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**MASTER**

Missouri River Basin  
STATE AND FEDERAL WATER AND RELATED LAND RESOURCE PROGRAM  
Fiscal Years 1979-1985

**Kansas**

**Volume 4**

Missouri River Basin Commission  
December 1978

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MISSOURI RIVER BASIN  
STATE AND FEDERAL WATER AND RELATED LAND RESOURCE PROGRAMS  
FISCAL YEARS 1979-1983<sup>5</sup>

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1978

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## PREFACE

This Commission report shows the results of the annual State and Federal planning program review conducted by authority of MRBC Policy Statement E, as approved by consensus July 11, 1973, and revised May 5, 1977.

Continuing with a more convenient document, the report is divided into 11 volumes. Volume 1 contains Federal agency program descriptions and generalized summary tables. Volumes 2-11 detail programs in each member State.

The report documents State and Federal water and related land resources planning, development, and management activities. The purpose of the combined program review is to better enable basin States and Federal agencies to coordinate water resource planning activities. A new program format has been developed that allows the identification of all funding participants listed under the Land Agency Basinwide programs to display individual State funding for comparison purposes. Additional detailed information on various projects may follow a general program description.

There are several hundred planning and study activities listed in the report. The MRBC staff gratefully acknowledges the cooperation of the State and Federal members, their agencies, and staff members for obtaining the material contained in the report.

Copies of Volumes 1-11 are available upon request from the Missouri River Basin Commission, Suite 403, 10050 Regency Circle, Omaha, Nebraska 68114.



## USER'S GUIDE

This State and Federal Water and Related Land Resource Program Report consists of 11 volumes.

Volume 1 contains Federal agency program descriptions and generalized summary tables for the basin.

Volumes 2-11 contain summary tables and program descriptions in each of the member States.

Volume 1 is organized such that the reader can first turn to a description of each Federal agency's programs followed by a summary of water and related land resource programs within the Missouri River Basin.

The summaries of the planning and construction funding for State and local programs, Federal agency ongoing programs, and Federal agency new start or resumption programs are included next to provide the reader with a general understanding of the funding for water and related land resources by State and Federal agency within the Missouri River Basin.

The summary tables are only included to provide a generalized summation of the funding levels and do not necessarily represent the true total of the funding for each specific program listed in the report. For certain programs, the reported funding was not separable by fiscal year--it was included with other activities or included under another State's or Federal agency's programs.

Volumes 2-11 are organized by State. The reader will find: (1) a summary of the funding for State and local planning and construction, followed by specific State and local program activities and their funding; (2) a summary of the funding for Federal agency ongoing planning and construction programs, followed by specific Federal agency ongoing programs and their funding; and (3) a summary of the funding for Federal agency new start or resumption programs, followed

by the specific Federal agency new start or resumption programs and their funding.

Program information records list the land agency on the basis of maximum funding. Assisting agency area also included on a basis of funding.

For the purpose of comparison and considering the program types as used in the volumes have been defined as follows:

**DATA COLLECTION  
AND ANALYSIS:**

Acquisition and interpretation of basic information and data. (Examples: soil survey; stream gaging; archaeological, land use, water use, environmental inventories; topographic mapping).

**PLANNING RELATED  
RESEARCH:**

Problem related and applied research activities having water or related land resources planning applications. (Examples: water resources planning methodology; environmental impact assessment methodology; transfer of research results to practice).

**SPECIAL STUDIES:**

Investigations and analysis of unique issues or problems that may include elements of the other five categorical classifications. (Examples: alternative uses of water; upland erosion and sediment control; reevaluation of an authorized project, EPA Section 208 studies).

**REGIONAL OR RIVER  
BASIN PLANNING:**

Reconnaissance level evaluations of water and related land resources for a selected region or river basin. (Examples: Framework Studies; Regional or River Basin level B Studies; Subregional analyses; and others).

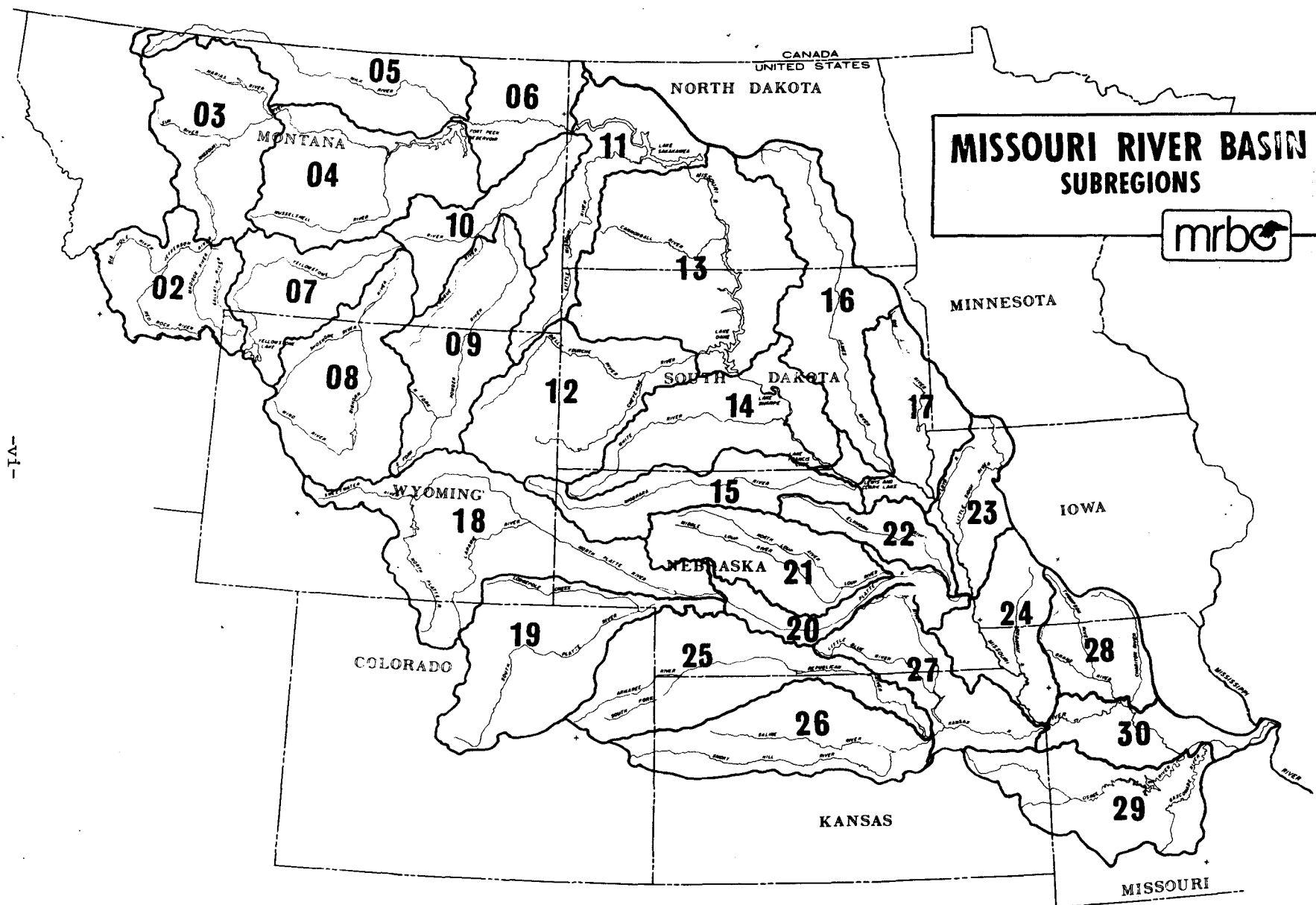
**IMPLEMENTATION  
STUDIES:**

Preliminary or detailed investigations of the feasibility of a program or project or the design. (Examples: review or survey reports, feasibility studies, resource evaluations).

**IMPLEMENTATION OF  
PROJECTS AND  
PROGRAMS:**

Actual construction of authorized projects or implementation of authorized programs. (Examples: P.L. 566, assistance in coordination, Fish and Wildlife Research programs).

To obtain a true portrait of the program funding reported by each State and Federal agency and included in this report, one must study the program information records, which list the individual programs by State and Federal agency.



## ABBREVIATIONS

Admin.	Administration
AE&D	Advanced Engineering & Design
Ag.	Agriculture
Bd.	Board
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
BOM	Bureau of Mines
BR	Bureau of Reclamation
CO	Colorado
COE	Corps of Engineers
COG	Council of Governments
Comm.	Commission
Cons.	Conservation
Cont.	Continuing
COOP	Cooperative
Dept.	Department
DOC	Department of Commerce
DOT	Department of Transportation
Dev.	Development
Dist.	District
Div.	Division
E	Entitlement
EDA	Economic Development Administration
EDS	Environmental Data Service
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
EQ	Environmental Quality
ERDA	Energy Research and Development Administration
ESCS	Economics, Statistics, and Cooperatives Service
FERC	Federal Energy Regulatory Commission
FIA	Flood Insurance Administration
FmHA	Farmers Home Administration
FS	Forest Service
FWS	Fish and Wildlife Service
GDM	General Design Memorandum
GS	Geological Survey
H	Hold-Harmless
HEW	Department of Health, Education and Welfare
HCRS	Heritage, Conservation and Recreation Service
HUD	Department of Housing and Urban Development
Hwy.	Highway
IA	Iowa
IDWC	Interdepartmental Water Conference
IHS	Indian Health Service
Imp.	Improvement
KS	Kansas
Lab.	Laboratory

Metro.	Metropolitan
MGD	Million gallons per day
MN	Minnesota
MO	Missouri
MRB	Missouri River Basin
MRBC	Missouri River Basin Commission
MT	Montana
Mtns.	Mountains
M&I	Municipal & Industrial
NE	Nebraska
NED	National Economic Development
ND	North Dakota
NM	New Mexico
NOAA	National Oceanic & Atmospheric Administration
NPDES	National Pollution Discharge Elimination System
NPS	National Park Service
NWS	National Weather Service
OWRT	Office of Water Research and Technology
P.L.	Public Law
RC&D	Resource Conservation and Development
SEA	Science and Education Administration
SCS	Soil Conservation Service
SD	South Dakota
SEAM	Surface Environment and Mining
Tribs.	Tributaries
Univ.	University
USDA	U.S. Department of Agriculture
WRC	Water Resources Council
WY	Wyoming

# VOLUME 4 KANSAS

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Energy Related Wildlife Studies-----			62	Special Study	4 - 143
Resource Inventories and Management Framework Plans-----			FNS	Regional Planning	4 - 144
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/BUREAU OF MINES (BOM)</u>					
<u>LEAD AGENCY PROGRAMS</u>					
Mineral Availability Studies-----			24	Data Collection	4 - 145
Resource and Environmental Studies-----			20	Regional Planning	4 - 146
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/BUREAU OF RECLAMATION (BR)</u>					
<u>LEAD AGENCY PROGRAMS</u>					
Atmospheric Water Resources Research Including High Plains Cooperative Program-----			1,600	Prog. Implement.	4 - 147
Bureau of Reclamation Irrigation Facilities Rehabilitation and Betterment Program/Loan-----			609,000	Impl. Study	4 - 148
Examination of Existing Structures Program/Safety of Dams-----			661	Impl. Study	4 - 149
Glen Elder Unit/Kansas-----			FNS	Impl. Study	4 - 150
Kannapolis Unit/Kansas-----			FNS	Prog. Implement.	4 - 151
Kansas State Water Plan/Phase II-----			175	Regional Planning	4 - 152
Republican River Basin Water Management Study/Kansas, Colorado, and Nebraska-----			254	Special Study	4 - 153
Scandia Unit/Kansas-----			FNS	Impl. Study	4 - 154
Solomon River Basin Study/Kansas-----			275	Regional Planning	4 - 155

\*FNS - Funding Not Specified

AGENCY Program Title	KANSAS AGENCY PROGRAM INDEX FEDERAL AGENCIES	FY 79 Funding \$1,000	Category	Page No.
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/BUREAU OF RECLAMATION (BR) (con't.)</u>				
<u>LEAD AGENCY PROGRAMS</u>				
Weather Modification Program-----	FNS*		Research	4 - 156
Western Hydroelectric Power Inventory Special-----	421		Special Study	4 - 157
<u>ASSISTING AGENCY PROGRAMS</u>				
Streamgaging Stations-----	FNS		Data Collection	4 - 181
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/FISH AND WILDLIFE SERVICE (FWS)</u>				
<u>LEAD AGENCY PROGRAMS</u>				
Animal Damage Control-----	FNS		Prog. Implement.	4 - 158
Biological Services-----	FNS		Prog. Implement.	4 - 159
Denver Wildlife Research Center, Denver, Colorado-----	FNS		Prog. Implement.	4 - 160
Endangered Species-----	FNS		Prog. Implement.	4 - 161
Environmental Contaminant Evaluation-----	FNS		Prog. Implement.	4 - 162
Fish and Wildlife Research Programs, North Dakota/Northern Prairie Wildlife Research Center, Jamestown, ND-----	FNS		Prog. Implement.	4 - 163
Inland Fisheries-----	FNS		Prog. Implement.	4 - 164
Interpretation and Recreation-----	FNS		Prog. Implement.	4 - 165
Land and Water Resource Development Planning-----	FNS		Prog. Implement.	4 - 166
Mammals and Nonmigratory Birds-----	FNS		Prog. Implement.	4 - 167
Migratory Birds-----	FNS		Prog. Implement.	4 - 168
<u>ASSISTING AGENCY PROGRAMS</u>				
Streamgaging Stations-----	FNS		Data Collection	4 - 181
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/GEOLOGICAL SURVEY (USGS)</u>				
<u>LEAD AGENCY PROGRAMS</u>				
Availability of Ground Water in North-Central Kansas-----	FNS		Data Collection	4 - 169
Channel Geometry as Related to Discharge Characteristics of Regulated Streams in Kansas-----	FNS		Research	4 - 170
Evaluations of the Ground Water Quality Network and Interpretive Analyses of Data from Network				
Operation in Kansas-----	FNS		Data Collection	4 - 171
Flood Investigations/Kansas-----	FNS		Data Collection	4 - 172
Ground Water Stations-----	12		Data Collection	4 - 173
Ground Water Stations-----	FNS		Data Collection	4 - 174
Influence of Sediment and other Variables on Active-Channel Geometry-----	30		Research	4 - 175
Numerical Models of Streamflow in Kansas-----	FNS		Research	4 - 176
Sediment Stations-----	48		Data Collection	4 - 177
Sediment Stations-----	FNS		Data Collection	4 - 178
Streamflow Characteristics/Kansas-----	FNS		Research	4 - 179
Streamgaging Stations-----	348		Data Collection	4 - 180
Streamgaging Stations-----	FNS		Data Collection	4 - 181
Techniques for Estimating Ground Water Withdrawals in Western Kansas-----	FNS		Research	4 - 182
Water Quality Stations-----	FNS		Data Collection	4 - 183
Water Quality Stations-----	FNS		Data Collection	4 - 184
Water Use Data for Kansas-----	FNS		Data Collection	4 - 185
Water Yield Estimation For Ungaged Small Basins in Kansas-----	FNS		Research	4 - 186
<u>ASSISTING AGENCY PROGRAMS</u>				
Water Use Data Program-----	105		Data Collection	4 - 15
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/HERITAGE, CONSERVATION AND RECREATION SERVICE (HCRS)</u>				
<u>LEAD AGENCY PROGRAMS</u>				
Conservation Management Plan - Upper North Platte River-----	6		Prog. Implement.	4 - 187
National and State Trail System Planning-----	2		Special Study	4 - 188
Natural History Theme Studies-----	4		Special Study	4 - 189
Republican River Basin Total Water Management Study-----	1		Regional Planning	4 - 190
State Comprehensive Outdoor Recreation Planning-----	5		Regional Planning	4 - 191
Tuttle Creek Reservoir Archeological Survey and Salvage, Kansas-----	FNS		Data Collection	4 - 192
Wild and Scenic River System Planning-----	5		Special Study	4 - 193
<u>ASSISTING AGENCY PROGRAMS</u>				
Kansas River and Tributaries, Kansas-----	8		Impl. Study	4 - 90
Metropolitan Region of Kansas City, Missouri and Kansas-----	6		Regional Planning	4 - 96
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/NATIONAL PARK SERVICE (NPS)</u>				
<u>LEAD AGENCY PROGRAMS</u>				
Lewis and Clark National Historic Trail Management-----	FNS		Prog. Implement.	4 - 194
Oregon National Historic Trail Management Plan-----	FNS		Prog. Implement.	4 - 195
<u>ASSISTING AGENCY PROGRAMS</u>				
Tuttle Creek Reservoir Archeological Survey and Salvage, Kansas-----	8		Research	4 - 112
Tuttle Creek Reservoir Archeological Survey and Salvage, Kansas-----	FNS		Data Collection	4 - 192
<u>FEDERAL</u>				
<u>ASSISTING AGENCY PROGRAMS</u>				
Boating Administration-----	87		Prog. Implement.	4 - 16
Environmental and Technical Services-----	84		Prog. Implement.	4 - 18
Investigations and Surveys of Wildlife Use and Problems-----	113		Data Collection	4 - 20
Private Land and Water Management-----	54		Prog. Implement.	4 - 21
Public Land and Water Management-----	1,000		Prog. Implement.	4 - 22
Purchase Land for Terrestrial and Aquatic Wildlife and Public Use-----	759		Prog. Implement.	4 - 23
Bureau of Water Supply-----	271		Prog. Implement.	4 - 24
Park Planning and Development-----	1,271		Impl. Study	4 - 28
State Planning and State Plan Maintenance-----	25		Prog. Implement.	4 - 29
Water Conservation-----	141		Research	4 - 32
Irrigation Developmetn, Water Quality, Water Management-----	58		Research	4 - 38
Kansas Water Resources Research Institute (KWRI)-----	205		Research	4 - 39
Weather Modification Activities-----	30		Research	4 - 46
Inventory of Natural Areas in the Kansas City and St. Joseph SMSA Areas, Missouri-----	FNS		Data Collection	4 - 47
<u>WATER RESOURCES COUNCIL (WRC)</u>				
<u>ASSISTING AGENCY PROGRAMS</u>				
State Water Plan-----	80		Regional Planning	4 - 43

\*FNS - Funding Not Specified



KANSAS  
STATE AND FEDERAL  
WATER AND RELATED LAND RESOURCES PROGRAMS AND PROGRAM FUNDING  
IN THE MISSOURI RIVER BASIN

SUMMARY OF  
WATER AND RELATED LAND RESOURCE PROGRAM FUNDING  
IN KANSAS

	-----Estimated Program Funding in Thousand Dollars*--					-----
	Budgeted		Estimated Field Requirements			
	FY 79	FY 80	FY 81	FY 82	FY 83	
State Programs	10680	12113	11802	12174	12517	
Ongoing State Planning and Construction Programs	10427	11592	11718	12087	12427	
New Starts or Resumptions of State Planning and Construction Programs	253	521	84	87	90	
Federal Agency Programs	107768	33065	33231	30795	11989	
Ongoing Federal Planning and Construction Programs	106184	31054	28958	27083	11616	
New Starts or Resumptions of Federal Planning and Construction Programs	1584	2011	4273	3712	373	
TOTAL	118448	45178	45033	42969	24500	

\*Rounded to the nearest \$1,000.    \*NR-None Reported

SUMMARY BY CATEGORY  
WATER AND RELATED LAND RESOURCES PROGRAM FUNDING  
IN KANSAS

-----Estimated Program Funding in Thousand Dollars*-----															
Data Collection & Research (D, E)					-----Planning (A, B, C)-----					-----Implementation (F)-----					
FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83	---
State Programs	1423	2245	2135	2233	2257	1747	1332	1400	1390	1705	7510	8536	8267	8551	8555
Ongoing State Planning and Construction Programs	1423	2084	2051	2146	2167	1747	1332	1400	1390	1705	7257	8176	8267	8551	8555
New Starts or Resumptions of State Planning and Construction Programs	--	161	84	87	90	NONE REPORTED					253	360	--	--	--
Federal Agency Programs	2253	2340	1854	1862	1598	7247	5622	8380	15777	3920	99913	25103	22997	13076	8503
Ongoing Federal Planning and Construction Programs	2253	2259	1854	1862	1598	4683	4737	7307	14365	1515	99041	24058	19797	10776	8503
New Starts or Resumptions of Federal Planning and Construction Programs	--	81	--	--	--	710	885	1073	1412	373	872	1045	3200	2300	--
TOTAL	3676	4585	3989	4095	3855	8994	6954	9780	2802	5625	107423	33639	31264	21627	17058

\*Rounded to the nearest \$1,000. \*NR=None Reported

SUMMARY OF  
ONGOING STATE PLANNING AND CONSTRUCTION PROGRAM FUNDING  
FOR WATER AND RELATED LAND RESOURCES  
STATE OF KANSAS

	-----Estimated Program Funding in Thousand Dollars*-----				
	Budgeted		Estimated Field Requirements		
	FY 79	FY 80	FY 81	FY 82	FY 83
Dept of Agriculture	2569	2976	2846	2757	2734
Dept of Health and Environment	925	1212	1227	1337	1353
Fish and Game Commission	2184	2236	1880	1940	1936
Board of Regents	855	1312	1309	1383	1360
Geological Survey	643	861	827	808	868
States University	212	451	482	575	492
Highway Commission	NONE	REPORTED			
Parks & Resource Authority	1107	600	694	678	951
State Conservation Commission	726	878	1132	1132	1133
Water Resources Board	2061	2378	2630	2860	2960
TOTAL	10427	11592	11718	12087	12427

\*Rounded to the nearest \$1,000. \*NR-None Reported

SUMMARY OF  
NEW STARTS OR RESUMPTIONS OF  
STATE PLANNING AND CONSTRUCTION PROGRAM FUNDING  
FOR WATER AND RELATED LAND RESOURCES  
STATE OF KANSAS

	-----Estimated Program Funding in Thousand Dollars*-----				
	Budgeted		Estimated Field Requirements		
	FY 79	FY 80	FY 81	FY 82	FY 83
Dept of Agriculture	NONE REPORTED				
Dept of Health & Environment	NONE REPORTED				
Fish & Game Commission	253	387	--	--	--
State Board of Regents	--	134	84	87	90
Geological Survey	--	134	84	87	90
State University	NONE REPORTED				
Highway Commission	NONE REPORTED				
Park & Resource Authority	NONE REPORTED				
State Conservation Commission	NONE REPORTED				
Water Resources Board	NONE REPORTED				
<hr/>					
TOTAL	253	521	84	87	90

\*Rounded to the nearest \$1,000. \*NR-None Reported



SUMMARY BY CATEGORY  
ONGOING STATE PLANNING AND CONSTRUCTION  
PROGRAM FUNDING  
FOR WATER AND RELATED LAND RESOURCES  
STATE OF KANSAS

	-----Estimated Program Funding in Thousand Dollars*-----														
	Data Collection & Research (D, E)					-----Planning (A, B, C)-----					-----Implementation (F)-----				
	FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83
Dept of Agriculture	104	235	148	130	130	64	68	70	71	72	2401	2673	2628	2556	2532
Dept of Health and Environment	NONE	REPORTED				272	356	375	379	406	653	856	852	958	947
Fish and Game Commission	37	41	30	25	21	26	57	--	--	--	2121	2138	1850	1915	1915
Board of Regents	855	1312	1309	1383	1360	NONE	REPORTED				NONE	REPORTED			
Geological Survey	643	861	827	808	868	NONE	REPORTED				NONE	REPORTED			
States University	212	451	482	575	492	NONE	REPORTED				NONE	REPORTED			
Highway Commission	NONE	REPORTED													
Parks & Resource Authority	NONE	REPORTED				1107	600	694	678	951	NONE	REPORTED			
State Conservation Commission	NONE	REPORTED				120	120	122	122	123	606	758	1010	1010	1010
Water Resources Board	427	496	564	608	656	158	131	139	140	153	1476	1751	1927	2112	2151

TOTAL	1423	2084	2051	2146	2167	1747	1332	1400	1390	1705	7257	8176	8267	8551	8555
-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

\*Rounded to the nearest \$1,000. \*NR-None Returned.

SUMMARY BY CATEGORY  
NEW STARTS OR RESUMPTIONS OF  
STATE PLANNING AND CONSTRUCTION PROGRAM FUNDING  
FOR WATER AND RELATED LAND RESOURCES  
IN KANSAS

-----Estimated Program Funding in Thousand Dollars*-----														
Data Collection & Research (D, E)					-----Planning (A, B, C)-----					-----Implementation (F)-----				
FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83
Dept of Agriculture	NONE REPORTED													
Dept of Health and Environment	NONE REPORTED													
Fish and Game Commission	--	27	--	--	--	NONE REPORTED				253	360	--	--	--
Board of Regents	--	134	84	87	90	NONE REPORTED				NONE REPORTED				
Geological Survey	--	134	84	87	90	NONE REPORTED				NONE REPORTED				
States University	NONE REPORTED													
Highway Commission	NONE REPORTED													
Parks & Rsource Authority	NONE REPORTED													
State Conservation Commission	NONE REPORTED													
Water Resources Board	NONE REPORTED													

TOTAL	--	161	84	87	90	NONE REPORTED	253	360	--	--	--
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\*Rounded to the nearest \$1,000. \*NR-None Returned.

NAME OF PROGRAM: Computerization - Water Appropriation Program

LEAD AGENCY: Kansas Water Resources Division (KWRD)/State Board of Agriculture

**AUTHORITY(S):** KSA 82(a) - 701, 730

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

100	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Replacement of manual system with computerized water appropriation data to properly regulate, allot, and control waters of the State.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

**Address:** Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

**Phone:** 757-3185

NAME OF PROGRAM: Dams, Levees, and Channel Changes -- Watersheds and Irrigation Districts

LEAD AGENCY: Water Resources Division (KWRD)/State Board of Agriculture

**AUTHORITY(S):** KSA 12-635 to 646(a); 24-105,6;  
82(a), 301, 305, 307, 311

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

**PROGRAM PURPOSES**  
(Percent)

100	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Review of construction plans for dams, levees, and channels. Reviews petitions for irrigation district formation, determines tax exemptions for water storage; and reviews watershed districts' plans and projects. Also, coordinates national program of dam inspection.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

**Address:** Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-3185

**AUTHORITY(S):** KSA 12-734,5  
12-710

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
100	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Coordinates the National Flood Insurance Program, reviews proposed ordinances, resolutions, regulations, and plans of cities and counties effecting flood plains.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Phone: 757-3185



NAME OF PROGRAM: Rural Water Districts

LEAD AGENCY: Kansas Water Resources Division (KWRD)/State Board of Agriculture

**AUTHORITY(S):** KSA 612-637

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
100	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Provide financial assistance to rural water districts for preparation of plans and construction of water supply and distribution facilities.

**PURPOSE OR OBJECTIVES:**

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25. 26. 27	X Kansas
29, 30	X Lower Missouri

[illegible]

**Agency Contact:**

John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

**Address:**

Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

**Phone:**

757-3185





NAME OF PROGRAM: Water Appropriation

LEAD AGENCY: Kansas Water Resources Division (KWRD)/State Board of Agriculture

**AUTHORITY(S):** KSA 82(a)-701,730  
1020-1035, 1301-1320

**PROGRAM STATUS**

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Program to control, conserve, regulate, allot, and in the distribution of water resources for the beneficial use in accordance with the rights of appropriation. Includes conflict resolution, elimination of water waste, processing of applications, and project inspection.

**PURPOSE OR OBJECTIVES:**

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

## LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

Address: Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-3185

LEAD AGENCY: Kansas Water Resources Division (KWRD)/State Board of Agriculture AUTHORITY(S): KSA 82(a) - 701, 730

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
100	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Collect information on water supply sources to determine pumping rates, energy consumption, acres irrigated, water depth, and equipment used. Data is needed to perfect water rights to issue certificates of appropriation.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

STATE(S): Kansas COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Phone: 757-3185

NAME OF PROGRAM: Boating Administration

LEAD AGENCY: Kansas Fish and Game Commission (KFGC)

**AUTHORITY(S):**

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

**PROGRAM TYPE**

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
100	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Program to license, safety check and enforce safe boating laws in Kansas.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

**Agency Contact:**

John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

**Address:**

Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone:

757-3185

NAME OF PROGRAM: Engineering Study for New Fish Culture Areas

LEAD AGENCY: Kansas Fish and Game Commission (KFGC)

**AUTHORITY(S):**

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

### PROGRAM SCOPE

	A Framework Study
	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
100	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Engineering study by contractor to determine alternatives to meet demands for upgrading existing fish culture facilities and development of new ones.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Agency Contact:

John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

**Address:**

Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-3185

NAME OF PROGRAM: Environmental and Technical Services

LEAD AGENCY: Kansas Fish and Game Commission (KFGC) AUTHORITY(S): \_\_\_\_\_

**AUTHORITY(S):**

## PROGRAM TYPE

## PROGRAM SCOPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
100	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Program to provide input on fish and wildlife resources to water resources planning studies and operational projects administered by local, state and federal agencies.

PURPOSE OR OBJECTIVES:

## SUBBASIN(S):

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Address: Suite 303  
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Topeka, KS 66603

Phone: 757-3185

NAME OF PROGRAM: Fish Culture

LEAD AGENCY: Kansas Fish and Game Commission AUTHORITY(S): \_\_\_\_\_

**AUTHORITY(S):**

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
100	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

[illegible]

**SUMMARY:** Program involving operation and maintenance of the State's fish hatchery and rearing system to satisfy demands for varying species to stock in private and public waters.

PURPOSE OR OBJECTIVES:

## SUBREGION(S): SUBBASIN(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

LOCATION

STATE(S): Kansas COUNTY(S)/VICINITY:

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

Address: Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-3185

NAME OF PROGRAM: Investigations and Surveys of Wildlife Use and Problems.

LEAD AGENCY: Kansas Fish and Game Commission (KFGC) AUTHORITY(S):

**AUTHORITY(S):**

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
100	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

### DESCRIPTION

**SUMMARY:** Program to gather and disseminate information through fish and wildlife surveys to promote proper management of these resources.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

SUBBASIN(S):

_____	_____	Basinwide
_____	_____	Upper Missouri
_____	_____	Yellowstone
_____	_____	Western Dakotas
_____	_____	Eastern Dakotas
_____	_____	Platte Niobrara
_____	24	X Middle Missouri
_____	25, 26, 27	X Kansas
_____	29, 30	X Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Agency Contact:

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Phone: 757-3185

NAME OF PROGRAM: Private Land and Water Management

LEAD AGENCY: Kansas Fish and Game Commission (KFGC)

AUTHORITY(S):

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☒ 100 Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: This project includes the preparation of information and the dissemination of management guidelines for use on private streams and ponds. It includes activities in providing management aid to private interests and in addition offers assistance to wildlife mortality investigation.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

☐ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☒ 24 Middle Missouri  
☒ 25, 26, 27 Kansas  
☒ 29, 30 Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	O t h e r
KFGC (Special Revenue)				126	133	118	117	117							
Federal Funds				54	57	50	50	50							X

Agency Contact:

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 Assistant Chief Engineer  
 Kansas Water Resources Board

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 Topeka, KS 66603

Phone:

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NAME OF PROGRAM: Public Land and Water Management

**LEAD AGENCY:** Kansas Fish and Game Commission (KFGC)

**AUTHORITY(S):**

### PROGRAM STATUS

	Ongoing
	Resumption
✓	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Program for new development for fish and wildlife enhancement at Federal facilities and small lakes.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	Y Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact:

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LEAD AGENCY: Kansas Fish and Game Commission

PROGRAM STATUS

	Ongoing
	Resumption
X	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
1 X	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

## DESCRIPTION

**SUMMARY:** Program to acquire lands and water to meet growing demands for fish and wildlife use opportunities with earmarked funds.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact:

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Topeka, KS 66603

Phone:

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NAME OF PROGRAM: Bureau of Water Supply

**FAD AGENCY:** Kansas Department of Health and Environment (KDHE)

**AUTHORITY(S):** KSA 1977 Supp. 65-163;  
P.L. 93-523

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
X	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** This program provides surveillance of public water supplies, keeps records, trains public water supply personnel and promotes construction of treatment facilities and development of new sources of water. Also, enforces Safe Drinking water act regulations.

**PURPOSE OR OBJECTIVES:** Provision of safe and palatable drinking water to all residents and visitors.

**LOCATION**

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

**LOCATION**

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

[illegible]

Agency Contact: John Dewey  
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Phone: 757-3185

**AUTHORITY(S):** KS 65-164 to 171(j);  
P.L. 92-500; 93-523(c)

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	Y Kansas
29, 30	X Lower Missouri

☒ STATEWIDE

Phone: 757-3185

NAME OF PROGRAM: Water Pollution Control and Director's Office

LEAD AGENCY: Kansas Department of Health and Environment (KDHE)

**AUTHORITY(S):** KSA 65-161 to 171(j);  
P.L. 92-500; NPDES

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

**PROGRAM TYPE**

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
100	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Control of point and nonpoint source pollution. Includes control of design, construction, and performance of facilities, permits, inspection, and operator training and certification. Also, administers grant programs for municipal wastewater facilities.

**PURPOSE OR OBJECTIVES:**

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

SUBREGION(S): SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

## FUNDING SOURCE/AGENCY

\$1,000

ESTIMATED PROGRAM FUNDING

[illegible]

**Agency Contact:** John Dewey  
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Kansas Water Resources Board

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**Phone:** 757-3185

**AUTHORITY(S):** KSA 65-164, 165, 170, 171;  
82(a) 927-932; P.L. 92-500

NAME OF PROGRAM: Park Planning and Development

LEAD AGENCY: Kansas Park and Resources Authority (KPR)

**AUTHORITY(S):** KSA 74-4501-4547

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
X	C-1	Preliminary Study
X	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
100	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

### DESCRIPTION

**SUMMARY:** This program provides for the planning, designing, budget preparation and construction of all state parks and park facilities. This involves meeting with federal, state, county, and city agencies, reviewing related development of plans for or near potential state park sites, and the development of a plan for new and redeveloped recreation areas. The phased construction and financing of any recreation facilities on the state park sites are also part of this planning effort.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

## LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

**Agency Contact:**

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**Phone:**

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**LEAD AGENCY:** Kansas Park and Resources Authority

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
e	Instream Flows

DESCRIPTION

**SUMMARY:** Program maintains and coordinates the Kansas State recreation plans and planning.

**PURPOSE OR OBJECTIVES:** Continue to update the State Comprehensive Outdoor Recreation Plan to remain eligible for Federal funding through the Land and Water Conservation Fund Act.

SUBREGION(S): SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 39	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

Address: Suite 303  
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Topeka, KS 66603

**Phone: 757-3185**



**AUTHORITY(S):** KSA 2-1901 et. seq.

## PROGRAM SCOPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
X	Flood Damage Abatement
X	Fish and Wildlife
X	Irrigation
X	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Program to allocate cost-sharing funds to watershed districts for construction of storage structures and watershed measures to augment the P.L. 566 Program.

PURPOSE OR OBJECTIVES:

**SUBBASIN(S):**

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

757-3185



NAME OF PROGRAM: Water Conservation

**LEAD AGENCY:** Board of Regents/Kansas Cooperative Extension Service

**AUTHORITY(S):**

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Program to provide educational assistance to ground water districts, irrigators and others using the State's water resources. Evaluates new technologies, regulations and practices and conducts public affairs programs to foster better resource use.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact:

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Topeka, KS 66603

Phone: 757-3185

NAME OF PROGRAM: Applied and Basic Ground Water Research

LEAD AGENCY: Board of Regents/Kansas Geological Survey (KGS) AUTHORITY(S):

**AUTHORITY(S):**

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

**PROGRAM TYPE**

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** This program is rather diverse and varies with the need for ground water oriented research in the State of Kansas. Current projects include: Geophysical and Satellite Imagery Investigations; Design and Development of Aquifer Predictive and Management Models; Short-term Hydrologic Investigations and Public Inquiry; Economics of Ground Water and Energy; and Investigation of Saline Systems. The program satisfies the needs by local and State government agencies for basic tools derived from technical advances in a number of disciplines.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact:

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Kansas Water Resources Board

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Topeka, KS 66603

**Phone:** 757-3185





NAME OF PROGRAM:

LEAD AGENCY:

**AUTHORITY(S):**

**PROGRAM TYPE**

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
100	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** The purpose of this program is to supply information, data, and analysis of ground water systems in Kansas. Such systems exhibit great heterogeneity from place to place with respect to recharge rates, storage, saturated thickness, pumping characteristics, chemical quality, and movement of water. The program provides benefits to State agencies involved in ground water quality protection under PL 92-500, planning for development and management of new ground water supplies, saline discharge, appropriation of water, and in formulation of management strategies for ground water districts.

## SUBREGION(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

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Kansas Water Resources Board

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Phone: 757-3185

**LEAD AGENCY:** Board of Regents/Kansas Geological Survey (KGS)

PROGRAM STATUS

PROGRAM TYPE

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A Framework Study
	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

## DESCRIPTION

**SUMMARY:** Program to collect water-level data sufficient to provide a minimum long-term data base so that general response of hydrologic systems to natural climatic variations and induced stresses in known and potential problems can be defined early enough to allow proper planning and management. Data collection is programmed annually. A data base is being developed against which short-term records can be analyzed in order to provide an assessment of ground water resources, predict future conditions, detect and define supply problems, and provide information necessary for management.

PURPOSE OR OBJECTIVES:

SUBREGION(S): SUBBASIN(S):

_____		Basinwide
_____		Upper Missouri
_____		Yellowstone
_____		Western Dakotas
_____		Eastern Dakotas
_____		Platte Niobrara
_____ 24	X	Middle Missouri
_____ 25, 26, 27	X	Kansas
_____ 29, 30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact:

John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

**Address:** Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-3185



NAME OF PROGRAM:

**LEAD AGENCY:**

**AUTHORITY(S):** State water Plan,  
82 (A) - 941

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Conduct of engineering research in the areas of water resources, water use and recovery in waste disposal; contaminate abatement; waste treatment; water quality, transportation; storage; watersheds; runoff control, etc. Inputs are fed to all sectors involved in water resources management.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

**Agency Contact:**

John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

Address:

Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-31185

NAME OF PROGRAM: Kansas Water Resources Research Institute (KWRI)

**LEAD AGENCY:** Board of Regents/Kansas State University

**AUTHORITY(S):** PL 88-379 as amended

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A	Framework Study
<input type="checkbox"/>	B	Basin Planning
<input type="checkbox"/>	C-1	Preliminary Study
<input type="checkbox"/>	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Program to sponsor research, experiments, investigations and the training of scientists in the field of water and related resources. Includes administration of the Office of Water Research and Technology (USDI) grant funds.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

_____	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
24 _____	X Middle Missouri
25, 26, 27 _____	X Kansas
29, 30 _____	X Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Agency Contact:

John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

**Address:**

Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-3185

**AUTHORITY(S):** KSA 74-2608  
82(a)-901 et. seq.

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

100	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Provide input to and coordination on various programs, projects, and studies of Federal and regional entities concerned with water and related land resources in the State and those of an interstate nature which impact upon the State. Includes review and evaluation of programs under provisions of the State Water Plan and State water policies, and reports to the Governor.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

## STATE(S): Kansas COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Phone: 757-3185

NAME OF PROGRAM: Coordination of State Plans, Activities, and Budget Requests

LEAD AGENCY: Kansas Water Resources Board (KWRB)

**AUTHORITY(S):** KSA 82(a)-931; EO 78-29;  
SB 526

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

100	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Coordination of local, Federal, and State programs and plans which impact on the use, development, and conservation of the State's water resources. Includes conduct of the annual State program review and report to the Governor and Legislature.

**PURPOSE OR OBJECTIVES:**

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

Basinwide

Upper Missouri

Yellowstone

Western Dakotas

## Eastern Dakotas

Platte Niobrara

24 X Middle Missouri

25, 26, 27 X Kansas

29, 30	X	Lower Missouri
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LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

Basinwide

Upper Missouri

Yellowstone

Western Dakotas

## Eastern Dakotas

24 X Middle Missouri

25, 26, 27 X Kansas

29, 30	X	Lower Missouri
--------	---	----------------

[illegible]

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

Address: Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

**Phone:** 757-3185

**AUTHORITY(S):** KSA 74-2608, 9

NAME OF PROGRAM: State Water Plan

LEAD AGENCY: Kansas Water Resources Board (KWRB)

**AUTHORITY(S):** KSA 74-2608  
82(a)-901 et. seq.

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

**PROGRAM TYPE**

	Data Collection
	Research
	Special Study
X	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

X	A Framework Study
	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

100	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

## DESCRIPTION

**SUMMARY:** Development of the State Water Plan containing policies and objectives to serve as the guide by which the need and priority of State water programs, projects, and activities are measured. Fiscal year 1979-1980 activities will include: (a) examination of other Kansas water laws; (b) the updating of goals and objectives in the State Water Plan; and (c) examination of Federal and other State laws and policies as a guide to legal research and policy development.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

Address: Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-3185

NAME OF PROGRAM: USGS Ccooperative Program

LEAD AGENCY: Kansas Water Resources Board (KWRB)

**AUTHORITY(S):** KSA 74-2608,9

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

100	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Participate in the cooperative program with USGS to collect basic data needed and provide interpretive hydrologic studies utilizing those data, to assess the quantity and nature of the State's water resources. Results from streamflow and sediment gaging stations are published by USGS annually.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

Address: Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

**Phone:** 757-3185

**AUTHORITY(S):** KSA 82(a)-901 et. seq.  
82(a)-1301 et. seq.

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
100	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Provision of State-controlled conservation storage in major reservoirs and watershed structures in order to market water to municipal and industrial users. Includes contract negotiation, legislative approval, inspection of withdrawal and metering facilities, and billing, receiving, and accounting funds from water sales.

SUBREGION(S):		SUBBASIN(S):
		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

☒ STATEWIDE[illegible]

**Phone:** 757-3185



NAME OF PROGRAM: Weather Modification Activities

LEAD AGENCY: Kansas Water Resources Board (KWRB)

**AUTHORITY(S):** KSA 82(a) - 1401 et. seq.

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

100	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Comprehensive studies of the effects of altering precipitation patterns on the economy and environment of Kansas. Includes grants, contracts, and cooperative agreements with public and private agencies to promote wise use of the atmospheric, as well as the surface and subsurface, water resources of the State.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: John Dewey  
Assistant Chief Engineer  
Kansas Water Resources Board

**Address:** Suite 303  
503 Kansas Avenue  
Topeka, KS 66603

Phone: 757-3185

LEAD AGENCY: Missouri Department of Natural Resources/Division of Parks and Recreation (DPR) AUTHORITY(S): SCORP Planning Grant  
29-00612

X	Ongoing
	Resumption
	New Start

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
X	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** Identify and rank in priority the unique natural areas of MARC and MO-KAN BI-State Regions.

STATE(S): Missouri  
Kansas

COUNTY(S)/VICINITY: Kansas City SMSA: Platte  
Cass  
Clay  
Jackson  
☐ STATEWISE St. Joseph SMSA: Andrew  
Buchanan

☐ STATEWIDE

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
	Kansas
28, 30	X Lower Missouri

[illegible]

Address: 14th Floor, Jefferson Building  
Jefferson City, MO 65101

Phone: (314) 751-2479

SUMMARY OF  
ONGOING FEDERAL PLANNING AND CONSTRUCTION  
PROGRAM FUNDING  
FOR WATER AND RELATED LAND RESOURCES  
STATE OF KANSAS

	-----Estimated Program Funding in Thousand Dollars*-----				
	Budgeted FY 79	-----Estimated Field Requirements-----			
	FY 79	FY 80	FY 81	FY 82	FY 83
Agriculture, Dept (USDA)	31628	1152	982	1035	1000
Econ, State & Coop Ser (ESCS)	201	201	--	--	--
Farmers Home Admin (FmAH)	24779	--	--	--	--
Forestry Ser (FS)	277	316	348	372	396
Science & Ed Admin (SEA)	63	--	--	--	--
Soil Conser Ser (SCS)	6142	485	475	495	520
Army, Dept (USDOA)	19703	16430	17085	14797	886
Eng, Corps of (COE)	19703	16430	17085	14797	886
Commerce, Dept (USDOC)	3313	2272	2272	2272	2272
Econ Devel Admin (EDA)	1000	--	--	--	--
Environ Data Ser (EDS)	48	--	--	--	--
Nat'l Weather Ser (NWS)	2265	2272	2272	2272	2272
Old West Reg Comm (OWRC)	NONE REPORTED				
Energy, Dept (USDOE) +	461	749	421	438	266
Energy Res & Devel Admin (ERDA)	NONE REPORTED				
Fed Energy Reg Comm (FERC)	1	1	1	1	--
Environ Protect Agency (EPA)	44188	5340	4126	4168	3813
Health, Ed, & Welfare, Dept (USHEW)	NONE REPORTED				
Indian Health Ser (IHS)	NONE REPORTED				
Housing & Urban Devel, Dept (USDHUD) + +	50	--	--	--	--
Fed Insur Agency (FIA)	NONE REPORTED				
Interior, Dept (USDOI)	2499	3274	1803	2124	1937
Bur of Indian Affairs (BIA)	NONE REPORTED				
Bur of Land Mgmt (BLM)	296	350	355	365	352
Bur of Reclamation (BR)	882	1394	700	1057	937
Bur of Mines (BOM)	44	46	46	--	--
Fish & Wildlife Ser (FWS)	2016	992	1224	1203	1205
Geological Survey (GS)	511	100	173	188	188
Heritage Conser & Rec Ser (HCRS)	823	2245	1003	981	218
Nat'l Park Ser (NPS)	8	88	150	112	35
Office of Water Res & Tech (OWRT)	263	318	364	387	415
Transportation, Dept (USDOT)	87	57	57	--	--
TOTAL	106184	31054	28958	27083	11616

\*Rounded to the nearest \$1,000. \*NR-None Returned.

+ Includes Funding Direct to USDOE

+ + Includes Funding Direct to USHUD

SUMMARY OF  
NEW STARTS OR RESUMPTIONS OF  
FEDERAL PLANNING AND CONSTRUCTION PROGRAM FUNDING  
FOR WATER AND RELATED LAND RESOURCES  
STATE OF KANSAS

	-----Estimated Program Funding in Thousand Dollars*-----				
	Budgeted FY 79	-----Estimated Field Requirements-----			
		FY 80	FY 81	FY 82	FY 83
Agriculture, Dept (USDA)	NONE REPORTED				
Econ, State & Coop Ser (ESCS)	NONE REPORTED				
Farmers Home Admin (FmHA)	NONE REPORTED				
Forestry Ser (FS)	NONE REPORTED				
Science & Ed Admin (SEA)	NONE REPORTED				
Soil Conser Ser (SCS)	NONE REPORTED				
Army, Dept (USDOA)	825	1060	4120	3375	--
Eng, Corps of (COE)	825	1060	4120	3375	--
Commerce, Dept (USDOC)	NONE REPORTED				
Econ Devel Admin (EDA)	NONE REPORTED				
Environ Data Ser (EDS)	NONE REPORTED				
Nat'l Weather Ser (NWS)	NONE REPORTED				
Old West Reg Comm (OWRC)	NONE REPORTED				
Energy, Dept (USDOE)	NONE REPORTED				
Energy Res & Devel Admin (ERDA)	NONE REPORTED				
Fed Energy Reg Comm (FERC)	NONE REPORTED				
Environ Protect Agency (EPA)	NONE REPORTED				
Health, Ed, & Welfare, Dept (USHEW)	NONE REPORTED				
Indian Health Ser (IHS)	NONE REPORTED				
Housing & Urban Devel, Dept (USDHUD)	NONE REPORTED				
Fed Insur Agency (FIA)	NONE REPORTED				
Interior, Dept (USDOl)	--	951	153	337	373
Bur of Indian Affairs (BIA)	NONE REPORTED				
Bur of Land Mgmt (BLM)	NONE REPORTED				
Bur of Reclamation (BR)	--	--	153	337	373
Bur of Mines (BOM)	NONE REPORTED				
Fish & Wildlife Ser (FWS)	--	611	--	--	--
Geological Survey (GS)	NONE REPORTED				
Heritage Conser & Rec Ser (HCRS)	--	340	--	--	--
Nat'l Park Ser (NPS)	NONE REPORTED				
Office of Water Res & Tech (OWRT)	NONE REPORTED				
Transportation, Dept (USDOT)	NONE REPORTED				
TOTAL	825	2011	4273	3712	373

\*Rounded to the nearest \$1,000. \*NR-None Reported

SUMMARY BY CATEGORY  
ONGOING FEDERAL PLANNING AND CONSTRUCTION PROGRAM FUNDING  
FOR WATER AND RELATED LAND RESOURCES  
IN KANSAS

	Estimated Program Funding in Thousand Dollars*														
	Data Collection & Research (D, E)					Planning (A, B, C)					Implementation (F)				
	FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83
Agriculture, Dept (USDA)	840	806	634	663	629	57	58	30	32	34	30706	288	318	340	362
Econ, Stat & Coop Ser (ESCS)	201	201	--	--	--	NONE	REPORTED				NONE	REPORTED			
Farmers Home Admin (FmHA)	NONE	REPORTED				NONE	REPORTED				24779	--	--	--	--
Forestry Ser (FS)	NONE	REPORTED				20	28	30	32	34	257	288	318	340	362
Science & Ed Admin (SEA)	63	--	--	--	--	NONE	REPORTED				NONE	REPORTED			
Soil Conser Ser (SCS)	435	455	475	495	520	37	30	--	--	--	5670	--	--	--	
Army, Dept (USDOA)	NONE	REPORTED				1348	2740	5147	11940	--	18355	13690	116778	2857	886
Eng, Corps of (COE)	NONE	REPORTED				1348	2740	5147	11940	--	18355	13690	116778	2857	886
Commerce, Dept (USDOC)	1868	--	--	--	--	1000	--	--	--	--	2265	2272	2272	2272	2272
Econ Devel Admin (EDA)	NONE	REPORTED				1000	--	--	--	--	NONE	REPORTED			
Environ Data Ser (EDS)	48	--	--	--	--	NONE	REPORTED				NONE	REPORTED			
Nat'l Weather Ser (NWS)	NONE	REPORTED				NONE	REPORTED				2265	2272	2272	2272	2274
Old West Reg Comm (OWRC)	NONE	REPORTED													
Energy, Dept (USDOE) +	461	749	421	438	266	NONE	REPORTED				NONE	REPORTED			
Energy Res & Devel Admin (ERDA)	NONE	REPORTED													
Fed Energy Reg Comm (FERC)	1	1	1	1	--	NONE	REPORTED				NONE	REPORTED			
Environ Protect Agency (EPA)	NONE	REPORTED				833	430	405	345	320	45833	4910	3721	3823	3493
Health, Ed, & Welfare, Dept (USHEW)	NONE	REPORTED													
Indian Health Ser (IHS)	NONE	REPORTED													
Housing & Urban Devel, Dept (USDHUD) + +	NONE	REPORTED				50	--	--	--	--	NONE	REPORTED			
Fed Insur Agency (FIA)	NONE	REPORTED													
Interior, Dept (USDOOI)	806	604	711	687	638	1071	597	737	1082	949	622	2073	355	355	350
Bur of Indian Affairs (BIA)	NONE	REPORTED													
Bur of Land Mgmt (BLM)	NONE	REPORTED				--	--	5	15	2	296	350	350	350	350
Bur of Reclamation (BR)	NONE	REPORTED				558	560	700	1057	941	854	300	--	--	--
Bur of Mines (BOM)	24	24	24	--	--	20	22	22	--	--	NONE	REPORTED			
Fish & Wildlife Ser (FWS)	113	124	88	74	65	NONE	REPORTED				1903	873	1136	1129	1140
Geological Survey (GS)	496	150	173	188	188	NONE	REPORTED				NONE	REPORTED			
Heritage Conser & Rec Ser (HCRS)	NONE	REPORTED				817	927	998	976	218	6	1318	5	5	--
Nat'l Park Ser (NPS)	8	88	150	112	35	NONE	REPORTED				NONE	REPORTED			
Office of Water Res & Tech (OWRT)	263	318	364	387	415	NONE	REPORTED				NONE	REPORTED			
Transportation, Dept (USDOT)	NONE	REPORTED				NONE	REPORTED				87	57	57	--	--
TOTAL	2253	2259	1854	1862	1598	4683	4737	7307	14365	1515	99041	24058	19797	10776	8503

\*Rounded to the nearest \$1,000. \*NR-None Returned. +Includes Funding Direct to USDOE + + Includes Funding Direct to USHUD

SUMMARY BY CATEGORY  
NEW STARTS OR RESUMPTIONS FEDERAL PLANNING AND CONSTRUCTION PROGRAM FUNDING  
FOR WATER AND RELATED LAND RESOURCES  
STATE OF KANSAS

	-----Estimated Program Funding in Thousand Dollars*-----														
	Data Collection & Research (D, E)					-----Planning (A, B, C)-----					-----Implementation (F)-----				
	FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83	FY 79	FY 80	FY 81	FY 82	FY 83
Agriculture, Dept (USDA)	NONE	REPORTED													
Econ, Stat & Coop Ser (ESCS)	NONE	REPORTED													
Farmers Home Admin (FmHA)	NONE	REPORTED													
Forestry Ser (FS)	NONE	REPORTED													
Science & Ed Admin (SEA)	NONE	REPORTED													
Soil Conser Ser (SCS)	NONE	REPORTED													
Army, Dept (USDOA)						710	885	920	1075	--	115	175	3200	2300	--
Eng, Corps of (COE)						710	885	920	1075	--	115	175	3200	2300	--
Commerce, Dept (USDOC)	NONE	REPORTED													
Econ Devel Admin (EDA)	NONE	REPORTED													
Environ Data Ser (EDS)	NONE	REPORTED													
Nat'l Weather Ser (NWS)	NONE	REPORTED													
Old West Reg Comm (OWRC)	NONE	REPORTED													
Energy, Dept (USDOE)	NONE	REPORTED													
Energy Res & Devel Admin (ERDA)	NONE	REPORTED													
Fed Energy Reg Comm (FERC)	NONE	REPORTED													
Environ Protect Agency (EPA)	NONE	REPORTED													
Health, Ed, & Welfare, Dept (USHEW)	NONE	REPORTED													
Indian Health Ser (IHS)	NONE	REPORTED													
Housing & Urban Devel, Dept (USDHUD)	NONE	REPORTED													
Fed Insur Agency (FIA)	NONE	REPORTED													
Interior, Dept (USDOl)	--	81	--	--	--	--	--	153	337	373	--	870	--	--	--
Bur of Indian Affairs (BIA)	NONE	REPORTED													
Bur of Land Mgmt (BLM)	NONE	REPORTED													
Bur of Reclamation (BR)	NONE	REPORTED				--	--	153	337	373	NONE	REPORTED			
Bur of Mines (BOM)	NONE	REPORTED													
Fish & Wildlife Ser (FWS)	--	81	--	--	--	NONE	REPORTED				759	530	--	--	--
Geological Survey (GS)	NONE	REPORTED													
Heritage Conser & Rec Ser (HCRS)	NONE	REPORTED				NONE	REPORTED				--	340	--	--	--
Nat'l Park Ser (NPS)	NONE	REPORTED													
Office of Water Res & Tech (OWRT)	NONE	REPORTED													
Transportation, Dept (USDOT)	NONE	REPORTED													
TOTAL	--	81	--	--	--	710	885	1073	1412	373	872	1045	3200	2300	--

\*Rounded to the nearest \$1,000. \*NR-None Returned.



LEAD AGENCY: Missouri River Basin Commission

**AUTHORITY(S):** PL 89-80

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
	Research
	Special Study
X	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
X	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Coordinate planning of State and Federal agencies for balanced resource development within the entire Missouri River Basin.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Nebraska
	Middle Missouri
	Kansas
	Lower Missouri

**LOCATION**

**STATE(S):**

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Address: Missouri River Basin Commission  
10050 Regency Circle, Suite 403  
Omaha, NE 68114

**Phone:** 402-397-5714



LEAD AGENCY: Missouri Riv. Basin Commission

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
X	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A Framework Study
X	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Annual review of all water and related land resources programs in basin.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

**LOCATION**

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Address: Missouri River Basin Commission  
10050 Regency Circle, Suite 403  
Omaha, NE 68114

**Phone: 402-397-5714**

AUTHORITY(S):

## PROGRAM SCOPE

	A Framework Study
X	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
X	Legal and Institutional
	Instream Flows

**SUMMARY:** Develop interagency procedures and environmental objectives; identification of methods to correct deficiencies.

PURPOSE OR OBJECTIVES:

## SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Phone: 402-397-5714

NAME OF PROGRAM: Missouri River Basin Hydrology Study

LEAD AGENCY: Missouri River Basin Commission (MRBC) AUTHORITY(S):

PROGRAM STATUS

☐ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☒ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☒ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ 100 Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: This proposed study would develop a basinwide hydrologic accounting system that would enable commission member agencies to determine historical and current streamflow depletions and residual flows at key locations.

PURPOSE OR OBJECTIVES:

1. Develop a basinwide hydrologic accounting system that is current and operational.
2. Determine the current streamflow depletions by appropriate water use categories.
3. Determine residual flows at key locations that are acceptable and agreed to by all commission members. The resulting residual flow base would be used by all State and Federal member agencies in their water and related land resource planning and water conservation activities.
4. Develop the capability to analyze effects of alternative water and related land resource future on the residual flow base.
5. Establish mechanisms for the continual operation and maintenance of the hydrologic accounting system.

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S): COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		Direct	Share (%)	Grant	Loan	Other
Colorado						10	10	10								X
Iowa						10	10	10								X
Kansas						10-12	10-12	10-12								X
Missouri						15	15	15								X
Montana						12	12	12								X
Nebraska						12	12	12								X
North Dakota						15	15	15								X
South Dakota						15	15	15								X
Wyoming						15	15	15								X
Federal share						739	499	498				X	75%			X

Agency Contact: Don Ohnstad  
Missouri River Basin Commission

Address: 10050 Regency Circle  
Suite 403  
Omaha, NE 68114

Phone: FTS 864-9351

**AUTHORITY(S):** PL 89-80

## PROGRAM SCOPE

	A	Framework Study
X	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** The annual process establishes priorities for water and related land resources studies, research, data collection, and implementation of projects and programs of regional significance within the Missouri River Basin. MRBC policy ensures that only components of the CCJP are included in the annual priorities.

The process begins with State viewpoints--each State addressing its needs and priorities by category. The Commission then applies an established set of criteria to recommend regional priorities.

**PURPOSE OR OBJECTIVES:** To establish annual priorities in all water related programs.

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

**SUBREGION(S):**

SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

[illegible]

Agency Contact: Carroll Hamon  
Director of Planning

Address: Missouri River Basin Commission  
10050 Regency Circle, Suite 403  
Omaha, NE 68114

**Phone:** 402-397-5714

LEAD AGENCY: U.S. Department of Agriculture (USDA) Economics, Statistics, and Cooperative Service (ESCS) AUTHORITY(S):

## PROGRAM SCOPE

X	Ongoing
	Resumption
	New Start

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

<input type="checkbox"/>	A	Framework Study
<input type="checkbox"/>	B	Basin Planning
<input type="checkbox"/>	C-1	Preliminary Study
<input type="checkbox"/>	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

50	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Agmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
50	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Analysis of the impact of coal development alternatives on human and natural resources through the operation of an interregional linear programming model

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

	X	Basinwide
<u>2,3,4,5,6</u>	X	Upper Missouri
<u>7,8,9,10</u>	X	Yellowstone
<u>11,12,13,14</u>	X	Western Dakotas
<u>16,17</u>	X	Eastern Dakotas
<u>15,18,19,20,21,22</u>	X	Platte Niobrara
<u>23,24</u>	X	Middle Missouri
<u>25,26,27</u>	X	Kansas
<u>28,29,30</u>	X	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

\*EPA funds transferred to ESCS

\$1,000

[illegible]

**Agency Contact:** Norman E. Landgren  
Leader, GPRPG  
U.S. Department of Agriculture  
Economics, Statistics and Cooperative Serv.

Address: 100 Centennial Mall North, Room 435  
U.S. Federal Bldg. & Courthouse  
Lincoln, NE 68508

Phone:

LEAD AGENCY: U. S. Department of Agriculture (USDA) Economics, Statistics, and Cooperative Service AUTHORITY(S):  
(ESCS)

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
75	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
25	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Evaluate the potential for energy conservation and for increased efficiency of irrigation water use by economic analysis of farm management alternative and irrigation technologies.

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
15,18,19,20,21,22	X	Platte Niobrara
		Middle Missouri
25,26,27	X	Kansas
		Lower Missouri

☐ STATEWIDE[illegible]

**Address:** 100 Centennial Mall North, Room 435  
U.S. Federal Bldg. & Courthouse  
Lincoln, NE 68508

Phone:

NAME OF PROGRAM: Rural Water and Waste Disposal Systems

LEAD AGENCY: Department of Agriculture (USDA) / Farmer's Home Administration (FmHA)

AUTHORITY(S): PL 87-128 as amended

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☒ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

**SUMMARY:** The Farmers Home Administration (FmHA) is authorized to make loans and grants to develop domestic water supply and waste disposal systems for farmers and rural residents in towns of up to 10,000 people. Public or quasi-public bodies and corporations not operated for profit may receive financial and technical assistance in planning, developing, improving and extending water and waste disposal systems when: they give priority to service to residents of open country and rural towns and villages of up to 5,500 population; they are unable to obtain needed funds from other sources at reasonable rates and terms; they have legal capacity to borrow and repay loans, to pledge security for loans, and to operate the facilities or services; they are financially sound and will be effectively organized and managed. Funds may be used to: install, repair, improve, or expand rural water supply and distribution systems including water supply reservoirs, pipelines, wells, pumping plants, and water filtration and treatment facilities; purchase a water supply or a water right; install, repair, improve, or expand waste collection, treatment, or disposal systems; pay necessary fees; pay other costs related to the improvements, including the acquisition of rights-of-way and easements, and the relocation of roads and utilities. The maximum term on all loans is 40 years. The interest rate is currently 5 percent. All loans will be secured to adequately protect the interest of the Government. Bonds or notes pledging taxes, assessments, or revenues will be accepted as security if they meet statutory requirements. A mortgage may also be taken on the organization's facilities when state laws permit. The FmHA assists the applicant in making the first determinations regarding engineering feasibility, economic soundness, cost estimates, organization, financing, and management matters in connection with the proposed improvements. If financing is provided, the FmHA makes periodic inspections to see that funds are used as agreed upon and that construction meets approved standards.

Grants are made in instances where the cost of development would result in excessive user charges and the use of grant funds would lower them to reasonable levels. Further, FmHA makes direct loans to finance local shares of Soil Conservation Service projects for watershed protection, flood prevention and resource conservation and development.

## SUBREGION(S):

## SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	\$1,000											Funding Source				
	ESTIMATED PROGRAM FUNDING											D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
FmHA	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete					
Colorado				21,233.1	16,598											
Iowa				92,151	78,727											
Kansas				24,779												
Minnesota		13,456		3,056	6,800						6,800			X	X	
Missouri				14,600.3	23,625											
Montana				150.8	273.0	452.0										
Nebraska				6950	300											
North Dakota				8416	26,755											
South Dakota				508	28,090											
Wyoming				18,886.4	5189.9									X	X	

Agency Contact: Stewart Jessee  
 Soil Conservation Service, USDA

Address: Federal Bldg., Rm. 345  
 100 Centennial Mall, North  
 Lincoln, NE 68508

Phone: 402-471-5311  
 FTS-867-5311

FmHA  
KANSAS

1. Pending

<u>Project Name</u>	<u>Location</u>	<u>FmHA Total Funds</u>
Rural Water District No. 1	Elk County	510,000
Rural Water District No. 8	Osage County	2,500,000
Rural Water District No. 2	Marshall County	40,000
Rural Water District No. 3	Rooks County	161,000
Rural Water District No. 1	Riley County	760,000
Rural Water District No. 2	Linn County	640,000
Rural Water District No. 6	Anderson County	2,525,000
Rural Water District No. 2	Reno County	209,000
Rural Water District No. 7	Chautauqua County	305,000
Rural Water District No. 1	Greenwood County	165,000
Rural Water District No. 6	Lyon County	78,000
Rural Water District No. 9	Montgomery County	110,000
Rural Water District No. 3	Shawnee County	500,000
Rural Water District No. 2	Anderson County	95,000
Rural Water District No. 2	Sedgwick County	50,000
Rural Water District No. 3	Osage County	220,000
Rural Water District No. 1	Sedgwick County	60,000
Rural Water District No. 2	Harper County	130,000
Rural Water District No. 1	Marion County	55,000
Rural Water District No. 3	Butler County	110,000
Rural Water District No. 5	Butler County	445,000
Rural Water District No. 1	Russell County	28,000
Rural Water District No. 3	Linn County	140,000
Rural Water District No. 1	Phillips County	100,000
Rural Water District No. 3	Osborne County	150,000
Rural Water District No. 1	Rush County	321,000
Rural Water District No. 1	Reno County	19,000
Rural Water District No. 4	Marion County	5,400,000
Rural Water District No. 2	Norton County	152,000
Rural Water District No. -	Hamilton County	90,000
Rural Water District No. (Moran)	Allen County	200,000
Rural Water District No. -	Russell County	100,000
Rural Water District No. 6	Crawford County	58,000
Rural Water District No. 11	Wilson County	187,000
Rural Water District No. 1	Ellsworth County	3,150,000
Rural Water District No. -	Ellis County	300,000
Rural Water District No. -	Geary County	184,000
Rural Water District No. -	Reno County	164,000
Rural Water District No. 3	Barber County	320,000
Rural Water District No. -	Rawlins County	505,000
Rural Water District No. (Skiddy)	Morris County	50,000
Rural Water District No. (Hallville)	Saline County	247,000
Rural Water District No. 4	Sumner County	190,000
Rural Water District No. 4	Neosho County	26,000
Rural Water District No. 3	Russell County	30,000
Rural Water District No. 9	Jefferson County	129,000
Rural Water District No. (Lecompton)	Douglas County	321,000
Rural Water District No. (Benton)	Butler County	1,950,000
Rural Water District No. 5	Harper County	600,000





NAME OF PROGRAM: Fish and Wildlife, Recreation and Timber Services RE: Soil and Water Protection

LEAD AGENCY: U.S. Department of Agriculture (USDA)/Forest Service (FS) AUTHORITY(S):

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☒ Fish and Wildlife  
☐ Irrigation  
☒ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult  
☐ Power and Energy  
☒ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutiona  
☐ Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: Minimize erosion and protect water quality.

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

Funding Source				
D	S	G	L	O
i	h	r	o	t
r	a	a	a	h
e	r	n	n	e
c	(%)	t		r

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	
Colorado - FS	X		8	30	52	59	66	73	80	86	
Missouri - FS	X		10	10	10	10	10	10	10	10	
Montana - FS	X			43	78	126	174	222	270	318	
Nebraska - FS	X		2	8	13	15	17	18	19	21	
South Dakota - FS	X		3	12	20	22	25	28	30	32	
Wyoming - FS	X			22	39	44	49	54	59	64	

Agency Contact: Craig A. Giffen  
Regional Forester

Address: USDA Forest Service  
Box 25127  
Lakewood, CO 80225

Phone: FTS 234-3711

NAME OF PROGRAM: Water and Related Land Planning

LEAD AGENCY: U.S. Department of Agriculture (USDA)/Forest Service (FS) AUTHORITY(S):

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☒ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☒ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☒ 100 Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Cooperative and comprehensive land management planning.

PURPOSE OR OBJECTIVES: Soil and water needs and water rights.

SUBREGION(S): SUBBASIN(S):  
☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S): COUNTY(S)/VICINITY: National forest lands and State and private lands

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		Dir ect	S h a r e (%)	G r a n t	L o a n	O t h e r
Colorado - FS	X		61	100	139	155	170	185	200	215						
Kansas - FS	X		11	20	28	30	32	34	35	37						
Missouri - FS	X		30	45	50	30	20	20	20	20						
Nebraska - FS	X		6	13	18	24	29	35	40	45						
North Dakota - FS	X				26	84	106	176	246	315						
South Dakota - FS	X		85	143	201	222	243	265	287	309						
Wyoming - FS	X			280	381	431	474	518	562	608						

Agency Contact: Craig A. Giffen  
Regional Forester

Address: USDA Forest Service  
Box 25127  
Lakewood, CO 80225

Phone: FTS 234-3711

NAME OF PROGRAM: Water and Related Land Surveys

LEAD AGENCY: U.S. Department of Agriculture (USDA)/Forest Service (FS)

AUTHORITY(S):

PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

- ☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES (Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☒ 100 Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cul  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institution  
☐ Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: Soil and water surveys and monitoring impact surveys.

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		Direct	Share (%)	Grant	Loan	Other
Colorado - FS	X		16	35	54	64	74	84	94	103						
Missouri - FS	X		35	35	35	35	35	35	35	35						
Montana - FS	X			372	465	403	341	279	217	155						
Nebraska - FS	X		0	1	2	3	4	4	4	4						
South Dakota - FS	X		1	2	3	4	5	5	5	6						
Wyoming - FS	X			68	104	123	142	161	181	200						

Agency Contact: Craig A. Giffen  
Regional Forester

Address: USDA Forest Service  
Box 25127  
Lakewood, CO 80225

Phone: FTS 234-3711

NAME OF PROGRAM: Water Pollution Abatement

LEAD AGENCY: U.S. Department of Agriculture (USDA)/Forest Service (FS) AUTHORITY(S):

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ 25 Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ 75 Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: Reduce pollution from forest land and mine drainage.

SUBREGION(S): SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S): COUNTY(S)/VICINITY: National forest lands

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
Colorado - FS	X		7	12	18	20	22	24	25	27						
Montana - FS	X			116	191	165	138	112	86	59						
Nebraska - FS	X		1	3	5	8	10	10	10	10						
North Dakota - FS	X				2	2	2	2	2	2						
South Dakota - FS	X			3	5	13	20	20	20	20						
Wyoming - FS	X			40	57	63	69	74	79	85						
Missouri			See Watershed Restoration program													

Agency Contact: Craig A. Giffen  
Regional Forester

Address: USDA Forest Service  
Box 25127  
Lakewood, CO 80225

Phone: FTS 234-3711

NAME OF PROGRAM: Watershed Protection

LEAD AGENCY: U.S. Department of Agriculture (USDA)/Forest Service (FS)

AUTHORITY(S):

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☒ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☒ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cul  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institution  
☐ Instream Flows

## DESCRIPTION

## SUMMARY:

PURPOSE OR OBJECTIVES: Fire and fuel management, orphan dam treatment, and reforestation, timber stand improvement, Hydrologic services.

SUBREGION(S): SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY: National forest lands and State and Federal lands

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
Colorado - FS	X		309	464	618	656	694	731	768	805						
Kansas - FS	X		257	288	318	340	362	384	406	428						
Missouri - FS	X		100	100	110	120	130	140	150	160						
Montana - FS	X			928	1,447	1,636	1,824	2,013	2,202	2,391						
Nebraska - FS	X		241	280	320	348	376	403	430	458						
South Dakota - FS	X		278	446	613	682	751	820	889	959						
Wyoming - FS	X			526	724	799	874	948	1,022	1,097						

Agency Contact: Craig A. Giffen  
Regional ForesterAddress: USDA Forest Service  
Box 25127  
Lakewood, CO 80225

Phone: FTS 234-3711

NAME OF PROGRAM: Watershed Restoration

LEAD AGENCY: U.S. Department of Agriculture (USDA)/Forest Service (FS)

AUTHORITY(S):

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ 50 Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ 50 Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

## SUMMARY:

PURPOSE OR OBJECTIVES: Mine restoration and rehabilitation of eroded lands.

SUBREGION(S): SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY: National forest lands

☐ STATEWIDE

FUNDING SOURCE/AGENCY	----- \$1,000 -----											Funding Source				
	ESTIMATED PROGRAM FUNDING											D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete					
Colorado - FS	X		27	133	239	319	399	478	557	637						
Montana - FS	X			2,958	3,749	3,987	4,225	4,463	4,701	4,439						
Nebraska - FS	X		1	5	9	12	15	18	21	24						
Missouri - FS	X		30	20	50	50	20	30	30	30						
North Dakota - FS	X		68	82	103	134	141	148	155	162						
South Dakota - FS	X		18	89	159	212	265	318	371	424						
Wyoming - FS	X			290	522	696	870	1,044	1,218	1,392						

Agency Contact: Craig A. Giffen  
Regional ForesterAddress: USDA Forest Service  
Box 25127  
Lakewood, CO 80225

Phone: FTS 234-3711

LEAD AGENCY: U.S. Department of Agriculture (USDA)/Science & Education Administration - AUTHORITY(S):  
Federal Arch (SEA)

## PROGRAM SCOPE

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
3	Irrigation
1	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
4	Power and Energy
	Recreation
	Transportation
2	Water Quality Mgmt.
	Legal and Institutional
5	Instream Flows

**SUMMARY:** There are approximately 75 separate research projects dispersed throughout the basin or in very close proximity to the basin that either directly address or are very closely aligned to the conservation, utilization, development, and management of the basin's water and related land resources. These projects include research activities in the following programs: salinity control; irrigation and water management; cropland tillage; management and use of precipitation and solar energy; reclamation of surface mined areas; conservation, management and utilization of soil; maintaining a quality environment; water erosion and sedimentation; and conservation and management of agricultural water resources.

SUBREGION(S):	SUBBASIN(S):
<input checked="" type="checkbox"/>	Basinwide
<input type="checkbox"/>	Upper Missouri
<input type="checkbox"/>	Yellowstone
<input type="checkbox"/>	Western Dakotas
<input type="checkbox"/>	Eastern Dakotas
<input type="checkbox"/>	Platte Niobrara
<input type="checkbox"/>	Middle Missouri
<input type="checkbox"/>	Kansas
<input type="checkbox"/>	Lower Missouri

STATE(S): Colorado  
Kansas  
Montana  
Missouri  
Nebraska  
North Dakota  
South Dakota  
Wyoming

COUNTY(S)/VICINITY:  
☐ STATEWIDE

[illegible]

Phone: FTS 360-7168





SCIENCE AND EDUCATION ADMINISTRATION

FEDERAL RESEARCH PROGRAMS

STATE OF Kansas

Program Title

Funding  
FY 1979

Wind Energy for Pumping Irrigation Water

62,731

NAME OF PROGRAM: Conservation OperationLEAD AGENCY: United States Department of Agriculture/Soil Conservation Service (SCS)AUTHORITY(S): PL 74-46

## PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

## PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☒ Irrigation  
☒ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

SUMMARY: Technical assistance to conservation district cooperators and other landowners in development of plans and application of soil and water conservation measures.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	\$1,000											Funding Source				
	Cont.	Total	FY 1978 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
Colorado			5694	5823												
Iowa																
Kansas				5200												
Minnesota																
Missouri				3,372	3,574	3,800										
Montana			3,208	3,210	3650	3791	same									
Nebraska																
North Dakota																
South Dakota																
Wyoming			1,625.3	1613.3	1650	1650	1650	1650	1650	1650						

Agency Contact: Stewart Jesse (SCS)

Address: Federal Bldg. Rm. 345  
100 Centennial Mall N.  
Lincoln, Ne 68508

Phone: FTS 541-5311

NAME OF PROGRAM: Land Inventorying and Monitoring

LEAD AGENCY: United States Department of Agriculture/Soil Conservation Services (SCS)

AUTHORITY(S): PL- 74-46

**PROGRAM STATUS**

☒ Ongoing  
☐ Resumption  
☐ New Start

**PROGRAM TYPE**

☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

**PROGRAM SCOPE**

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

**PROGRAM PURPOSES  
(Percent)**

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☒ 100 Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

**DESCRIPTION**

SUMMARY: National program of land inventory to report current conditions of use, erosion, and treatment needs.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

**LOCATION**

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	FY 1978 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
Colorado			138	120												
Iowa				230												
Kansas																
Minnesota																
Missouri				132												
Montana			129	330	330	330										
Nebraska			133.5	210												
North Dakota																
South Dakota																
Wyoming			36.7	173.3	None	---	---	---	---	---						

Agency Contact: Stewart Jesse(SCS)

Address: Federal Bldg. Rm. 345  
 100 Centennial Mall N.  
 Lincoln, NE 68508

Phone: FTS 541-5311

NAME OF PROGRAM: Resource Conservation Act

LEAD AGENCY: United States Department of Agriculture/Soil Conservation Service (SCS)

AUTHORITY(S): PL 95-192

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☒ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Provides an in depth analysis of programs and conservation practices administered by the Soil Conservation Service to ensure their responsiveness to the long term needs of the nation.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	FY 1978 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
Colorado				85												
Iowa				101												
Kansas																
Minnesota																
Missouri				64												
Montana			105	89	50	50										
Nebraska			99.8	86	250	292										
North Dakota																
South Dakota																
Wyoming			45	45	25	25										

Agency Contact: Stewart Jesse (SCS)

Address: Federal Bldg. Rm. 345  
100 Centennial Mall-N.  
Lincoln, NB 68508

Phone:

FTS 541-5311

NAME OF PROGRAM: Resource Conservation and Development Program (R, C & D)

LEAD AGENCY: U.S. Department of Agriculture (USDA) Soil Conservation Service (SCS)

AUTHORITY(S): PL 74-76, Soil Conservation and Domestic Allotment Act; Rural Development Act of 1972

**PROGRAM STATUS**

- ☒ Ongoing  
☐ Resumption  
☐ New Start

**PROGRAM TYPE**

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

**PROGRAM SCOPE**

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

**PROGRAM PURPOSES (Percent)**

- ☐ 100 Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

**DESCRIPTION**

**SUMMARY:** Program in which SCS provides local groups technical and financial assistance in conserving and developing their natural resources. Proposals initiated at the State Level may include assistance for planning and development in the form of technical services, grants, cost sharing or loans.

**PURPOSE OR OBJECTIVES:** Objectives include: assist in controlling soil erosion, reforestation, preserving natural resources, protecting fish and wildlife, developing and protecting recreational facilities, mitigating floods, preventing impairment of dams and reservoirs, conserving surface and subsurface moisture, protecting the watersheds of navigable streams, and protecting the public lands, health, safety, and welfare.

**SUBREGION(S):**

**SUBBASIN(S):**

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

**LOCATION**

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D if f e r e n c e (%)	S h a r e (%)	G r a n t	L o a n	O t h e r
SCS																
SCS Colorado			662	255	Statewide											
SCS Iowa				370	330	330	330									
SCS Kansas				520												
SCS Minnesota	No															
SCS Missouri				400												
SCS Montana			288	227	227	227										
SCS Nebraska				250												
SCS North Dakota				653												
SCS South Dakota				400												
SCS Wyoming			227.3	96	96	96										

Agency Contact: Stewart Jessee, SCS

Address: Federal Building - U.S. Courthouse  
Room 345  
Lincoln, NE 68508

Phone: FTS 541-5311

USDA  
RURAL CONSERVATION AND DEVELOPMENT PROGRAMS

<u>Project Name</u>	<u>Kansas</u> <u>Counties</u>	<u>Annual Funding</u> (\$1,000)
Lake Region	Osage, Franklin, Lynn, Miami, Coffey, and Anderson Counties	260 (FY 79/85)
Four Rivers	Jewell, Republic, Mitchell, Cloud, Lincoln, Ottawa, Ellsworth, and Saline Counties	260 (FY 79/85)

NAME OF PROGRAM: Rural Clean Water Program  
 LEAD AGENCY: U.S. Department of Agriculture/Soil Conservation Service (SCS) AUTHORITY(S): PL 95-217

PROGRAM STATUS

☐ Ongoing  
☐ Resumption  
☒ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☒ Fish and Wildlife  
☒ Irrigation  
☒ Land Conserv. & Mgmt.  
☒ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☒ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Provide technical and cost-share assistance for installation and maintenance of best technical management practices to control rural nonpoint source pollution to improve water quality.

PURPOSE OR OBJECTIVES:

SUBREGION(S): SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		Director's Rec't	Share (%)	Grant	Loan	Other
Colorado			8	4												
Iowa				1												
Kansas																
Minnesota																
Missouri																
Montana			-----	1	341	565										
Nebraska																
North Dakota																
South Dakota																
Wyoming																

Agency Contact: Stewart Jesse (SCS)

Address: Federal Bldg. Rm. 345  
 100 Centennial Mall N.  
 Lincoln, NE 68508

Phone: FTS541-5311



NAME OF PROGRAM: Small Watershed Program (Construction)LEAD AGENCY: United States Department of Agriculture/Soil Conservation Service (SCS)AUTHORITY(S): PL83-566Watershed Protection & Flood Prevention Act of 1954.

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☒ Flood Damage Abatement  
☒ Fish and Wildlife  
☒ Irrigation  
☒ Land Conserv. & Mgmt.  
☒ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☒ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

**SUMMARY:** Program wherein USDA assists local organizations in planning and carrying out works of improvement, including structural and land treatment measures for flood prevention, or measures for the conservation, development, utilization and disposal of water or for the conservation and proper utilization of land. Watershed projects undergo several phases during planning and development. Local entities file application with their state, after which a preliminary investigation is made. If approved for planning, a work plan is developed. This is then forwarded to Congress for authorization to develop. Cost-sharing during development varies for the several project purposes; local sponsors are generally responsible for land acquisition and part of development costs. Watersheds are limited to 250,000 acres of drainage in size, and must include land treatment. Other features include flood retention structures, grade stabilization structures, multipurpose structures, and irrigation and recreation facilities. Funds for planning and operations for watershed projects are allocated by lump sum to State SCS offices where work priorities are formulated each year in cooperation with local sponsors.

## PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	78 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
SCS:																
Colorado	X		2148	1317												
Iowa				3300												
Kansas				5,150												
Minnesota				2,920												
Missouri				540	400	1,400	1,600									
Montana			444	456	1,599	466										
Nebraska			4280	1,600	1,600	1600	1600									
North Dakota				3,597												
South Dakota				568												
Wyoming			260	811	1,150	1,150										

Agency Contact: Stewart JesseeAddress: Federal Building-U.S. Courthouse  
Room 345  
Lincoln, NE 68508Phone: FTS 541-5311

SCS  
WATERSHED PLANNING AND PROTECTION PROGRAMS

Kansas

1. Approved Application (Preliminary Planning)

<u>Project</u>	<u>Location</u>	<u>Total Funding</u> (\$1,000)	<u>Schedule</u>	<u>Features</u>
Pony Creek	Middle Mo. SB, SR #24, Nemaha and Brown Counties	\$4,300	Post - 1984	52 - FRS
Roys Creek	Middle MO. SB, SR #24, Brown County	\$3,300	Post - 1984	48 - FRS
Upper Delaware	Kansas SB, SR #27	\$9,300	Post - 1985	50 - FRS

2. Work Plan Investigation

<u>Project</u>	<u>Location</u>	<u>Total Funding</u> (\$1,000)	<u>Schedule</u>	<u>Features</u>
Dry Creek	Kansas SB, SR #25 Republican, Washington, Clay, and Cloud Counties	\$ 470	80/84	2 - FRS
Elk Creek	Kansas SB, SR #27 Nemaha, Jackson, and Jefferson Counties	\$ 9,400	80/	70 - FRS, IMPS
Grasshopper-Coal Creek	Kansas SB, SR #24, 27, Atchison and Jefferson Counties	\$ 3,500	80/85	39 - FRS
Middle Creek	Lower MO. SB, SR #29, Miami and Linn Counties	\$ 3,200	80/	7 - FRS, IMPS
Wolf River	Middle MO. SB, SR #24, Doniphan and Brown Counties	\$18,500	82/	193 - FRS

NAME OF PROGRAM: Soil SurveysLEAD AGENCY: U.S. Department of Agriculture (USDA) Soil Conservation Service (SCS)AUTHORITY(S): Soil Conservation Act of 1935

## PROGRAM STATUS

## PROGRAM TYPE

## PROGRAM SCOPE

☒ Ongoing  
☐ Resumption  
☐ New Start☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed StudyPROGRAM PURPOSES  
(Percent)☒ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

SUMMARY: Program of soil surveys, investigations and interpretations conducted under the Conservation Operations program to assess and map soils for use in planning and operations of federal, state and local entities and individuals. Each state SCS office monitors the annual progress of its surveys.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

☒

Basinwide

Upper Missouri

Yellowstone

Western Dakotas

Eastern Dakotas

Platte Niobrara

Middle Missouri

Kansas

Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Funding Source				
	Cont.	Total	78 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	O t h e r
Colorado - SCS	X		1198	1348	(Statewide)							X			
Iowa - SCS	X		600	1002	(Statewide)		200	200							
Kansas - SCS	X	4,000	790	415	435	455	475	500	475	455	0	X			
Minnesota - SCS	X		14	39	39	39	39	39			180	X			
Missouri - SCS	X		376	396.5	418.6	446.8	471.1	497.3	525.3	552.5		X			
Montana - SCS	X		1032	1108	1015	1017						X			
Nebraska - SCS				852	895	940	987								
North Dakota - SCS			600	600	600	600	600	600	600	600	2850	X			
South Dakota - SCS				720	700	700	700	700	500						
Wyoming - SCS			388.5	347.3	350										

Agency Contact: Stewart Jessee, SCSAddress: Federal Bldg. Rm. 345  
100 Centennial Mall N.  
Lincoln, NB 68508Phone: FTS 541-5311

NAME OF PROGRAM: Water Bank

LEAD AGENCY: United States Department of Agriculture/Soil Conservation Service (SCS) AUTHORITY(S):

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☒ 100 Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Assistance on identification and preservation of wetlands.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	FY 1978 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	Direct	Share (%)	Grant	Loan	Other
Colorado																
Iowa																
Kansas																
Minnesota																
Missouri																
Montana			32.5	35.0	47.0	47.0	same									
Nebraska																
Noth Dakota																
South Dakota																
Wyoming																

Agency Contact: Stewart Jesse (SCS)

Address: Federal Bldg. Rm. 345  
100 Centennial Mall N.  
Lincoln, NE 68508

Phone: FTS 541-5311

LEAD AGENCY: United States Department of Agriculture/Soil Conservation Service (SCS) AUTHORITY(S):

## PROGRAM SCOPE

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

	A	Framework Study
	B	Basin Planning
X	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
X	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Study of water supply problems and alternative solutions.

PURPOSE OR OBJECTIVES:

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	Middle Missouri
25,27	Kansas
29	Lower Missouri

STATE(S):  
Kansas

COUNTY(S)/VICINITY: Eastern Kansas

☐ STATEWIDE[illegible]

Phone:



NAME OF PROGRAM: Suspended Sediment Study

LEAD AGENCY: United States Department of Agriculture/Soil Conservation Service (SCS) AUTHORITY(S): PL 83-566

AUTHORITY(S): PL 83-566

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
X	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
X	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Study of relationship between suspended sediment and channel stability.

**PURPOSE OR OBJECTIVES:**

LOCATION

STATE(S):  
Kansas

COUNTY(S)/VICINITY: Northeastern Kansas

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	Middle Missouri
25,27	Kansas
	Lower Missouri

[illegible]

Agency Contact: Stewart Jessee, SCS

Address: Lincoln, Nebraska

**Phone:**

NAME OF PROGRAM: Assistance to State Water PlanningLEAD AGENCY: Corps of Engineers (COE)AUTHORITY(S): PL-93-251 Sec. 22

## PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☒ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

## PROGRAM SCOPE

☐ A Framework Study  
☒ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed StudyPROGRAM PURPOSES  
(Percent)☒ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

SUMMARY: Provide technical planning assistance to states in developing state water plans.

PURPOSE OR OBJECTIVES: North Dakota - Study groundwater levels in Bismarck - Mandan area. Determine effort of improved drainage on Red River Levees.

South Dakota - Currently developing hydrology/hydraulics on Lower James River from Huron to mouth - Future work will be directed toward the Eastern Dakota Lakes.

Colorado - Assistance with State plan.

Nebraska - Development and application of hydrologic modeling.

## SUBREGION(S):

## SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S): Colorado  
Nebraska  
North Dakota  
South Dakota

## COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
COE - Colorado(Sacramento District)				30	15	15	15	15	15		Indef.	X				
COE - Iowa (no activity)																
COE - Kansas (no activity)																
COE - Minnesota (no activity)																
COE - Missouri (Kansas City District)				35								X				
COE - Montana (no activity)																
COE - Nebraska (KC, Omaha Districts)				35	15	15	15	15	15		Indef.	X				
COE - North Dakota				70	38	38	38	38	38		Indef.					
COE - South Dakota				80	27	27	27	27	27		Indef.	X				
COE - Wyoming (no activity)																

Agency Contact: Dave Day - COE  
Planning Branch - COE  
Claude Pratt - COE  
Lee McQuivey  
William SweeleAddress: Kansas City, Missouri  
Tulsa, Oklahoma  
Sacramento, California  
Salt Lake City, Utah  
Omaha, NEPhone: FTS-758-3674  
FTS-736-7314  
FTS-448-2524  
FTS-558-4264  
FTS-864-4603



LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** P.L. 87-874

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
62	Flood Damage Abatement
4	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
11	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
23	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** The multipurpose reservoir is located four miles southwest of Lawrence, Kansas on the Wakarusa River in Douglas County Kansas.

**PURPOSE OR OBJECTIVES:** Flood damage abatement; fish and wildlife; municipal, industrial, and rural water; and recreation.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
27	X Kansas
	Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY: Douglas  
Wakarusa River

☐ STATEWIDE[illegible]

Agency Contact: Don Hammond  
Basin Planning Branch

Address: Kansas City, Missouri

Phone: FTS 258-2500

NAME OF PROGRAM: Emergency Bank Protection, Section 14 of Flood Control Act of 1946

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** Flood Control Act of 1946, Section 14 as amended by 93-251, Section 21.

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
100	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** "The Secretary of War is hereby authorized to allot from any appropriations heretofore or hereinafter made for flood control, not to exceed \$10,000,000 per year, for the construction, repair, restoration, and modification of emergency streambank and shoreline protection works to prevent damage to highways, bridge approaches, public works, churches, hospitals, schools and other nonprofit public services, when in the opinion of the Chief of Engineers such work is advisable: Provided, that not more than \$250,000 shall be allotted for this purpose at any single locality from the appropriations for any one fiscal year."

PURPOSE OR OBJECTIVES: Work under this authority shall serve to prevent flood damage to endangered highways, highway bridge approaches, and other essential, important, public works for the general public use of a similar nature which are endangered by reason of bank erosion in the immediate vicinity thereof. "Public Works" within the meaning of the above cited legislation are considered to be those essential facilities which serve the general public, and are owned and operated by the Federal, State or local government, such as municipal water supply systems and sewage disposal plants. In addition to major highway systems of national importance, eligible highways may also include principal highways, streets, and roads of significant importance to the local community, such as arterial streets, important access routes to other communities and adjacent settlements as well as roads designated as primary farm to market roads.

## SUBREGION(S):

SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

**LOCATION**

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: Don Hammond, COE  
James Vodicka

Address: Kansas City, Missouri  
Omaha, Ne

Phone: FTS 758-2504  
FTS 864-4581

**AUTHORITY(S):** PL-89-80

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
X	Regional Planning
	Impl. Study
	Prog. Implement.

	A Framework Study
X	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**PURPOSE OR OBJECTIVES:** To provide an assessment of the physical, institutional, economic and ecological impacts of alternative floodways.

Kansas  
Missouri

COUNTY(S)/VICINITY: Main stem Missouri River

STATEWIDE

**SUBBASIN(S):**

## Basinwide

Upper Missouri

**Yellowstone**

## Western Dakotas

## Eastern Dakotas

## Platte Niobrara

24

X

### Middle Missouri

30

X

**Kansas**

### Lower Missouri

[illegible]

John Sedovic  
Hydrological Engineering Branch

Address: Kansas City, Missouri

**Phone:** FTS 758-3955

NAME OF PROGRAM:

**LEAD AGENCY:**

**AUTHORITY(S):**

**PROGRAM STATUS**


## Deferred

**PROGRAM TYPE**

X

## PROGRAM SCOPE

X

**PROGRAM PURPOSES**  
(Percent)

X
X
X
X

**DESCRIPTION**

**SUMMARY:** Deferred for restudy.

**PURPOSE OR OBJECTIVES:** Flood control, watersupply, recreation.

**LOCATION**

STATE(S): Kansas

COUNTY(S)/VICINITY: Marrnaton River  
Bourbon County

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

### Basinwide

## Upper Missouri

**Yellowstone**

## Western Dakotas

## Eastern Dakotas

## Platte Niobrara

## Middle Missouri

**Kansas**

29 X Lower Missouri

[illegible]

Agency Contact: Don Hammond  
Basin Planning Branch

Address: Kansas City, Missouri

**Phone:** FTS 758-2504

NAME OF PROGRAM: Grove Lake Study, Kansas  
LEAD AGENCY: Corps of Engineers (COE) AUTHORITY(S): P.L. 87-874

**AUTHORITY(S):** P.L. 87-874

## PROGRAM SCOPE

	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
X	C-2	Detailed Study

	Comprehensive
58	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
8	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
34	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Inactive.

**PURPOSE OR OBJECTIVES:** Flood damage abatement; fish and wildlife; municipal, industrial, and rural water; and recreation.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
27	X Kansas
	Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY: Soldier Lake  
Soldier Creek near Topeka

☐ STATEWIDE[illegible]

Address: Kansas City, Missouri

Phone: FTS 758-2504

**AUTHORITY(S):** P.L. 87-874, 80-858, and section 205

LEAD AGENCY: Corps of Engineers (C )

AUTHORITY(S): P.L. 83-780

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
24	Flood Damage Abatement
6	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
48	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
2	Recreation
	Transportation
20	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Multipurpose reservoir.

PURPOSE OR OBJECTIVES: Flood damage abatement; fish and wildlife; municipal, industrial, and rural water; recreation; and water quality management.

## SUBBASIN(S):

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Big Bull Creek  
Miami County

☐ STATEWIDE[illegible]

Address: Kansas City, Missouri

Phone: FTS 758-2504

**AUTHORITY(S):**

	Ongoing
	Resumption
X	New Start

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
X	Transportation
X	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Study to examine the impacts of channel modification on recreation and water quality.

Missouri  
Kansas  
Iowa  
Nebraska

☐ STATEWIDE

			Basinwide
			Upper Missouri
			Yellowstone
			Western Dakotas
			Eastern Dakotas
			Platte Niobrara
23	24	X	Middle Missouri
			Kansas
30		X	Lower Missouri

[illegible]

Phone: FTS-864-4579



NAME OF PROGRAM: Kansas and Usage Rivers Water Management Study, Kansas

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** Committee on Public Works  
U.S. Senate 2 Feb. 1977  
Committee on Public Works  
and Transportation  
U.S. House 10 May 1977

PROGRAM STATUS

	Ongoing
	Resumption
X	New Start

PROGRAM TYPE

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
X	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
X	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

SUMMARY: Water management study.

PURPOSE OR OBJECTIVES: Determine water supply needs; determine nature and extent of salt intrusion problems; and prepare and evaluate alternative solutions.

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Kansas and Osage River Basins

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri

27 X Kansas  
29 X Lower Missouri

[illegible]

Agency Contact: Dave Day  
Basin Planning Branch

Address: Kansas City, Missouri

Phone: FTS 758-3674

NAME OF PROGRAM: Kansas City, Kansas River Modification, Kansas

LEAD AGENCY: Corps of Engineers (COE)

AUTHORITY(S): P.L. 87-874

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
100	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Raising existing levees and floodwalls for additional flood control.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
27	X Kansas
	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Wyandotte County

☐ STATEWIDE[illegible]

Agency Contact: Don Hammond  
Basin Planning Branch

Address: Kansas City, Missouri

**Phone: FTS 758-2504**

NAME OF PROGRAM:

LEAD AGENCY:

**AUTHORITY(S):**

## PROGRAM STATUS

X

PROGRAM TYPE

X

## PROGRAM SCOPE

X

PROGRAM PURPOSES  
(Percent)

X
X
X
X
X
X

DESCRIPTION

**SUMMARY:** Study bank erosion and related problems.

**PURPOSE OR OBJECTIVES:** Determine nature and extent of erosion, especially downstream of existing Corps' lakes; determine which measures, structural or nonstructural, are appropriate.

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Kansas River and tributaries below  
Federal reservoirs.

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

### Basinwide

## Upper Missouri

Yellowstone

## Western Dakotas

## Eastern Dakotas

Platte Niobrara

## Middle Missouri

25, 26, 27 X Kansas

Lower Missouri

[illegible]

Agency Contact: Dave Day  
Basin Planning Branch

Address: Kansas City, Missouri

Phone: FTS 758-3674

NAME OF PROGRAM: Kansas River Navigation Project, Kansas

LEAD AGENCY: Corps of Engineers (COE)

AUTHORITY(S): P.L. 89-298 Section 2

PROGRAM STATUS

☐ Ongoing  
☐ Resumption  
☒ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☒ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

Basinwide  
Upper Missouri  
Yellowstone  
Western Dakotas  
Eastern Dakotas  
Platte Niobrara  
Middle Missouri  
27 X Kansas  
Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Lower 9.33 miles of Kansas River

☐ STATEWIDE

FUNDING SOURCE/AGENCY	----- \$1,000 -----											Funding Source				
	ESTIMATED PROGRAM FUNDING											D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete					
+COE		5,400	240	80*	150	2,900	2,030					x				
Local		23														
*Reflects funds to be transferred into project																
+Includes GDM costs																

Agency Contact: Don Hammond  
Basin Planning Branch

Address: Kansas City, Missouri

Phone: FTS 758-2504

NAME OF PROGRAM: Lawrence, Kansas Levee Project, Kansas  
LEAD AGENCY: Corps of Engineers (COE) AUTHORITY(S): P.L. 87-780

**AUTHORITY(S):** P.L. 87-780

PROGRAM TYPE

## PROGRAM SCOPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Agmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Plans provide for 15.8 miles of new levee, 1.1 miles of levee raise, and 6.1 miles of channel improvement for Mud Creek. Left bank levee upstream from Massachusetts Ave. was transferred to Lawrence for O&M on May 1, 1971. Levee from Massachusetts Ave. to Mud Creek was transferred to Lawrence for O&M on May 12, 1972. The Mud Creek channel improvement and levees work was awarded May 13, 1976 and is nearing completion. Relocation of the Union Pacific Railroad bridges is also nearing completion.

**PURPOSE OR OBJECTIVES:**

## SUBBASIN(S):

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

## STATE(S): Kansas

COUNTY(S)/VICINITY: Douglas County  
Lower Mud Creek

☐ STATEWIDE

Address: Kansas City, Missouri

Phone: FTS 758-2504

**AUTHORITY(S):** 10/10/74 Public Works  
Committee Resolution

NAME OF PROGRAM: Master Plans for Future Development and Operation of Reservoirs

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** 1944 Flood Control Act.

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
30	Fish and Wildlife
	Irrigation
20	Land Conserv. & Mgmt.
	M&I and Rural Water
40	Natural, Hist., & Cult.
	Power and Energy
10	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Preparation of master plans to serve as a guide to future operation and development of the project.

Active Studies:

- Fort Randall- South Dakota
- Oahe- South Dakota
- Garrison- North Dakota
- Fort Peck- Montana
- Cottonwood Springs -South Dakota
- Coldbrook- South Dakota
- Bowman Haley- North Dakota
- Bear Creek-Colorado

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

X	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
_____	Kansas
_____	Lower Missouri

LOCATION

STATE(S):

Colorado  
Montana  
North Dakota  
South Dakota

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: Art Jensen

Address: Omaha, Nebraska

Phone: FTS 864-4602

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** P.L. 93-251, Section 17

## PROGRAM SCOPE

	A Framework Study
	B Basin Planning
	C-1 Preliminary Study
X	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Recreation access roads; planning.

**PURPOSE OR OBJECTIVES:**

**STATE(S):** Kansas

COUNTY(S)/VICINITY: Osage County

STATEWIDE

**SUBREGION(S):**

**SUBBASIN(S):**

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

## FUNDING SOURCE/AGENCY

**\$1,000**

ESTIMATED PROGRAM FUNDING

Bal. to	
Complete	

Funding Source				
Direct	Share (%)	Grant	Loan	Other

+COF

Local

+ Includes GDM cost

Agency Contact: Don Hammond  
Basin Planning Branch

**Address:** Kansas City, Missouri

Phone: FTS 758-2504





**AUTHORITY(S):** Fish and Wildlife Coordination Act  
1958-PL-85-624

## PROGRAM SCOPE

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

	A Framework Study
	B Basin Planning
X	C-1 Preliminary Study
	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
100	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

### SUMMARY:

**PURPOSE OR OBJECTIVES:** To identify and analyze opportunities which can be recommended in compensation for fish and wildlife loss caused by construction, operation, and maintenance of a project. Improvement of existing fish and wildlife habitat conditions of the Missouri River. Measures which aid rare and endangered species will be emphasized.

STATE(S):  
Nebraska  
Iowa  
Kansas  
Missouri

COUNTY(S)/VICINITY: All counties bordering main stem Missouri River

☐ STATEWIDE

## SUBREGION(S):

## SUBBASIN(S):

			Basinwide
			Upper Missouri
			Yellowstone
			Western Dakotas
			Eastern Dakotas
			Platte Niobrara
23	24	X	Middle Missouri
			Kansas
	30	X	Lower Missouri

[illegible]

Agency Contact: Taylor COE  
Basin Planning Branch  
Doug McDonald

**Address:** Kansas City, Missouri

**Phone:** FTS 758-3672

\*Programming under Missouri River bank stabilization and navigation project.

FTS 864-4586

NAME OF PROGRAM: Missouri River Levee System

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** Flood Control Acts of 1941, 1944

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
X	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
100	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** The Missouri River levee system provides flood protection to areas along the Missouri River from Sioux City, Iowa to the mouth.

**PURPOSE OR OBJECTIVES:**

LOCATION

STATE(S):

Nebraska  
Iowa  
Kansas  
Missouri

COUNTY(S)/VICINITY: Main stem Missouri

☐ STATEWIDE

**SUBREGION(S):**

SUBBASIN(S):

			Basinwide
			Upper Missouri
			Yellowstone
			Western Dakotas
			Eastern Dakotas
			Platte Niobrara
23	24	X	Middle Missouri
			Kansas
29	30	X	Lower Missouri

## FUNDING SOURCE/AGENCY

[illegible]

Agency Contact: Don Hammond - COE  
Basin Planning branch  
Frank Voss

Address: Kansas City, Missouri  
Omaha, NE

Phone: FTS 758-2504  
FTS 864-4492

**AUTHORITY(S):** Rivers and Harbors Act of 1960. Flood Control Act of 1962. Program conducted under navigation study authority.



LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** P.L. 87-874

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
X	C-2	Detailed Study

	Comprehensive
59	Flood Damage Abatement
2	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
25	M&I and Rural Water
	Natural, Hist., & Cult
	Power and Energy
16	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Multipurpose reservoir.

PURPOSE OR OBJECTIVES: Flood damage abatement; fish and wildlife; municipal, industrial, and rural water; and recreation.

SUBBASIN(S):

## Basinwide

## Upper Missouri

## Yellowstone

## Western Dakotas

## Eastern Dakotas

## Platte Niobrara

### Middle Missouri

27 X Kansas

### Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY: Vermillion Creek  
Pottawatomie County

☐ STATEWIDE[illegible]

**Address:** Kansas City, Missouri

Phone: FTS 758-2504

**AUTHORITY(S):** P.L. 92-222

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
X	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Improve access to lake and recreation areas.

**PURPOSE OR OBJECTIVES:**

SUBBASIN(S):

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY: Perry Lake  
Jefferson County

☐ STATEWIDE[illegible]

Phone: FTS 758-2504

**AUTHORITY(S):** River and Harbor Act of 1899, Section 10. Section 404 - Clean Water Act.

**Phone:** FTS 758-3645



**AUTHORITY(S):** Water Resources Development Act  
of 1976-PL-94-587

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A Framework Study
X	B Basin Planning *
	C-1 Preliminary Study
	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
100	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Assess the current national waterway system and its capacity to meet current and projected transportation needs for commerce and defense purposes.

\*Note Missouri River treated as a subsystem of Mississippi system in this study.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

## SUBBASIN(S):

\_\_\_\_\_ X Basinwide  
 \_\_\_\_\_ Upper Missouri  
 \_\_\_\_\_ Yellowstone  
 \_\_\_\_\_ Western Dakotas  
 \_\_\_\_\_ Eastern Dakotas  
 \_\_\_\_\_ Platte Niobrara  
 \_\_\_\_\_ Middle Missouri  
 \_\_\_\_\_ Kansas  
 \_\_\_\_\_ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Agency Contact: Lyle Marlott  
Basin Planning Branch  
R. C. Roberts  
Chief Economics

Address: Kansas City, Missouri  
Missouri River Division  
Omaha, NE

Phone: FTS 758-3079  
FTS 864-7275

**AUTHORITY(S):** Water Resources Development Act of 1976

## PROGRAM SCOPE

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

	A	Framework Study
X	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
100	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** The Secretary of the Army, acting through the Chief of Engineers, is authorized and directed to conduct a study of the most efficient methods of utilizing the hydro-electric power resources at water resources development projects under the jurisdiction of the Secretary of the Army and to prepare a plan based upon the findings of such a study. The study is being conducted by the Office of the Chief of Engineers with assistance from the Engineering Districts.

PURPOSE OR OBJECTIVES: Determine potential for power generation at all existing and potential dam sites.

SUBREGION(S):	SUBBASIN(S):
X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

## STATE(S): COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Phone: FTS 758-3062  
FTS 864-4432

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** Section 205 of Flood Control Act of 1948 as amended by Section 205 of Flood Control Act of 1962 (PL-87-984) and Section 61 of the Water Resources Development Act of 1974.

## PROGRAM SCOPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
700	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Small Flood Control Projects. Section 205 of the 1948 Flood Control Act as amended by Section 205 of the 1962 Flood Control Act (P.L. 87-874) and Section 61 of the Water Resources Development Act of 1974 provides authority to the Chief of Engineers to construct small projects for flood control and related purposes that have not already been specifically authorized by Congress. The Federal share in these projects nationwide cannot exceed \$30 million annually. Each project selected must be complete in itself, economically and environmentally justified, and limited to a Federal cost of not more than \$2 million; except that in the case where a project is designed to protect an area which has been declared to be a major disaster area by the President in the last five years, the Federal cost is limited to \$3 million, providing the project is approved for construction within 5 years after the disaster declaration date. The local sponsoring agency must agree to provide without cost to the United States all lands, easements, and rights-of-way, including highway, highway bridge, and utility relocations and alterations; hold and save the United States free from damages, maintain and operate the project after completion; assume all project costs in excess of the Federal cost limit; and prevent future encroachments on improved channels.

STATE(S): Iowa  
Nebraska  
Kansas  
Missouri

COUNTY(S)/VICINITY:  
Montgomery - Red Oak, Iowa  
Thurston - Pender, NE  
☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
22	X	Platte Niobrara
24	X	Middle Missouri
		Kansas
		Lower Missouri

[illegible]

Agency Contact: Don Hammond, COE  
Basin Planning Branch  
James Vodica

Address: Kansas City, MO  
Omaha, NE

Phone:

FTS 864-4581

LEAD AGENCY: Corps of Engineers (COE)

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
100	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Snagging and Clearing Projects for Flood Control. Section 208 of the Flood Control Act of 1954 (P.L. 780, 83d Congress), as amended by Section 26 of the Water Resources Development Act of 1974, authorizes clearing and straightening of stream channels and the removal of accumulated snags and other debris in the interest of flood control. Each project selected must be economically justified, and environmentally acceptable. The maximum Federal expenditure per project is limited to \$250,000. A Section 208 project is designed to be complete in itself and not require additional work for effective flood control. The local sponsoring agency must agree to provide without cost to the United States all lands, easements, rights-of-way, and all required alterations and relocations in utility facilities; hold and save the United States free from damages; maintain the project upon completion; assume all project costs in excess of \$250,000; and provide a cash contribution toward construction costs where "windfall" land enhancement or other special benefits would accrue. The cash contribution, where required, is computed in accordance with existing policies for regularly authorized projects.

PURPOSE OR OBJECTIVES:

Currently no active studies under this authority.

## SUBREGION(S):

## SUBBASIN(S):

X	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
_____	Kansas
_____	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Agency Contact: Don Hammond, (COE)  
James Vodicka

Address: Kansas City, Missouri  
Omaha, Nebraska

Phone: FTS 758-2504  
FTS 864-4581

NAME OF PROGRAM: Section 404 Permit Program

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** Section 404 of the Federal Water Pollution Control Act, as amended

**PROGRAM STATUS**

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

**PROGRAM PURPOSES**  
**(Percent)**

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Section 404 of the Federal Water Pollution Control Act as amended, prohibits the discharge of dredged or fill material into the waters of the United States unless the discharge has been recommended by the Chief of Engineers and authorized by the Secretary of the Army.

**PURPOSE OR OBJECTIVES:** The Department of the Army acting through the corps of engineers is responsible for administering Federal laws regulating the discharge of dredged or fill material into the waters of the United States. The Regulatory Program of the Corps of Engineers was published on July 19, 1977. That Federal register prescribed the special policies and procedures to be followed in the evaluation of permit applications for the discharge of dredged or fill material into the waters of the United States. **SUBREGION**

SUBREGION(S):

SUBBASIN(S):

X Basinwide

## Upper Missouri

**Yellowstone**

## Western Dakotas

## Eastern Dakotas

## Platte Niobrara

### Middle Missouri

**Kansas**

## Lower Missouri

**LOCATION**

STATE(s): Colorado  
Iowa  
Kansas  
Minnesota  
Missouri  
Montana  
Nebraska  
North Dakota  
South Dakota  
Wyoming

COUNTY(S)/VICINITY: Waters of the United States

☐ STATEWIDE[illegible][illegible]

Agency Contact: Mej Jewett, COE  
Regulatory Functions Branch

Address: Kansas City, Missouri  
Omaha, NE

Phone: FTS 864-4133

NAME OF PROGRAM: Stranger Creek Basin, Kansas

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** Committee on Public Works  
U.S. Senate Resolution  
12 May 1976

### PROGRAM STATUS

	Ongoing
	Resumption
X	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A Framework Study
	B Basin Planning
X	C-1 Preliminary Study
	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Study for flood control, water supply, and recreation development.

**PURPOSE OR OBJECTIVES:** Identify flood control, water supply, and recreation needs within the basin and formulate plans capable of alleviating defined needs.

**SUBREGION(S):**

## SUBBASIN(S):

_____		Basinwide
_____		Upper Missouri
_____		Yellowstone
_____		Western Dakotas
_____		Eastern Dakotas
_____		Platte Niobrara
24	X	Middle Missouri
27	X	Kansas
_____		Lower Missouri

**LOCATION**

STATE(S): Kansas

COUNTY(S)/VICINITY: Leavenworth  
Atchinson  
Jefferson

☐ STATEWIDE[illegible]

Agency Contact: Dave Day  
Basin Planning Branch

Address: Kansas City, Missouri

**Phone:** FTS 758-3674

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** Section 4 of Flood Control Act  
of 1944 Federal Water Project  
Recreation Act of 1965 ( PL-89-72 )

## PROGRAM SCOPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
100	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

Iowa - 1  
Kansas-7  
Missouri-2  
Nebraska- 1

Upgrading is also being completed in the states of Montana, South Dakota, and North Dakota

**PURPOSE OR OBJECTIVES:** To provide new or replacement recreational facilities in public use areas that have experienced heavy visitation.

## SUBBASIN(S):

X

### Basinwide

## Upper Missouri

## Yellowstone

Western Dako

## Eastern Dakotas

Platte Niobrara

## Middle Missouri

**Kansas**

Lower Missouri

**STATE(S):**

Iowa  
Kansas  
Missouri  
Nebraska  
Montana  
North Dakota  
South Dakota

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

FTS 864-4468

NAME OF PROGRAM: Tuttle Creek Lake, Kansas - Road and Bridge (1976 Act)

LEAD AGENCY: Corps of Engineers (COE)

**AUTHORITY(S):** P.O. 94-587, Section 18

### PROGRAM STATUS

	Ongoing
	Resumption
X	New Start

**PROGRAM TYPE**

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult
	Power and Energy
X	Recreation
X	Transportation
	Water Quality Mgmt.
	Legal and Institutiona
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Lake access.

**PURPOSE OR OBJECTIVES:**

## SUBREGION(S):

**SUBBASIN(S):**

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
27	X Kansas
	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Tuttle Creek Lake  
Marshall County

☐ STATEWIDE[illegible]

Agency Contact: Don Hammond  
Basin Planning Branch

Address: Kansas City, Missouri

Phone: FTS 758-2504



NAME OF PROGRAM:

LEAD AGENCY:.

**AUTHORITY(S):**

### PROGRAM STATUS

X

**PROGRAM TYPE**

X
X

## PROGRAM SCOPE


**PROGRAM PURPOSES**  
(Percent)

X

### DESCRIPTION

SUMMARY: Archaeological survey and salvage (NPS/Smithsonian); cultural resources management plan; and historical survey.

**PURPOSE OR OBJECTIVES:** Identification and administration of cultural resources in accordance with ER 1105-2-460 (to implement P.L. 93-291 and E.O. 11593).

**SUBREGION(S):**

SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
27	X Kansas
	Lower Missouri

**LOCATION**

STATE(S): Kansas

COUNTY(S)/VICINITY: Marshall  
Riley  
Pottawattomie

☐ STATEWIDE[illegible]

Agency Contact: M. Comstock  
Basin Planning Branch

Address: Kansas City, Missouri

Phone: FTS 758-5063

**AUTHORITY(S):** P.L. 93-251, Section 18

NAME OF PROGRAM: Wolf-Coffey Lake, Kansas

LEAD AGENCY: Corps of Engineers (COE) AUTHORITY(S):

**AUTHORITY(S):**

PROGRAM TYPE

## PROGRAM SCOPE

	Ongoing	Resumption	New Start
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Inactive

	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

	A Framework Study
	B Basin Planning
	C-1 Preliminary Study
X	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
X	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Preconstruction planning for multipurpose reservoir.

**PURPOSE OR OBJECTIVES:** Flood damage abatement and recreation.

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Blue River southwest of Kansas City, Kansas

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

### Basinwide

## Upper Missouri

## Yellowstone

## Western Dakotas

## Eastern Dakotas

Platte Niobrara

### Middle Missouri

27 X Kansas

30 X Lower Missouri

[illegible]

Agency Contact: Don Hammond  
Basin Planning Branch

Address: Kansas City, Missouri

Phone: FTS 758-2504

PL-587 Sec. 193 CF

4 - 115

NAME OF PROGRAM: Data Archiving and Publication

LEAD AGENCY: United States Department of Commerce/Environmental Data Service (EDS) AUTHORITY(S):

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Collect, process and disseminate meteorological, hydrologic and climatological data.

PURPOSE OR OBJECTIVES: Collection, Archiving and Publication

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
EDS - USDC																
Colorado	X			14								X				
Iowa	X			11								X				
Kansas	X			48								X				
Minnesota	X			4								X				
Missouri	X			41								X				
Montana	X			75								X				
Nebraska	X			77								X				
North Dakota	X			28								X				
South Dakota	X			56								X				
Wyoming	X			34								X				

Agency Contact: Elroy Balke  
Regional Hydrologist, NWS

Address: USDC NOAA - National Weather Service Central Region  
Room 1836  
601 East 12th Street  
Kansas City, MO 64108

Phone: FTS-758-3229

LEAD AGENCY: United States Department of Commerce/National Weather Service (NWS) AUTHORITY(S):

X	Ongoing
	Resumption
	New Start

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
X	Irrigation
X	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

PURPOSE OR OBJECTIVES: Provide agriculture with specialized weather services including observations, forecasts, and warnings to improve agricultural efficiency.

## STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

X Basinwide

Upper Missouri

Yellowstone

## Western Dakotas

## Eastern Dakotas

Platte Niobrara

Middle Missouri

**Kansas**

## Lower Missouri

[illegible]

Phone: FTS 758-3229

NAME OF PROGRAM: Aviation Weather

LEAD AGENCY: United States Department of Commerce/National Weather Service (NWS) AUTHORITY(S):

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
X	Power and Energy
	Recreation
X	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

## DESCRIPTION

**SUMMARY:**

PURPOSE OR OBJECTIVES: Provide aviation area route and terminal forecast information for safe and efficient operation.

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

_____ X	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
_____	Kansas
_____	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

_____ X	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
_____	Kansas
_____	Lower Missouri

[illegible]

Agency Contact: Elroy C. Balke  
Regional Hydrologist

Address: National Weather Service Central Region  
Room 1836, 601 E. 12th St.  
Kansas City, MO 64106

Phone: FTS 758-3229

AUTHORITY(S):

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** Provide weather data for meteorologist, climatologists, aviation, forestry organizations, etc. in support of weather and river forecast and warning services includes synoptic surface observations, upper air, radar, automatic station, hydrologic, and climatologic substations, etc.

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Phone: FTS 758-3229



NAME OF PROGRAM: Fire Weather and Air Pollution Weather Service

LEAD AGENCY: United States Department of Commerce/National Weather Service (NWS) AUTHORITY(S):

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** Effective operational meteorological support to local, State, and Federal programs for controlling and combating air pollution; public advice; and disseminate fire weather forecasts, warnings, and advisories to fire control and forest management agencies.

## SUBREGION(S):

SUBBASIN(S):

<u>          </u> X	Basinwide
<u>          </u>	Upper Missouri
<u>          </u>	Yellowstone
<u>          </u>	Western Dakotas
<u>          </u>	Eastern Dakotas
<u>          </u>	Platte Niobrara
<u>          </u>	Middle Missouri
<u>          </u>	Kansas
<u>          </u>	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Agency Contact: Elroy C. Balke  
Regional Hydrologist

Address: National Weather Service Central Region  
Room 1836, 601 E. 12th St.  
Kansas City, MO 64106

Phone: FTS 758-3229

LEAD AGENCY: U.S. Department of Commerce, National Weather Service AUTHORITY(S):

NAME OF PROGRAM: Public Weather

LEAD AGENCY: United States Department of Commerce/National Weather Service (NWS) AUTHORITY(S):

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A Framework Study
	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
X	Flood Damage Abatement
X	Fish and Wildlife
X	Irrigation
X	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
X	Power and Energy
X	Recreation
X	Transportation
X	Water Quality Mgmt.
	Legal and Institutional
X	Instream Flows

**DESCRIPTION**

**SUMMARY:**

PURPOSE OR OBJECTIVES: Current weather forecasts and warnings providing them to the news media, to contribute to the safety and welfare and to meet the needs for weather information in all sections of the economy.

SUBREGION(S): SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Agency Contact: Elroy C. Balke  
Regional Hydrologist

Address: National Weather Service Central Region  
Room 1836, 601 E. 12th St.  
Kansas City, MO 64106

Phone: FTS 758-3229

LEAD AGENCY: United States Department of Commerce/National Weather Service (NWS) AUTHORITY(S):

### PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
X	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
X	Power and Energy
X	Recreation
X	Transportation
X	Water Quality Mgmt.
	Legal and Institutional
X	Instream Flows

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** Provide river and flood forecasts and flood warnings to the public and water operational agencies.

## SUBBASIN(S):

X Basinwide  
\_\_\_\_ Upper Missouri  
\_\_\_\_ Yellowstone  
\_\_\_\_ Western Dakotas  
\_\_\_\_ Eastern Dakotas  
\_\_\_\_ Platte Niobrara  
\_\_\_\_ Middle Missouri  
\_\_\_\_ Kansas  
\_\_\_\_ Lower Missouri

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Phone: FTS 758-3229

LEAD AGENCY: U.S. Department of Energy (DOE)/Federal Energy Regulatory Commission (FERC) AUTHORITY(S):

## PROGRAM SCOPE

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
100	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY :**

**PURPOSE OR OBJECTIVES:** Basic planning support for action agencies.

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

[illegible]

Address: Federal Building, Room 3130  
230 S. Dearborn St.  
Chicago, IL 60604

Phone: FTS 353-6171

NAME OF PROGRAM: National Uranium Resource Evaluation

LEAD AGENCY: Department of Energy (DOE)

AUTHORITY(S): P.L. 95-96

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☒ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Aerial radiometric surveys, hydrogeochemical stream and sediment collection and analysis, and quadrangle assessment studies.

PURPOSE OR OBJECTIVES: Total National Uranium Resource Evaluation.

SUBREGION(S): SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

----- \$1,000 -----												Funding Source				
FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete					
CO			18	321	521	323	306	267				X				
IA			10	177	288	188	169	103				X				
KS			26	460	748	420	437	265				X				
MN			1	18	30	20	18	11				X				
MO			24	435	694	452	408	248				X				
MT			26	1,323	1,908	1,404	1,260	766				X				
NE			47	832	1,352	850	793	481				X				
ND			26	477	776	456	454	276				X				
SD			51	887	1,442	941	845	513				X				
NY			47	617	1,346	878	788	480				X				
TOTAL			326	5,547	9,105	5,932	5,778	2,410								

Agency Contact: Frank M. Eckerson  
 Project Officer-Information System  
 NURE Project Office

Address: Department of Energy  
 Division of Regional Assessments  
 Washington, DC 20545

Phone: (202) 353-4421  
 FTS 233-4421

NAME OF PROGRAM: Clean Lakes Program

LEAD AGENCY: Environmental Protection Agency (EPA)

AUTHORITY(S): P.L. 92-500, Sections 314 and 104(h)

PROGRAM STATUS

☐ Ongoing  
☐ Resumption  
☒ New Start

PROGRAM TYPE

☒ Data Collection  
☐ Research  
☒ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☒ C-2 Detailed Study

PROGRAM PURPOSES (Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Inventory eutrophre status of lakes and implement methods and procedures to control sources of pollution and to restore lake quality.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☒ Eastern Dakotas  
☐ Platte Niobrara  
☒ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S): Minnesota COUNTY(S)/VICINITY:  
Missouri  
South Dakota

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
EPA													70%			
MN Pollution Cont. Agency													30%			
EPA - Missouri		1,919	599	480	480	360							50%			
EPA - South Dakota		142	142		100											

Agency Contact: Harlan D. Hirt  
Dale B. Parke  
Debbie Patterson

Address: Region V, Chicago, IL  
Region VII, Kansas City, MO  
Region VIII, Denver, CO

Phone: FTS 353-0349  
FTS 7586391  
FTS 327-4831

NAME OF PROGRAM: Pesticides Support Grants

LEAD AGENCY: Environmental Protection Agency (EPA)

AUTHORITY(S): PL-92-516

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

SUMMARY: Grants are for implementing state programs for training, testing, and certification of private and commercial pesticide applicators that will be allowed to use restricted use pesticides. Programs involve training by State Cooperative Extension Service and certification by State Departments of Agriculture, with funding to each agency.

PURPOSE OR OBJECTIVES: To provide for the safe and effective use of pesticides.

SUBREGION(S):

SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Funding Source				
	Cont.	Total	1978 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	O t h e r
Colorado															
Iowa			834.3	40											
Kansas			444.7	39.1											
Minnesota															
Missouri			557.4	56.3											
Montana															
Nebraska			367.8	41.0											
North Dakota															
South Dakota															
Wyoming															

Agency Contact: Dale B. Parke

Address: Region VII, Kansas City, Missouri

Phone: FTS 758-6391

Gene Reetz  
Harlan HirtRegion VIII, Denver  
Region V, ChicagoFTS 327-4963  
353-0349



NAME OF PROGRAM: Safe Drinking Water Act  
 LEAD AGENCY: Environmental Protection Agency (EPA) AUTHORITY(S): PL - 93-523

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☒ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Establish regulations and procedures for development and administration of public water systems.

PURPOSE OR OBJECTIVES: To protect public health to the extent feasible using technology, treatment, and other means. Taking cost into consideration.

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	----- \$1,000 -----											Funding Source				
	ESTIMATED PROGRAM FUNDING											D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
	Cont.	Total	78 Budget	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete					
EPA - Colorado	X		341.3	360.6								X				
EPA - Iowa	X		345	435	435							X				
EPA - Kansas	X		287	367	367							X				
EPA - Minnesota	X		456.4	468.4								X				
EPA - Missouri	X		0	498	498							X				
EPA - Montana	X		237.5	264								X				
EPA - Nebraska	X		220	273	273							X				
EPA - North Dakota	X		233.5	264								X				
EPA - South Dakota	X			246								X				
EPA - Wyoming	X			264								X				

Agency Contact: Dale B. Parke  
 Gene Reetz  
 Harland D. Hirt

Address: Region VII, Kansas City, Missouri  
 Region VIII, Denver, Colorado  
 Region V, Chicago, Illinois

Phone: 758-6391  
 327-4963  
 353-0349

PI 93..523

NAME OF PROGRAM: State Program Grant

LEAD AGENCY: Environmental Protection Agency (EPA)

AUTHORITY(S):

PL 92-500  
Section 106

PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☒ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Grant Program administered by EPA to assist operation of State environmental agency.

PURPOSE OR OBJECTIVES: To assist State in handling program for the prevention of reduction and elimination of pollution including uniform improvement of environmental quality

SUBREGION(S):  
SUBBASIN(S):  
☒ Basinwide  
\_\_\_\_ Upper Missouri  
\_\_\_\_ Yellowstone  
\_\_\_\_ Western Dakotas  
\_\_\_\_ Eastern Dakotas  
\_\_\_\_ Platte Niobrara  
\_\_\_\_ Middle Missouri  
\_\_\_\_ Kansas  
\_\_\_\_ Lower Missouri

LOCATION

STATE(S): COUNTY(S)/VICINITY:

☒ STATEWIDE

												Funding Source				
FUNDING SOURCE/AGENCY	----- \$1,000 -----											D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
	Cont.	Total	1978 Budget	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete					
EPA - Colorado			491.7	491.7									75/25			
EPA - Iowa			762	762									75/25			
EPA - Kansas			552	552									75/25			
EPA - Minnesota			1,238.5	1,238.5									75/25			
EPA - Missouri			923.5	923.5									75/25			
EPA - Montana			359.5	359.5									75/25			
EPA - Nebraska			603	603									75/25			
EPA - North Dakota			226.7	226.7									75/25			
EPA - South Dakota			223.6	223.6									75/25			
EPA - Wyoming			171.6	171.6									75/25			

Agency Contact: Dale B. Parke  
Regional Office Coordinator, MRBC

Address: Region VII Kansas City, MO

Phone: FTS 758-6391

Gene Reetz  
Harlan Hirt

Region VIII Denver, CO  
Region V Chicago, IL

327-4963  
353-0349

NAME OF PROGRAM: Statewide Solid Waste Management Planning

LEAD AGENCY: Environmental Protection Agency (EPA)

AUTHORITY(S): PL 94-580

**PROGRAM STATUS**

- ☒ Ongoing  
☐ Resumption  
☐ New Start

**PROGRAM TYPE**

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☒ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

**PROGRAM SCOPE**

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

**PROGRAM PURPOSES  
(Percent)**

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☒ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

**DESCRIPTION**

SUMMARY: Develop a plan to provide for collection and disposal of solid waste and to avoid pollution of surface and ground water

PURPOSE OR OBJECTIVES: To promote the protection of health and the environment and to conserve valuable material and energy resources

**SUBREGION(S):**

**SUBBASIN(S):**

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

**LOCATION**

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
EPA - Colorado			178.3	266.3												
EPA - Iowa			187	146												
EPA - Kansas			148	116												
EPA - Minnesota																
EPA - Missouri			309	242												
EPA - Montana			71.7	142.1												
EPA - Nebraska			98	77												
EPA - North Dakota			84.7	131												
EPA - South Dakota			71.5	131												
EPA - Wyoming			84.2	131												

Agency Contact: Dale B. Parke  
 Gene Reetz, EPA  
 Harlan D. Hirt, EPA

Address: Region VII Kansas City, MO  
 Region VIII Denver, CO  
 Region V Chicago, IL

Phone: FTS 758-6391  
 327-4963  
 353-0349

NAME OF PROGRAM: Surface Improvements Assessment

LEAD AGENCY: Environmental Protection Agency (EPA)

AUTHORITY(S): P.L. 93-523  
P.L. 94-580

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☒ Data Collection  
☐ Research  
☒ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☒ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
50% ☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
50 ☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Define a program to control pollution from pits, ponds, and lagoons

PURPOSE OR OBJECTIVES:

SUBREGION(S):  
SUBBASIN(S):  
☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	78 Budget	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
EPA Iowa			50													
EPA Kansas			94.3													
EPA Minnesota			66.3	66												
EPA Missouri			93.9													
EPA Nebraska			50													

Agency Contact: Dale B. Parke  
Harlan Hirt  
Gene Reetz

Address: Region VII Kansas City, Mo.  
Region V Chicago, Ill.  
Region VIII Denver, CO

Phone: FTS-758-6391  
FTS-353-0349  
FTS 327-4963

NAME OF PROGRAM: Wastewater Treatment Facility Grants

LEAD AGENCY: Environmental Protection Agency (EPA)

AUTHORITY(S): PL 92-500  
Sec. 201

**PROGRAM STATUS**

- ☒ Ongoing  
☐ Resumption  
☐ New Start

**PROGRAM TYPE**

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

**PROGRAM SCOPE**

- ☐ A Framework Study  
☐ B Basin Planning  
☒ C-1 Preliminary Study  
☒ C-2 Detailed Study

**PROGRAM PURPOSES**  
**(Percent)**

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☒ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

**DESCRIPTION**

SUMMARY: Grant Program to assist local agencies in the planning and construction of wastewater treatment management facilities.

PURPOSE OR OBJECTIVES: Removal of pollutants before discharge.

**SUBREGION(S):**

**SUBBASIN(S):**

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

**LOCATION**

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
EPA - Colorado	X			41,341.5									X			
EPA - Iowa	X			58,288.5									X			
EPA - Kansas	X			39,614									X			
EPA - Minnesota	X			84,110									X			
EPA - Missouri	X			112,306.5									X			
EPA - Montana	X			15,624									X			
EPA - Nebraska	X			24,712									X			
EPA - North Dakota	X			13,981.5									X			
EPA - South Dakota	X			16,798.5									X			
EPA - Wyoming	X			13,513.5									X			

Agency Contact: Dale B. Parke  
 Gene Reetz  
 Harlan D. Hirt

Address: Region VII Kansas City, MO  
 Region VIII Denver, CO  
 Region V Chicago, IL

Phone: FTS 758-6391  
 327-4063  
 353-0349

NAME OF PROGRAM: Water Quality Management

LEAD AGENCY: Environmental Protection Agency (EPA) AUTHORITY(S): PL 92-500  
Sec. 208-303 (E)-201-106

PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☒ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

- ☒ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Planning program administered by EPA through grants to designated State agencies, and localized areawide agencies to provide strategy for pollution control to achieve desired water quality.

PURPOSE OR OBJECTIVES: Development and implementation of Statewide and localized areawide plans to achieve the long range water quality goals of the Clean Water Act.

SUBREGION(S):

SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY: \*Budget for Reg. VII (Io, Ks, Mo, Ne)  
FY 77-814  
FY 78-1000  
FY 79-3100

☒ STATEWIDE

Funding Source

Other	Loan	Grant	Share (%)	Direct

\*Funds distributed FY 78

\$1,000

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	
EPA - Colorado			1,427.1								
EPA - Iowa			*269								
EPA - Kansas			*236.5								
EPA - Minnesota			1,315								
EPA - Missouri			* 0								
EPA - Montana			718.4								
EPA - Nebraska			*203.9								
EPA - North Dakota			533.4								
EPA - South Dakota			572.7								
EPA - Wyoming			401.1								

Agency Contact: Dale B. Parke  
Gene Reetz  
Harlan D. Hirt

Address: Region VII Kansas City, MO  
Region VIII Denver, CO  
Region V Chicago, IL

Phone: FTS 758-6391  
327-3886  
353-0349

**AUTHORITY(S):**



NAME OF PROGRAM: Water and Wastewater Systems on Indian Reservations

LEAD AGENCY: Department of Health, Education, and Welfare/Indian Health Service (IHS)

AUTHORITY(S):

PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☒ C-2 Detailed Study

PROGRAM PURPOSES (Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☒ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Water and Wastewater systems on Indian Reservations

PURPOSE OR OBJECTIVES: Continuation of programs whereby federal agencies assist the Tribes and Indian people to secure water systems to bring an adequate supply of quality water to reservation communities and homesteads from surface and ground water sources. Projects will vary from exclusively Indian to non-Indian projects serving a limited number of Indian families. Most projects will involve both Indian and non-Indian areas.

SUBREGION(S):

SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY: Indian Reservations

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	78 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
IHS Kansas		1,944	333.6													
IHS Montana		12,952	3,107													
IHS Nebraska		2,149	683.8													
IHS North Dakota		3,241	1,218													
IHS South Dakota		15,490	9,032													
IHS Wyoming		4,104														

Agency Contact: Keith Sherer PC  
 Chief, Sanitation Facilities  
 Construction Branch

Address: USHEW  
 Public Health Service  
 Health Services Administration  
 Rockville, Maryland 20857

Phone:

NAME OF PROGRAM: Water and Wastewater Systems on Indian Reservations

LEAD AGENCY: Department of Health, Education, and Welfare/Indian Health Service (IHS)

AUTHORITY(S):

**PROGRAM STATUS**

- ☒ Ongoing  
☐ Resumption  
☐ New Start

**PROGRAM TYPE**

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☒ Prog. Implement.

**PROGRAM SCOPE**

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☒ C-2 Detailed Study

**PROGRAM PURPOSES  
(Percent)**

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☒ M&I and Rural Water  
☐ Natural, Hist., & Cul  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institution  
☐ Instream Flows

**DESCRIPTION**

SUMMARY: Water and Wastewater systems on Indian Reservations

PURPOSE OR OBJECTIVES: Continuation of programs whereby Federal agencies assist the Tribes and Indian people to secure water systems to bring an adequate supply of quality water to reservation communities and homesteads from surface and ground water sources. Projects will vary from exclusively Indian to non-Indian projects serving a limited number of Indian families. Most projects will involve both Indian and non-Indian areas.

SUBREGION(S): SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

**LOCATION**

STATE(S): COUNTY(S)/VICINITY: Indian Reservations

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	78 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		Direct	Share (%)	Grant	Loan	Other
IHS Kansas		1,944	333.6													
IHS Montana		12,952	3,107													
IHS Nebraska		2,149	683.8													
IHS North Dakota		3,241	1,218													
IHS South Dakota		15,490	8965.6													
IHS Wyoming		4,104														

Agency Contact: Keith Sherer PC  
 Chief, Sanitation Facilities  
 Construction Branch

Address: USHEW  
 Public Health Service  
 Health Administration  
 Rockledge Building 20662

Phone:

NAME OF PROGRAM: Water and Wastewater Systems on Indian Reservations

LEAD AGENCY: Department of Health, Education, and Welfare/Indian Health Services (IHS) AUTHORITY(S):

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

### PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
X	C-2	Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
X	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Water and Wastewater systems on Indian Reservations

**PURPOSE OR OBJECTIVES:** Continuation of programs whereby federal agencies assist the Tribes and Indian people to secure water systems to bring an adequate supply of quality water to reservation communities and homesteads from surface and ground water sources. Projects will vary from exclusively Indian to non-Indian projects serving a limited number of Indian families. Most projects will involve both Indian and non-Indian areas.

SUBREGION(S):

SUBBASIN(S):

_____	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
24, 27	X Kansas
_____	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:  
Brown, Jackson

## Indian Reservations

☐ STATEWIDE[illegible]

Agency Contact: Keith Sherer PC  
Chief, Sanitation Facilities  
Construction Branch

Address: USHEW  
Public Health Service  
Health Services Administration  
Rockville, Maryland 20857

Phone:

LEAD AGENCY: Department of Housing and Urban Development/Federal Insurance Admin. (FIA) AUTHORITY(S):

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** The detailed flood insurance studies provide the technical information on which to base flood plain management for community participation in the regular phase of the National Flood Insurance Program. Thus the potential for future flood damage is decreased. Actuarial (based on risk) insurance rates are also established in the studies.

**PURPOSE OR OBJECTIVES:** The program objective is to identify flood-prone areas and ultimately bring about a reduction in both the future flood damage and the outlay of Federal funds for flood disaster assistance.

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Address: Federal Insurance Administration HUD  
Kansas City, Missouri

Phone: FTS-758-6393

# HUD FLOOD INSURANCE STUDIES

Kansas

<u>Community</u>	<u>Contract Started</u>	<u>FIA Control Office Due</u>	<u>Actual or Estimated FIRM**</u>
Detailed Study with Floodway			
City of Abilene (Dickinson Co.)	6-17-76	1-17-78	3-29-78
City of Atchison (Atchison Co.)	6-22-76	12-22-77	12-1-77
City of Auburn (Shawnee Co.)	9-15-77	5-15-78	
City of Baldwin City (Douglas Co.)	3-8-76	12-30-77	
City of Bonner Springs (Wyandotte Co.)	1-2-76	7-1-77	
City of Chapman (Dickinson Co.)	6-17-76	1-17-78	
City of Colby (Thomas Co.)	6-17-76	1-17-78	
City of Countryside (Johnson Co.)	1-2-76	7-1-77	
City of Desoto (Johnson Co.)	1-15-77	11-15-77	
Doniphan County *(Doniphan Co.)	6-22-76	12-22-77	2-1-78
Douglas County *	3-8-76	2-28-78	
City of Easton (Leavenworth Co.)	1-15-77	3-1-78	
City of Edgerton (Johnson Co.)	1-15-77	12-15-77	
City of Edwardsville (Wyandotte Co.)	1-2-76	7-1-77	3-29-78
Ellis County	9-16-77	6-1-78	
City of Ellis (Ellis Co.)	6-17-76	6-1-78	
City of Elwood (Doniphan Co.)	6-22-76	12-22-77	
City of Eudora (Douglas Co.)	3-8-76	1-30-78	
City of Fort Scott (Bourbon Co.)	6-22-76	12-22-77	3-1-78
City of Hays (Ellis Co.)	6-17-76	6-1-78	
City of Independence (Montgomery Co.)	6-22-76	12-22-77	
Johnson County	3-1-77	5-1-78	
City of Junction City (Geary Co.)	6-17-76	1-17-78	3-29-78
City of Kansas City (Wyandotte Co.)	1-2-76	7-1-77	
City of Lansing (Leavenworth Co.)	1-15-77	8-1-78	
City of Lawrence (Douglas Co.)	9-15-75	10-1-77	
Leavenworth County *	1-15-77	3-15-78	
City of Leawood (Johnson Co.)	11-1-72	6-30-73	3-30-77
City of LeCompton (Douglas Co.)	3-8-76	4-30-78	
City of Linwood (Leavenworth Co.)	1-15-77	4-1-78	
Lyon County*	4-30-77	10-30-78	
City of Manhattan (Pottawatomie and Riley)	3-1-76	2-28-78	
City of Marquette (McPherson Co.)	6-17-76	1-17-78	2-1-78
City of Mission Hills (Johnson Co.)	1-2-76	7-1-77	3-29-78
City of New Cambria (Saline Co.)	6-17-76	4-1-78	
City of Ogden (Riley Co.)	3-1-76	5-30-78	
City of Olathe (Johnson Co.)	12-15-74	1-1-76	
City of Perry (Jefferson Co.)	3-1-76	11-1-77	
City of Prairie Village (Johnson Co.)	1-2-76	7-1-77	3-29-78
Riley County*	3-1-76	5-30-78	
City of Riley (Riley Co.)	3-1-76	5-30-78	
City of Roeland Park (Johnson Co.)	1-2-76	7-1-77	
City of Rossville (Shawnee Co.)	3-1-76	10-1-77	
City of Salina (Saline Co.)	6-17-76	4-1-78	
Saline County*			
City of Scandia (Republic Co.)	6-17-76	1-17-78	

\* Unincorporated Areas Only

\*\* Flood Insurance Rate Map

HUD FLOOD INSURANCE STUDIES

<u>Community</u>	<u>Contract Started</u>	<u>FIA Control Office Due</u>	<u>Actual or Estimated FIRM**</u>
Detailed Study with Floodway			
Shawnee County	9-15-77	11-15-79	
City of Shawnee (Johnson Co.)	1-2-76	7-1-77	
City of Silver Lake (Shawnee Co.)	9-15-77	5-15-78	
City of Solomon (Dickinson Co.)	6-17-76	1-17-78	
City of St. Marys (Pottawatomie Co.)	3-1-76	10-1-77	
City of Tonganoxie (Leavenworth Co.)	1-15-77	6-1-78	
City of Topeka (Shawnee Col)	1-15-77	4-15-78	
City of Wamego (Pottawatomie Co.)	3-1-76	2-1-78	
City of Westwood (Johnson Co.)	1-2-76	7-1-77	
City of Willard (Shawnee Co.)	9-15-77	5-15-78	
Wyandotte County*	3-1-77	10-1-77	
10 City of Fairway (Johnson Co.)	11-16-70	3-1-71	

\* Unincorporated Areas Only  
\*\* Flood Insurance Rate Map

LEAD AGENCY: Housing and Urban Development (HUD) AUTHORITY(S):

## PROGRAM SCOPE

<input checked="" type="checkbox"/>	Ongoing
<input type="checkbox"/>	Resumption
<input type="checkbox"/>	New Start

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** Conduct necessary surveys by ground and photogrammetric methods, prepare computer models of drainage networks. Compute magnitudes and profiles of floods of specified frequencies, and furnish results in reports prepared to FIA specifications.

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☐ STATEWIDE

SUBREGION(S):

SUBBASIN(S):

### Basinwide

Upper Missouri

Yellowstone

## Western Dakotas

## Eastern Dakotas

Platte Niobrara

## Middle Missouri

25.26.27

X Kansas

## Lower Missouri

[illegible]

Agency Contact: Richard Lenard

Address: Kansas City Missouri 64106

Phone FTS-758-6393

# HUD FLOOD INSURANCE STUDIES

Kansas

<u>Community</u>	<u>Contract Started</u>	<u>FIA Control Office Due</u>	<u>Actual or Estimated FIRM**</u>
Detailed Study with Floodway			
City of Abilene (Dickinson Co.)	6-17-76	1-17-78	3-29-78
City of Atchison (Atchison Co.)	6-22-76	12-22-77	12-1-77
City of Auburn (Shawnee Co.)	9-15-77	5-15-78	
City of Baldwin City (Douglas Co.)	3-8-76	12-30-77	
City of Bonner Springs (Wyandotte Co.)	1-2-76	7-1-77	
City of Chapman (Dickinson Co.)	6-17-76	1-17-78	
City of Colby (Thomas Co.)	6-17-76	1-17-78	
City of Countryside (Johnson Co.)	1-2-76	7-1-77	
City of Desoto (Johnson Co.)	1-15-77	11-15-77	
Doniphan County *(Doniphan Co.)	6-22-76	12-22-77	2-1-78
Douglas County *	3-8-76	2-28-78	
City of Easton (Leavenworth Co.)	1-15-77	3-1-78	
City of Edgerton (Johnson Co.)	1-15-77	12-15-77	
City of Edwardsville (Wyandotte Co.)	1-2-76	7-1-77	3-29-78
Ellis County	9-16-77	6-1-78	
City of Ellis (Ellis Co.)	6-17-76	6-1-78	
City of Elwood (Doniphan Co.)	6-22-76	12-22-77	
City of Eudora (Douglas Co.)	3-8-76	1-30-78	
City of Fort Scott (Bourbon Co.)	6-22-76	12-22-77	3-1-78
City of Hays (Ellis Co.)	6-17-76	6-1-78	
City of Independence (Montgomery Co.)	6-22-76	12-22-77	
Johnson County	3-1-77	5-1-78	
City of Junction City (Geary Co.)	6-17-76	1-17-78	3-29-78
City of Kansas City (Wyandotte Co.)	1-2-76	7-1-77	
City of Lansing (Leavenworth Co.)	1-15-77	8-1-78	
City of Lawrence (Douglas Co.)	9-15-75	10-1-77	
Leavenworth County *	1-15-77	3-15-78	
City of Leawood (Johnson Co.)	11-1-72	6-30-73	3-30-77
City of LeCompton (Douglas Co.)	3-8-76	4-30-78	
City of Linwood (Leavenworth Co.)	1-15-77	4-1-78	
Lyon County*	4-30-77	10-30-78	
City of Manhattan (Pottawatomie and Riley)	3-1-76	2-28-78	
City of Marquette (McPherson Co.)	6-17-76	1-17-78	2-1-78
City of Mission Hills (Johnson Co.)	1-2-76	7-1-77	3-29-78
City of New Cambria (Saline Co.)	6-17-76	4-1-78	
City of Ogden (Riley Co.)	3-1-76	5-30-78	
City of Olathe (Johnson Co.)	12-15-74	1-1-76	
City of Perry (Jefferson Co.)	3-1-76	11-1-77	
City of Prairie Village (Johnson Co.)	1-2-76	7-1-77	3-29-78
Riley County*	3-1-76	5-30-78	
City of Riley (Riley Co.)	3-1-76	5-30-78	
City of Roeland Park (Johnson Co.)	1-2-76	7-1-77	
City of Rossville (Shawnee Co)	3-1-76	10-1-77	
City of Salina (Saline Co.)	6-17-76	4-1-78	
Saline County*			
City of Scandia (Republic Co.)	6-17-76	1-17-78	

\* Unincorporated Areas Only

\*\* Flood Insurance Rate Map



# HUD FLOOD INSURANCE STUDIES

<u>Community</u>	<u>Contract Started</u>	<u>FIA Control Office Due</u>	<u>Actual or Estimated FIRM**</u>
Detailed Study with Floodway			
Shawnee County	9-15-77	11-15-79	
City of Shawnee (Johnson Co.)	1-2-76	7-1-77	
City of Silver Lake (Shawnee Co.)	9-15-77	5-15-78	
City of Solomon (Dickinson Co.)	6-17-76	1-17-78	
City of St. Marys (Pottawatomie Co.)	3-1-76	10-1-77	
City of Tonganoxie (Leavenworth Co.)	1-15-77	6-1-78	
City of Topeka (Shawnee Co.)	1-15-77	4-15-78	
City of Wamego (Pottawatomie Co.)	3-1-76	2-1-78	
City of Westwood (Johnson Co.)	1-2-76	7-1-77	
City of Willard (Shawnee Co.)	9-15-77	5-15-78	
Wyandotte County*	3-1-77	10-1-77	
10 City of Fairway (Johnson Co.)	11-16-70	3-1-71	

\* Unincorporated Areas Only

\*\* Flood Insurance Rate Map

LEAD AGENCY: Housing and Urban Development, Department of, Federal Insurance Administration

PROGRAM STATUS

PROGRAM TYPE

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** The National Flood Insurance Program makes flood insurance available within participating communities and counties: i.e., within communities or counties meeting at least the minimum Federal flood plain management standards or requirements.

**PURPOSE OR OBJECTIVES:** To provide federally subsidized flood insurance for existing structures and decrease the potential for future flood damage through flood plain management.

SUBREGION(S): SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: Richard Leonard

Address: Federal Insurance Administration, HUD  
Kansas City, Missouri

Phone: FTS 758-6393

# HUD FLOOD INSURANCE PROGRAM

<u>Community</u>	<u>Kansas</u>	<u>Date</u> <u>Hazard Area Identified</u>	<u>Status**</u>
City of Abilene (Dickinson Co.)		January 9, 1974 and December 12, 1975	E
City of Alma (Norton Co.)		March 1, 1974 and November 7, 1975	E
City of Assaria (Saline Co.)			
City of Atchison (Atchison Co.)		February 8, 1974 and December 12, 1975	E
City of Atwood (Rawlins Co.)		February 15, 1974 and October 17, 1975	E
City of Auburn (Sawnee Co.)		October 25, 1974 and November 7, 1975	E
City of Baldwin (Douglas Co.)		February 15, 1974 and November 7, 1975	E
City of Basefor (Ottawa Co.)		April 12, 1974 and April 23, 1976	E
City of Belleville (Republic Co.)		February 15, 1974 and October 31, 1975	E
City of Beloit (Mitchell Co.)		December 7, 1973 and November 14, 1975	E
City of Belvue (Pottawatomie Co.)		November 29, 1974	E
City of Blue Mound (Linn Co.)		January 17, 1975	E
City of Bonner Springs (Wyandotte Co.)		December 28, 1973	E
City of Brookville (Saline Co.)		September 19, 1975 and December 24, 1976	E
City of Burr Oak (Jewell Co.)		November 29, 1974	E
City of Carbondale (Osage Co.)		May 24, 1974 and November 28, 1975	E
City of Centralia (Nemaha Co.)		May 24, 1974 and November 7, 1975	E
City of Chapman (Dickinson Co.)		January 9, 1974 and April 23, 1976	E
City of Clay Center (Clay Co.)		March 29, 1974 and October 24, 1975	E
City of Clyde (Cloud Co.)		May 31, 1974 and December 19, 1975	E
City of Colby (Thomas Co.)		February 15, 1974	E
City of Concordia (Cloud Co.)		December 28, 1973 and April 16, 1976	E
City of Countryside (Johnson Co.)		August 23, 1974 and April 30, 1976	R
Crawford County *		May 17, 1977	
City of Culver (Ottawa Co.)		January 3, 1975	E
City of Delphos (Ottawa Co.)		August 15, 1975	E
City of DeSoto (Johnson Co.)		January 16, 1974 and July 25, 1975	E

\* Unincorporated Areas Only

\*\* F Flood Program

R Regular Program

E Emergency Program

H Emergency Program with Hazard Area Identified

S. Special Flood Area Not in Program

W Community Withdrawn from Program

HUD FLOOD INSURANCE PROGRAM

Kansas

<u>Community</u>	<u>Date Hazard Area Identified</u>	<u>Status**</u>
Doniphan County* (Doniphan Co.)	June 3, 1977	E
Douglas County *	June 17, 1977	E
City of Easton (Leavenworth Co.)	July 9, 1976	E
City of Edgerton (Johnson Co.)	March 8, 1974 and December 19, 1975	E
City of Edwardsville (Wyandotte Co.)	April 5, 1974 and June 18, 1976	E
City of Ellis (Ellis Co.)	January 9, 1974 and October 24, 1975	E
City of Ellsworth (Ellsworth Co.)	December 28, 1973	E
City of Elwood (Doniphan Co.)		E
City of Eudora (Douglas Co.)	January 9, 1974 and July 16, 1976	E
City of Fairway (Johnson Co.)	June 20, 1970	R
City of Fort Scott (Bourbon Co.)	January 9, 1974 and December 12, 1975	E
City of Frankfort (Marshall Co.)	January 23, 1974 and October 24, 1975	E
City of Gardner (Johnson Co.)	May 3, 1974 and January 23, 1976	R
City of Garnett (Anderson Co.)	February 8, 1974 and March 19, 1976	E
City of Gas (Allen Co.)	August 6, 1976	E
City of Glade (Phillips Co.)	December 27, 1974	E
City of Glasco (Cloud Co.)	June 21, 1974 and October 24, 1975	E
City of Goodland (Sherman Co.)	February 15, 1974 and December 26, 1975 and September 10, 1976	E
City of Gypsum (Saline Co.)	February 1, 1974 and April 23, 1976	E
City of Hanover (Washington Co.)	July 18, 1975	E
City of Hays (Ellis Co.)	January 23, 1974 and November 28, 1975	E
City of Herington (Dickinson Co.)	May 1, 1974 and October 24, 1975	E
City of Herndon (Rawlins Co.)	November 22, 1974	E
City of Hiawatha (Brown Co.)	February 8, 1974 and October 31, 1975	
City of Hill City (Graham Co.)	March 5, 1976	E
City of Holton (Jackson Co.)	February 22, 1974	E
City of Horton (Brown Co.)	February 15, 1974 and November 7, 1975	E
City of Hoyt (Jackson County)	December 20, 1974	E

\* Unincorporated Areas Only

\*\* F Flood Program

R Regular Program

E Emergency Program

H Emergency Program with Hazard Area Identified

S Special Flood Area Not in Program

W Community Withdrawn from Program

# HUD FLOOD INSURANCE PROGRAM

## Kansas

<u>Community</u>	<u>Date Hazard Area Identified</u>	<u>Status**</u>
City of Hunter (Mitchell Co.)	December 13, 1974	E
City of Independence (Montgomery Co.)	December 17, 1973 and September 26, 1975	E
City of Jewell (Jewell Co.)	August 22, 1975	E
City of Junction City (Geary Co.)	February 1, 1974	E
City of Kanopolis (Ellsworth Co.)	August 15, 1975	R
City of Kansas City (Wyandotte Co.)	November 1, 1974	E
City of Lake Oaivira (Johnson Co.)	July 26, 1974 and November 21, 1975	R
City of Lansing (Leavenworth Co.)	August 23, 1974 and November 28, 1975	E
City of Lawrence (Douglas Co.)	August 13, 1976	E
Leavenworth County *	August 30, 1977	E
City of Leavenworth (Leavenworth Co.)	November 28, 1953	R
City of Leawood (Johnson Co.)	May 17, 1974 and May 7, 1976	R
City of Lecompton (Douglas Co.)	January 23, 1974 and June 4, 1976	E
City of Lenexa (Johnson Co.)	February 8, 1974 and July 11, 1975	R
City of Leona (Doniphan Co.)	December 20, 1974	R
City of Lincoln Center (Lincoln Co.)	March 8, 1974 and January 30, 1976	E
City of Lindborg (McPherson Co.)	December 17, 1973 and April 23, 1976	R
City of Linwood (Leavenworth Co.)	September 6, 1974	E
City of Logan (Phillips Co.)	July 19, 1974 and October 17, 1975	E
City of Long Island (Phillips Co.)	January 3, 1975 and September 13, 1977	E
City of Louisburg (Miami Co.)	March 1, 1974 and April 16, 1976	E
City of Lyndon (Osage Co.)	June 28, 1974 and November 21, 1975	E
Lyon County*	June 28, 1977	E
City of Manakto (Jewell Co.)	August 6, 1976	E
City of Manhattan (Pottawatomie and Riley Cos.)	March 8, 1974 and December 13, 1974	E
City of Marquette (McPherson Co.)	December 17, 1973	E
City of Marysville (Marshall Co.)	December 7, 1973	R
City of Mayetta (Jackson Co.)	November 8, 1974	E
City of Merriam (Johnson Co.)	June 7, 1974 and November 7, 1975	R

\* Unincorporated Areas Only

\*\* F Flood Program

R Regular Program

E Emergency Program

H Emergency Program with Hazard Area Identified

S Special Flood Area Not in Program

W Community Withdrawn from Program

HUD FLOOD INSURANCE PROGRAM

Kansas

<u>Community</u>	<u>Date Hazard Area Identified</u>	<u>Status**</u>
City of Mission Hills (Johnson Co.)	June 7, 1974 and October 24, 1975	E
City of Mission (Johnson Co.)	May 31, 1974 and September 26, 1975	R
Mitchell County *		
City of Natoma (Osborne Co.)	June 28, 1974 and November 21, 1975	E
City of New Cambria (Saline Co.)	December 27, 1974	E
City of Norton (Norton Co.)	February 15, 1974 and February 27, 1976	E
City of Oberlin (Decatur Co.)	January 9, 1974 and December 12, 1975	E
City of Ogden (Riley Co.)	June 7, 1974 and October 15, 1976	E
City of Olathe (Johnson Co.)	March 1, 1974 and February 28, 1975	E
City of Osawatomie (Miami Co.)	January 23, 1974 and April 2, 1976	E
City of Osborne (Osborne Co.)	March 15, 1974	E
City of Oskaloosa (Jefferson Co.)	May 24, 1974 and November 21, 1975	E
City of Ottawa (Franklin Co.)	January 9, 1974	E
City of Overland Park (Johnson Co.)	January 3, 1975	R
City of Paloo (Rooks Co.)	July 2, 1976	E
City of Paola (Miami Co.)	December 17, 1973 and July 23, 1976	R
City of Paxico (Wabaunsee Co.)	December 20, 1974	E
City of Perry (Jefferson Co.)	December 7, 1973 and December 26, 1975	E
City of Phillipsburg (Phillips Co.)	June 28, 1974 and October 10, 1975	E
City of Portis (Osborne Co.)	December 27, 1974	E
Pottawatomie County *	December 20, 1977	E
City of Prairie Village (Johnson Co.)	June 14, 1974 and October 10, 1975	E
City of Quenemo (Osage Co.)	December 20, 1974	E
City of Rantoul (Franklin Co.)	November 15, 1974	E
City of Redfield (Bourbon Co.)	December 27, 1974	E
Riley County*	February 15, 1974 and November 14, 1975	E
City of Robinson (Brown Co.)	November 29, 1974	E
City of Roeland Park (Johnson Co.)	May 31, 1974 and December 19, 1975	R
City of Rossville (Shawnee Co.)	June 4, 1976	E

\* Unincorporated Areas Only

\*\* F Flood Program

R Regular Program

E Emergency Program

H Emergency Program with Hazard Area Identified

S Special Flood Area Not in Program

W Community Withdrawn from Program

# HUD FLOOD INSURANCE PROGRAM

## Kansas

<u>Community</u>	<u>Date</u> <u>Hazard Area Identified</u>	<u>Status**</u>
City of Sabetha (Nemaha Co.)	April 16, 1976 and April 16, 1976	E
City of Salina (Saline County	May 24, 1974 and January 2, 1976	E
Saline County*	June 28, 1977	E
City of Scandia (Republic Co.)	May 10, 1974 and December 5, 1975	E
City of Scranton (Osage Co.)	September 19, 1975	E
City of Seneca (Nemaha Co.)	February 8, 1974 and November 28, 1975	E
City of Sharon Springs (Wallace Co.)	September 12, 1975	E
City of Shawnee (Johnson Co.)	June 28, 1974 and November 21, 1975	E
City of Silver Lake (Shawnee Co.)	May 31, 1974 and October 24, 1975	E
City of Simpson (Mitchell Co.)	January 3, 1975	E
City of Simth Center (Smith Co.)	June 28, 1974 and November 28, 1975	E
City of Solomon (Dickinson Co.)	January 9, 1974 and December 12, 1975	E
City of Stockton (Rooks Co.)	June 21, 1974 and April 2, 1976	E
City of St. Marys (Pottawatomie Co.)	December 7, 1973 and June 18, 1976	E
City of Sylvan Grove (Lincoln Co.)	March 26, 1976	E
City of Tescott (Ottawa Co.)	January 3, 1975	E
City of Tonganoxie (Leavenworth Co.)	June 7, 1974 and April 30, 1976	E
City of Topeka (Shawnee Co.)	October 23, 1971	R
City of Troy (Doniphan Co.)	February 15, 1974 and April 16, 1976	E
City of Uniontown, (Bourbon Co.)	September 26, 1975	E
City of Vermillion (Marshall Co.)	December 20, 1974	E
City of Victoria (Ellis Co.)	July 16, 1976	E
City of Wakeeney (Treco Co.)	July 25, 1975	E
City of Wameco (Pottawtomie Co.)	December 7, 1973 and December 26, 1975	E
City of Washington (Washington Co.)	August 15, 1975	E
City of Wathena (Doniphan Co.)		R
City of Waverly (Coffey Co.)	February 15, 1974 and October 17, 1975	E
City of Wellsville (Franklin Co.)	February 15, 1974 and November 7, 1975	E
City of Westwood Hills (Johnson Co.)	October 25, 1974 and December 19, 1975	E

\* Unincorporated Areas Only

\*\* F Flood Program

R Regular Program

E Emergency Program

H Emergency Program with Hazard Area Identified

S Special Flood Area Not in Program

W Community Withdrawn from Program

HUD FLOOD INSURANCE PROGRAM

<u>Community</u>	Kansas	Date <u>Hazard Area Identified</u>	<u>Status**</u>
City of Westwood (Johnson Co.)		August 16, 1974 and October 17, 1975	R
City of Willard (Shawnee Co.)		August 16, 1974 and June 19, 1976	E
City of Wilson (Ellsworth Co.)		August 8, 1975	E
Wyandotte County*		May 6, 1977	E

\* Unincorporated Areas Only

\*\* F Flood Program

R Regular Program

E Emergency Program

H Emergency Program with Hazard Area Identified

S Special Flood Area Not in Program

W Community Withdrawn from Program



NAME OF PROGRAM: Completion of or updating & revising Management Framework Plans, Kansas

**LEAD AGENCY:** United States Department of Interior/Bureau of Land Management (BLM)

**AUTHORITY(S):**

## FLPMA

P.L. 94-579

PROGRAM STATUS

	Ongoing
	Resumption
X	New Start

PROGRAM TYPE

X	Data Collection
	Research
	Special Study
X	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
X	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

**PROGRAM PURPOSES**  
**(Percent)**

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** Coordination of BLM's management framework planning (MFP) to guide in the preparation of detailed "Activity Plans" for the resources on the public lands.

**SUBREGION(S):**

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24.	X Middle Missouri
25. 27.	X Kansas
29. 30.	X Lower Missouri

LOCATION

**STATE(S):** Kansas

COUNTY(S)/VICINITY: 725 ac. BLM Land

☒ STATEWIDE[illegible]

Agency Contact: Daniel P. Baker

Address: P.O. Box 1828  
Cheyenne, WY 82001

Phone: FTS 328-2326

**AUTHORITY(S):** P.L. 94-579

NAME OF PROGRAM: Resource Inventories and Management Framework Plans

**LEAD AGENCY:** United States Department of Interior/Bureau of Land Management (BLM)

**AUTHORITY(S):** FLPMA  
P.L. 94-579

### PROGRAM STATUS

	Ongoing
	Resumption
X	New Start

**PROGRAM TYPE**

X	Data Collection
	Research
	Special Study
X	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
X	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

**PROGRAM PURPOSES**  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Resource inventory & data collection for public land management, and analysis of resources programs for lands minerals, timber, livestock forage, watershed, recreation, wildlife habitat, and environmental protection.

**PURPOSE OR OBJECTIVES:**

**SUBREGION(S):**

**SUBBASIN(S):**

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24.	X Middle Missouri
25. 27	X Kansas
29. 30	X Lower Missouri

**LOCATION**

**STATE(S):** Kansas

COUNTY(S)/VICINITY: 725 acres of BLM lands

☒ STATEWIDE[illegible]

Agency Contact: Daniel P. Baker

Address: P.O. Box 1828  
Cheyenne, WY 82001

**Phone:** FTS 328-2326

NAME OF PROGRAM: Mineral Availability Studies

LEAD AGENCY: United States Department of Interior/Bureau of Mines (BOM)

AUTHORITY(S): PL 61-179  
PL 91-631

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ 60 Land Conserv. & Mgmt.  
☐ 10 M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ 10 Power and Energy  
☐ Recreation  
☐ 10 Transportation  
☐ 10 Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

**SUMMARY:** Collect, compile, and evaluate basic data on the availability of critical and strategic minerals to the United States.

**PURPOSE OR OBJECTIVES:** Develop computerized data bank for compilation, storage, and retrieve of minerals data. Provide expeditiously the information required to assess the Nation's position on any critical mineral commodity. Conduct comprehensive mineral availability studies, including costing.

## SUBREGION(S):

## SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	----- \$1,000 -----											Funding Source				
	ESTIMATED PROGRAM FUNDING											D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete					
(BOM) Colorado				36	36	36						X				
(BOM) Iowa				23	24	24						X				
(BOM) Kansas				24	24	24						X				
(BOM) Minnesota				35	36	36						X				
(BOM) Missouri				29	30	30						X				
(BOM) Montana				3	2	3						X				
(BOM) Nebraska				23	24	24						X				
(BOM) North Dakota				29	30	30						X				
(BOM) South Dakota				23	24	24						X				
(BOM) Wyoming				35	36	36						X				

Agency Contact: H. C. Stewart  
 Branch of Basin and Environmental  
 Studies

Address: Intermountain Field Operation Center  
 Building 20, Denver Federal Center  
 Denver, Colorado 80225

Phone: FTS 303-234

NAME OF PROGRAM: Resource and Environmental Studies

LEAD AGENCY: United States Department of Interior/Bureau of Mines (BOM)

AUTHORITY(S): PL-61-179  
PL-91-190  
PL-91-631

PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☒ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

- ☐ A Framework Study  
☒ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ 30 Land Conserv. & Mgmt.  
☐ 30 M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ 15 Power and Energy  
☐ Recreation  
☐ 15 Transportation  
☐ Water Quality Mgmt.  
☐ 10 Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: Mineral resource, water supply, and related environmental studies pertaining to mineral exploration and development

PURPOSE OR OBJECTIVES: Conservation and development of mineral resources

SUBREGION(S):

SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
(BOM) - Colorado				32	34	34						X				
(BOM) - Iowa				20	22	22						X				
(BOM) - Kansas				20	22	22						X				
(BOM) - Minnesota				32	34	34						X				
(BOM) - Missouri				26	28	28						X				
(BOM) - Montana				16	3	1						X				
(BOM) - Nebraska				20	22	22						X				
(BOM) - North Dakota				26	28	28						X				
(BOM) - South Dakota				20	22	22						X				
(BOM) - Wyoming				32	34	34						X				

Agency Contact: H. C. Stewart  
Bureau of Mines  
Branch of Basin & Environmental  
Studies

Address: Building 20  
Denver Federal Center  
Denver, CO 80225

Phone: FTS 303 234-3930



**LEAD AGENCY:** United States Department of the Interior/Bureau of Reclamation (BR) **AUTHORITY(S):**

## PROGRAM SCOPE

	Ongoing
	Resumption
X	New Start

X	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
X	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Rehabilitation and Betterment Program is a loan program administered by the Bureau of Reclamation to assist the Bureau of Reclamation Project and modernize and improve irrigation facilities.

**PURPOSE OR OBJECTIVES:** Modernize and improve water conveyance capability of the irrigation system.

STATE(S): Montana  
Wyoming

☐ STATEWIDE

Richland  
Sidney  
Park  
Bighorn  
Powell  
Deaver  
Yellowstone  
Ballentine  
Prairie  
Terry

## SUBREGION(S):

**SUBBASIN(S):**

	Basinwide
6	X Upper Missouri
8, 10	X Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

## FUNDING SOURCE/AGENCY

\$1,000

## ESTIMATED PROGRAM FUNDING

[illegible]

**Agency Contact:** E. R. Wilde  
Asst. Regional Director-Admin.

Address: Bureau of Reclamation  
Upper Missouri Region  
P.O. Box 2553  
Billings, MT 59103

Phone: 585-6216





NAME OF PROGRAM: Glen Elder Unit/Kansas

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR)

**AUTHORITY(S):** PL - 89-561

### PROGRAM STATUS

	Ongoing
X	Resumption
	New Start

**PROGRAM TYPE**

	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
X	C-1	Preliminary Study
	C-2	Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
1	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Study irrigation potential using existing storage facilities.

**PURPOSE OR OBJECTIVES:**

**SUBREGION(S):**

## SUBBASIN(S):

_____	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
25 _____ X	Kansas
_____	Lower Missouri

**LOCATION**

**STATE(S):** Kansas

COUNTY(S)/VICINITY: Solomon River

☐ STATEWIDE[illegible]

Agency Contact: R.W. Spangler  
Asst. Regional Director-Admin.

Address: Bureau of Reclamation  
Lower Missouri Region  
P. O. Box  
Bldg. 20, Denver Federal Center  
Denver, CO 80225

**Phone:** 234-4441

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): PL - 94-423

## PROGRAM SCOPE

	Ongoing
	Resumption
X	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
5	Flood Damage Abatement
3	Fish and Wildlife
1	Irrigation
	Land Conserv. & Mgmt.
2	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
4	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

PURPOSE OR OBJECTIVES: Construction of this unit would contribute to the future prosperity of the area through modification of the existing Kanopolis Dam and Lake to provide 162,500 acre-feet of conservation space previously utilized exclusively for flood control. Components served would be supplement the M&I water supply for Salina, storage for future M&I use to be designated by the State of Kansas, irrigation of 20,000 acres, fish and wildlife, and recreation.

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
26	X Kansas
	Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY:

Along Smoky Hill River in Ellsworth,  
McPherson, and Saline Counties

☐ STATEWIDE[illegible]

Agency Contact: R. W. Spangler  
Asst. Regional Director-Admin.

Address: Bureau of Reclamation  
Lower Missouri Region  
P.O. Box 25247  
Bldg. 20, Denver Federal Center  
Denver, CO 80225

Phone: 234-4451

NAME OF PROGRAM: Kansas State Water Plan/Phase II

**LEAD AGENCY:** United States Department of the Interior/Bureau of Reclamation (BR)

**AUTHORITY(S):** Reclamation Laws

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

**PROGRAM TYPE**

	Data Collection
	Research
	Special Study
X	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

X	A Framework Study
	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Technical input and assistance in preparation of alternative plans for developing option for use of the State's water resources.

**PURPOSE OR OBJECTIVES:**

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY:

☒ STATEWIDE

SUBREGION(S):

**SUBBASIN(S):**

		Basinwide
24	X	Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
		Middle Missouri
25, 26, 27	X	Kansas
29, 30	X	Lower Missouri

[illegible]

Agency Contact: R.W. Spangler  
Asst. Regional Director-Admin.

Address: Bureau of Reclamation  
Lower Missouri Region  
P.O. Box 25247  
Bldg. 20, Denver Federal Center  
Denver, CO 80225

Phone: 234-4441

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR)

PROGRAM STATUS

PROGRAM TYPE

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A Framework Study
X	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

100	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

### DESCRIPTION

**SUMMARY:** This water management study would encompass the Republican River Drainage Basin in Colorado, Nebraska, and Kansas. The determination of a dependable water supply in the basin is complicated by several factors, including past and future depletions of surface water flows by ground water use, possible changes in rainfall and associated runoff patterns, and the fulfillment of the Republican River Compact conditions. Assessment of the basin's water resources will lead to the identification of management measures which will better utilize the waters available in the basin.

PURPOSE OR OBJECTIVES:

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
25	X Kansas
	Lower Missouri

LOCATION

STATE(S): Colorado  
Kansas  
Nebraska

COUNTY(S)/VICINITY: Republican River Basin

☐ STATEWIDE[illegible]

Address: Bureau of Reclamation  
Lower Missouri Region  
P.O. Box 25247  
Bldg. 20, Denver Federal Center  
Denver, CO 80225

Phone: 234-4441

NAME OF PROGRAM: Scandia Unit/Kansas

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): PL - 89-561

**AUTHORITY(S):** PL - 89-561

PROGRAM TYPE

## PROGRAM SCOPE

	Data Collection
	Research
	Special Study
	Regional Planning
X	Impl. Study
	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
X	C-2	Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
3	Fish and Wildlife
1	Irrigation
2	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**DESCRIPTION**

**SUMMARY:** Irrigation and water supply project study.

**PURPOSE OR OBJECTIVES:**

**SUBREGION(S):**

SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
25	X Kansas
	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Republican River

☐ STATEWIDE[illegible]

**Agency Contact:**

R.W. Spangler  
Asst. Regional Director-Admin.

**Address:**

Bureau of Reclamation  
Lower Missouri Region  
Bldg. 20, Denver Federal Center  
Denver, CO 80225

Phone: 234-4441

LEAD AGENCY: United State Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): Reclamation Laws

## PROGRAM SCOPE

X	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

1	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Comprehensive water management planning; conjunctive use studies.

**PURPOSE OR OBJECTIVES:**

SUBREGION(S): SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
26	X Kansas
	Lower Missouri

LOCATION

STATE(S): Kansas COUNTY(S)/VICINITY: Soloman River Basin

☐ STATEWIDE[illegible]

**Phone:** 234-4441

NAME OF PROGRAM: Weather Modification Program

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S):

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

**PROGRAM TYPE**

	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

**PROGRAM PURPOSES**  
**(Percent)**

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
X	Instream Flows

**DESCRIPTION**

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** Comprehensive development and adoption of technology. Assessment and documentation of technology.

SUBREGION(S):

SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakota
	Eastern Dakota
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE[illegible]

Agency Contact: Joe D. Hall  
Regional Director

Address: Bureau of Reclamation  
Engineering and Research Center  
Building 67 Federal Center  
Denver, CO 80225

Phone: FTS 234-4441

**AUTHORITY(S):** Reclamation Land

	Ongoing
	Resumption
X	New Start

	Data Collection
	Research
X	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

X	A Framework Study
	B Basin Planning
	C-1 Preliminary Study
	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
100	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** An evaluation and inventory of low-head hydroelectric development potential.

**PURPOSE OR OBJECTIVES:** Inventory of all acceptable Federal low-head hydroelectric developments in the 17 western States.

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

STATE(S): 17 Western States      COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Phone: FTS 234-4441



NAME OF PROGRAM: Animal Damage Control

LEAD AGENCY:— United States Dept. of Interior, Fish and Wildlife Service (FWS)

AUTHORITY(S):

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

## DESCRIPTION

**SUMMARY:** Bird and mammal damage control operations.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

SUBBASIN(S):

<input checked="" type="checkbox"/>	Basinwide
<input type="checkbox"/>	Upper Missouri
<input type="checkbox"/>	Yellowstone
<input type="checkbox"/>	Western Dakotas
<input type="checkbox"/>	Eastern Dakotas
<input type="checkbox"/>	Platte Niobrara
<input type="checkbox"/>	Middle Missouri
<input type="checkbox"/>	Kansas
<input type="checkbox"/>	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Agency Contact: Rick Dornfeld  
U.S. Fish & Wildlife Service

Address: P.O. Box 25486  
Denver, CO 80225

Phone: FTS 234-4616

LEAD AGENCY: United States Dept. of Interior. Fish & Wildlife Service (FWS) AUTHORITY(S):

## PROGRAM SCOPE

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

Comprehensive  
Flood Damage Abatement  
Fish and Wildlife  
Irrigation  
Land Conserv. & Mgmt.  
M&I and Rural Water  
Natural, Hist., & Cult.  
Power and Energy  
Recreation  
Transportation  
Water Quality Mgmt.  
Legal and Institutional  
Instream Flows

**SUMMARY:**

- (1) Oil shale development--FWS participation in Interior prototype oil shale program provides added assurance that industrial development of this vast energy resource will proceed in an environmentally acceptable manner.
- (2) Coal program--ratings of terrestrial wildlife values on known coal leasing areas, inputs to Interior EMARS process.
- (3) Geothermal development--systematic identification of environmental impacts associated with geothermal development.
- (4) Power plant activities--inventory of existing and proposed power plants.
- (5) Western water allocation--stream evaluation project.

SUBREGION(S): SUBBASIN(S):

<u>                  </u> x	Basinwide
<u>                  </u>	Upper Missouri
<u>                  </u>	Yellowstone
<u>                  </u>	Western Dakotas
<u>                  </u>	Eastern Dakotas
<u>                  </u>	Platte Niobrara
<u>                  </u>	Middle Missouri
<u>                  </u>	Kansas
<u>                  </u>	Lower Missouri

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Agency Contact: Rick Dornfeld  
U.S. Fish & Wildlife Service

Address: P.O. Box 25486  
Denver, CO 80225

Phone: FTS 234-4616

NAME OF PROGRAM: Denver Wildlife Research Center, Denver, Colorado

LEAD AGENCY: United States Dept. of Interior, Fish & Wildlife Service (FWS) AUTHORITY(S):

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A	Framework Study
<input type="checkbox"/>	B	Basin Planning
<input type="checkbox"/>	C-1	Preliminary Study
<input type="checkbox"/>	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

### DESCRIPTION

**SUMMARY :**

PURPOSE OR OBJECTIVES: Fish and wildlife research of species ecology, interspecific relationships, toxicology, pest control techniques development, etc.

## SUBREGION(S):

## SUBBASIN(S):

X	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Agency Contact: Rick Dornfeld  
U.S. Fish & Wildlife Service

Address: P.O. Box 25486  
Denver, CO 80225

Phone: FTS 234-4616

LEAD AGENCY: United States Dept. of Interior. Fish & Wildlife Service (FWS) AUTHORITY(S):

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

SUMMARY: Implementation of the Endangered Species Act through:

- (1) planning and coordination
- (2) species and habitat management
- (3) law enforcement
- (4) grants

## SUBREGION(S): SUBBASIN(S):

\_\_\_\_\_ x Basinwide  
 \_\_\_\_\_ Upper Missouri  
 \_\_\_\_\_ Yellowstone  
 \_\_\_\_\_ Western Dakotas  
 \_\_\_\_\_ Eastern Dakotas  
 \_\_\_\_\_ Platte Niobrara  
 \_\_\_\_\_ Middle Missouri  
 \_\_\_\_\_ Kansas  
 \_\_\_\_\_ Lower Missouri

## STATE(S): COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Phone: FTS 234-4616

LEAD AGENCY: United States Dept. of Interior. Fish & Wildlife Service (FWS) AUTHORITY(S):

## PROGRAM SCOPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Research and monitoring of environmental contaminants to find out:

- (1) what the potential contaminants are
- (2) where they may appear in the environment
- (3) their biological significance

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

_____ X	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
_____	Kansas
_____	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: Rick Dornfeld  
U.S. Fish & Wildlife Service

Address: P.O. Box 25486  
Denver, CO 80225

Phone: FTS 234-4616

LEAD AGENCY: United States Dept. of Interior, Fish & Wildlife Service (FWS) AUTHORITY(S):

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

SUMMARY: 74 specific work units proposed for funding in FY 1979.

PURPOSE OR OBJECTIVES: Fish and wildlife research of species ecology, interspecific relationships, responses to land management, etc.

## SUBBASIN(S):

\_\_\_\_\_ x Basinwide  
 \_\_\_\_\_ Upper Missouri  
 \_\_\_\_\_ Yellowstone  
 \_\_\_\_\_ Western Dakotas  
 \_\_\_\_\_ Eastern Dakotas  
 \_\_\_\_\_ Platte Niobrara  
 \_\_\_\_\_ Middle Missouri  
 \_\_\_\_\_ Kansas  
 \_\_\_\_\_ Lower Missouri

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

[illegible]

Address: P.O. Box 25486  
Denver, CO 80225

Phone: FTS 234-4616



NAME OF PROGRAM: Interpretation and Recreation

LEAD AGENCY: United States Dept. of Interior. Fish & Wildlife Service (FWS) AUTHORITY(S):

   AUTHORITY(S):

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

## DESCRIPTION

**SUMMARY:** Conservation and environmental education programs.

PURPOSE OR OBJECTIVES:

## SUBREGION(S):

## SUBBASIN(S):

_____ X	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
_____	Kansas
_____	Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Agency Contact: Rick Dornfeld  
U.S. Fish & Wildlife Service

Address: P.O. Box 25486  
Denver, CO 80225

Phone: FTS 234-4610





LEAD AGENCY: United States Dept. of Interior. Fish & Wildlife Service (FWS) AUTHORITY(S):

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
	Flood Damage Abatement
X	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:** Wildlife related law enforcement.

PURPOSE OR OBJECTIVES:

_____ X _____	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
_____	Kansas
_____	Lower Missouri

STATE(S): COUNTY(S)/VICINITY:

☒ STATEWIDE[illegible]

Phone: FTS 234-4616



NAME OF PROGRAM: Availability of Ground Water in North-Central Kansas

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS) AUTHORITY(S):

**AUTHORITY(S):**

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
X	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
X	Instream Flows

DESCRIPTION

### SUMMARY :

**PURPOSE OR OBJECTIVES:** Better determine the availability of ground water in the nine county area of Norton, Phillips, Smith, Graham, Rooks, Osborn, Trego, Ellis, and Russell counties, Kansas. Define as nearly possible by hydrologic investigation, including modeling techniques, the relationships between ground water and surface water, and the effect of development of one upon the other.

## SUBREGION(S):

**SUBBASIN(S):**

_____	Basinwide
_____	Upper Missouri
_____	Yellowstone
_____	Western Dakotas
_____	Eastern Dakotas
_____	Platte Niobrara
_____	Middle Missouri
26 _____ X	Kansas
_____	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: North-central Kansas

☐ STATEWIDE[illegible]

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Channel Geometry as Related to Discharge Characteristics of Regulated streams in Kansas

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS) AUTHORITY(S):

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

X	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
X	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
X	Legal and Institutional
X	Instream Flows

## DESCRIPTION

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** Desired results of the proposed study are to: (1) Define the relation of channel geometry to various parameters of discharge for regulated streams; (2) Determine the downstream changes in the channel shape that occur on specific regulated streams; (3) Develop insight into the channel changes in shape, gradient, sinuosity, and elevation that occur as the result of dam construction and regulation of Kansas streams; and (4) Develop an understanding of the influence that mobile channel material exerts on the geometry of regulated streams. The study is intended to be a continuation of a series of Channel Geometry investigations of Kansas streams.

**SUBREGION(S):**

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25, 26, 27	X Kansas
29, 30	X Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE

[illegible]

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult
	Power and Energy
	Recreation
	Transportation
X	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** The objectives of the project are: (1) To Evaluate the chemical quality data to determine the adequacy of the network for describing base-line ground-water quality and for detecting pollution of the principal aquifers in the State, and (2) To determine the significance of the data with respect to State and Federal water-quality standards imposed by the Safe Drinking Water Act.

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
26, 25, 27	X	Kansas
29, 30	X	Lower Missouri

## STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE

[illegible]

Phone: FTS-234-5900

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS) AUTHORITY(S):

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

	Comprehensive
x	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** To appraise the flood characteristics of Kansas streams.

## SUBBASIN(S):

_____	_____	Basinwide
_____	_____	Upper Missouri
_____	_____	Yellowstone
_____	_____	Western Dakotas
_____	_____	Eastern Dakotas
_____	_____	Platte Niobrara
24 _____	X _____	Middle Missouri
25, 26, 27 _____	X _____	Kansas
29, 30 _____	X _____	Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☐ STATEWIDE[illegible]

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: \_\_\_\_\_ and Water Stations

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS)

AUTHORITY(S): \_\_\_\_\_

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

## SUMMARY:

PURPOSE OR OBJECTIVES: To collect water level data sufficient to provide a minimum long-term data base so that the general response of the hydrologic system to natural climatic variations and induced stresses is known and potential problems can be defined early enough to allow proper planning and management. To provide a data base against which the short-term records acquired in areal studies can be analyzed. This analysis must 1) provide an assessment of the ground water resource; 2) allow prediction of future conditions; 3) detect and define pollution and supply problems; and 4) provide the data base necessary for management of the resource.

## SUBREGION(S):

## SUBBASIN(S):

- \_\_\_\_\_ y Basinwide  
\_\_\_\_\_ Upper Missouri  
\_\_\_\_\_ Yellowstone  
\_\_\_\_\_ Western Dakotas  
\_\_\_\_\_ Eastern Dakotas  
\_\_\_\_\_ Platte Niobrara  
\_\_\_\_\_ Middle Missouri  
\_\_\_\_\_ Kansas  
\_\_\_\_\_ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
USGS Colorado				24												
USGS Iowa				33												
USGS Kansas			254	12												
USGS Minnesota				2												
USGS Missouri				32												
USGS Montana			900	200												
USGS Nebraska			1301	200												
USGS North Dakota				55												
USGS South Dakota																
USGS Wyoming				48												

Agency Contact:

Jack Carter

Address:

Denver Federal Center  
Denver, Colorado 80225

Phone:

FTS-234-5900



**AUTHORITY(S):**

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

### SUMMARY:

**PURPOSE OR OBJECTIVES:** To collect water level data sufficient to provide a minimum long-term data base so that the general response of the hydrologic system to natural climatic variations and induced stresses is known and potential problems can be defined early enough to allow proper planning and management. To provide a data base against which the short-term records acquired in areal studies can be analyzed. This analysis must (1) provide an assessment of the ground water resource; (2) allow prediction of future conditions; (3) detect and define pollution and supply problems; and (4) provide the data base necessary for management of the resource.

## SUBREGION(S):

## SUBBASIN(S):

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE

[illegible]

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

LEAD AGENCY: United States Department of Interior / Geological Survey (USGS) AUTHORITY(S):

## PROGRAM SCOPE

X	Ongoing
	Resumption
	New Start

X	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

PURPOSE OR OBJECTIVES: The study will determine the controls that sediment exerts on the geometry of alluvial streams. The manner in which silt-clay content of bed and bank material influences the regression relation between channel geometry and discharge will be studied. Thus, the intention is to define the quantitative influence that sediment of stream has on active-channel geometry, this information will result in better estimates of discharge from ungaged basins, another objective is accumulation of field experience that will indicate the types of data leading to continued refinement of the channel-geometry method.

SUBREGION(S): SUBBASIN(S):

ry	X	Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

Colorado	Montana
Iowa	North Dakota
Kansas	Nebraska
Minnesota	South Dakota
Missouri	Wyoming

☐ STATEWIDE[illegible]

Agency Contact: Jack Carter USGS

Address: Denver Federal Center  
Denver, Colorado 80224

Phone: FTS-234-5900

NAME OF PROGRAM: Numerical Models of Streamflow in Kansas

LEAD AGENCY: United States Dept., of Interior. Geological Survey (USGS)

**AUTHORITY(S):**

PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

X	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
X	Instream Flows

DESCRIPTION

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** The objectives of this project are to (1) improve the capability of modeling stream-flow, particularly low flows, by developing modifications to existing models; (2) use the models to determine the magnitude of change in rain fall-runoff relations for several streams in Kansas; and (3) determine the future expectancy of runoff under the changed conditions.

## SUBREGION(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25, 26, 27	X	Kansas
29,30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE[illegible]

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Sediment StationsLEAD AGENCY: United States Department of Interior/Geological Survey (USGS)

AUTHORITY(S):

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☒ Water Quality Mgmt.  
☐ Legal and Institutiona.  
☐ Instream Flows

## DESCRIPTION

## SUMMARY:

PURPOSE OR OBJECTIVES: To provide a national bank of sediment data for use in broad Federal and State planning and action programs and to provide data for Federal management of interstate and international waters.

## SUBREGION(S):

## SUBBASIN(S):

☒ Basinwide☐ Upper Missouri☐ Yellowstone☐ Western Dakotas☐ Eastern Dakotas☐ Platte Niobrara☐ Middle Missouri☐ Kansas☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
USGS Colorado																
USGS Iowa				33												
USGS Kansas			282	48												
USGS Minnesota				2												
USGS Missouri																
USGS Montana			555	85												
USGS Nebraska				34												
USGS North Dakota				33												
USGS South Dakota			249	14.4												
USGS Wyoming				15												

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS) AUTHORITY(S):

## PROGRAM SCOPE

X	Ongoing
	Resumption
	New Start

X	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** To provide a national bank of sediment data for use in broad Federal and State planning and action programs and to provide data for Federal management of interstate and international waters.

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE

## SUBREGION(S):

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
24	X Middle Missouri
25,26,27	X Kansas
29,30	X Lower Missouri

[illegible]

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Streamflow Characteristics/Kansas

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS) AUTHORITY(S):

### PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

PROGRAM TYPE

X	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Agmt.
	M&I and Rural Water
	Natural, Hist., & Cult
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutions
X	Instream Flows

DESCRIPTION

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** To define the characteristics of streamflow and interrelation with ground water supplies from the raw data and present them in terms useful for developing the optimum benefit from the available water supplies and optimum protection from floods.

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE

## SUBREGION(S):

## SUBBASIN(S):

_____	_____	Basinwide
_____	_____	Upper Missouri
_____	_____	Yellowstone
_____	_____	Western Dakotas
_____	_____	Eastern Dakotas
_____	_____	Platte Niobrara
<u>24</u>	X	Middle Missouri
<u>25, 26, 27,</u>	X	Kansas
<u>29, 30</u>	X	Lower Missouri

[illegible]

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Streamgaging Stations

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS)

AUTHORITY(S):

## PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

- ☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

## PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

## SUMMARY:

PURPOSE OR OBJECTIVES: To collect surface-water data sufficient to satisfy needs for current-purpose uses such as 1) assessment of water resources, 2) operations of reservoirs or industries, 3) forecasting, 4) disposal of wastes and pollution controls, 5) discharge data to accompany water-quality measurements, 6) compact and legal requirements, and 7) research or special studies. B. to collect data necessary for analytical studies to define for any location the statistical properties of, and trends in, the occurrence of water in streams, lakes, estuaries, etc., for use in planning and design.

## SUBREGION(S):

## SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

## LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

Streamgaging

FUNDING SOURCE/AGENCY

ESTIMATED PROGRAM FUNDING

Funding Source				
D	S	G	L	O
i	h	r	a	t
r	a	a	n	h
e	r	n	e	e
c	(	t		
t	%)			

ESTIMATED PROGRAM FUNDING										
Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete
			24							
			160							
			348							
			12							
		4820	715							
			790							
			235							
		2780	375							
			421							

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado, 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Streamgaging StationsLEAD AGENCY: United States Department of Interior/Geological Survey (USGS)

AUTHORITY(S):

## PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

## PROGRAM TYPE

☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

## PROGRAM SCOPE

☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

## DESCRIPTION

## SUMMARY:

PURPOSE OR OBJECTIVES: A. To collect surface-water data sufficient to satisfy needs for current-purpose uses, such as 1) assessment of water resources, 2) operation of reservoirs or industries, 3) forecasting, 4) disposal of wastes and pollution controls, 5) discharge data to accompany water-quality measurements, 6) compact and legal requirements, and 7) research or special studies.  
B. To collect data necessary for analytical studies to define for any location the statistical properties of, and trends in, the occurrence of water in streams, lakes, etc., for use in planning and design.

## SUBREGION(S):

## SUBBASIN(S):

## LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☐ STATEWIDE

☐ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☒ 24 Middle Missouri  
☒ 25, 26, 27 Kansas  
☒ 29, 30 Lower Missouri

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	Direct	Share	Grant	Other
USGS			-									X	X		
CE			-									X			
USBR			-									X			
BSF and W				348								X			
Kansas Water Res. Board			-										X		
City of Wichita			-										X		
Kansas Highway Comm.			-										X		

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900



LEAD AGENCY: United States Department of Interior/Geological Survey (USGS) AUTHORITY(S):

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
X	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** The objectives of the project are to evaluate the use of methods other than metering of wells to determine the withdrawal of ground water from irrigation wells in Kansas, and to test such methods by application to a large irrigated area.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
5,26	X Kansas
	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☐ STATEWIDE[illegible]

Agency Contact: Jack Carter USGS

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Water Quality Stations

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS)

AUTHORITY(S):

PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

- ☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cul  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institution  
☐ Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: To provide a national bank of water quality data for broad Federal planning and action programs and to provide data for Federal management of interstate and international waters.

SUBREGION(S):

SUBBASIN(S):

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	C o t h e r
USGS Colorado				107												
USGS Iowa				28												
USGS Kansas																
USGS Minnesota				4												
USGS Missouri				105												
USGS Montana																
USGS Nebraska				228												
USGS North Dakota				222												
USGS South Dakota				857	160											
USGS Wyoming				125												

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Water Quality Stations

LEAD AGENCY: United States Department of Interior/Geological survey (USGS) AUTHORITY(S):

PROGRAM STATUS

- ☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

- ☒ Data Collection  
☐ Research  
☐ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

- ☐ A Framework Study  
☐ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: To provide a national bank of water quality data for broad Federal planning and action programs and to provide data for Federal management of interstate and international waters.

SUBREGION(S):

SUBBASIN(S):

- Basinwide  
 Upper Missouri  
 Yellowstone  
 Western Dakotas  
 Eastern Dakotas  
 Platte Niobrara  
 24 ☒ Middle Missouri  
 25, 26, 27 ☒ Kansas  
 29, 30 ☒ Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
USGS												X	X			
COE												X				
EPA												X				
Kansas WRB													X			
Kansas DOH&E													X			
Kansas Geological Survey													X			

Agency Contact: Jack Carter

Address: Denver Federal Center  
 Denver, Colorado 80225

Phone: FTS-234-5900

**AUTHORITY(S):**

## PROGRAM SCOPE

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

X	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** To establish a water-use data program for Kansas that will enable managers and planners to determine the degree of use and the status of development of the State's water resources. The program includes design of a field program of data collection and development of a computerized system at the State level for storage, retrieval, manipulation, and dissemination of water-use data.

## SUBBASIN(S):

	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Nebraska
24	X Middle Missouri
25, 26, 27	X Kansas
28, 30	X Lower Missouri

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE

[illegible]

Phone: FTS-234-5900

NAME OF PROGRAM: Water Yield Estimation For Ungaged Small Basins In Kansas

LEAD AGENCY: United States Department of Interior/Geological Survey (USGS)

**AUTHORITY(S):**

## PROGRAM STATUS

X	Ongoing
	Resumption
	New Start

## PROGRAM TYPE

X	Data Collection
X	Research
	Special Study
	Regional Planning
	Impl. Study
	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
	C-2	Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
X	Irrigation
	Land Conserv. & Mgmt.
X	M&I and Rural Water
	Natural, Hist., & Cult.
	Power and Energy
	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

## DESCRIPTION

**SUMMARY:**

**PURPOSE OR OBJECTIVES:** The objectives of the projects are: (1) To test the applicability and limitations of applying existing methods for estimating water yields and storage requirements for basins larger than 100 square miles to smaller basins, and (2) If existing methods are not applicable, develop new methods to estimate water yield and storage requirements for ungaged basins with drainage areas smaller than 100 square miles.

## SUBREGION(S):

## SUBBASIN(S):

		Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
		Platte Niobrara
24	X	Middle Missouri
25,26,27	X	Kansas
29,30	X	Lower Missouri

LOCATION

STATE(S): Kansas

COUNTY(S)/VICINITY: Northern Kansas

☒ STATEWIDE

[illegible]

Agency Contact: Jack Carter

Address: Denver Federal Center  
Denver, Colorado 80225

**Phone:** FTS-234-5900

LEAD AGENCY: United States Department of Interior/Heritage, Conservation and Recreation Service AUTHORITY(S): 88-29 & 88-578  
(HCRS)

## PROGRAM SCOPE

X	Ongoing
	Resumption
	New Start

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

<input type="checkbox"/>	A Framework Study
<input type="checkbox"/>	B Basin Planning
<input type="checkbox"/>	C-1 Preliminary Study
<input type="checkbox"/>	C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
20	Natural, Hist., & Cult.
	Power and Energy
70	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
10	Instream Flows

**SUMMARY:** To assist State and local agencies in development of conservation management plan to properly manage and utilize existing recreational, cultural and historical and natural resource

PURPOSE OR OBJECTIVES: same

## SUBBASIN(S):

	X	Basinwide
		Upper Missouri
		Yellowstone
		Western Dakotas
		Eastern Dakotas
18,	X	Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

## STATE(S): Wyoming

COUNTY(S)/VICINITY: Upper North Platte River Basin  
in Wyoming

☐ STATEWIDE[illegible]

Agency Contact: Emanuel Louck  
HCRS

Address: P.O. Box 25387  
Denver, CO 80225

Phone: FTS 234-3523

NAME OF PROGRAM: National & State Trail System Planning

LEAD AGENCY: Department of Interior, Heritage Conservation and Recreation Services (HCRS)

AUTHORITY(S): PL-90-543

**PROGRAM STATUS**

☒ Ongoing  
☐ Resumption  
☐ New Start

**PROGRAM TYPE**

☐ Data Collection  
☐ Research  
☒ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

**PROGRAM SCOPE**

☐ A Framework Study  
☒ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

**PROGRAM PURPOSES  
(Percent)**

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ 10 Natural, Hist., & Cult.  
☐ Power and Energy  
☐ 80 Recreation  
☐ 10 Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

**DESCRIPTION**

SUMMARY: To identify trails and trail systems that have potential for addition to the National Trails systems on a state trails system.

PURPOSE OR OBJECTIVES: Recommendation for study on designation as part of National Trails System.

**SUBREGION(S):**

**SUBBASIN(S):**

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

**LOCATION**

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
HCRS Colorado				2	2	2	2	2	2	2		X				
HCRS Iowa				2	2	2	2	2	2	2		X				
HCRS Kansas				2	2	2	2	2	2	2		X				
HCRS Minnesota				1	1	1	1	1	1	1		X				
HCRS Missouri	None															
HCRS Montana	None															
HCRS Nebraska				2	2	2	2	2	2	2		X				
HCRS North Dakota				2	2	2	2	2	2	2		X				
HCRS South Dakota				2	2	2	2	2	2	2		X				
HCRS Wyoming				2	2	2	2	2	2	2		X				

Agency Contact: Emanuel Lauck (HCRS)

Address: P. O. Box 25387  
 Denver, Colorado 80225

Phone: FTS 234-3523

NAME OF PROGRAM: Natural History Theme Studies

LEAD AGENCY: Department of Interior Heritage, Cultural & Recreation Services (HCRS)

AUTHORITY(S): Historical Site Act of 1935

PROGRAM STATUS

☐ Ongoing  
☐ Resumption  
☒ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☒ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☒ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES  
(Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☒ 100 Natural, Hist., & Cult.  
☐ Power and Energy  
☐ Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

DESCRIPTION

SUMMARY: To identify examples of natural landscape, river scape, shorelines and important landmarks of our history.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☐ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	Direct	Share (%)	Grant	Loan	Other
HCRS - Iowa				4	6											
HCRS - Kansas				4	5											
HCRS - Minnesota				1	1											
HCRS - Missouri				3	5											
HCRS - Montana				3	3											
HCRS - Nebraska				1	2											
HCRS - South Dakota				2	3											
HCRS - Wyoming				8	8											

Agency Contact: Emanuel Lauck  
HCRS

Address: P. O. Box 25387  
Denver, CO 80225

Phone: FTS 234-3523





NAME OF PROGRAM: State Comprehensive Outdoor Recreation Planning

LEAD AGENCY: Department of Interior Heritage, Cultural and Recreation Services (HCRS)

AUTHORITY(S): PL-88-29  
PL-88-578

**PROGRAM STATUS**

- ☒ Ongoing  
☐ Resumption  
☐ New Start

**PROGRAM TYPE**

- ☐ Data Collection  
☐ Research  
☐ Special Study  
☒ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

**PROGRAM SCOPE**

- ☐ A Framework Study  
☒ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

**PROGRAM PURPOSES (Percent)**

- ☐ Comprehensive  
☐ Flood Damage Abatement  
☐ Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ Natural, Hist., & Cult.  
☐ Power and Energy  
☒ 100 Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ Instream Flows

**DESCRIPTION**

SUMMARY: Inventory and analyse state recreation needs.

**PURPOSE OR OBJECTIVES:**

**SUBREGION(S):**

**SUBBASIN(S):**

- ☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

**LOCATION**

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Bal. to Complete	Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		D i r e c t	S h a r e (%)	G r a n t	L o a n	O t h e r
HCRS - Colorado	X			5	5	5	5	5	5	5		X				
HCRS - Iowa	X			5	5	5	5	5	5	5		X				
HCRS - Kansas	X			5	5	5	5	5	5	5		X				
HCRS - Minnesota	X			3	3	3	3	3	3	3		X				
HCRS - Missouri	X			2	2	2	2	2	2	2		X				
HCRS - Montana				5	5	5	5	5	5	5		X				
HCRS - Nebraska	X			5	5	5	5	5	5	5		X				
HCRS - North Dakota				5	5	5	5	5	5	5		X				
HCRS - South Dakota	X			5	5	5	5	5	5	5		X				
HCRS - Wyoming	X			5	5	5	5	5	5	5		X				

Agency Contact: Emanuel Lauck  
HCRS

Address: P. O. Box 25387  
Denver, CO 80225

Phone: FTS 234-3523

NAME OF PROGRAM: Tuttle Creek Reservoir Archeological Survey and Salvage, Kansas

LEAD AGENCY: United States Department of Interior/Heritage, Conservation, and Recreation Service <sup>(HCRS)</sup> AUTHORITY(S): Antiquities Act 1906  
Salvage Act 1960

NAME OF PROGRAM: Wild and Scenic River System Planning

LEAD AGENCY: Department of the Interior, Heritage, Cultural and Recreation Services (HCRS) AUTHORITY(S): PL 90-542

PROGRAM STATUS

☒ Ongoing  
☐ Resumption  
☐ New Start

PROGRAM TYPE

☐ Data Collection  
☐ Research  
☒ Special Study  
☐ Regional Planning  
☐ Impl. Study  
☐ Prog. Implement.

PROGRAM SCOPE

☐ A Framework Study  
☒ B Basin Planning  
☐ C-1 Preliminary Study  
☐ C-2 Detailed Study

PROGRAM PURPOSES (Percent)

☐ Comprehensive  
☐ Flood Damage Abatement  
☐ 10 Fish and Wildlife  
☐ Irrigation  
☐ Land Conserv. & Mgmt.  
☐ M&I and Rural Water  
☐ 20 Natural, Hist., & Cult.  
☐ Power and Energy  
☐ 60 Recreation  
☐ Transportation  
☐ Water Quality Mgmt.  
☐ Legal and Institutional  
☐ 10 Instream Flows

DESCRIPTION

SUMMARY: To identify river and stream systems that have potential for addition to the National Wild and Scenic River System, or to a State system.

PURPOSE OR OBJECTIVES:

SUBREGION(S): SUBBASIN(S):

☒ Basinwide  
☐ Upper Missouri  
☐ Yellowstone  
☐ Western Dakotas  
☐ Eastern Dakotas  
☐ Platte Niobrara  
☐ Middle Missouri  
☐ Kansas  
☐ Lower Missouri

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

☒ STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING										Funding Source				
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	Direct	Share (%)	Grant	Other
HCRS - Colorado	X			2.5	2.5	2.5	2.5	2.5	2.5			X			
HCRS - Iowa	X			2	2	2	2	2	2			X			
HCRS - Kansas	X			5	5	5	5	5	5			X			
HCRS - Minnesota		DONE													
HCRS - Missouri	X			5	5	5	5	5	5			X			
HCRS - Montana	X			2	2	2	2	2	2						
HCRS - Nebraska	X			3	3	3	3	3	3			X			
HCRS - North Dakota	X			3	3	3	3	3	3			X			
HCRS - South Dakota	X			5	5	5	5	5	5			X			
HCRS - Wyoming		NO ACTIVITY													

Agency Contact: Emanuel Lauck  
HCRS

Address: P.O. Box 25387  
Denver, CO 80225

Phone: FTS 234-3523



NAME OF PROGRAM: Oregon National Historic Trail Management Plan

LEAD AGENCY: United States Department of Interior, National Park Service (NPS) AUTHORITY(S):

## PROGRAM STATUS

	Ongoing
	Resumption
X	New Start

PROGRAM TYPE

	Data Collection
	Research
	Special Study
	Regional Planning
	Impl. Study
X	Prog. Implement.

## PROGRAM SCOPE

	A	Framework Study
	B	Basin Planning
	C-1	Preliminary Study
X	C-2	Detailed Study

**PROGRAM PURPOSES**  
(Percent)

	Comprehensive
	Flood Damage Abatement
	Fish and Wildlife
	Irrigation
	Land Conserv. & Mgmt.
	M&I and Rural Water
50	Natural, Hist., & Cult.
	Power and Energy
50	Recreation
	Transportation
	Water Quality Mgmt.
	Legal and Institutional
	Instream Flows

DESCRIPTION

**SUMMARY:** Comprehensive Plan for Management, use and marking of the trail, fully coordinated with Federal agencies, states, and advisory council

**PURPOSE OR OBJECTIVES:**

LOCATION

STATE(S):  
Missouri  
Kansas  
Nebraska  
Wyoming

COUNTY(S)/VICINITY: Route of the Oregon Trail 1841-48, starting  
at Independence, Missouri

☐ STATEWIDE

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
	Yellowstone
	Western Dakotas
	Eastern Dakotas
18, 19, 20	X Platte Niobrara
	Middle Missouri
	Kansas
27, 30	X Lower Missouri

[illegible]

Agency Contact: Bill Farrand  
National Park Service

Address: 1709 Jackson St.  
Omaha, Ne 68102

**Phone:** FTS 864-3482

