07324190	QUARTERMASTER CK NR HAMMON	OWP	CP			1970-71
07324200	WASHITA R NR HAMMON	STR		VG	1387.	1969-
		OWP	CP	VG		1961, 70-
		OWMP	CNP			1978-79
07324300	FOSS RESERVOIR NR FOSS	RESP		RES JG	1496.	1961-
		QWP	CP	VG		1963-
		OWMP	CNP			1976-77
07324400	WASHITA R NR FOSS	STR		OBS VG	1551.	**1956-57, 61-
		OWP	CP	VG		**1947-48, 70-
		OWMP	CNP			1973-79
07324500	BARNITZ CK NR ARAPAHO	STR			243.	1943-64
		OWP	CP			1952, 55
07325000	WASHITA R NR CLINTON	STR		C	1977.	1935-
		OWP	CP			1953, 58, 60-63
07325300	RAINY MTN CK AT MTN VIEW	LF			309.	1951-55, 58-59
		QWP	CP			1952-55, 58
07325400	STINKING CK NR CARNEGIE	LF			104.	1951-55, 58-61
		OWP	CP			1952-55, 58
07325500	WASHITA R AT CARNEGIE	STR		OBS JG	3129.	1937-
		OWP	CP	VG		1948-
		OWMP	CNP			1973-75
07325753	SPRING CK NR EAKLY	OWP	CP			1961
07325800	COBB CK NR EAKLY	STR		NG	132.	1968-
07325850	LAKE CK NR EAKLY	STR			52.	1969-78
07325860	WILLOW CK NR ALBERT	STR			29.	1970-78
07325900	FT COBB RESERVOIR NR FT COBB	RESP		RES NG	304.	1959-
		OWP	CP			1960-62
07326000	COBB CK NR FT COBB	OWP	CP		313.	**1947-58, 60, 63
		STR		NG		1939-
07326500	WASHITA R AT ANADARKO	STRP		JG	3656.	**1902-08, 63-
		OWD	CP			1952, 65-71
		OWMP	CNP			1975-79
07326720	TONKAWA CK NR ANADARKO	OWD	CP		26.	1968-71
07327000	SUGAR CK NR GRACEMONT	STRP			208.	1956-74
		OWP	CP			1956-60
07327031	SPRING CK NR GRACEMONT	OWP	CP			1961
07327300	WASHITA R NR CHICKASHA	OWP	CP			1952-53, 55, 58-61
07327320	W SALT CK NR CHICKASHA	OWD	COP		22.	1968-71
07327420	W BITTER CK NR TABLER	OWD	CP		60.8	**1953, 61, 65-71
07327432	SPRING CK NR BLANCHARD	QWP	C			1968-71

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07327435	SPRING CK NR TABLER	OWP	C			1968-71
07327437	SPRING CK TRIB NR MIDDLEBERG	OWP	C			1969-71
07327440	E BITTER CK NR TABLER	OWD	CP		35.6	1960-61,68-71
07327449	MCCARDO CK NR CEMENT	OWP	CP			1958-60
07327490	LITTLE WASHITA R NR NINNEKAH	STRP		OBS	JG 208.	1963- 1948-56,68-71
07327500	LITTLE WASHITA R AT NINNEKAH	QWD	CNP			1952-63
		STR			227.	1958-59,61-63
07329000	WASHITA R NR TABLER	OWP	CP			1940-52
		STR			4706.	1947-52
		OWD	CP			1961-74
07329030	BIG DRY CK NR ALEX	CS			7.57	1961-74
07329040	LITTLE DRY CK NR ALEX	CS			0.88	1961-74
07329070	WINTER CK NR ALEX	STRP		JG	33.	1964-
07329100	WASHITA R AT ALEX	STRP		OBS	JG 4797.	1964- 1965-71
		OWD	CP			1961
07329173	CRINER CK NR CRINER	OWP	CP			1958-60
07329200	CRINER CK NR PAYNE	OWP	CP			1961
07329250	FINN CK NR PAYNE	OWP	CP			1951-60
07329300	FINN CK NR STORY	OWP	CP			1937-
07329500	WASHITA R NR PAULS VALLEY	STR		OBS	JG 5330.	1952-63
		QWP	COP			1975-79
		OWPM	CNP			1976-79
		SED	S			
07329700	RUSH CK NR RUSH SPRINGS	STR		OBS	145.	1940-53
07329900	RUSH CK AT PURDY	OWP	CP			1947-54,58
07329500	RUSH CK NR MAYSVILLE	STR		JG	206.	1953-76
		OWD	CP			1954-71
		SED	S			1976
07329550	RUSH CK NR PAULS VALLEY	OWP	CP			1952-53,58-59
07329660	WILDHORSE CK NR HENNEPIN	QWP	CP			1949-50
07329700	WILDHORSE CK NR HOOVER	STR		JG	604.	1969- 1951-59,*. 70-71
		OWD	CP			1955,61
07329772	CHIGLEY SANDY CK NR DAVIS	OWP	CP			1960,69
07329843	ROCK CK N OF SULPHUR	OWP	CP			1960
07329853	ROCK CK S OF PLATT N PK NR SURPHUR	OWP	CP			1949-51,54
07329860	HONEY CK NR TURNER FALLS	OWP	CP			1964-
07329870	HONEY CK NR DAVIS	CS		HG	18.70	1953,55-56
		OWP	CP			1953(**52,NR SLPHR)
07329880	LAWRENCE SPNG NR DRAKE	OWP	CP			1956-67
07329900	ROCK CK AT DOUGHERTY	STR			138.	1951-60
		OWD	CP			1924-26
07330000	WASHITA R NR BERWYN	STR			6815.	1936-50
07330500	CADD0 CK NR ARDMORE	STR			299.	1950-51,58
		QWP	CP			1928-
07331000	WASHITA R NR DICKSON	STR		OBS	A 7202.	1944-
		OWD	BCNPS		A	1973-77
		OWMP	CNP			***1973-
		SED	S		CA	

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07331200	MILL CK NR MILL CK	LF				46.40	1952-55,58-71
		QWP	CP				1952-55,60
07331250	MILL CK NR RAVIA	STR				89.20	1969-71
		QWP					1969
07331300	PENNINGTON CK NR REAGAN	LF				65.70	1951-55,58-73
		QWP	CP				1951-55,58-59
07331401	BUTCHER PEN CK NR TISHOMINGO	QWP	CP				1961
07331410	BUZZARD CK NR REAGAN	CS				4.30	1965-75
07331500	LAKE TEXOMA NR DENISON, TX	RESP		RES	C	39719.	1942-
		QWP	CP				1949-51
07331600	RED R AT DENISON DAM NR DENISON, TX	STRP			C	39720.	1961-
		OWMP	CP				1973-77
07332000	RED R NR COLBERT	STR				39777.	1924-61
		QWP	CP				1960-61
07332070	ROCK CK NR ACHILLE	CS				0.72	1965-74
07332250	ISLAND BAYOU NR ALBANY	LF				132.	1965-73
07332350	BLUE R AT CONNERVILLE	QWP	CP				1951-57,62
07332390	BLUE R NR CONNERVILLE	STR				162.	1977-79
07332400	BLUE R AT MILBURN	STR			JG	203.	1965-
		QWP	CP				1956-60
07332450	BLUE R AT ARMSTRONG	OWMP	CNP			224.	1977
07332470	CHUCKWA CK NR DURANT	QWP	CP				1953
07332500	BLUE R NR BLUE	STRP			C	476.	1936-
		OWD	CP				1951-58,60-63
		OWMP	CNP				1973-79
07332700	MUDDY BOGGY CK NR PARKER	LF				174.	1958-73
07332750	MUDDY BOGGY CK NR COALGATE	QWP	CP				1962
07332800	CANEY BOGGY CK NR ASHLAND	OWD	CNP			49.	1972-75
07332900	COAL CK NR LEHIGH	STR			I	9.50	1978-
		QWH	CNOPS		I		1977-
		SED	S				1978-81
07332950	MUDDY BOGGY CK AT ATOKA	STR			A1	445.	1978-81
		SED	S				1978-81
07333000	N BOGGY CK NR STRINGTOWN	STR				136.	1956-59
		QWP	CP				1956-59
07333330	CHICKASAW CK TRIB NR STRINGTOWN	CS				3.19	1965-72
07333500	CHICKASAW CK NR STRINGTOWN	CS				32.70	*1955-68,69-75
		QWP	CP				1955-58,60
07333800	MCGEE CK NR STRINGTOWN	CS				86.60	*1955-68,69-75
		QWP	CP				1956-58
07333910	MCGEE CK NR FARRIS	STR			B		1978-
		QWH	CP		B		1976-
		QWP	CNP		B		1976-
		SED	S				1978-81
07334000	MUDDY BOGGY CK NR FARRIS	STRP			C	1087.	1937-
		CP					1948,50-56,62-64
		OWMP	CNP				1973-79
07334200	BYRDS MILL SPNG NR FITTSTOWN	STR			RG		1959-
		QWP					1953,55-56

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07334400	CLEAR BOGGY CK NR TUPELO	LF			248.	1958-73
		OWP	CP			1958,60,62
07334420	LEADER CK AT TUPELO	LF			64.30	1958-73
		OWP	CP			1958,60
07334440	DELEWARE CK NR WAPANUCKA	STR			45.80	1958-73
		OWP	CP			1958,60
07334500	CLEAR BOGGY CK NR WAPANUCKA	STR			516.	1940-43
07334800	CLEAR BOGGY CK AB CANEY CK NR CANEY	QWMP				1975-78
07335000	CLEAR BOGGY CK NR CANEY	STRP		C	720.	1942-
		OWP	CP			1952-75
		OWMP	CNP			1975-79
07335300	MUDDY BOGGY CK NR UNGER	STR		OBS JG		1982-
		OWP	CP			1962
07335310	ROCK CK NR BOSWELL	CS		HG	0.94	1965-
07335320	BOKCHITO CK NR SOPER	CS			16.60	1965-75
07335500	RED R AT ARTHUR CITY, TX	STRP		DAR C	44531.	**1936-
		OWP	CP			1960-63
		OWMP	CNP			1975-79
07335700	KIAMICHI R NR BIG CEDAR	STR		A	40.10	1965-
		OWP	RCHPRS	A		1966-
		OWMP	CNP			1973-79
		SED	S	CA		1974-
07335760	KIAMICHI R TRIB NR ALBION	CS			1.50	1965-72
07335790	KIAMICHI R NR CLAYTON	OWMP	CNP		708.	1977
07335900	BUCK CK NR MOYERS	OWP	CP		100.	1956-57,60
07336000	TENMILE CK NR MILLER	OWP	C		69.	1955-58
07336200	KIAMICHI R NR ANTLERS	STRP		DAR C	1139.	1972-
		OWMP	CNP			1975-79
07336500	KIAMICHI R NR BELZONI	STRP			1423.	1926-71
		OWD	CP			1948-54,62-63
07336520	FRAZIER CK NR OLETA	CS		HG	19.40	1964-
07336600	LAKE HUGO NR HUGO	RESP		C		1974-
07336700	KIAMICHI R NR SAWYER	OWP	CP			1962
		OWMP	CNP			1978-79
07336710	ROCK CK NR SAWYER	CS			3.39	1964-74
07336730	RED R NR VALLIANT	OWP	CNP		46730.	1971-76
07336760	RED R NR MILLERTON	OWP	CNP		46930.	1971-76
07336780	PERRY CK NR IDABEL	CS			7.53	1965-73
07336785	BOKCHITO CK NR GARVIN	CSR			2.96	1965-75
07336820	RED R NR DEKALB, TX	OWMP	CNP		47348.	1973-77
07336950	RED R NR NEW BOSTON, TX	OWP	C			1961-63
07337000	RED R AT INDEX, ARK	OWD	C			1960-63
07337100	LITTLE R NR CLOUDY	OWMP	CNP		324.	1975-79
07337150	LITTLE R NR ALIKCHI	OWP	CP			1953 (62 NR RINGLD)
07337200	LITTLE R NR RINGOLD	OWP	CP			1962
07337220	BIG BRANCH NR RINGOLD	CS			1.99	1964-74
07337250	LITTLE R AB PINE CK LAKE NR WRIGHT CTY	OWMP	CNP			1976-77
07337300	PINE CK LAKE NR WRIGHT CITY	RESP		RES C	635.	1969-

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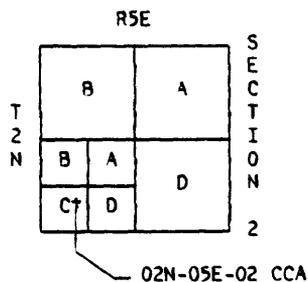
STATION NUMBER	STATION NAME	TYPE OF DATA	O.W. PARASITIC METERS	STAGE SOURCE	DRAINAGE AREA (SQ. MI.)	PERIOD OF RECORD
07337500	LITTLE R NR WRIGHT CITY	STRP		C	645.	1929-31,44-1953
		OWP CP				1953
		QWMP CNP				1975-76
07337650	LITTLE R NR MILLERTON					1953
07337900	GLOVER CK NR GLOVER	STRP		DAR C	315.	1961-
		OWP CP				1949,53,62-63
		OWMP CNP				1975-79
07337920	FIFTEEN CK NR GLOVER	CS			1.23	1967-73
07337930	GLOVER R NR BROKEN BOW	OWP CP				1949
07337950	LITTLE R NR GARVIN	OWP CP				1953
07338000	LITTLE R NR IDABEL	STRP			1173.	1930-46
		OWD COP				1948-54
07338500	LITTLE R BL LUKFATA CK NR IDABEL	STRP		DAR C	1226.	1946-
		OWP COP				1948-54,61-63,69-73
		QWMP CNP				**1947-54,76-79
07338520	YANUBBEE CK NR BROKEN BOW	CSR		HG	9.10	1964-
07338780	MOUNTAIN FK TRIB NR SMITHVILLE	CS		HG	0.85	1965-
07338840	MOUNTAIN FK NR SMITHVILLE	OWMP CNP				1976-79
07338900	BROKEN BOW LAKE NR BROKEN BOW	RESP		RES C	754.	1968-
07339000	MOUNTAIN FK NR EAGLETOWN	STRP		DAR C	787.	1924-25,29-
07339010	MOUNTAIN FK BL EAGLETOWN	OWP CP				1961-63
07339100	LITTLE R NR CERROGORDO	OWP CP				1961-63
07340000	LITTLE R NR HORATIO, AR	QWMP CNP				1978-79

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Table 3--Continuous and partial record ground-water level measuring sites in Oklahoma.

COUNTY	LOCAL IDENTIFIER	LATITUDE/ LONGITUDE ¹	AQUIFER ²	DIAMETER (inches)	DEPTH (feet)	COOP ²	FREQ ³	PERIOD OF RECORD	CITY
ADAIR	18N-26E-32 CDB	355927 0943408	BOON	6	33	AJ	Q	1983-	WESTVILLE
ALFALFA	28N-11W-27 DAD	365342 0981753	ALVM	6	36	AJ	C	1967-	BURLINGTON
ATOKA	03S-10E-34 CBB	341501 0961454	ALRS	5	155	AJ	Q	1983-	CANEY
BEAVER	02N-24E-07 CCD	363853 1003110	OGLL	6	94	AJ	Q	1946,67-	ELMWOOD
BLAINE	15N-10W-32 BAC	354412 0981727	ALVM	5	52	AJ	C	1980-	GREENFIELD
CADDO	09N-13W-28 DDD	351308 0983416	RSPG	6	335	AJ	C	1948-	ALFALFA
	11N-13W-21 DDD	352443 0983417	RSPG	5	210	AJ	C	1965-	EAKLEY
CANADIAN	12N-05W-18 ADA	353107 0974537	ALVM	12	47	AJ	C	1980-	YUKON
CIMARRON	03N-07E-09 BBB	364450 1021900	OGLL	6	61	AJ	Q	1938-	KEYES
CLEVELAND	08N-02W-27 ACD	350816 0972331	GRBR	12	461	AJ	Q	1943-	NOBLE
COAL	01S-10E-27 BAB	342619 0961442	MCAL	8	32	AJ	C	1978-	LEHIGH
COMANCHE	01N-13W-04 BAA	343540 0983420	ABCKU	6	997	A	M	1972-	CACHE
CRAIG	27N-19E-25 CBB	364705 0951353		6	102	AJ	C	1980-	PYRAMID
CREEK	17N-08E-30 CBB	355510 0962935	VMOS	6	58	AJ	C	1969-	DRUMWRIGHT
CUSTER	14N-14W-17 CBD	354112 0984306	RSPG	16	320	AJ	C	1971-	THOMAS
DELAWARE	20N-24E-04 DCC	361415 0944525	BOON	6	30	AJ	C	1983-	KANSAS
ELLIS	21N-24W-33 BBD	361536 0994646	OGLL	5	205	AJ	C	1977-	GAGE
	24N-26W-21 CAA	363235 0995928	OGLL	5	120	AJ	C	1972-	CATESBY
GRADY	04N-08W-33 BBB	344656 0980314	RSPG	6	254	A	C	1948-	RUSH SPRINGS
HARMON	03N-26W-33 ABA	344143 0995606	GDCK	16	237	AJ	C	1983-	HOLLIS
HASKELL	10N-20E-13 DDD	352006 0950801	MCAL	5	148	AJ	C	1981-	STIGLER
JOHNSTON	04S-04E-16 BBC	341243 0965345	ALRS	6	54	AJ	C	1983-	MANNVILLE
KAY	26N-02E-26 BDD	364210 0970254	ALVM	30	38	AJ	W	1948-1983	PONCA CITY
LATIMER	06N-22E-18 DCC	345908 0950130	MCAL	5	138	AJ	C	1981-	RED OAK
LEFLORE	08N-25E-04 CDC	351122 0944039	ATCK	5	136	AJ	C	1981-	PANAMA
	08N-26E-14 ACC	351002 0943144	ATCK	5	277	AJ	C	1981-	WILLIAMS
LINCOLN	15N-06E-29 AAA	354442 0964008	VMOS	6	339	AJ	C	1977-	STROUD
LOGAN	15N-02E-22 CCB	354525 0972422	GRBR	6	146	AJ	C	1983	SEWARD
MAJOR	20N-09W-04 AAA	361442 0980928	ALVM	6	60	AJ	C	1965-	AMES
MCCURTAIN	06S-24E-36 DCD	355904 0944440	ALRS	12	62	AJ	C	1983	ISABEL
MUSKOGEE	15N-19E-15 DDD	354613 0951610	ALVM	1.25	29	A	Q	1958,74-	FORT GIBSON
	11N-19E-35 BBB	351833 0951554	MCAL	6	40	AJ	C	1981-	PORUM
OKLAHOMA	11N-03W-01 CDD	352705 0972812	GRBR	8	354	AJ	C	1976-	OKLAHOMA CITY
	11N-02W-02 BDD	352725 0972247	GRBR	11	274	AJ	M	1976-	MIDWEST CITY
	11N-02W-02 ABA	352750 0972230	GRBR	11	751	AJ	M	1976-	MIDWEST CITY
	11N-03W-23 BCD	352449 0972932	GRBR	8	26	AJ	C	1976-	OKLAHOMA CITY
	12N-02W-26 CBB	352910 0972320	GRBR	11	748	AJ	M	1976-	MIDWEST CITY
OSAGE	24N-09E-10 AAD	362935 0962915	VMOS	13	55	AJ	C	1971-	WYNONA
OTTAWA	28N-23E-30 DCC	365229 0945202	RBDX	5	1410	AJ	C	1907-	MIAMI
PAYNE	19N-01E-23 CDC	360615 0971005	ALVM	7	47	AJ	Q	1934-	STILLWATER
	19N-04E-15 CBB	360725 0965215	GRBR	6	49	AJ	O	1934-	STILLWATER
	19N-03E-02 BBA	360930 0965730	GRBR	6	34	AJ	O	1934-	STILLWATER
	20N-02E-21 CCD	361120 0970550	GRBR	6	41	AJ	O	1934-	STILLWATER
	18N-03E-12 CDC	360245 0965620	GRBR	6	39	AJ	O	1951-	STILLWATER
	19N-03E-35 AAB	360515 0965645	GRBR	6	49	AJ	Q	1934-	STILLWATER
	20N-03E-23 BAB	361205 0965725	GRBR	6	27	AJ	Q	1934-	STILLWATER
PITTSBURGH	07N-16E-25 CDC	350241 0953411	BCGY	5	140	AJ	C	1980	BLOCKER

1.--LOCAL IDENTIFIER gives township, range, section number, and quarter-quarter-quarter section. (see sketch)



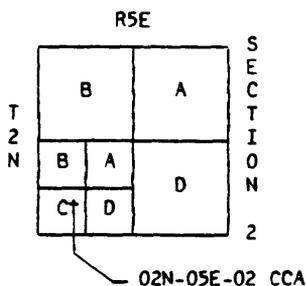
2.--Codes for AQUIFER and COOP are given on last page of report.

3.--FREQ is frequency that water level is measured (C)-continuous, (Q)-quarterly, (M)-monthly, and (W)-weekly.

Table 3--Continuous and partial record ground-water level measuring sites in Oklahoma.

COUNTY	LOCAL IDENTIFIER	LATITUDE/ LONGITUDE ¹	AQUIFER ²	DIAMETER (inches)	DEPTH (feet)	COOP ²	FREQ ³	PERIOD OF RECORD	CITY
PONTOTOC	01N-06E-04 CAD	343457 0964045	ABCKU	18	707	AJ	C	1959-	FITSTOWN
ROGER MILLS	15N-24W-19 DDA	354527 0994705	OGLL	12	122	AJ	C	1970-	ROLL
SEQUOYAH	11N-27E-21 CDD	352419 0942704	ALVM	8	48	AJ	C	1960-	MOFFETT
TEXAS	01N-12E-35 BDD	363033 1014407	OGLL	7	386	AJ	C	1956-	TEXHOMA
WASHITA	10N-19W-10 BBB	353505 0991225	ELKC	8	107	A	C	1979-	BURNS FLAT
WOODS	28N-14W-35 BCC	365143 0984042	CDHL	13	54	AJ	C	1972-	ALVA
WOODWARD	20N-19W-13 ABB	361256 0991021	RSPG	6	40	AJ	C	1972-	MUTUAL
	21N-22W-23 BBB	361714 0993151	RSPG	6	322	AJ	C	1957-63,65-	SHARON

1.--LOCAL IDENTIFIER gives township, range, section number, and quarter-quarter-quarter section. (see sketch)



2.--Codes for AQUIFER and COOP are given on last page of report.

3.--FREQ is frequency that water level is measured (C)-continuous, (Q)-quarterly, (M)-monthly, and (W)-weekly.

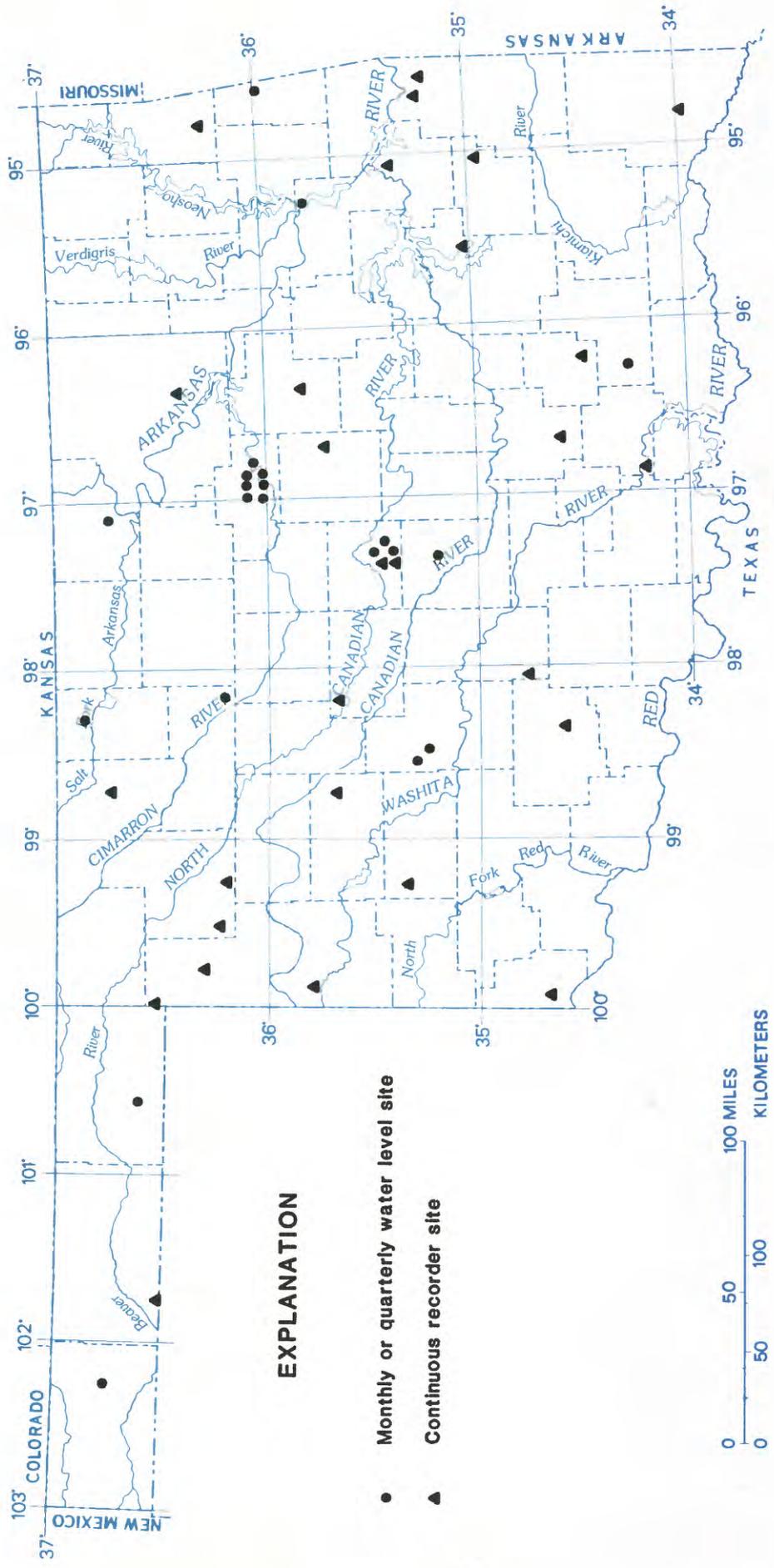


Figure 2.--Locations of measured water wells.

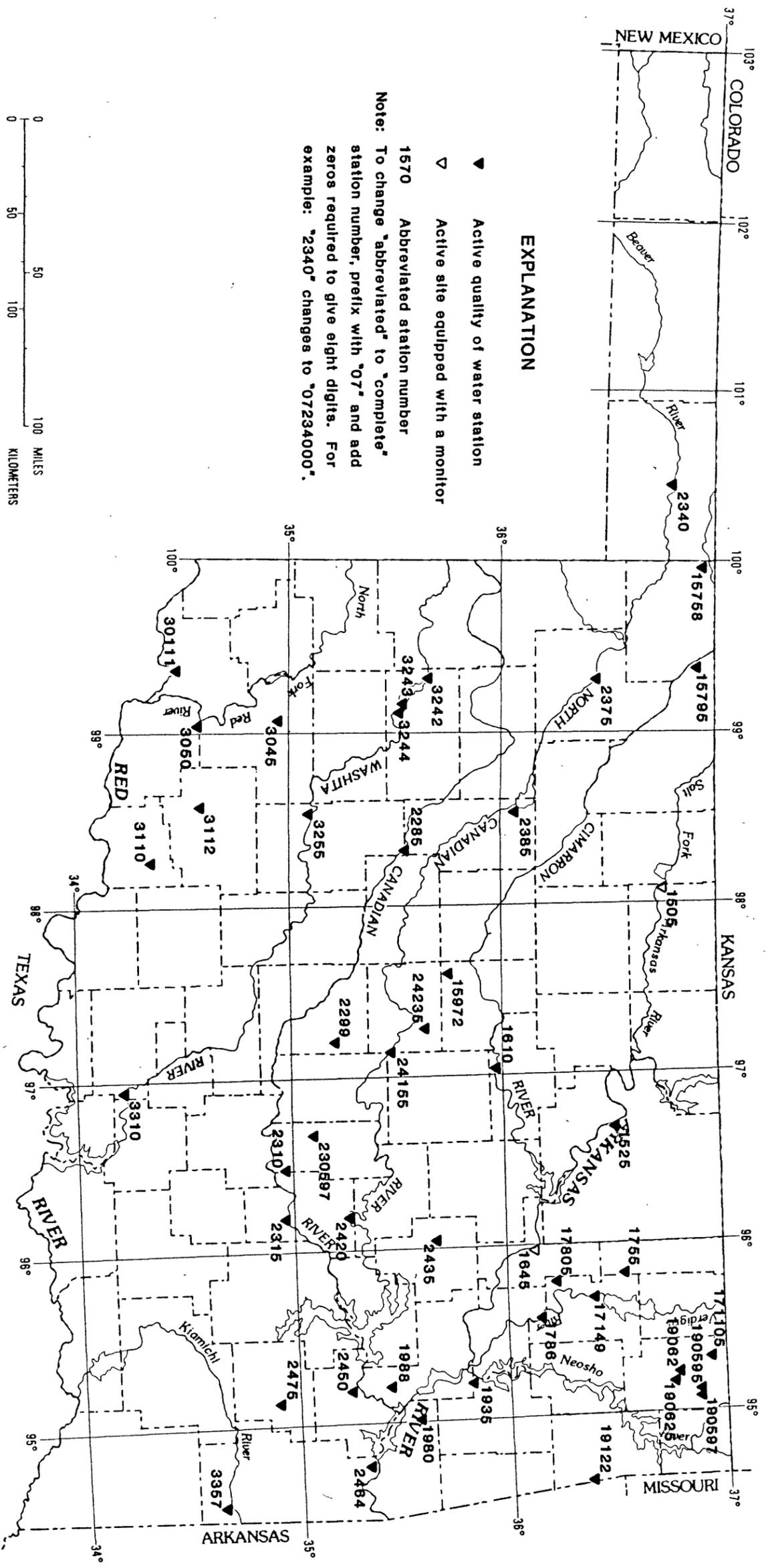


Figure 4.--Locations of quality-water sampling sites.

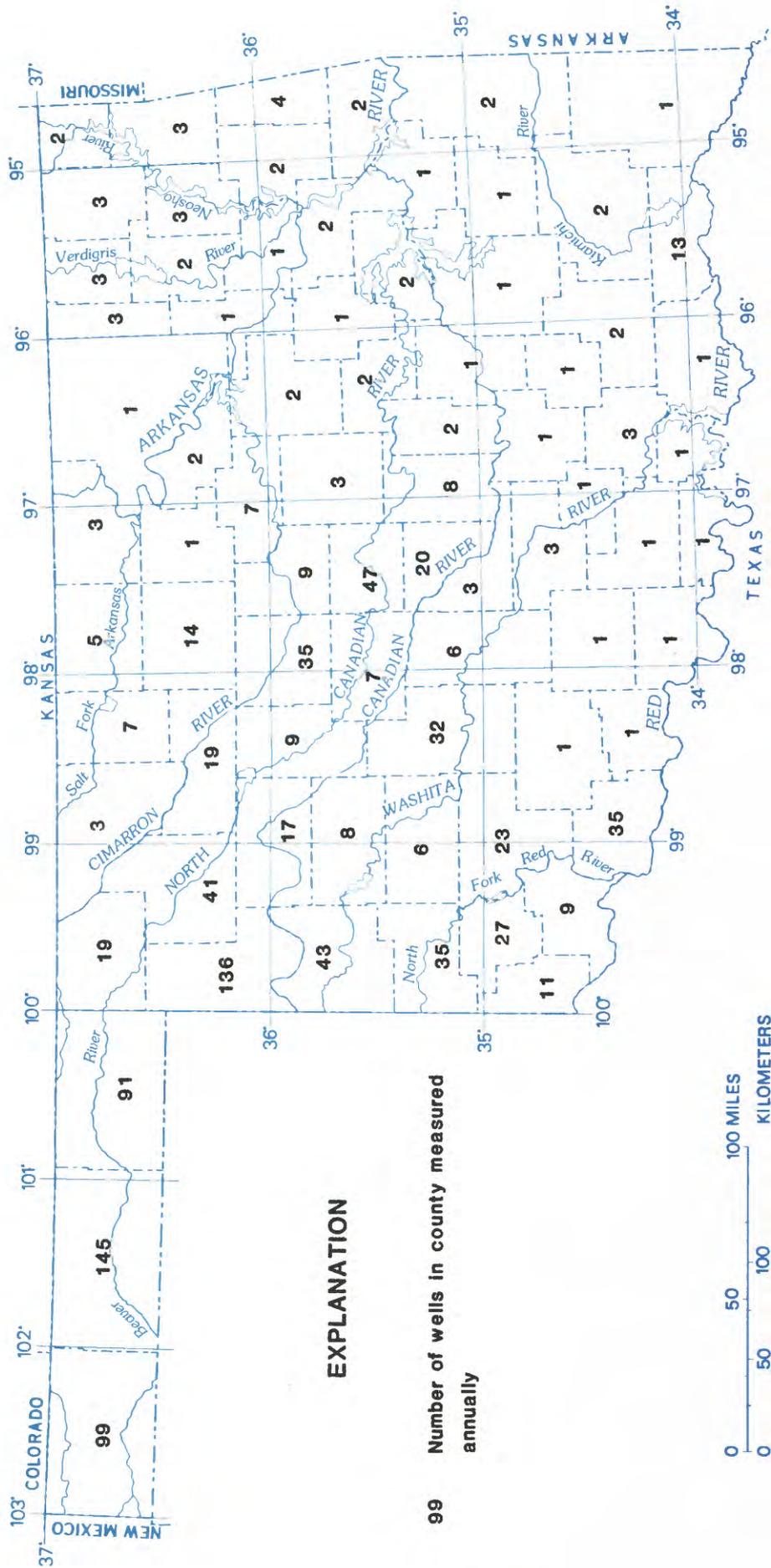


Figure 3.--Number of water wells measured in each county during winter period.

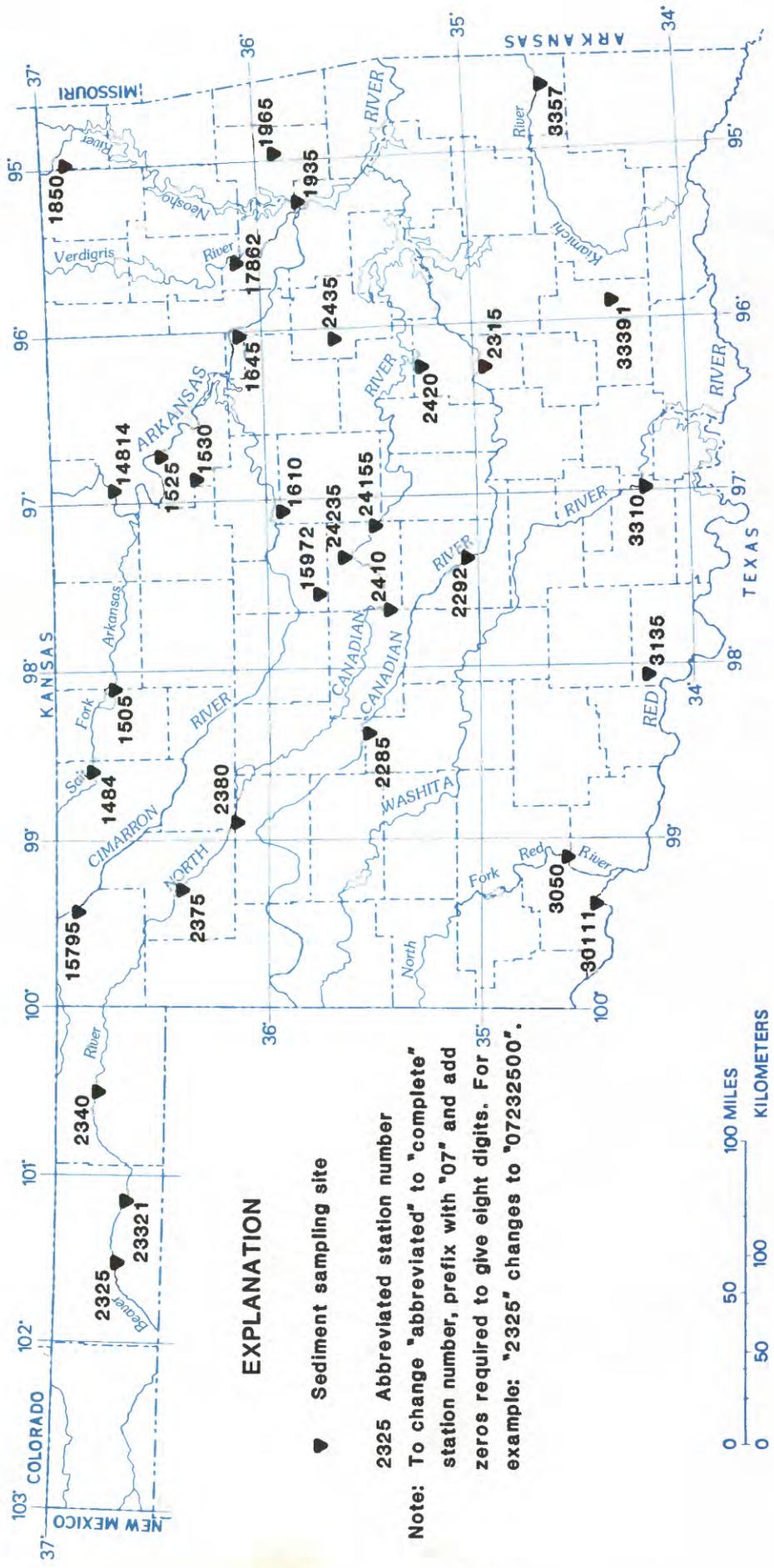


Figure 5.--Locations of sediment sampling sites.

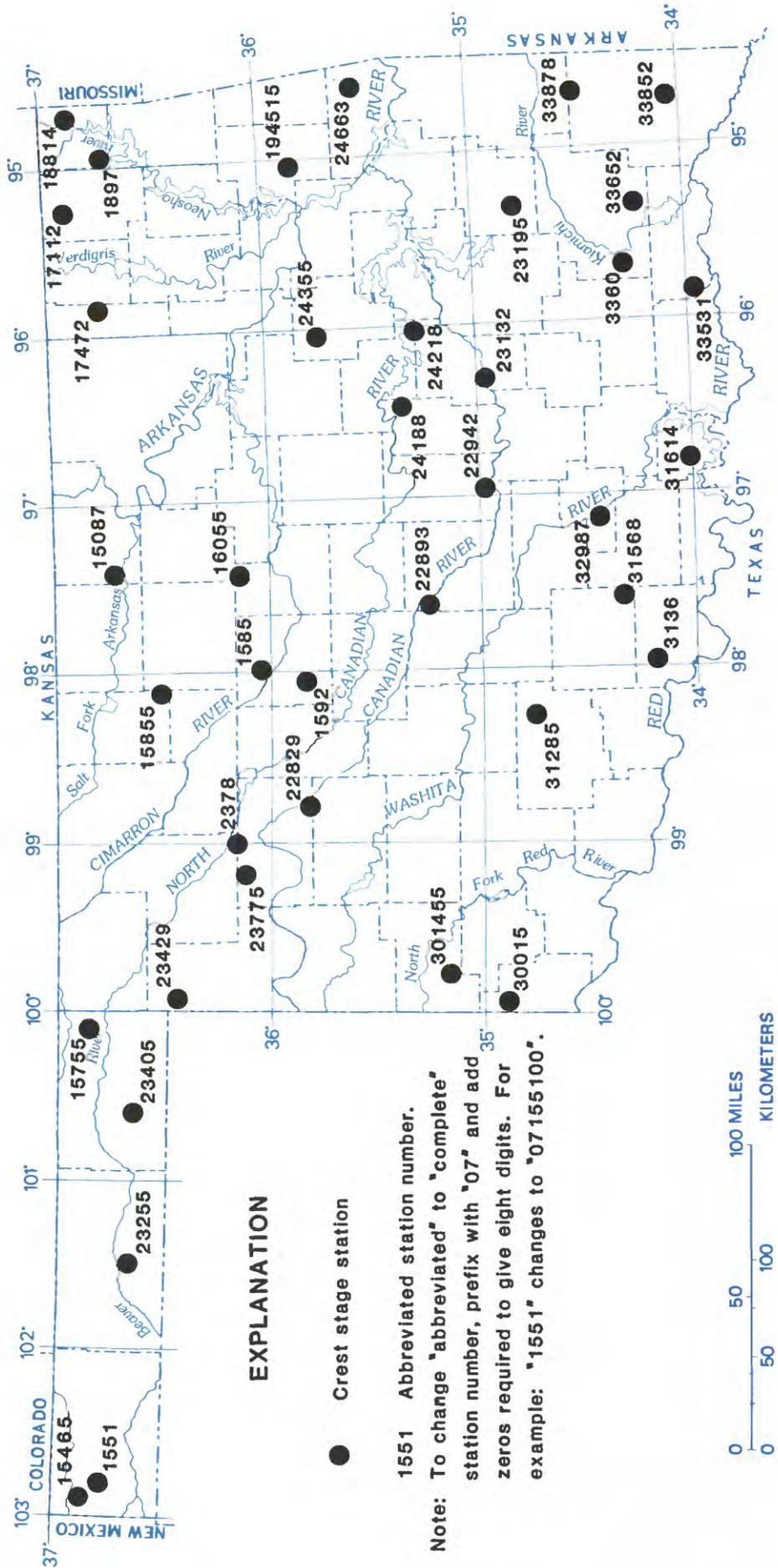


Figure 6.--Locations of partial record stations.

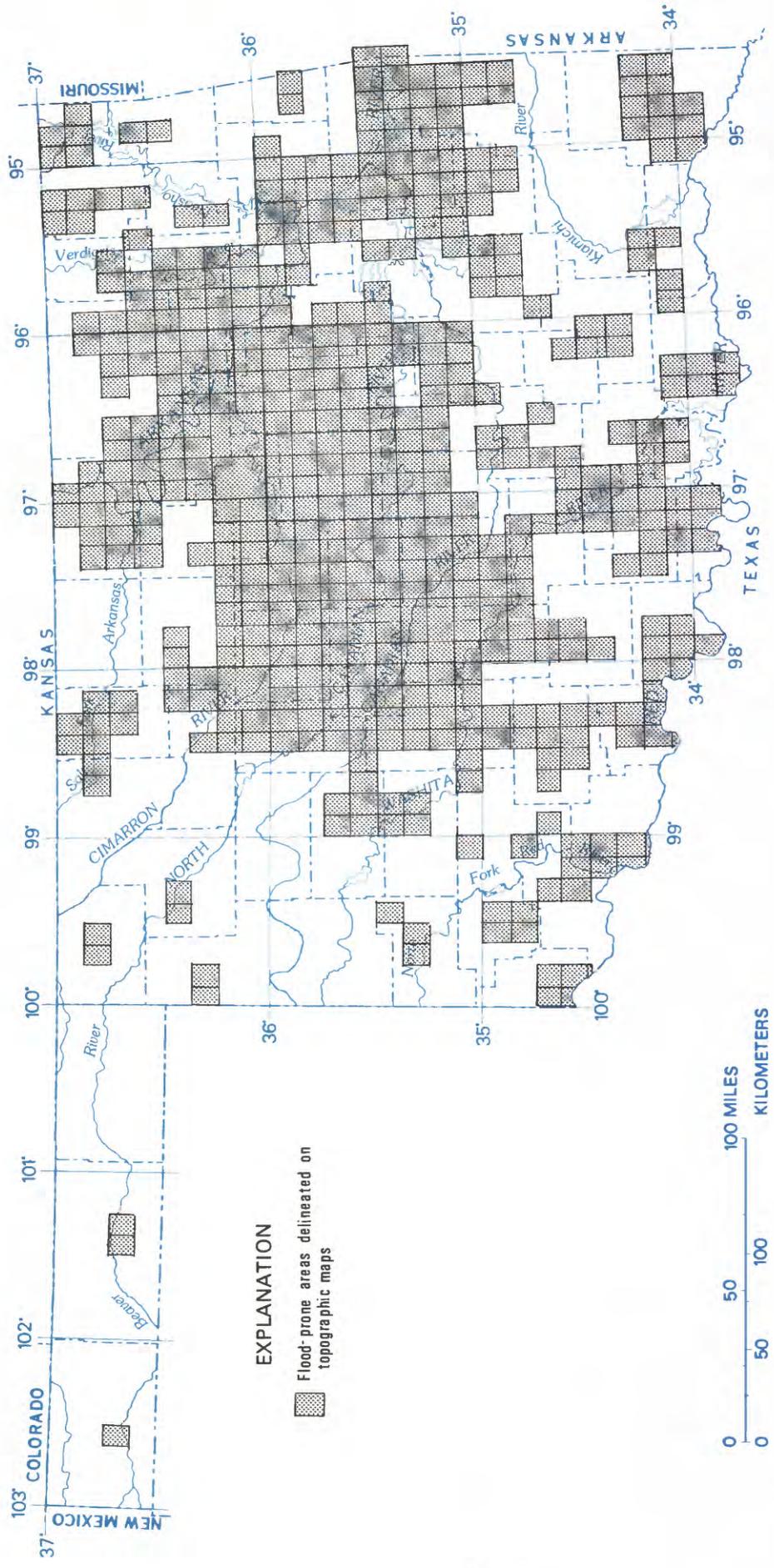


Figure 7.--Index map showing availability of flood-prone area maps.

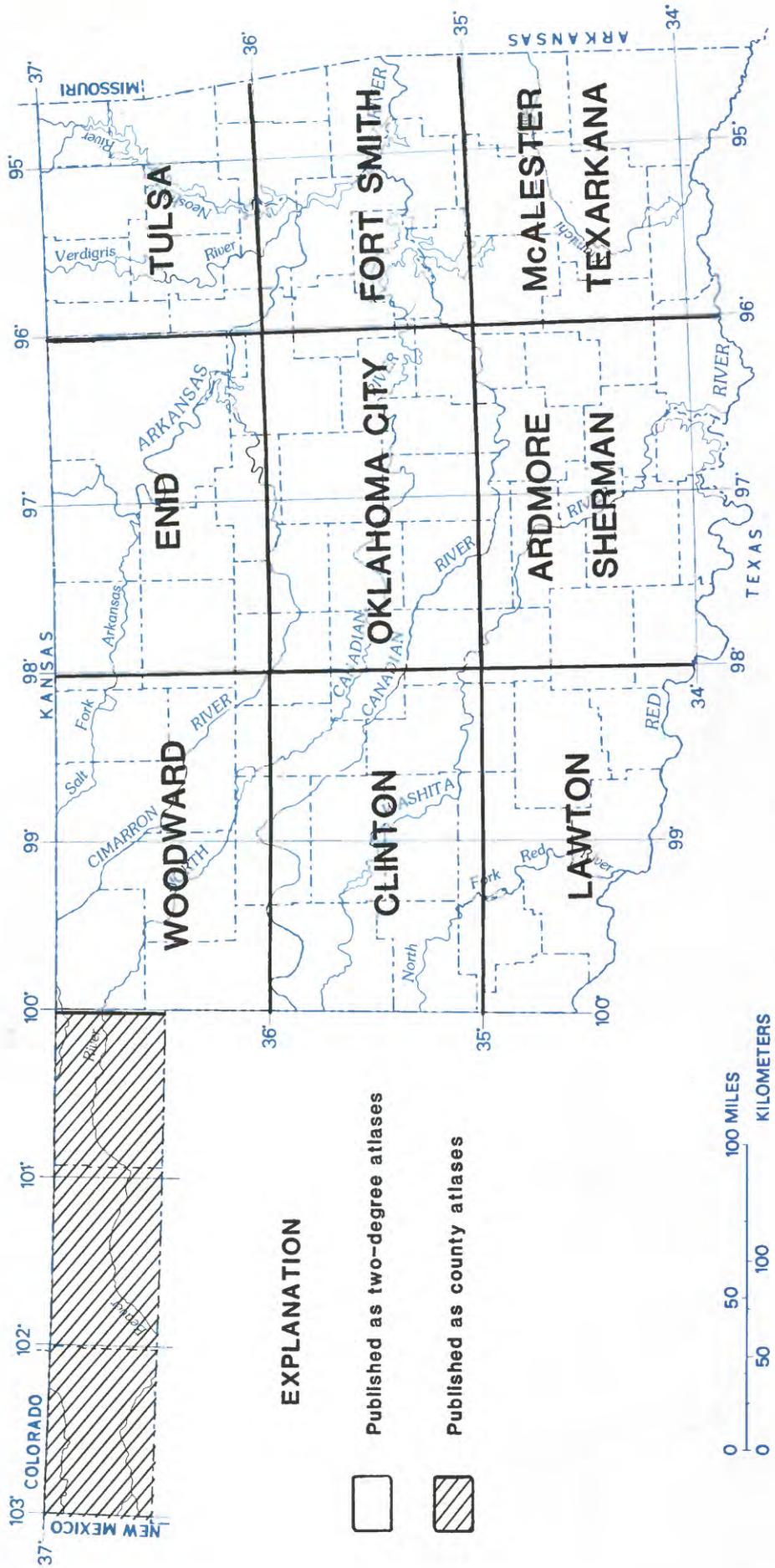


Figure 8.--Areas for which reconnaissance hydrologic studies have been made.

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CODES USED IN TABLES

Station Type

CS = Crest stage and discharge	RES = Reservoir gage operated and published by USGS
CSR = Flood hydrograph and rainfall (SR recorder)	RESP = Reservoir gage operated by another agency and published by USGS
LF = Low flow site	RESU = Reservoir gage unpublished
PR = Partial record site	SED = Sediment sample collection
QWD = Quality of water-daily	STGU = Stream gage only-unpublished
QWH = Quality of water-hourly	STRP = Stream gage operated by another agency and published by USGS
QWP = Quality of water-periodic	
QWMP = Quality of water analyzed by another agency, published by USGS	

Q.W. Parameters

B = Biological
C = Chemical
N = Nutrients
O = Organic
P = Physical
R = Radiological
S = Sediment

Stage Source

BDT = Binary decimal transmitter
HPT = Helipot
OBS = Daily Observer
DAR = DARDC
RES = Resident
TMK = Telemark

(Some parameters not collected at the frequency indicated by Station Type.)

Cooperator (Coop)

A = Federal	N = Fort Cobb Master Conservancy District ¹
B = U.S. Bureau of Reclamation	O = Oklahoma Geological Survey
C = U.S. Corps of Engineers	P = City of Tulsa ¹
D = Discontinued	Q = City of Altus ¹
E = Oklahoma Pollution Coordinating Board	R = City of Ada ¹
F = Federal Emergency Management Agency	S = City of Sapulpa ¹
G = USGS Cooperative Matching Funds	T = Lugert-Altus Irrigation District ¹
H = Oklahoma Dept. of Transportation	U = City of Lawton ¹
I = U.S. Bureau of Land Management	V = Foss Reservoir Master Conservancy District ¹
J = Oklahoma Water Resources Board	W = Operated by a neighboring state
K = City of Oklahoma City	X = Oklahoma Gas and Electric Company ¹
L = Grand River Dam Authority ¹	Y = Cities of Edmond and Guthrie ¹
M = Central Oklahoma Master Conservancy District ¹	Z = City of Claremore ¹
	1 = Operated by a contractor

¹ Funds provided through the Oklahoma Water Resources Board

Aquifer Symbols

ABCKU = Arbuckle, upper	GDCK = Dog Creek
ATCK = Atoka	GRBR = Garber-Wellington
ALRS = Antlers	MCAL = McAlester
ALVM = Alluvium	OGLL = Ogallala
BOON = Boone	RBDX = Roubidoux
CDHL = Cedar Hills	RSPG = Rush Springs
ELKC = Elk City	VMOS = Vamoosa