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



wyoming

Volume 11

Missouri River Basin Commission
December 1978

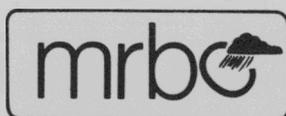
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The Missouri River Basin Commission is the principal agency for the coordination of Federal, State, interstate, local and nongovernmental plans for the development of water and related land resources in the area served by the Missouri River and its tributaries. As an independent regional commission, it also provides a forum in which States meet with Federal agencies to conduct water and related land resources planning. The Commission's Chairman is appointed by the President; its Vice-Chairman is elected from among State members.

MRBC members are Colorado; Iowa; Kansas; Minnesota; Missouri; Montana; Nebraska; North Dakota; South Dakota; Wyoming; Department of Agriculture; Department of the Army; Department of Commerce; Department of Energy; Environmental Protection Agency; Department of Health, Education and Welfare; Department of Housing and Urban Development; Department of the Interior; Department of Transportation; Yellowstone River Compact Commission; Big Blue River Compact Administration. Canada is an observer.

MISSOURI RIVER BASIN
STATE AND FEDERAL WATER AND RELATED LAND RESOURCE PROGRAMS
FISCAL YEARS 1979-1983

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Summary Tables
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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).

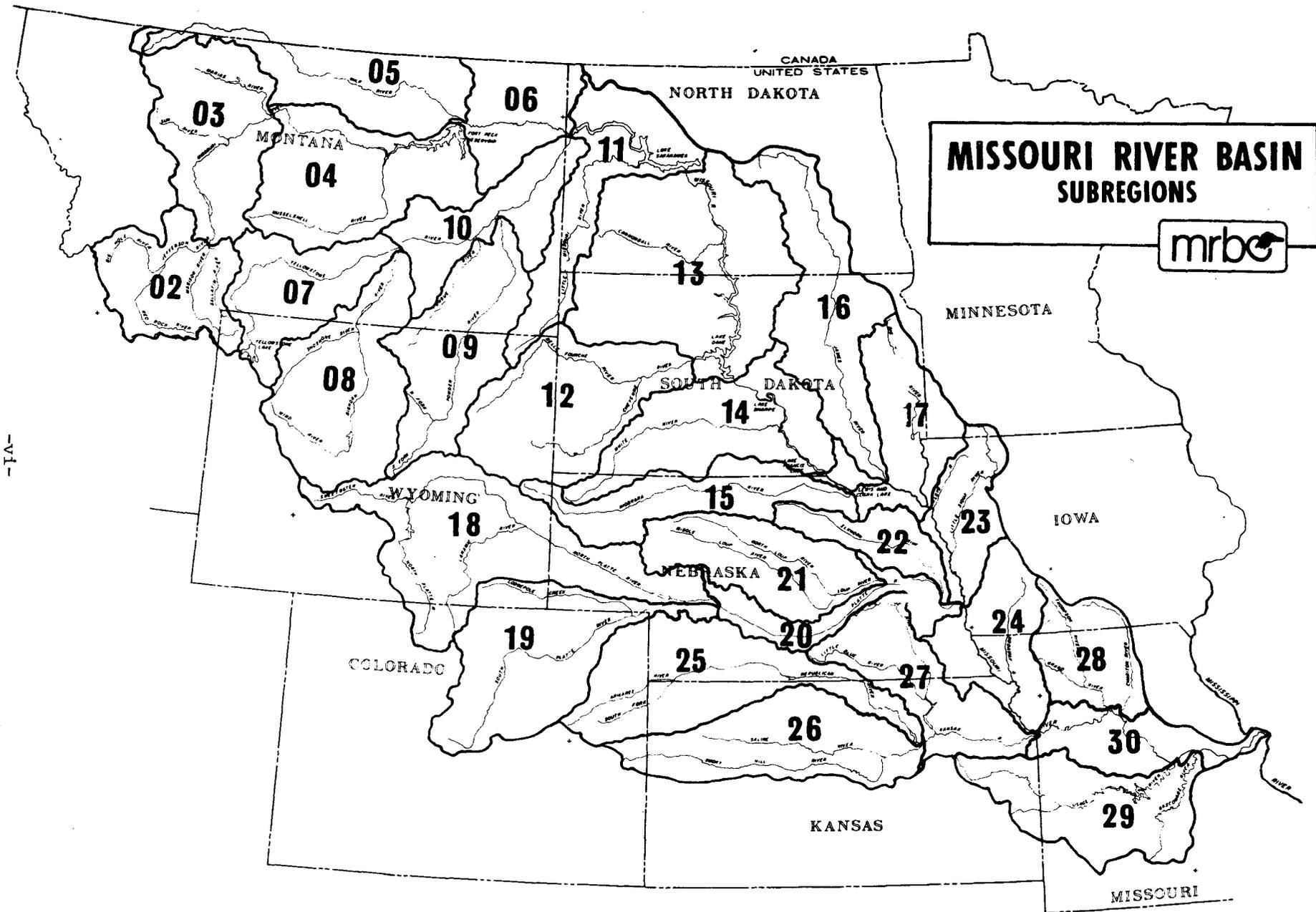
**IMPLEMENTATION
STUDIES:**

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.



**MISSOURI RIVER BASIN
SUBREGIONS**



-VI-

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

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Impacts of Economic Development and Water Use of Water Resources in the Hanna Basin in Wyoming-----		4	Special Study	11 - 192
Sediment Stations-----		FNS	Data Collection	11 - 195
Streamgaging Stations-----		FNS	Data Collection	11 - 197
Water Quality Stations-----		FNS	Data Collection	11 - 199
Water Resources of the Powder River Structural Basin in Wyoming in Relation to Energy Development-----		30	Special Study	11 - 201
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/BUREAU OF MINES (BOM)</u>				
<u>LEAD AGENCY PROGRAMS</u>				
Mineral Availability Studies-----		35	Data Collection	11 - 151
Resource and Environmental Studies-----		32	Regional Planning	11 - 152
Wilderness Investigations-----		50	Impl. Study	11 - 153
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/BUREAU OF RECLAMATION (BR)</u>				
Atmospheric Water Resources Research Including High Plains Cooperative Program-----		1,600	Research	11 - 154
Buffalo Bill Reservoir Enlargement-----		FNS	Impl. Study	11 - 155
Bureau of Reclamation Irrigation Facilities Rehabilitation and Betterment Program/Loan-----		FNS	Impl. Study	11 - 156
Environmental and Interagency Coordination Activities/Special-----		100	Special Study	11 - 157
Examination of Existing Structures Program/Safety of Dams-----		661	Impl. Study	11 - 158
Kendrick Project-----		350	Prog. Implement.	11 - 159
Muddy Ridge Area/Riverton Unit/Feasibility-----		110	Impl. Study	11 - 160
North Platte Project (R&B)/Nebraska and Wyoming-----		75	Special Study	11 - 161
North Platte River Hydroelectric Study-----		150	Impl. Study	11 - 162
Pick-Sloan Missouri Basin Program/Riverton Unit/Construction-----		2,889	Prog. Implement.	11 - 163
Pick-Sloan Missouri Basin/Shoshone Extension Unit/Polecat Bench Area/Construction-----		650	Prog. Implement.	11 - 164
Platte River Studies/Nebraska/Wyoming/Colorado-----		420	Special Study	11 - 165
Power Intertie Studies/Feasibility-----		15	Special Study	11 - 166
Seminole Dam Modification-----		7	Impl. Study	11 - 167
Water Management Study Missouri River Upstream of Gavins Point/Special-----		9	Special Study	11 - 168
Weather Modification Program-----		FNS	Research	11 - 169
Western Hydroelectric Power Inventory Special-----		421	Special Study	11 - 170
Wind-Hydro Energy Project/Wind-Hydroelectric Energy Integration Study/System Verification Installation-----		2,784	Special Study	11 - 171
Wind River Basin Water Supply Study-----		10	Regional Planning	11 - 172
Willwood Power Plant Study-----		75	Impl. Study	11 - 173
Wyoming and Montana Investigation of Existing Projects/Special-----		FNS	Impl. Study	11 - 174
<u>ASSISTING AGENCY PROGRAMS</u>				
Sediment Stations-----		FNS	Data Collection	11 - 19
Streamgaging Stations-----		FNS	Data Collection	11 - 19
Water Quality Stations-----		FNS	Data Collection	11 - 19
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/FISH AND WILDLIFE SERVICE (FWS)</u>				
<u>LEAD AGENCY PROGRAMS</u>				
Animal Damage Control-----		FNS	Prog. Implement.	11 - 17
Biological Services-----		FNS	Prog. Implement.	11 - 17
Denver Wildlife Research Center, Denver, Colorado-----		FNS	Prog. Implement.	11 - 17
Endangered Species-----		FNS	Prog. Implement.	11 - 178
Environmental Contaminant Evaluation-----		FNS	Prog. Implement.	11 - 179
Fish and Wildlife Research Programs, North Dakota/Northern Prairie Wildlife Research Center, Jamestown, ND-----		FNS	Prog. Implement.	11 - 180
Inland Fisheries-----		FNS	Prog. Implement.	11 - 18
Interpretation and Recreation-----		FNS	Prog. Implement.	11 - 18
Land and Water Resource Development Planning-----		FNS	Prog. Implement.	11 - 183
Mammals and Nonmigratory Birds-----		FNS	Prog. Implement.	11 - 184
Migratory Birds-----		FNS	Prog. Implement.	11 - 185
<u>U.S. DEPARTMENT OF INTERIOR (USDOI)/GEOLOGICAL SURVEY (USGS)</u>				
<u>LEAD AGENCY PROGRAMS</u>				
Flood Investigation in Wyoming-----		FNS	Research	11 - 181
Ground Water Stations-----		48	Data Collection	11 - 187
Ground Water Stations-----		FNS	Data Collection	11 - 188
Hydrologic Evaluation of the Arikaree Formation near Lusk, Wyoming-----		FNS	Data Collection	11 - 18
Hydrology of Paleozoic Rocks in the powder River Basin and Adjacent Areas in Wyoming-----		128	Data Collection	11 - 19
Influence of Sediment and other Variables on Active-Channel Geometry-----		30	Research	11 - 19
Impacts of Economic Development and Water Use of Water Resources in the Hanna Basin in Wyoming-----		55	Special Study	11 - 192
Quantitative Study of the Tertiary Aquifers in Southern Laramie County, Wyoming-----		11	Data Collection	11 - 193
Sediment Stations-----		15	Data Collection	11 - 19
Sediment Stations-----		FNS	Data Collection	11 - 19
Streamgaging Stations-----		421	Data Collection	11 - 19
Streamgaging Stations-----		FNS	Data Collection	11 - 19
Water Quality Stations-----		125	Data Collection	11 - 198
Water Quality Stations-----		FNS	Data Collection	11 - 199
Water Resources Monitoring in the Powder River, South Central and Southwestern Coal Regions of Wyoming-----		175	Data Collection	11 - 200
Water Resources of the Powder River Structural Basin in Wyoming in Relation to Energy Development-----		222	Special Study	11 - 200
<u>ASSISTING AGENCY PROGRAMS</u>				
Platte River Studies/Nebraska/Wyoming/Colorado-----		FNS	Special Study	11 - 165
<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.	11 - 21
National and State Trail System Planning-----		2	Special Study	11 - 21
Natural History Theme Studies-----		8	Special Study	11 - 204
State Comprehensive Outdoor Recreation Planning-----		5	Regional Planning	11 - 205
Wild and Scenic River System Planning-----		FNS	Special Study	11 - 205

*FNS - Funding Not Specified

AGENCY PROGRAM INDEX

AGENCY
Program Title

FEDERAL AGENCIES (con't.)

FY 79 Funding
\$1,000

Category

Page No.

U.S. DEPARTMENT OF INTERIOR (USDOI)/NATIONAL PARK SERVICE (NPS)

LEAD AGENCY PROGRAMS

Bighorn Canyon National Recreation Area, Montana and Wyoming-----	50	Prog. Implement.	11 - 207
Devils Tower National Monument, Wyoming-----	FNS*	Impl. Study	11 - 208
John D. Rockefeller, Jr., Memorial Parkway, Wyoming-----	40	Prog. Implement.	11 - 209
John D. Rockefeller, Jr., Memorial Parkway, Wyoming-----	1,209	Prog. Implement.	11 - 210
Lewis and Clark National Historic Trail Management-----	FNS	Prog. Implement.	11 - 211
Monitoring Waste Water Effluent in Yellowstone Park-----	10	Data Collection	11 - 212
Oregon National Historic Trail Management Plan-----	FNS	Prog. Implement.	11 - 213
Sweetwater Wild and Scenic River Study, Wyoming-----	FNS	Special Study	11 - 214
Trails West Study, Nebraska-----	50	Impl. Study	11 - 215
Yellowstone National Park -Wyoming, Montana, and Idaho-----	2,117	Prog. Implement.	11 - 216
Yellowstone National Park, Wyoming, Montana, and Idaho-----	5,000	Prog. Implement.	11 - 217

U.S. OFFICE OF WATER RESEARCH AND TECHNOLOGY (OWRT)

ASSISTING AGENCY PROGRAMS

Research in Water and Related Land Resources Planning-----	FNS	Research	11 - 37
Water Requirements for Urban Lawns-----	FNS	Research	11 - 38
Water Requirements for Urban Lawns-----	13,305	Research	11 - 39
Silt Run Study/Research (Plan of Study)-----	50	Research	11 - 41

*FNS - Funding Not Specified

WYOMING
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 WYOMING

	-----Estimated Program Funding in Thousand Dollars*-----				
	Budgeted FY 79	FY 80	Estimated Field Requirements		
			FY 81	FY 82	FY 83
State Programs	21851	20259	20237	20237	20237
Ongoing State Planning and Construction Programs	21851	20259	20237	20237	20237
New Starts or Resumptions of State Planning and Construction Programs	NONE REPORTED				
Federal Agency Programs	79526	55318	48817	47879	29263
Ongoing Federal Planning and Construction Programs	75192	48022	47811	47284	28931
New Starts or Resumptions of Federal Planning and Construction Programs	4334	7296	1006	595	332
TOTAL	101377	75577	69054	68116	49500

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

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

11 - 3

	-----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	72	22	--	--	--	994	237	237	237	237	20785	20000	20000	20000	20000
Ongoing State Planning and Construction Programs	72	22	--	--	--	994	237	237	237	237	20785	20000	20000	20000	20000
New Starts or Resumptions of State Planning and Construction Programs	NONE REPORTED														
Federal Agency Programs	7722	14327	6045	4456	3926	7342	13904	8656	9004	9451	64462	27087	34116	34419	15886
Ongoing Federal Planning and Construction Programs	7663	7545	6045	4456	3926	6893	13390	7650	8409	9119	60636	27087	34116	34419	15886
New Starts or Resumptions of Federal Planning and Construction Programs	59	6782	--	--	--	449	514	1006	595	332	3826	--	--	--	--
TOTAL	7794	14349	6045	4456	3920	8336	14141	8893	9241	9688	85247	47087	54116	54419	17886

*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 WYOMING

	-----Estimated Program Funding in Thousand Dollars*-----				
	Budgeted FY 79	FY 80	Estimated Field Requirements		
			FY 81	FY 82	FY 83
Agricultural Commission	NONE	REPORTED			
Agricultural Dept	837	--	--	--	--
Dept of Economic Planning & Development	NONE	REPORTED			
Dept of Environmental Quality/Water Quality Div.	NONE	REPORTED			
Farm Loan Board	20000	20000	20000	20000	20000
Game & Fish Dept	NONE	REPORTED			
Highway Dept	NONE	REPORTED			
Interdepartmental Water Conf.	257	--	--	--	--
Recreation Commission	NONE	REPORTED			
State Engineer's Office	757	259	237	237	237
Water Resources Research Inst.	NONE	REPORTED			
TOTAL	21857	20259	20231	20237	20237

*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 WYOMING

	-----Estimated Program Funding in Thousand Dollars*-----				
	Budgeted FY 79	FY 80	Estimated Field Requirements		
			FY 81	FY 82	FY 83
Agricultural Commission					
Agricultural Dept					
Dept of Economic Planning & Development					
Dept of Environmental Quality/ Water Quality Div.					
Farm Loan Board					
Game & Fish Dept					
Highway Dept.					
Interdepartmental Water Conf.					
Recreation Commission					
State Engineer's Office					
Water Resources Research Inst.					

NONE REPORTED
 NONE REPORTED

TOTAL NONE REPORTED

*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
 IN WYOMING

	-----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
Agricultural Commission	NONE REPORTED														
Agricultural Dept	52	--	--	--	--	NONE REPORTED					785	--	--	--	--
Dept of Economic Planning & Dev.	NONE REPORTED														
Dept of Environmental Quality/Wtr. Quality	NONE REPORTED														
Farm Loan Board	NONE REPORTED					NONE REPORTED					20000	20000	20000	20000	20000
Game & Fish Dept	NONE REPORTED														
Highway Dept	NONE REPORTED														
Interdepartmental Water Conf.	NONE REPORTED					257	--	--	--	--	NONE REPORTED				
Recreation Commission	NONE REPORTED														
State Engineer's Office	20	22	--	--	--	737	237	237	237	237	NONE REPORTED				
Water Resources Research Inst.	NONE REPORTED														

11 - 6

TOTAL	72	22	--	--	--	994	237	237	237	237	20785	20000	20000	20000	20000
-------	----	----	----	----	----	-----	-----	-----	-----	-----	-------	-------	-------	-------	-------

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

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

	-----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
Agricultural Commission															
Agricultural Dept															
Dept of Economic Planning & Development															
Dept of Environmental Quality/ Water Quality Div.															
Farm Loan Board															
Game & Fish Dept															
Highway Dept															
Interdepartmental Water Conf.															
Recreation Commission															
State Engineer's Office															
Water Resources Research Inst.															

TOTAL

NONE REPORTED

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

NAME OF PROGRAM: Chemical Water Quality Program

LEAD AGENCY: Wyoming Agricultural Department 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:

SUBREGION(S): SUBBASIN(S):

- _____ Basinwide
- 2 _____ Upper Missouri
- 7, 8, 9 _____ Yellowstone
- 12 _____ Western Dakotas
- _____ Eastern Dakotas
- 15, 18, 19 _____ Platte Niobrara
- _____ Middle Missouri
- _____ Kansas
- _____ Lower Missouri

LOCATION

STATE(S):
Wyoming

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	State	Grant	Local	Other
Wyoming Agricultural Dept.				32												

Agency Contact: Ken Sturman
Wyoming Department of Agriculture

Address: 2219 Cary Avenue
Cheyenne, Wyoming 82002

Phone: 307-777-7324

NAME OF PROGRAM: Effects of Herbicide Usage on Water Quality of the Upper North Platte River, South Central Wyoming

LEAD AGENCY: Wyoming Agricultural Department

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 determine the effects of herbicide spraying on water quality and on bed materials in the study reach.

SUBREGION(S):

SUBBASIN(S):

- _____ Basinwide
- _____ Upper Missouri
- _____ Yellowstone
- _____ Western Dakotas
- _____ Eastern Dakotas
- _____ 18 X Platte Niobrara
- _____ Middle Missouri
- _____ Kansas
- _____ Lower Missouri

LOCATION

STATE(S): Wyoming

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	e	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		
Wyoming Agricultural Dept.				20								

Agency Contact: Jack Carter USGS

Address: Denver Federal Center
Denver Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Leafy Spurge Program

LEAD AGENCY: Wyoming Agricultural Department 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 control and eliminate the (Noxious) weed Leafy Spurge in Wyoming

SUBREGION(S):	SUBBASIN(S):
_____	Basinwide
_____	Upper Missouri
8, 9 X	Yellowstone
11, 12 X	Western Dakotas
_____	Eastern Dakotas
15, 18 X	Platte Niobrara
_____	Middle Missouri
_____	Kansas
_____	Lower Missouri

LOCATION

STATE(S):

Wyoming

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
Wyoming Agricultural Dept.				785												

Agency Contact: George F. Hittle
Wyoming Department of Agriculture

Address: 2219 Cary Avenue
Cheyenne, Wyoming 82002

Phone: 307-777-7321

NAME OF PROGRAM: Construction of Waste Water Treatment Works

LEAD AGENCY: Wyoming Department of Environmental Quality/Water Quality Division AUTHORITY(S): P.L. 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
- 100 Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: To require and to assist in the development and implementation of waste treatment plans and practices which will achieve goals of the Federal Water Pollution Control Act.

PURPOSE OR OBJECTIVES: Construction of waste water treatment plants.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
<u>2</u>	<input checked="" type="checkbox"/> Upper Missouri
<u>7, 8, 9</u>	<input checked="" type="checkbox"/> Yellowstone
<u>11, 12</u>	<input checked="" type="checkbox"/> Western Dakotas
	Eastern Dakotas
<u>15, 18, 19</u>	<input checked="" type="checkbox"/> Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming 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	Local	Other
EPA		90,199		15,759							51,579			75%		
Local				5,340									25%			
				21,009												

Agency Contact: Paul Schweiger
Water Quality Division

Address: Department of Environmental Quality
Hathaway Building
Cheyenne, WY 82002

Phone: FTS 328-9391

NAME OF PROGRAM: Wyoming Program Planning, Title I, Section 106

LEAD AGENCY: Wyoming Department of Environmental Quality/Water Quality Division AUTHORITY(S): P.L. 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
- 100 Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: To support State's overall management program for water quality.

PURPOSE OR OBJECTIVES: Water quality management plan.

SUBREGION(S): SUBBASIN(S):

- Basinwide
- 2 Upper Missouri
- 7, 8, 9 Yellowstone
- 11, 12 Western Dakotas
- Eastern Dakotas
- 15, 18, 19 Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Wyoming 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
EPA	X			400	400	400	400	400	400	400		X		X		

Agency Contact: Paul Schweiger
Water Quality Division

Address: Department of Environmental Quality
Hathaway Building
Cheyenne, WY 82002

Phone: FTS 328-9391

NAME OF PROGRAM: Farm Loans

LEAD AGENCY: Farm Loan Board (FLB) AUTHORITY(S): State Policy

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: Provision of State funds for municipal water supply, treatment facilities, and other projects.

PURPOSE OR OBJECTIVES: Assist in the financing of water resources or other types of projects, either by grants (normally 25%) or loans.

SUBREGION(S):

SUBBASIN(S):

		Basinwide
<u>2</u>	<u>X</u>	Upper Missouri
<u>7, 8, 9</u>	<u>X</u>	Yellowstone
<u>11, 12</u>	<u>X</u>	Western Dakotas
		Eastern Dakotas
<u>15, 18, 19</u>	<u>X</u>	Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

LOCATION

STATE(S): Wyoming

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
Wyoming				20,000	20,000	20,000	20,000	20,000	20,000	20,000				25%	75%	

Agency Contact: Paul Schweiger
Water Quality Division

Address: Department of Environmental Quality
Hathaway Building
Cheyenne, WY 82002

Phone: FTS 328-9391

NAME OF PROGRAM: Access to Rivers and Streams

LEAD AGENCY: Wyoming Game and Fish Department

AUTHORITY(S): Fish Restoration Act
Dingell-Johnson

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

DESCRIPTION

SUMMARY: Provision of access for water oriented recreation.

PURPOSE OR OBJECTIVES: To provide the proper use and management of water resources.

SUBREGION(S): SUBBASIN(S):

- _____ Basinwide
- 2 Upper Missouri
- 7, 8, 9 Yellowstone
- 11, 12 Western Dakotas
- _____ Eastern Dakotas
- 15, 18, 19 Platte Niobrara
- _____ Middle Missouri
- _____ Kansas
- _____ Lower Missouri

LOCATION

STATE(S): Wyoming

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	State	Grant	Local	Other	
Wyoming Game and Fish Dept.					FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Fish and Wildlife Plans Implementation

LEAD AGENCY: Wyoming Game and Fish Department AUTHORITY(S): State Policy

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: Implement elements of strategic plan.

PURPOSE OR OBJECTIVES: Implement fish and wildlife plans.

SUBREGION(S):

SUBBASIN(S):

		Basinwide
2	X	Upper Missouri
7, 8, 9	X	Yellowstone
11, 12	X	Western Dakotas
		Eastern Dakotas
15, 18, 19	X	Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

LOCATION

STATE(S): Wyoming 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	
Wyoming Game and Fish Dept.					FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Fish and Wildlife Plans and Programs

LEAD AGENCY: Wyoming Game and Fish Department AUTHORITY(S): State Policy

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: Develop comprehensive management plan.

PURPOSE OR OBJECTIVES: Prepare strategic plan for fish and wildlife management.

SUBREGION(S): SUBBASIN(S):

- Basinwide
- 2 Upper Missouri
- 7, 8, 9 Yellowstone
- 11, 12 Western Dakotas
- Eastern Dakotas
- 15, 18, 19 Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Wyoming 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	
Wyoming Game and Fish Dept.					FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord Interstate Streams Engineer Address: State Engineer's Office Barrett Building Cheyenne, WY 82002 Phone: FTS 328-9354

NAME OF PROGRAM: North Fork Shoshone River Component 2

LEAD AGENCY: Wyoming Game and Fish Department AUTHORITY(S): Fish Restoration Act Dingell-Johnson

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: Proposed designation as recreational river.

PURPOSE OR OBJECTIVES: Recreational river.

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Park National forest boundary to Buffalo Bill Reservoir

STATEWIDE

FUNDING SOURCE/AGENCY	\$1,000 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	
Wyoming Game and Fish Dept.		1,756			FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Sand Mesa

LEAD AGENCY: Wyoming Game and Fish Department AUTHORITY(S): State Policy

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
- 50 Fish and Wildlife
- 50 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: Improvement of wildlife habitat.

PURPOSE OR OBJECTIVES: Provision of wildlife habitat and irrigation of land to provide wildlife feed.

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Fremont
Boysen Reservoir

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	S	G	L	O	
													r <td>h <td>r <td>o <td>t </td></td></td></td>	h <td>r <td>o <td>t </td></td></td>	r <td>o <td>t </td></td>	o <td>t </td>	t
													e <td>a <td>a <td>a <td>n </td></td></td></td>	a <td>a <td>a <td>n </td></td></td>	a <td>a <td>n </td></td>	a <td>n </td>	n
													c <td>r <td>n <td> <td>e </td></td></td></td>	r <td>n <td> <td>e </td></td></td>	n <td> <td>e </td></td>	<td>e </td>	e
													t <td>(%) <td>t <td>r <td>r </td></td></td></td>	(%) <td>t <td>r <td>r </td></td></td>	t <td>r <td>r </td></td>	r <td>r </td>	r
Wyoming Game and Fish Dept.		1,429											X				

Agency Contact: Clement R. Lord Interstate Streams Engineer Address: State Engineer's Office Barrett Building Cheyenne, WY 82002 Phone: FTS 328-9354

NAME OF PROGRAM: Banjo Flats Watershed

LEAD AGENCY: Wyoming Interdepartmental Water Conference AUTHORITY(S): State Water Plan

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., & Cult.
- Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: Provision for sprinkler irrigation on 10,400 acres of land.

PURPOSE OR OBJECTIVES: Water would be diverted through the Upper Hanover Canal then pumped to lands above the Highland Hanover Canal for sprinkler irrigation application.

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Washakie on Bighorn River

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	
IDWC		12,963			FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Gillette Water Supply

LEAD AGENCY: Wyoming Interdepartmental Water Conference AUTHORITY(S): State Water Plan

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.
- 100 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 water for City of Gillette.

PURPOSE OR OBJECTIVES: Provision for a water supply for the City of Gillette.

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Campbell City of Gillette

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	District	State	Federal	Local	Other
FmHA		3,000													X	
FmHA		4,000														X
Wyoming (IDWC)		15,500														X

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Kaycee Project

LEAD AGENCY: Wyoming Interdepartmental Water Conference AUTHORITY(S): State Water Plan

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
- 75 Irrigation
- Land Conserv. & Mgmt.
- 25 M&I and Rural Water
- Natural, Hist., & Cult.
- Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: The project would involve State acquisition of the Carter-Arco energy company interests in Middle-Fork Reservoir, to provide supplemental water supplies as agreed to under the existing Carter irrigation district contract, plus water for 4,700 additional irrigated acres, (and supplemental water for additional presently irrigated land in the area). Water could also be supplied to towns south and east of Powder River. The industrial water for Carter and Arco would be replaced from the proposed Northeast Wyoming Water Project.

PURPOSE OR OBJECTIVES: Irrigation and municipal and industrial water supply.

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Johnson Northeast Wyoming (Powder River)

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	
IDWC		26,500			FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Middle Fork Powder River Dam and Reservoir

LEAD AGENCY: Wyoming Interdepartmental Water Conference 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
- 25 Irrigation
- Land Conserv. & Mgmt.
- 75 M&I and Rural Water
- Natural, Hist., & Cult.
- Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: 49,000 acre-feet storage, industrial, and W.S. irrigation.

PURPOSE OR OBJECTIVES: Provision of industrial and irrigation water.

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Johnson (Kaycee)

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
IDWC	X			257								X				

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Northeast Wyoming Water Project - Stages 1, 2, & 3

LEAD AGENCY: Wyoming Interdepartmental Water Conference

AUTHORITY(S): State Water Plan

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

DESCRIPTION

SUMMARY: The project would be developed in three stages to keep the investment and adverse effects to a minimum commensurate with needs. The first stage would involve development of a deep well field near Moorcroft to obtain water from the Madison formation, and a pipeline from the field to the regulating reservoir near Gillette. Water would be delivered to users at the reservoir site. The second stage would involve a pumping plant on lower Clear Creek and a pipeline and pumps to move water to the regulatory reservoir. The third stage would involve construction of a 250,000 acre-foot reservoir on lower Clear Creek to firm up supplies for the Clear Creek-Rawhide pipeline and regulating reservoir.

PURPOSE OR OBJECTIVES: A coordinated water supply system for agriculture, industry, recreation, fish and wildlife, and other functions.

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Campbell
Near Gillette and lower Clear Creek

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	Local	Other	
IDWC		163,012			FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Prairie Dog Dam and Reservoir
 LEAD AGENCY: Wyoming Interdepartmental Water Conference AUTHORITY(S): W.S. 41-64

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.
- 100 Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: Water supply for 2,000 MW thermo generation station on the Tongue River and Prairie Dog Creek.

PURPOSE OR OBJECTIVES: Study of water supply for generating plant.

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

LOCATION

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

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	
IDWC					FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord Interstate Streams Engineer Address: State Engineer's Office Barrett Building Cheyenne, WY 82002 Phone: FTS 328-9354

NAME OF PROGRAM: Shoshone Extensions Unit - South

LEAD AGENCY: Wyoming Interdepartmental Water Conference AUTHORITY(S): State Water Plan

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., & Cult.
- Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: The project calls for supplying water to irrigable land totaling 17,270 acres in Shoshone Extension Unit - South. Exchange of water would be supplied to the Greybull Valley Irrigation District, so some of the water supply now available to the district could be used on YU Bench. Required facilities include the 500 cfs Oregon Basin Feeder Canal between the existing Buffalo Bill Reservoir and the proposed Oregon Basin Reservoir; the 400 cfs Dry Creek Canal from the Oregon Basin Reservoir to the lower Greybull Valley; the 292 cfs canal from the Greybull River to YU Bench; and related ditches, laterals, and other structures.

PURPOSE OR OBJECTIVES: Irrigation

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Park Greybull River

STATEWIDE

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

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			
IDWC		42,366			FUNDING NOT SPECIFIED										X				

Agency Contact: Clement R. Lord Address: State Engineer's Office Phone: FTS 328-9354
Interstate Streams Engineer Barrett Building
Cheyenne, WY 82002

NAME OF PROGRAM: State Assistance to Private Water Developments

LEAD AGENCY: Wyoming Interdepartmental Water Conference AUTHORITY(S): State Policy

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: Review of private water development.

PURPOSE OR OBJECTIVES: State assistance to private development.

SUBREGION(S): **SUBBASIN(S):**

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

LOCATION

STATE(S): Wyoming 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	
Private					NO FUNDS SPECIFIED							X					

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Wyoming Statewide 208

LEAD AGENCY: Wyoming Interdepartmental Water Conference

AUTHORITY(S): P.L. 92-500, Section 208, Title II

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
- 100 Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: To provide State's overall management program for water quality in which all local governments of the State participate.

PURPOSE OR OBJECTIVES: Prepare water quality management plan.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
2	X Upper Missouri
7, 8, 9	X Yellowstone
11	X Western Dakotas
	Eastern Dakotas
15, 18, 19	X Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: All areas not designated for areawide 208

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
IDWC	X															

Agency Contact: Paul Schweiger
Water Quality Division

Address: Department of Environmental Quality
Hathaway Building
Cheyenne, WY 82002

Phone: FTS 328-9391

NAME OF PROGRAM: Improved Access and Recreational Facilities at State Reservoirs

LEAD AGENCY: Wyoming Recreation Commission AUTHORITY(S): State Policy

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: Accessibility of water oriented recreation facilities.

PURPOSE OR OBJECTIVES: To encourage the higher use and management of water oriented recreation.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
<u>2</u>	<input checked="" type="checkbox"/> Upper Missouri
<u>7, 8, 9</u>	<input checked="" type="checkbox"/> Yellowstone
<u>11, 12</u>	<input checked="" type="checkbox"/> Western Dakotas
	Eastern Dakotas
<u>15, 18, 19</u>	<input checked="" type="checkbox"/> Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming 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
Wyoming Recreation Comm.												X				

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Yellowstone River Compact Administration Study

LEAD AGENCY: Wyoming State Engineer's Office AUTHORITY(S): Yellowstone Compact

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: Analysis of compact provisions with development of procedures for administration.

PURPOSE OR OBJECTIVES: Study and determination of water allocation.

SUBREGION(S): SUBBASIN(S):

- Basinwide
- Upper Missouri
- 7, 8, 9, 10 Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Yellowstone Basin

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
Wyoming State Engineer					FUNDING NOT SPECIFIED							X				

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: State and Federal Water Marketing in the Missouri River Basin

LEAD AGENCY: Wyoming State Engineer's Office

AUTHORITY(S): State Policy

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
- 25 Irrigation
- Land Conserv. & Mgmt.
- 25 M&I and Rural Water
- Natural, Hist., & Cult.
- 25 Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- 25 Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: Efficient and economic use of State's water resources.

PURPOSE OR OBJECTIVES: To maintain and promote the efficient and economic use of the water resources of the State of Wyoming and to promote water conservation practice.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
<u>2</u>	<input checked="" type="checkbox"/> Upper Missouri
<u>7, 8, 9</u>	<input checked="" type="checkbox"/> Yellowstone
<u>11, 12</u>	<input checked="" type="checkbox"/> Western Dakotas
	Eastern Dakotas
<u>15, 18</u>	<input checked="" type="checkbox"/> Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming 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	
Wyoming State Engineer	X				FUNDING NOT SPECIFIED							X					

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: State Water Planning

LEAD AGENCY: Wyoming State Engineer's Office AUTHORITY(S): State Water Plan

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: State Water Plan preparation.

PURPOSE OR OBJECTIVES: To develop, maintain, and update State Water Plan.

- SUBREGION(S): _____ SUBBASIN(S): _____
- _____ Basinwide
 - 2 Upper Missouri
 - 7, 8, 9 Yellowstone
 - 11, 12 Western Dakotas
 - _____ Eastern Dakotas
 - 15, 18, 19 Platte Niobrara
 - _____ Middle Missouri
 - _____ Kansas
 - _____ Lower Missouri

LOCATION

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

STATEWIDE

FUNDING SOURCE/AGENCY	\$1,000 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
Wyoming State Engineer	X	236.5		736.5	236.5	236.5	236.5	236.5	236.5	236.5		X				

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 326-9354

NAME OF PROGRAM: Computerized Water Resources Data System

LEAD AGENCY: Wyoming Water Resources Research Institute 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: Search out water resources data that are available, but not commonly known to exist.

PURPOSE OR OBJECTIVES: A continuing research program.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
<u>2</u>	<input checked="" type="checkbox"/> Upper Missouri
<u>7, 8, 9</u>	<input checked="" type="checkbox"/> Yellowstone
<u>11, 12</u>	<input checked="" type="checkbox"/> Western Dakotas
	Eastern Dakotas
<u>15, 18, 19</u>	<input checked="" type="checkbox"/> Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming 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
Wyoming State Engineer				20	22							X				

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Environmental Baseline Study

LEAD AGENCY: Wyoming Water Resources Research Institute AUTHORITY(S): State Policy

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
- 50 Instream Flows

DESCRIPTION

SUMMARY: A program to evaluate current and future effects of coal mining.

PURPOSE OR OBJECTIVES: Evaluation of effect of coal mining on water resources.

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Sheridan
 Tongue River (Powder River Basin) near
 future coal mine development
 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
												X				

Agency Contact: Clement R. Lord Interstate Streams Engineer Address: State Engineer's Office Barrett Building Cheyenne, WY 82002 Phone: FTS 328-9354

NAME OF PROGRAM: Importance and Function of Alluvial Valley Floors, Wyoming

LEAD AGENCY: Wyoming Water Resources Research Institute AUTHORITY(S): P.L. 88-379

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. & Agmt.
- M&I and Rural Water
- Natural, Hist., & Cult.
- Power and Energy
- Recreation
- Transportation
- 100 Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: Examine hydrologic, soils, and vegetative interrelationships.

PURPOSE OR OBJECTIVES: Importance of alluvial valley floors.

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

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Sheridan
Sweetwater
Natrona
Tongue River and two additional sites to be selected

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
EPA		500	334	166										100%		

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Legal Aspects of Water Resource Use

LEAD AGENCY: Wyoming Water Resources Research Institute 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.
- 50 Legal and Institutional
- 50 Instream Flows

DESCRIPTION

SUMMARY: Add to the general knowledge of water law.

PURPOSE OR OBJECTIVES: Review water law.

SUBREGION(S):

 2 _____ X
 7, 8, 9 _____ X
 11, 12 _____ X
 _____ Eastern Dakotas
 15, 18, 19 _____ X
 _____ Middle Missouri
 _____ Kansas
 _____ Lower Missouri

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Wyoming and Colorado River Basin

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	State	Grant	Local	Other
EPA		16.7		16.7	16.7	16.7										100%

Agency Contact: Clement R. Lord
 Interstate Streams Engineer

Address: State Engineer's Office
 Barrett Building
 Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Research in Water and Related Land Resources Planning

LEAD AGENCY: Wyoming Water Resources Research Institute

AUTHORITY(S): Water Resources Research Act of 1964; P.L. 88-379

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: Research in water and related land resources planning.

PURPOSE OR OBJECTIVES: To further practices available for planning for water and related land resources utilization and development.

SUBREGION(S):

SUBBASIN(S):

		Basinwide
2	X	Upper Missouri
7, 8, 9	X	Yellowstone
11, 12	X	Western Dakotas
		Eastern Dakotas
15, 18, 19	X	Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

LOCATION

STATE(S): Wyoming

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	
OWRT					FUNDING NOT SPECIFIED									100%			

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Water Requirements for Urban Lawns

LEAD AGENCY: Wyoming Water Resources Research Institute AUTHORITY(S): P.L. 88-379

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.
- 50 M&I and Rural Water
- Natural, Hist., & Cult.
- Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: Obtain data concerning urban lawn water usage.

PURPOSE OR OBJECTIVES: Determination of special water use.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
8, 9	X Yellowstone
11, 12	X Western Dakotas
	Eastern Dakotas
15, 18, 19	X Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming
Colorado

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	
OWRT		131.9			FUNDING NOT SPECIFIED									100%			

Agency Contact: Clement R. Lord
Interstate Streams Engineer

Address: State Engineer's Office
Barrett Building
Cheyenne, WY 82002

Phone: FTS 328-9354

NAME OF PROGRAM: Water Requirements of Urban Lawns

LEAD AGENCY: Colorado Water Resources Research Institute AUTHORITY(S): P.L. 88-379

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., & Cult.
- Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: To improve evapotranspiration estimates for urban environment.

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S): Colorado
Wyoming

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
Federal (OWRT)			26,610	13,305										X		
Colorado/Wyoming			26,692	13,345									X			

Agency Contact: Fred E. Daubert
Water Conservation Board

Address: Room 823, 1313 Sherman St.
Denver, CO 80203

Phone: (303) 839-3441

NAME OF PROGRAM: Tongue-Powder Special Study

LEAD AGENCY: Montana Department of Natural Resources and Conservation AUTHORITY(S): State Policy

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: Determination of the extent of water use.

PURPOSE OR OBJECTIVES: Discuss water development with Wyoming and Indian Tribes.

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Montana
Wyoming

COUNTY(S)/VICINITY: Big Horn
Rosebud
North Cheyenne Indian Reservation
Crow Indian Reservation

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	State	Grant	Local	Other
Montana DNRC		20	10	10								X				

Agency Contact: Gary Fritz
D. Scott Brown
Montana DNRC

Address: 32 South Ewing
Helena, MT 59601

Phone: 449-2872

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

	-----Estimated Program Funding in Thousand Dollars*-----				
	Budgeted FY 79	-----Estimated Field Requirements-----			
		FY 80	FY 81	FY 82	FY 83
Agriculture, Dept (USDA)	23138	11050	6257	6549	7458
Econ, State & Coop Ser (ESCS)	86	71	--	--	--
Farmers Home Admin (FmAH)	18886	5190	--	--	--
Forestry Ser (FS)	2141	3811	4928	6039	7148
Science & Ed Admin (SEA)	411	--	--	--	--
Soil Conser Ser (SCS)	1614	1978	1329	510	310
Army, Dept (USDOA)	5163	2762	3864	2406	2406
Eng, Corps of (COE)	5163	2762	3864	2406	2406
Commerce, Dept (USDOC)	659	625	625	625	625
Econ Devel Admin (EDA)	NONE REPORTED				
Environ Data Ser (EDS)	34	--	--	--	--
Nat'l Weather Ser (NWS)	625	625	625	625	625
Old West Reg Comm (OWRC)	NONE REPORTED				
Energy, Dept (USDOE)	680	1352	904	814	506
Energy Res & Devel Admin (ERDA)	20	--	--	--	--
Fed Energy Reg Comm (FERC)	13	13	13	13	13
Environ Protect Agency (EPA)	30256	400	400	400	400
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 (USDOEI)	15296	31833	35761	36490	17536
Bur of Indian Affairs (BIA)	1373	9390	9363	9378	352
Bur of Land Mgmt (BLM)	2253	3944	3079	1980	3311
Bur of Reclamation (BR)	9890	18361	23181	25059	13795
Bur of Mines (BOM)	117	130	130	65	70
Fish & Wildlife Ser (FWS)	NONE REPORTED				
Geological Survey (GS)	1530	--	--	--	--
Heritage Conser & Rec Ser (HCRS)	8	8	8	8	8
Nat'l Park Ser (NPS)	125	--	--	--	--
Office of Water Res & Tech (OWRT)	NONE REPORTED				
Transportation, Dept (USDOT)	NONE REPORTED				
TOTAL	75192	48022	47811	47284	28931

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

≠ Some Funding Direct to USDOE

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

	-----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)	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)	NONE REPORTED				
Eng, Corps of (COE)	NONE REPORTED				
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				
Q 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 (USDO I)	4334	7296	1006	595	332
Bur of Indian Affairs (BIA)	NONE REPORTED				
Bur of Land Mgmt (BLM)	NONE REPORTED				
Bur of Reclamation (BR)	436	501	101	590	227
Bur of Mines (BOM)	NONE REPORTED				
Fish & Wildlife Ser (FWS)	NONE REPORTED				
Geological Survey (GS)	NONE REPORTED				
Heritage Conser & Rec Ser (HCRS)	13	13	5	5	5
Nat'l Park Ser (NPS)	2617	--	--	--	--
Office of Water Res & Tech (OWRT)	1268	6782	--	--	--
Transportation, Dept (USDOT)	NONE REPORTED				
TOTAL	4334	7296	1006	595	332

*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 WYOMING

	-----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)	1228	670	148	142	161	1390	2675	3513	4345	5177	20520	7705	2596	2062	2120
Econ, Stat & Coop Ser (ESCS)	71	71	--	--	--	15	--	--	--	--	NONE REPORTED	NONE REPORTED	--	--	--
Farmers Home Admin (FmHA)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				18886	5190	--	--	--
Forestry Ser (FS)	68	104	123	142	161	1195	2365	3203	4035	4867	878	1342	1602	1862	2120
Science & Ed Admin (SEA)	411	--	--	--	--	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Soil Conser Ser (SCS)	678	495	25	--	--	180	310	310	310	310	756	1173	994	200	--
Army, Dept (USDOA)	NONE REPORTED	NONE REPORTED				10	10	--	--	--	5153	2752	3864	2406	2406
Eng, Corps of (COE)	NONE REPORTED	NONE REPORTED				10	10	--	--	--	5153	2752	3864	2406	2406
Commerce, Dept (USDOC)	34	--	--	--	--	NONE REPORTED	NONE REPORTED				625	625	625	625	625
Econ Devel Admin (EDA)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Environ Data Ser (EDS)	34	--	--	--	--	NONE REPORTED	NONE REPORTED				625	625	625	625	625
Nat'l Weather Ser (NWS)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				625	625	625	625	625
Old West Reg Comm (OWRC)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Energy, Dept (USDOE) †	660	1352	904	814	506	20	--	--	--	--	NONE REPORTED	NONE REPORTED			
Energy Res & Devel Admin (ERDA)	NONE REPORTED	NONE REPORTED				20	--	--	--	--	NONE REPORTED	NONE REPORTED			
Fed Energy Reg Comm (FERC)	13	13	13	13	13	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Environ Protect Agency (EPA)	17	--	--	--	--	531	400	400	400	400	29708	--	--	--	--
Health, Ed, & Welfare, Dept (USHEW)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Indian Health Ser (IHS)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Housing & Urban Devel, Dept (USDHUD)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Fed Insur Agency (FIA)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Interior, Dept (USDO I)	5724	5523	4993	3500	3259	4942	10305	3737	3664	3542	4630	16005	27031	29326	10735
Bur of Indian Affairs (BIA)	703	326	338	350	262	NONE REPORTED	NONE REPORTED				670	9064	9025	9028	90
Bur of Land Mgmt (BLM)	2008	3627	2885	1450	2997	245	317	194	530	314	NONE REPORTED	NONE REPORTED			
Bur of Reclamation (BR)	1600	1500	1700	1700	--	4401	9926	3481	3067	3156	3889	6935	18000	20292	10639
Bur of Mines (BOM)	67	70	70	--	--	50	60	60	65	70	NONE REPORTED	NONE REPORTED			
Fish & Wildlife Ser (FWS)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Geological Survey (GS)	1336	--	--	--	--	194	--	--	--	--	NONE REPORTED	NONE REPORTED			
Heritage Conser & Rec Ser (HCRS)	NONE REPORTED	NONE REPORTED				2	2	2	2	2	6	6	6	6	6
Nat'l Park Ser (NPS)	10	--	--	--	--	50	--	--	--	--	65	--	--	--	--
Office of Water Res & Tech (OWRT)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
Transportation, Dept (USDOT)	NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED				NONE REPORTED	NONE REPORTED			
TOTAL	7663	7545	6045	4456	3926	6893	13390	7650	8409	9119	60636	27087	34116	34419	15886

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

† Includes Funding Direct To USDOE

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

	-----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)	NONE REPORTED														
Eng, Corps of (COE)	NONE REPORTED														
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 (USDO I)	59	6782	--	--	--	449	514	1006	595	332	3826	--	--	--	--
Bur of Indian Affairs (BIA)	NONE REPORTED														
Bur of Land Mgmt (BLM)	NONE REPORTED														
Bur of Reclamation (BR)						436	501	1001	590	227	NONE REPORTED				
Bur of Mines (BOM)	NONE REPORTED														
Fish & Wildlife Ser (FWS)	NONE REPORTED														
Geological Survey (GS)	NONE REPORTED														
Heritage Conser & Rec Ser (HCRS)						13	13	5	5	5	NONE REPORTED				
Nat'l Park Ser (NPS)						NONE REPORTED					2617	--	--	--	--
Office of Water Res & Tech (OWRT)	59	6782	--	--	--	NONE REPORTED					1209	--	--	--	--
Transportation, Dept (USDOT)	NONE REPORTED														
TOTAL	59	6782	--	--	--	449	514	1006	595	332	3826	--	--	--	--

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

NAME OF PROGRAM: CCJP Development and Related Programs

LEAD AGENCY: Missouri River Basin Commission AUTHORITY(S): PL 89-80

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

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
MRBC	Cont.	353.6	550.5	481	366	501					Cont.					

Agency Contact: Carroll Hamon Address: Missouri River Basin Commission Phone: 402-397-5714
Director of Planning 10050 Regency Circle, Suite 403
Omaha, NE 68114

NAME OF PROGRAM: Coordination and Program Review

LEAD AGENCY: Missouri River Basin Commission AUTHORITY(S): PL 89-80

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

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 \$1,000										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
MRBC	Cont.		117	145	150	160	170									

Agency Contact: Carroll Hamon
Director of Planning

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

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											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	
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

NAME OF PROGRAM: Priorities Program

LEAD AGENCY: Missouri River Basin Commission AUTHORITY(S): PL 89-80

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 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.

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
MRBC			40	50	55	60	65									

Agency Contact: Carroll Hamon
Director of Planning

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

Phone: 402-397-5714

NAME OF PROGRAM: Western Coal Planning Assistance

LEAD AGENCY: Missouri River Basin Commission 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 assistance to state, regional and local planners and decision makers in determining the tools, information and procedures needed to adequately assess the impacts associated with Western Coal development.

SUBREGION(S):

SUBBASIN(S):

_____	_____	Basinwide
<u>5,6</u>	<u>X</u>	Upper Missouri
<u>7,8,9,10</u>	<u>X</u>	Yellowstone
<u>11,12,13</u>	<u>X</u>	Western Dakotas
_____	_____	Eastern Dakotas
_____	_____	Platte Niobrara
_____	_____	Middle Missouri
_____	_____	Kansas
_____	_____	Lower Missouri

LOCATION

STATE(S): Montana
North Dakota
Wyoming

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	State	Grant	Local	Other	
MRBC		350	350														

Agency Contact: Carroll Hamon
Director of Planning

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

Phone: 402-397-5714

NAME OF PROGRAM: Economic Analysis of the Impact of Coal and Oil State Development on Environmental Quality in Rural Areas

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

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

DESCRIPTION

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:

LOCATION

STATE(S):

COUNTY(S)/VICINITY:

STATEWIDE

SUBREGION(S):

SUBBASIN(S):

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

*EPA funds transferred to ESCS

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
ESCS		72.0	56.0	8.0	8.0						8.0					
EPA *		1060.0	700.0	180.0	180.0						180.0					

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:

NAME OF PROGRAM: Efficiency of Energy and Water Use in Irrigated Agriculture

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

DESCRIPTION

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.

PURPOSE OR OBJECTIVES:

- SUBREGION(S): _____ SUBBASIN(S): _____
- _____ Basinwide
 - _____ Upper Missouri
 - _____ Yellowstone
 - _____ Western Dakotas
 - _____ Eastern Dakotas
 - 15,18,19,20,21,22 Platte Niobrara
 - _____ Middle Missouri
 - 25,26,27 Kansas
 - _____ Lower Missouri

LOCATION

STATE(S): Colorado
Nebraska
Kansas
Wyoming

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
ESCS		156.0	52.0	52.0	52.0						52.0	X				

Agency Contact: Norman E. Landgren
Leader, GPRPG
ESCS

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

Phone:

NAME OF PROGRAM: Platte Cooperative River Basin Study Wyoming

LEAD AGENCY: Department of Agriculture/Economics, Statistics, and Cooperative Service (ESCS) AUTHORITY(S): P.L. 83-566, Sec. 6

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 develop a USDA plan for the conservation, management and development of water and related land resources in the Platte River Basin in Wyoming.

- SUBREGION(S): _____ SUBBASIN(S): _____
- _____ Basinwide
 - _____ Upper Missouri
 - _____ Yellowstone
 - _____ Western Dakotas
 - _____ Eastern Dakotas
 - 15, 18, 19 Platte Niobrara
 - _____ Middle Missouri
 - _____ Kansas
 - _____ Lower Missouri

LOCATION

STATE(S): Wyoming

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	
ESCS		216.0	201.0	15.0													X

Funds transferred to ESCS from SCS at Washington level.
 Agency Contact: Norman Landgren NRED, ESCS, USDA Address: _____ Phone: _____

NAME OF PROGRAM: Water Assessment of Coal Technologies in the Yellowstone River Basin

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

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.
- 100 Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: To provide recommendations concerning problems and issues relating to water and energy.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

- Basinwide
- Upper Missouri
- 7, 8, 9, 10 Yellowstone
- 11, 12, 13 Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Montana
North Dakota
South Dakota
Wyoming

COUNTY(S)/VICINITY:

STATEWIDE

*Funds transferred to ESCS from MRBC by LOA

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	
MRBC *	X	15.0	12.0	3.0													X

Agency Contact: Norman E. Landgren
U.S. Department of Agriculture
ESCS

Address: 100 Centennial Mall North, Room 485
U.S. Federal Building & 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

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

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		
FmHA												
Colorado				21,233.1	16,598							
Iowa				92,151	78,727							
Kansas					24,779							
Minnesota		13,456		3,056	6,800						6,800	
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							

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

WYOMING

1. Pending

<u>Project Name</u>	<u>Location</u>	<u>FmHA Total Funds</u>
Air Base Acres Water Assoc. Rural Water System	Natron County	139.9
Clearmont Rural Water System	Sheridan County	250
Dayton Rural Water System	Sheridan County	250
LaGrange Rural Water System	Goshen County	580
Lucerne Water & Sewer District	Hot Springs County	300
Lusk Rural Water System	Niobrara County	300
McKinney Homeowners Association	Campbell County	6
Midwest & Edgerton Rural Water System	Natrona County	3,700 to 4,600
Mills Rural Water System	Natrona County	1,200
Red Butte Village Improvement Assoc.	Natrona County	250
Saratoga Rural Water System	Carbon County	1,340

2. Processed

<u>Project Name</u>	<u>Location</u>	<u>FmHA Total Funds</u>
Encampment Rural Water System	Carbon County	401.8
Indian Springs Improvement & Service District	Natrona County	300
Lovell Rural Water System	Big Horn County	2,400
Pine Bluffs Rural Water System	Laramie County	275.8

3. Approved

<u>Project Name</u>	<u>Location</u>	<u>FmHA Total Funds</u>
Baggs Rural Water System	Carbon County	149
Deaver Rural Water System	BigHorn County	105
Dixon Rural Water System	Carbon County	100
Dubois Rural Water System	Fremont County	148.2
Encampment Rural Water System	Carbon County	256
Evansville Rural Water System	Natrona County	1,325.6
Gillette Rural Water System	Campbell County	7,500
Granger Rural Water System	Sweetwater County	500
Hanna Rural Water System	Carbon County	1,000.6
Kaycee Rural Water System	Johnson County	110
Lander Rural Water System	Fremont County	500
Medicine Bow Rural Water System	Carbon County	1,992.8
Ranchester Rural Water System	Sheridan County	251
Rawlins Rural Water System	Carbon County	412.8
Sunburst Water & Sewer District	Campbell County	436.8
Tensleep Rural Water System	Washakie County	368
Worland Rural Water System	Washakie County	1,054.5

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 Institutional
- 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/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		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

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 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										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
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., & Cult.
- Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY:

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

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
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	Direct	Share (%)	Grant	Loan	Other
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 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	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
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 Forester

Address: USDA Forest Service
Box 25127
Lakewood, CO 80225

Phone: FTS 234-3711

NAME OF PROGRAM: Nez Perce National Scenic Trail Study, Montana - Wyoming

LEAD AGENCY: United States Department of Interior/Forest Service (FS)

AUTHORITY(S): P.L. 94-527

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 starting date for this study is tentatively August 1978.

PURPOSE OR OBJECTIVES: The primary purpose for the enactment of the National Trails System Act of 1968 was to establish a national system of recreational and scenic trails in order to meet some of the outdoor recreation needs of America's expanding population and in order to promote public access to, travel within, and enjoyment and appreciation of the open-air, outdoor areas of the Nation.

SUBREGION(S):

SUBBASIN(S):

- Basinwide
- 2, 4, 5 Upper Missouri
- 7, 8, 10 Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Montana Wyoming

COUNTY(S)/VICINITY: Trail passes through numerous counties in Montana and Wyoming

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

Agency Contact: Charles Adams National Park Service

Address: P.O. Box 25287 Denver, CO 80225

Phone: FTS 234-4943

NAME OF PROGRAM: Research Programs

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

DESCRIPTION

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.

PURPOSE AND OBJECTIVES:

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

LOCATION

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

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	e	t		r
t	(%)			

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			
Basin States					6.4														

Agency Contact: Thomas J. Thiel Address: North Central Region Phone: FTS 360-7168
Program Analyst
Program Planning & Review
Science & Education Administration
2000 W. Pioneer Parkway
Peoria, IL 61614

SCIENCE AND EDUCATION ADMINISTRATION

FEDERAL RESEARCH PROGRAMS

STATE OF Wyoming

<u>Program Title</u>	<u>Funding FY 1979</u>
Water Use Efficiency on Range and Disturbed Lands of the Northern Plains	56,414
Increase Efficiency of Water Use For Forage Production in the Central High Plains	98,893
Chemistry & Soil-Water-Plant Relationships of Disturbed Lands and Their Effects on Revegetation	255,717

NAME OF PROGRAM: Conservation Operation
 LEAD 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	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			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: Cooperative River Basin Studies

LEAD AGENCY: United State 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
- 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: State sponsored study of water and related land resources.

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): Wyoming 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	
SCS (Platte River Basin)		594	500	90.0													
SCS (Irrigation Rehab.)		1000	---	---	155	155	155	155	155	155	70						

Agency Contact: Stewart Jesse (SCS)

Address: Federal Bldg. Rm. 345
100 Centennial Mall N.
Lincoln, NE 68508
P.O. Box 2440
Casper, WY 82602

Phone: FTS 541-5311

Ronnie L. Clark (USDA/SCS)

FTS 328-5210

NAME OF PROGRAM: North Platte River Basin/Type IV

LEAD AGENCY: United State 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
- 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: State sponsored study of water and related land resources.

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): Wyoming 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	
SCS				62.5													

Agency Contact: Ronnie L. Clark

Address: U.S. Dept. of Agriculture
Soil Conservation Service
P.O. Box 2440
Casper, WY 82602

Phone: (307) 265-5550

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	Direct	Share (%)	Grant	Loan	Other
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 547-5311

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											Funding Source					
	Cont.	Total	78 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	Direct	Share	Grant	Loan	Other	
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>Wyoming Counties</u>	<u>Annual Funding</u>
Heart Mountain Estates	Yellowstone, 08.	\$21,000
Hidden Valley	Yellowstone, 08.	-
lateral 108 Watershed	Yellowstone, 08.	-
Pathfinder Watershed	Platte-Niobrara 18.	-
Southwestern Wyoming Black Hills Area	Platte-Niobrara 18. Laramie, Platte, Goshen, Converse, Crook, Weston, Niobrara, Fremont, Washakie, Hot Springs, Big Horn, Park	\$250,000

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):
 _____ X 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
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): PL83-566 Watershed Protection & Flood Prevention Act of 1954.

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 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 Statewide	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	Direct	Share (%)	Grant	Loan	Other	
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 Jessee

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

Phone: FTS 541-5311

2

SCS
WATERSHED PLANNING AND PROTECTION PROGRAMS

Wyoming

Operational

<u>Project</u>	<u>Location</u>	<u>Total Cost</u>	<u>Schedule</u>	<u>Features</u>
Cabin Creek	Yellowstone 09	\$397,000	By 1985	Irrigation Flood Control Multipurpose Dam
Crooked Creek	Yellowstone 09	\$317,000	By 1985	Irrigation
Cyclone Bar	Yellowstone 08	\$285,000	By 2000	Irrigation Floodcontrol
Douglas Watershed	Platte-Niobrara 18	\$1,200,000	1980-1981	3 Flood Struct. Pipelines Channels
Gooseberry Creek	Converse Yellowstone 08	\$1,123,000	By 1985	Irrigation Resovoir
Lateral R-9N Improvement	Yellowstone 08	\$333,000	BY 1979	Irrigation
Lower Greybull River	Yellowstone 08	\$2,633,000	By 2000	Drainage
Middle Fork Crazy Woman	Yellowstone 08	\$2,180,000	By 1985	Irrigation Water Storage Flood Control Recreation
Sage Creek Prior Mountain	Yellowstone 08	\$1,362,000	By 2000	Irrigation Resovoir
Sidon Canal Rehabilitation	Yellowstone 08	\$2,640,000	By 1985	Irrigation
South Tongue Watershed	Yellowstone 08,09	\$4,787,000	By 1985	Irrigation Recreation
Upper North Laramie	Yellowstone Platte-Niobrara 08,18 Freemont, Park Goshen	\$1,000,000	By 1979	Multipurpose Resovoir

NAME OF PROGRAM: Soil Surveys

LEAD AGENCY: U.S. Department of Agriculture (USDA) Soil Conservation Service (SCS) AUTHORITY(S): Soil Conservation 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.
- MAI 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	Direct	Share (%)	Grant	Loan	Other
Colorado - SCS	X		1198	1348	(Statewide)							X				
Iowa - SCS	X		600	1002	200	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, SCS

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

Phone: FTS 541-5311

NAME OF PROGRAM: Snow Survey
 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
- 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: Snow Survey water forecasting from basic data collected to provide estimates of water availability from snowpacks and relating this to runoff and streamflows.

PURPOSE OR OBJECTIVES:

SUBREGION(S):	SUBBASIN(S):
	Basinwide
<u>2,3,4,5,6</u>	<input checked="" type="checkbox"/> Upper Missouri
<u>7,8,9,10</u>	<input checked="" type="checkbox"/> Yellowstone
	Western Dakotas
	Eastern Dakotas
<u>18,19</u>	<input checked="" type="checkbox"/> Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Colorado
 Montana
 Wyoming

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
SCS Colorado			242	221												
SCS Montana			188	184	147	147										
SCS Wyoming			132	113	120											

Agency Contact: Stewart Jesse (SCS)

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

Phone: FTS 541-5941

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																
North Dakota																
South Dakota																
Wyoming																

Agency Contact: Stewart Jesse (SCS)

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

Phone: FTS 641-5311

NAME OF PROGRAM: Assistance to State Water Planning

LEAD 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 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 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): 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	Direct	Share (%)	Grant	Loan	Other
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 Swagle

Address: Kansas City, Missouri
 Tulsa, Oklahoma
 Sacramento, California
 Salt Lake City, Utah
 Omaha, NE

Phone: FTS-758-3674
 FTS-736-7314
 FTS-448-2524
 FTS-558-4264
 FTS-864-4603

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

- 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
- 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):**
- 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
Corps of Engineers	X			245	264	264	264	264	264							

Agency Contact: Don Hammond, COE
James Vodicka

Address: Kansas City, Missouri
Omaha, Ne

Phone: FIS 758-2504
FIS 864-4581

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

- 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
- 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):

- 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

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	Local	Other
Corps of Engineers	X			127	185							X				

Agency Contact: Art Jensen

Address: Omaha, Nebraska

Phone: FTS 864-4602

NAME OF PROGRAM: National Dam Safety Program
 LEAD AGENCY: Corps of Engineers (COE) AUTHORITY(S): PL-92-367

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
- 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: Program is two fold:
 (1) Update national dam inventory
 (2) Fund and administer the inspection of approximately 9000 non-federal dams in high-hazard potential category for downstream damage.

PURPOSE OR OBJECTIVES: To identify potentially hazardous dams so that repairs, modifications or more detailed studies may be made to reduce the risks.
 Dams inspected by state as follows:

	FY-1978	FY1979
Colorado	82	40
Nebraska	20	30
North Dakota	20	15
South Dakota	19	40
Wyoming	19	20
Iowa		
Montana		
Kansas	65	35

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

LOCATION

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

COUNTY(S)/VICINITY:

STATEWIDE

Funding Source

D	S	G	L	O
ir	h	g	l	o
re	a	r	a	t
ct	r	a	n	h
t	e	n	n	e
	(%)	t		

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		D	S	G	L	O
COE - Omaha District	X			597	776	450	NA	NA				X				
COE - Kansas City District	X		522	677	265	265										
COE - Missouri		466	70	198	198											
COE - St. Louis District																

Agency Contact: CE
 Bob Dimmit, CE
 Foundation & Materials Branch
 Jerry Phelan
 Hokens, DE

Address: Omaha, Nebraska
 Kansas City, Missouri
 St. Louis, Missouri
 Omaha, NE

Phone: FTS 864-4579
 FTS 758-2055
 FTS 278-2814
 FTS 864-4444

NAME OF PROGRAM: Section 158 Water Resources Development Act of 1976

LEAD AGENCY: Corps of Engineers (COE)

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

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
- 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):
- 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
Corps of Engineers			10	10	10							X				

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

R

NAME OF PROGRAM: Section 167 Water Resources Development Act of 1976

LEAD AGENCY: Corps of Engineers (COE)

AUTHORITY(S): Water Resources Development Act of 1976

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.
- 100 Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

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 hydroelectric 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):

- 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	
Corps of Engineers			10,000	* (to be determined by													X

Agency Contact: Paul Jensen
Basin Planning Branch
Howard Thelen

Address: Kansas City, Missouri
Omaha, NE

Phone: FTS 758-3062
FTS 864-4432

R

NAME OF PROGRAM: Section 208 of Flood Control Act of 1954

LEAD AGENCY: Corps of Engineers (COE)

AUTHORITY(S): PL-780 Flood Control 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
- 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):**
- 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
COE	X			20	20	20	20	20				X				

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

- 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. & Agmt.
- 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(S):**
- 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

Funding Source				
D	S	G	L	O
r	h	r	o	t
e	a	a	a	h
c	r	n	n	e
t	e	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		
Corps of Engineers	X			3,958	2,140	2,140	2,140	2,140	2,140			X

Agency Contact: Mej Jewett, COE Address: Kansas City, Missouri Phone: FTS 864-4133
Regulatory Functions Branch Omaha, NE

NAME OF PROGRAM: Supplemental recreation facilities at Corps of Engineers Reservoir

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 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: Upgrading of previously constructed recreational facilities at 11 operating lake projects in 4 states:

- 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.

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S):

- Iowa
- Kansas
- Missouri
- Nebraska
- Montana
- 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	Direct	Share	Grant	Loan	Other
Corps of Engineers		6895	4614	557	124	1600						X				

Agency Contact: Jerry Britton, COE Design Branch Jim Scripser

Address: Kansas City, Missouri Omaha, NE

Phone: FTS 758-5552 FTS 864-4468

NAME OF PROGRAM: Agricultural Weather Service

LEAD AGENCY: United States Department of Commerce/National Weather Service (NWS) 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: Provide agriculture with specialized weather services including observations, forecasts, and warnings to improve agricultural efficiency.

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
NWS	X	165		101	165	165	165	165	165	165						

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

NAME OF PROGRAM: Aviation Weather

LEAD AGENCY: United States Department of Commerce/National Weather Service (NWS) 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: Provide aviation area route and terminal forecast information for safe and efficient operation.

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
NWS	X	2,050		2,050	2,050	2,050	2,050	2,050	2,050	2,050						

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

NAME OF PROGRAM: Basic Observations

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

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	State	Grant	Local	Other
NWS	X	4,300		4,300	4,300	4,300	4,300	4,300	4,300	4,300						

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

NAME OF PROGRAM: National Weather Service Central Region, Engineering, Communications, Facilities, Support and Program Management

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

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
NWS	X	4,785		4,785	4,785	4,785	4,785	4,785	4,785	4,785						

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

R

NAME OF PROGRAM: Public Weather

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

- 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
NWS	X	3,250		3,250	3,250	3,250	3,250	3,250	3,250	3,250						

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

NAME OF PROGRAM: River and Flood Forecasting and Warning

LEAD AGENCY: United States Department of Commerce/National Weather Service (NWS) 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: Provide river and flood forecasts and flood warnings to the public and water operational agencies.

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 \$1,000											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
NWS		600														

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

NAME OF PROGRAM: Development of a Public Education Program in Water Resource Management

LEAD AGENCY: Old West Regional Commission (OWRC) AUTHORITY(S): 1965 Public Works and Economic Development Act

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
- 2, 3, 4, 5, 6 Upper Missouri
- 7, 8, 9, 10 Yellowstone
- 11, 12, 13, 14, 15 Western Dakotas
- 16, 17 Eastern Dakotas
- 18, 20, 21, 22 Platte Niobrara
- Middle Missouri
- 27 Kansas
- Lower Missouri

LOCATION

STATE(S): Montana
Nebraska
North Dakota
South Dakota
Wyoming

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	State	Grant	Local	Other	
OWRC		130,202															

Agency Contact: Laura Schillinger Information Technician Address: Hedden-Empire Building Suite 228 Billings, MT 59101 Phone: (406) 657-6665

NAME OF PROGRAM: Longitudinal Socioeconomic Monitoring System

LEAD AGENCY: Old West Regional Commission (OWRC) 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: Relationship between employment and population increased a socioeconomic change; to compare actual changes with projected changes; to analyze measured changes to identify attributable factors.

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

LOCATION

STATE(S): Montana
Nebraska
North Dakota
Wyoming

COUNTY(S)/VICINITY: Wheatland
Kimball
McLean
Platte

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
OWRC		173.5	155.6								17.9					

Agency Contact: Laura Schilling
Information Technician

Address: Hedden-Empire Building
Suite 228
Billings, MT 59101

Phone: (406) 657-6665

NAME OF PROGRAM: Old West Regional Range Program

LEAD AGENCY: Old West Regional Commission (OWRC) 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: Provide funds not now available for accelerating range management education; provide the coordination of effort to attain the outlined goals in the allocated time frame; provide the impetus to carry on a successful and lasting program; gain public recognition of the value of the rangeland resource.

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

LOCATION

STATE(S): Montana
Nebraska
North Dakota
South Dakota
Wyoming

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
OWRC		512.2	203.2								309			X		

Agency Contact: Laura Schillinger
Information Technician

Address: Hedden-Empire Building
Suite 228
Billings, MT 59101

Phone: (406) 657-1

NAME OF PROGRAM: Study of Power Plant Plumes

LEAD AGENCY: Old West Regional Commission (OWRC) AUTHORITY(S): P.L. 89-136

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: Plants researched indicate no significant effect.

PURPOSE OR OBJECTIVES: Determine power plant plumes composition, transportation, and dispersion and possible modification of weather on the meso scale.

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S): Montana
Wyoming

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	Local	Other
OWRC		75.0														

Agency Contact: Laura Schilling
Information Technician

Address: Hedden-Empire Building
Suite 228
Billings, MT 59101

Phone: (406) 657-666

NAME OF PROGRAM: Rural Water Systems

LEAD AGENCY: Old West Regional Commission (OWRC) 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: Provide regional planning team expertise regarding preliminary feasibility report to landing institutions regarding evaluation and funding rural water delivery systems.

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Montana
 Nebraska
 North Dakota
 South Dakota
 Wyoming

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
OWRC		342.7	65								277.7					

Agency Contact: Laura Schilling Information Technician Address: Hedden-Empire Building Suite 228 Billings, MT 59101 Phone: (406) 657-61

NAME OF PROGRAM: West River Aqueduct Feasibility Study

LEAD AGENCY: Old West Regional Commission (OWRC) AUTHORITY(S): 1965 Public Works and Economic Development Act

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.
- 60 M&I and Rural Water
- Natural, Hist., & Cult.
- 40 Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: The objectives of the feasibility study are to: (1) conduct a comprehensive water supply needs survey to determine the quantity of water required to meet the present and future demands within the project area; (2) develop a conceptual design for a project based on criteria reflective of the needs of the area; (3) evaluate the potential economic, social, and environmental impacts of a project would have on the area and the region; (4) examine the engineering and financial feasibility of a project; (5) investigate possible funding alternatives and recommend a financing plan if a project is found to be feasible; (6) coordinate efforts by Federal, regional, State, county, and local groups throughout development of the concept; (7) develop a follow-up plan of action to be pursued if a project is found to be feasible; and (8) determine the legal and institutional arrangements necessary to implement the follow-up plan.

SUBREGION(S):

- SUBBASIN(S):**
- Basinwide
 - Upper Missouri
 - Yellowstone
 - 12, 14 Western Dakotas
 - Eastern Dakotas
 - Platte Niobrara
 - Middle Missouri
 - Kansas
 - Lower Missouri

LOCATION

STATE(S): South Dakota COUNTY(S)/VICINITY: Wyoming

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
OWRC		280,000														
South Dakota Dept. of Nat. Res. Div.		40,000														
Wyoming State Eng. & Other																

Agency Contact: Laura Schillinger
Information Technician

Address: Hedden-Empire Building
Suite 228
Billings, MT 59101

Phone: (406)657-6665

NAME OF PROGRAM: National Uranium Resource Evaluation
 LEAD AGENCY: Department of Energy (DOE) AUTHORITY(S): P.L. 95-96

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 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

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

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		
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	5,779	3,410				

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: Basic Planning Support

LEAD AGENCY: U.S. Department of Energy (DOE)/Federal Energy Regulatory Commission (FERC) 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.
- 100 Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: Basic planning support for action agencies.

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	
FERC	X		13	13	13	13	13										

Agency Contact: Bernard Murphy
Regional Engineer

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

Phone: FTS 353-6171

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	Direct	Share (%)	Grant	Loan	Other
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										Bal. to Complete	Funding Source				
	Cont.	Total	1978 To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85		Direct	Share (%)	Grant	Loan	Other
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 Hirt

Region VIII, Denver
Region V, Chicago

FTS 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	ESTIMATED PROGRAM FUNDING											Funding Source				
	Cont.	Total	7R Budget	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	Direct	Share (%)	Grant	Loan	Other
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

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
02	X	Upper Missouri
07, 08, 09	X	Yellowstone
11, 12	X	Western Dakotas
		Eastern Dakotas
15, 18, 19	X	Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

LOCATION

STATE(S): Wyoming 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
EPA - Wyoming				264								X				
Wyoming - Federally administered																

Agency Contact: Gene Reetz Address: Region VIII Phone: 327-3880
 Environmental Protection Agency Denver, Colorado

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/AGENCY	ESTIMATED PROGRAM FUNDING										Funding Source					
	Cont.	Total	1978 Budget	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	Direct	Share (%)	Grant	Loan	Other
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										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	
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	Direct	Share	Grant	Loan	Other	
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										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
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			24,772									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: 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):**
- Basinwide
 - Upper Missouri
 - Yellowstone
 - Western Dakotas
 - Eastern Dakotas
 - Platte Niobrara
 - Middle Missouri
 - Kansas
 - Lower Missouri
- SUBBASIN(S):**

LOCATION

STATE(S): _____ COUNTY(S)/VICINITY: ^{*}Budget for Reg. VII (Io, Ks, Mo, Ne)
 FY 77-814
 FY 78-1000
 FY79-3100

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
PA - Colorado			1,427.1													
PA - Iowa			*269													
PA - Kansas			*236.5													
PA - Minnesota			1,315													
PA - Missouri			* 0													
PA - Montana			718.4													
PA - Nebraska			*203.9													
PA - North Dakota			533.4													
PA - South Dakota			572.7													
PA - 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

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	Direct	Share (%)</th <th>Grant</th> <th>Loan</th> <th>Other</th>	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	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., & 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
- 08 Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S):

Wyoming

COUNTY(S)/VICINITY:

Remont, Hotsprings

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
IHS Wyoming																
Wind River		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: Flood Insurance Studies

LEAD AGENCY: Department of Housing and Urban Development/Federal Insurance Admin. (FIA) 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: 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.

- 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
HUD-FIA	X											X				

Agency Contact: Richard Leonard

Address: Federal Insurance Administration HUD
Kansas City, Missouri

Phone: FTS-758-6393

HUD FLOOD INSURANCE STUDIES

Wyoming

<u>Community</u>	<u>Contract Started</u>	<u>FIA Control Office Due</u>	<u>Actual or Estimated FIRM**</u>
City of Buffalo (Johnson)	6/76		5/15/78
City of Casper (Natrona)			9/15/77
City of Cheyenne (Laramie)			9/30/77
City of Douglas (Converse)	9/76		9/15/78
Fremont County	6/76		8/1/78
City of Gillette (Campbell)	6/76		5/15/78
City of Hudson (Fremont)	6/76		7/17/78
City of Lander (Fremont)	6/76		8/1/78
City of Laramie (Laramie)	6/76		Pending
Laramie County	6/76	3/78	
Lincoln County	6/76		Pending
City of Manderson (Big Horn)	6/76		8/15/78
Natrona County	6/75		8/1/78
City of Sheridan (Sheridan)	6/76		8/1/78
City of Thermopolis (Hot Springs)	6/76		7/18/78
Uinta County	6/76		9/1/78
City of Wheatland (Platte)	6/76		Pending
City of Worland (Washakie)	6/76		8/1/78

* Unincorporated Areas Only
** Flood Insurance Rate Map

NAME OF PROGRAM: National Flood Insurance Program

LEAD AGENCY: Housing and Urban Development, Department of, Federal Insurance Administration AUTHORITY(S): PL - 90-448
91-152
93-234

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 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):
- 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
HUD, FIA	X											X				

Agency Contact: Richard Leonard Address: Federal Insurance Administration, HUD Kansas City, Missouri Phone: FTS 758-6393

HUD FLOOD INSURANCE PROGRAM

Wyoming

<u>Community</u>	<u>Date</u> <u>Hazard Area Identified</u>	<u>Status**</u>
Albany County	August 23, 1977	E
Big Horn County	August 02, 1977	E
Town of Chugwater (Platte Co.)	December 13, 1974 and November 26, 1976	E
Converse County	February 21, 1978	E
Town of Cowley (Big Horn Co.)	September 19, 1975	E
Town of Dubois (Fremont Co.)	January 23, 1974 and August 27, 1976 and March 07, 1978	E
Town of East Thermopolis (Hot Springs Co.)	November 08, 1974 and February 06, 1976	E
Town of Edgerton (Natrona Co.)	October 01, 1976	E
Town of Glendo (Platte Co.)	August 15, 1976	E
Goshen County f	July 19, 1977	E
Town of Guernsey (Platte Co.)	November 12, 1976	E
Town of Hanna (Carbon Co.)	August 22, 1975	E
Town of Hulett (Crook Co.)	December 10, 1976	E
Town of Kaycee (Johnson Co.)	November 22, 1974	E
Laramie County	November 15, 1977	E
Town of Lingle (Goshen Co.)	August 15, 1975	E
Town of Medicine Bow (Carbon Co.)	June 25, 1976	E
Town of Mills (Natrona Co.)	August 16, 1977	E
Park County	April 25, 1978	E
Platte County	March 28, 1978	E
Town of Ranchester (Sheridan Co.)	September 06, 1974 and March 12, 1976	E
City of Riverton (Fremont Co.)	March 29, 1974 and August 06, 1976	E
City of Rock River (Albany Co.)	February 07, 1975	E
Town of Shoshoni (Fremont Co.)	August 15, 1975	E
Town of Ten Sleep (Washakie Co.)	December 13, 1974	E
Town of Upton (Weston Co.)	June 25, 1976	E
Town of Yoder (Goshen Co.)	December 06, 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

Wyoming

<u>Community</u>	<u>Date Hazard Area Identified</u>	<u>Status**</u>
Town of Baggs (Carbon Co.)	November 22, 1974	E
City of Buffalo (Johnson Co.)	April 05, 1974 and April 02, 1976	E
Campbell County		E
City of Casper (Natrona Co.)	March 08, 1974 and June 04, 1976	R
City of Cheyenne (Laramie Co.)	June 28, 1974 and January 16, 1976	R
City of Cody (Park Co.)	June 28, 1974 and February 20, 1976	E
Town of Dayton (Sheridan Co.)	September 06, 1974 and January 16, 1976	E
Town of Douglas (Converse Co.)	November 01, 1974 and August 27, 1976	E
Town of Elk Mountain (Carbon Co.)		E
Town of Evansville (Natrona Co.)	September 19, 1974	E
Fremont County		E
City of Gillette (Campbell Co.)	June 28, 1974 and April 30, 1976	E
Town of Glenrock (Converse Co.)	January 09, 1974 and January 02, 1976	E
Town of Greybull (Big Horn Co.)	June 21, 1974 and July 19, 1977	E
Town of Hudson (Fremont Co.)	September 06, 1974 and April 02, 1976	E
City of Lander (Fremont Co.)	May 03, 1974 and May 07, 1976 and August 30, 1977	E
City of Laramie (Albany Co.)	April 05, 1974 and February 06, 1976	E
Town of Lovell (Big Horn Co.)	August 08, 1975	E
Town of Lusk (Niobrara Co.)	September 19, 1975	E
Town of Manderson (Big Horn Co.)	September 13, 1974 and January 16, 1976	E
Town of Meeteetse (Park Co.)	November 22, 1974 and October 03, 1975	E
Town of Moorcroft (Crook Co.)	September 19, 1975	E
Natrona County		E
City of Newcastle (Weston Co.)	August 30, 1974 and October 10, 1975	E
Town of Pine Bluffs (Laramie Co.)	April 12, 1974 and January 02, 1976	E
City of Powell (Park Co.)	June 25, 1976 and March 25, 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

HUD FLOOD INSURANCE PROGRAM

Wyoming

<u>Community</u>	<u>Date Hazard Area Identified</u>	<u>Status**</u>
City of Rawlins (Carbon Co.)	May 24, 1974 and September 19, 1975	E
City of Saratoga (Carbon Co.)	June 14, 1974 and February 13, 1976	E
City of Sheridan (Sheridan Co.)	January 16, 1974 and October 01, 1976	E
City of Sundance (Crook Co.)	May 17, 1974 and March 04, 1977	E
Teton County		E
Town of Thermopolis (Hot Springs Co.)	April 12, 1974 and January 23, 1976	E
Town of Torrington (Goshen Co.)	March 15, 1974 and September 12, 1975	E
Town of Wheatland (Platte Co.)	April 12, 1974 and May 07, 1976	E
City of Worland (Washakie Co.)	May 03, 1974 and March 05, 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

NAME OF PROGRAM: Agricultural Resources Program - Indian Reservations

LEAD AGENCY: USDI Bureau of Indian Affairs (BIA)

AUTHORITY(S): Soil Resource Act 4/27/35

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: Administrative and Technical Assistance Agriculture.

PURPOSE OR OBJECTIVES: Provide assistance to tribes, individual Indian and operators of Indian lands in leasing, use, development and management or the trust agricultural resources.

SUBREGION(S): _____ SUBBASIN(S): _____
 Basinwide
 4, 5, 6, X Upper Missouri
 7, 8, 9, 10 X Yellowstone
 _____ Western Dakotas
 _____ Eastern Dakotas
 _____ Platte Niobrara
 _____ Middle Missouri
 _____ Kansas
 _____ Lower Missouri

LOCATION

STATE(S): _____ COUNTY(S)/VICINITY: _____
 Montana - - - - - Rosebud, Bighorn, Hill, Cloteau, Glacier, Valley, Sheridan, Blaine, Phillips, Pondera, STATEWIDE Roosevelt, Daniels
 Wyoming - - - - - Freemont, Hot Springs

RESERVATIONS

Crow, Northern Cheyenne, Blackfoot, Fort Belknap, Fort Peck, Rocky Boy's
 Wind River

Funding Source				
D	S	G	L	O
ir	h	r	o	t
re	a	a	a	h
ct	r	n	n	e
	e	t		r
	(%)			

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	S	G	L	O
BIA-Crow, N. Cheyenne	X			291.9	306.8	322.2	338.4	335.7	373.6	285.2		X				
BIA-Fort Peck, Rocky Boy's, Blackfoot, Fort Belknap	X			680.2	712.5	750	785.9	851.1	859.9	880		X				
BIA Wind River	X			215.9	226.4	237.8	249.7	262.2	275.3	288.7		X				

Agency Contact: E.R. Bohanon

Address: Billings Area Office
 316 N. 26th St.
 Billings, Montana 59101

Phone: FTS 585-6325

*Estimated 1979 FY per budget indications.

NAME OF PROGRAM: Energy Development on Indian Reservations

LEAD AGENCY: USDI Bureau of Indian Affairs (BIA)

AUTHORITY(S): Appropriate 25 CFR and/or other CFR Regulations 42 USC 5811 or 88 Stat. 1234

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: This is a continuation of programs to investigate energy resources of reservation areas to provide information to the Tribes of the potential development, alternatives and environmental consequences. Planning, developing and utilization of the water, coal and mineral resources of the reservations, constant with environmental, social economic, health, etc., restraints and desires of Indian owners.

PURPOSE OR OBJECTIVES: Investigate energy producing potential, coal, oil, and gas.

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

LOCATION

- STATE(S):**
- Montana
 - Wyoming
 - Nebraska
 - North Dakota
 - South Dakota

COUNTY(S)/VICINITY: Indian Reservations

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
Programs within BIA	X											X	X			

Agency Contact: F.L. Whitehead
Trust & Natural Resources

Address: Billings Area Office
316 N. 26th St.
Billings, Montana 59101

Phone: FTS 585-6325

NAME OF PROGRAM: Flood Control on Indian Reservations

LEAD AGENCY: USDI Bureau of Indian Affairs (BIA) 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: Determine dam safety and control measures for flooding. Conduct investigations and determine structures and practices for the abatement of flood damages. The Bureau of Indian Affairs through its resource programs conducts its operations with the intent of conserving and treating the watershed to reduce flood damage.

Protection through BIA resource programs such as adequate plans of conservation of farm, range and forest lands to minimize damage potential. These plans would include vegetative and engineering practices. Full scale operation of a control program would depend on agreements with other agencies as a direct appropriation.

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:

- Montana
- Wyoming
- Nebraska
- South Dakota
- North 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	Direct	Share (%)	Grant	Loan	Other
BIA	X											X				

Agency Contact: F.L. Whitehead
Trust & Natural Resources

Address: Billings Area Office
316 N. 26th St.
Billings, Montana 59101

Phone: FTS 585-63

NAME OF PROGRAM: Forest Management - Indian Reservations

LEAD AGENCY: USDI Bureau of Indian Affairs (BIA)

AUTHORITY(S): Act June 18, 1934 (48 Stat., 984; 25 WC 1964, Sec. 466) Appropriate Section of 25 CFR.

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: Multiple use of Indian reservation forests, optimize income to Indians considering environmental trends.

PURPOSE OR OBJECTIVES: Planning, protecting and administering technical services to define and accomplish forest management objectives including management of production contracts with respective tribes.
 Timber harvested, timber grown plus increase of other forest land use including forage production, wildlife habitat improvement and some forms of outdoor recreation.

SUBREGION(S): SUBBASIN(S):

- _____ Basinwide
- 03,04,05,06 Upper Missouri
- 08 Yellowstone
- _____ Western Dakotas
- _____ Eastern Dakotas
- _____ Platte Niobrara
- _____ Middle Missouri
- _____ Kansas
- _____ Lower Missouri

LOCATION

STATE(S): COUNTY(S)/VICINITY: RESERVATIONS
 Wyoming - - - - - Freemont, Hot Springs - - - - - Wind River
 Montana - - - - - Rosebud, Bighorn - - - - - Crow & Northern Cheyenne
 STATEWIDE

Hill, Choteau, Glacier, Blackfeet, Fort Belknap,
 Pondera, Roosevelt, Daniels, Fort Peck & Rocky Boy's
 Valley, Sheridan, Blaine, Phillips

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

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		
BIA-Wind River	X	520.3		78.3	80.6	82.6	85.5	89.6	94.6	100.6		X
BIA-Crow, N. Cheyenne	X			316.5	325.6	340.9	354.9	190.6	202.6	216.6		X
BIA-Blackfeet, Fort Belknap, Fort Peck & Rocky Boy's	X			253.3	*260.9	268.6	279.8	293.8	228.6	341		

Agency Contact: E.R. Bohannon
 Bureau of Indian Affairs
 316 N. 26th Street
 Billings, MT 59101
 FTS 8-585-6325

Address: Billings Area Office
 316 N. 26th St.
 Billings, Montana 59101

Phone: FTS 585-6325

*Beginning FY 1980 funding for Fort Peck Indian Reservation will be increased \$5,000 to \$10,000 a year.

NAME OF PROGRAM: Range Stockwater Development on Indian Reservations

LEAD AGENCY: United States Department of Interior/Bureau of Indian Affairs (BIA) AUTHORITY(S): Soil Conservation Act 4/27/35

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: Build and repair range stockwater facilities on Indian land.

PURPOSE OR OBJECTIVES: Livestock distribution and management.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
03,04,05,06	<input checked="" type="checkbox"/> Upper Missouri
08	<input checked="" type="checkbox"/> Yellowstone
	Western Dakotas
	Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Montana Wyoming COUNTY(S)/VICINITY: Montana Wyoming
Rosebud Daniels Fremont
Big Horn Sheridan Hot Springs
 STATEWIDE Yellowstone Valley
Glacier
Pondera
Blaine
Phillips
Roosevelt

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
BIA	X		463	41.0	41.0							X				

Agency Contact: E.R. Bohannon
 Rights Protection & Irrigation
 Office
 Bureau of Indian Affairs
 316 N. 26th St.
 Billings, MT 59101
 FTS 8-585-6325

Address: 326 N. 26th St.
 Billings, Montana 59101

Phone: FTS-585-6325

NAME OF PROGRAM: Wind River Reservation Irrigation Project

LEAD AGENCY: United States Department of Interior/Bureau of Indian Affairs (BIA) AUTHORITY(S): McLaughlin Agreement Act Mar. 3, 1905 (33 Stat. 1016). McLaughlin agreement amended Apr. 21, 1904-provided money from ceded lands (150,000) for irrigation extension and construction.

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: Surveys, investigations, construction, rehabilitation, expansion, and completion of existing project to enhance agricultural economic development on the Reservation.

PURPOSE OR OBJECTIVES: FY 1978 to FY 1985 - surveys, investigations, construction, rehabilitation, and completion of existing project.

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Fremont
Hot Springs
Wind River Reservation
Ft. Washakie, WY

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
BIA		28,147	239	551	8,942	8,942	8,942				531	x				

Agency Contact: E.R. Bohannon
Bureau of Indian Affairs
316 N. 26th St.
Billings, MT 59101
FTS 8-585-6325

Address:

Phone:

NAME OF PROGRAM: Wind River Indian Reservation - Water Rights

LEAD AGENCY: United States Department of Interior/Bureau of Indian Affairs (BIA) AUTHORITY(S): Treaty, July 2, 1863. Subsequent treaties and agreements.

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.
- 100 Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: To make the necessary surveys, investigations, and inventories for adequately planning the development and utilization of the Reservation land, plans, and water resources as well as protecting the Tribes' or individual Indians' other rights as provided by law, treaty, or other means.

PURPOSE OR OBJECTIVES: To determine the extent of potential water resource development, including hydrological investigations, existing uses, future uses, impoundment potentials, agricultural economies, feasibility determination, and environmental assessment.

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Fremont
Hot Springs
Wind River Reservation

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
BIA		805.2*		82.0	**											
* Budgeted to date																
** Actual litigation costs yet undetermined.																

Agency Contact: E.R. Bohannon
Bureau of Indian Affairs
316 N. 26th St.
Billings, MT 59101
FTS 8-585-6325

Address:

Phone:

R

NAME OF PROGRAM: Computerized Water Resources Data System
 LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) 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: Search out water resources data that are available, but not commonly known to exist.

PURPOSE OR OBJECTIVES:

SUBREGION(S):
 SUBBASIN(S):
 Basinwide
 Upper Missouri
 7, 8, 9, X Yellowstone
 11, 12, X Western Dakotas
 Eastern Dakotas
 18, 19, X Platte Niobrara
 Middle Missouri
 Kansas
 Lower Missouri

LOCATION

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

STATEWIDE

FUNDING SOURCE/AGENCY	\$1,000											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					
Bureau of Land Management	X		57	25	27	27	30	30	30	30			X								

Agency Contact: Daniel P. Baker Address: P.O. Box 1828 Cheyenne, WY 82001 Phone: FTS 322-2222

NAME OF PROGRAM: Eastern Powder River Coal ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): NEPA P.L. 91-190

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: Data collection and analysis of environmental impact of potential Federal coal leasing.

PURPOSE OR OBJECTIVES:

SUBREGION(S): _____ SUBBASIN(S): _____
 _____ Basinwide
 _____ Upper Missouri
 9 _____ X Yellowstone
 12 _____ X Western Dakotas
 _____ Eastern Dakotas
 18 _____ x Platte Niobrara
 _____ Middle Missouri
 _____ Kansas
 _____ Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Campbell
Converse Counties

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
Bureau of Land Management		663	563	100								X				
TOTAL		663	563	100												

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, Wyoming 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Energy Minerals Rehabilitation Inventory and Analysis Program (EMRIA)

LEAD AGENCY: United States Department of Interior, Bureau of Land Management (BLM)

AUTHORITY(S): P.L. 93-404, Minerals Land Leasing Act, Feb. 25, 1920 as amended (30 USC)

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: Study of rehabilitation potential and potential resource impacts in stripable coal region; stream gaging studies, inventory data, and surface manipulation techniques for mine land sites.

PURPOSE OR OBJECTIVES: Specific attention to hydrology, soils, and overburden characteristics.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
<u>4, 6</u>	<input checked="" type="checkbox"/> Upper Missouri
<u>8, 9, 10</u>	<input checked="" type="checkbox"/> Yellowstone
<u>11, 12, 13</u>	<input checked="" type="checkbox"/> Western Dakotas
	Eastern Dakotas
<u>18</u>	<input checked="" type="checkbox"/> Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Montana
North Dakota
Wyoming

COUNTY(S)/VICINITY:

STATEWIDE

FUNDING SOURCE/AGENCY	\$1,000										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
BLM - Montana	X		2,254	819	1,254	830	830	910	990	1,056		X				
BLM - North Dakota	X		1,155	497	646	470	470	490	510	544		X				
BLM - Wyoming	X		280	256	280	300	320	365	420	470		X				

Agency Contact: Edwin Zaidlicz, BLM
Daniel P. Baker, BLM

Address: 220 N. 32nd St., Billings, MT 59107
P.O. Box 1828, Cheyenne, WY 82001

Phone: FTS 585-6463
FTS 328-2326

NAME OF PROGRAM: Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): Court Order NEPA
PL - 91-190

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: Data collection and analysis of environment impact of grazing on public lands.

PURPOSE OR OBJECTIVES:

SUBREGION(S): _____
 SUBBASIN(S):
 Basinwide
 Upper Missouri
 8 9 X Yellowstone
 Western Dakotas
 Eastern Dakotas
 18 X Platte Niobrara
 Middle Missouri
 Kansas
 Lower Missouri

LOCATION

STATE(S): Wyoming

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	
BLM																	
Grass Creek		675	425	100		50	100					X					
Green Mountain		300	150	50	100							X					
Hanna		150						50	100			X					
Natrona		150				50	100					X					
Overland		150				50	150					X					
Salt Wells		50				20	30					X					
Sandy		125	125									X					
Seven Lakes		300	250	50								X					
Sheridan/Johnson		150							50	100		X					
Washakie		150						50	100			X					

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Grass Creek Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of environmental impact of grazing on public lands.

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): Wyoming

COUNTY(S)/VICINITY: Big Horn Park
Washakie
Hot Springs
Yellowstone Basin/1,004,000 ac.
BLM Public Land

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	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
Bureau of Land Management		675	425	100		50	100					X				

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Green Mountain Grazing ES
 LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of environmental impact of grazing on public lands.

PURPOSE OR OBJECTIVES:

SUBREGION(S): _____

 8 _____ X

 18 _____ X

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Fremont
 Carbon
 Sweetwater/1,338,000 ac. BLM Public Land
 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
Bureau of Land Management		300	150	50	100						150	X				

Agency Contact: Daniel P. Baker Bureau of Land Management Address: P.O. Box 1828 Cheyenne, WY 82001 Phone: FTS 328-2326

NAME OF PROGRAM: Hanna Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management

AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of environmental impact of grazing on public lands.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Carbon County

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
Bureau of Land Management		150						50	100							
TOTAL		150						50	100							

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Natrona Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of environmental impact of grazing on public lands.

PURPOSE OR OBJECTIVES:

SUBREGION(S): SUBBASIN(S):

- Basinwide
- Upper Missouri
- 8, 9, Yellowstone
- Western Dakotas
- Eastern Dakotas
- 18 Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Natrona/Powder

STATEWIDE
 Platte
 BigHorn
 River Basin/1,165,000 ac. BLM Public Lands

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
Bureau of Land Management		150				50	100									
TOTAL		150				50	100									

Agency Contact: Daniel P. Baker
 Bureau of Land Management

Address: P.O. Box 1828
 Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Overland Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of environmental impact of grazing on public lands

PURPOSE OR OBJECTIVES:

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Carbon and Sweetwater County/1,739,000 ac. BLM public Lands

STATEWIDE

FUNDING SOURCE/AGENCY	\$1,000 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
Bureau of Land Management		150				50	150					X				

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Sandy Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): Court Order, NEPA P.L. 91-190

PROGRAM STATUS

- Ongoing
- Resumption
- New Start
- Completed

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: Data collection and analysis of environmental impact of grazing on public lands.

PURPOSE OR OBJECTIVES:

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Sweetwater Fremont/438,000 ac Public land

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
Bureau of Land Management		125	125									X				

Agency Contact: Daniel P. Baker, Bureau of Land Management Address: P.O. Box 1828, Cheyenne, WY 82001 Phone: FTS 328-2326

NAME OF PROGRAM: Salt Wells Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of environmental impact of grazing on 102,000 acres of public lands.

PURPOSE OR OBJECTIVES:

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Sweet Water
Platte River/102,000 ac. BLM Public 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	Direct	Share	Grant	Loan	Other
Bureau of Land Management		50				20	30					X				
TOTAL		50				20	30									

Agency Contact: Daniel P. Baker

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Seven Lakes -Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of Environmental impact of grazing on public lands.

PURPOSE OR OBJECTIVES:

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Carbon
Sweetwater
Fremont

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
Bureau of Land Management		300	250	50								X				

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Sheridan/Johnson Grazing ES (Name was formerly Western Powder River)

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of environmental impact of grazing on public lands.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Johnson Sheridan/Powder River Basin/ 563,000 ac. BLM Public 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
Bureau of Land Management		150							50	100		X				
TOTAL		150							50	100						

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Washakie Grazing ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): Court Order NEPA L.P.91-190

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: Data Collection and analysis of environmental impact of grazing on public lands.

PURPOSE OR OBJECTIVES:

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Washakie
Big Horn
Hot Springs

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
Bureau of Land Management		150						50	100			X				
TOTAL		150						50	100							

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Management Framework Plan/Casper District

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): FLPMA P.L. 94-579

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: Ongoing programs of describing use, condition and potential in terms of lands, minerals, timber, livestock forage, watershed, recreation, wildlife habitat and environmental protection.

PURPOSE OR OBJECTIVES:

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
9,	X Yellowstone
11, 12,	X Western Dakotas
	Eastern Dakotas
15, 18	X Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Natrona Weston
 Johnson Converse
 Sheridan Niobrara
 Campbell Platte/2,571,000 ac
 Crook BLM Public Land

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
Bureau of Land Management	X		196	36	48	72	240	192	96	96		X				

Agency Contact: Daniel P. Baker
 Bureau of Land Management

Address: P.O. Box 1828
 Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Management Framework Plans/Rock Springs District

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): FLPMA

P.L. 94-579

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: Ongoing programs of describing use, condition and potential in terms of 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
- 18 Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Fremont
Sweetwater County
54,000 ac. BLM Public Land
Portion of WY Great Divide Basin

STATEWIDE

*Costs and acreage prorated from District total, applicable only to Platte River Basin (includes Wyoming Great Divide Basin)

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	District	State	Federal	Local	Other
Bureau of Land Management	X	40		40*								X				
Total		40		40												

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Management Framework Plan/Rawlins District

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): P.L. 94-579

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: Ongoing programs of describing use, condition and potential in terms of lands, minerals, timber, livestock forage, watershed, recreation, wildlife habitat and environmental protection.

PURPOSE OR OBJECTIVES:

SUBREGION(S): SUBBASIN(S):

- _____ Basinwide
- _____ Upper Missouri
- 8, 9, Yellowstone
- _____ Western Dakotas
- _____ Eastern Dakotas
- 18, 19, Platte Niobrara
- _____ Middle Missouri
- _____ Kansas
- _____ Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY:

Carbon Albany
 Fremont Laramie/6,218,00 ac.
 Sweetwater BLM Public Land
 Natrona

STATEWIDE

Funding Source

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

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
Bureau of Land Management	X		184	24	144	48	168	48	144	48		X				

Agency Contact: Daniel P. Baker
 Bureau of Land Management

Address: P.O. Box 1828
 Chycenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Management Framework Plans/Worland District

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): FLPMA P.L. 94-579

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: On going programs of describing use, condition and potential in terms of lands, minerals, timber, livestock forage, watershed, recreation, wildlife habitat, and environmental protection.

PURPOSE OR OBJECTIVES:

SUBREGION(S): _____ SUBBASIN(S):
 _____ Basinwide
 _____ Upper Missouri
7, 8, Yellowstone
 _____ Western Dakotas
 _____ Eastern Dakotas
 _____ Platte Niobrara
 _____ Middle Missouri
 _____ Kansas
 _____ Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Big Horn Park
 Washakie
 Hot Springs
 STATEWIDE 3,158,000 ac. BLM Public Land

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
Bureau of Land Management	X	563	64		72	24	72	24	72	24		X				

Agency Contact: Daniel P. Baker Bureau of Land Management Address: P.O. Box 1828 Chocoma, WY 82001 Phone: FTS 328-2326

NAME OF PROGRAM: Porcupine Creek, Scenic and Recreational River

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) 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: Scenic and Recreational River

PURPOSE OR OBJECTIVES:

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S) Wyoming COUNTY(S)/VICINITY: Big Horn County

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
Forest Service and BLM		274														

Agency Contact: Daniel P. Baker

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Resource Inventories/Casper District

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM)

AUTHORITY(S): F.L.P.M.A. P.L. 94-579

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: Resource inventories applicable to 2.6 million acres of public lands and 9 million acres of Federal Mineral Estate.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

- Basinwide
- Upper Missouri
- 9, Yellowstone
- 11, 12 Western Dakotas
- Eastern Dakotas
- 15, 18 Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Natrona 2,571,000 ac
 Johnson BLM public land
 Sheridan Bio Horn
 STATEWIDE
 Campbell
 Crook
 Weston
 Converse
 Niobrara
 Platte

*Inventory in previous years covered by Coal ES.

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	Local	Other
Bureau of Land Management	X		*	109	1281	120	418	620	100	100		X				

Agency Contact: Daniel P. Baker
 Bureau of Land Management

Address: P.O. Box 1828
 Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Resource Inventories/ Rawlins District

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): FLPMA P.L. 94-579

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: Resource inventories applicable to about 6.8 million acres of public land and Federal Mineral Estate.

PURPOSE OR OBJECTIVES:

SUBREGION(S): _____ SUBBASIN(S): _____
 _____ Basinwide
 _____ Upper Missouri
8, 9 Yellowstone
 _____ Western Dakotas
 _____ Eastern Dakotas
18, 19, Platte Niobrara
 _____ Middle Missouri
 _____ Kansas
 _____ Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Carbon
 Fremont
 Sweet Water
 STATEWIDE
 Natrona
 Albany
 Laramie
 6,218,000 ac. BLM
 Public land

* Inventory in previous years covered by Coal and Ranges ES's

\$1,000

Funding Source

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

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
Bureau of Land Management	X		*	1068	1739	1318	100	1026	100	392		X				

Agency Contact: Daniel P. Baker, Bureau of Land Management Address: P.O. Box 1828, Cheyenne, WY 82001 Phone: FTS 328-2326

NAME OF PROGRAM: Resource Inventories/Worland District

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): FLPMA P.L. 94-579

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: Resource inventories applicable to about 3.2 million acres of public lands and Federal Mineral Estate.

PURPOSE OR OBJECTIVES:

SUBREGION(S): _____ SUBBASIN(S): _____
 _____ Basinwide
 _____ Upper Missouri
 7, 8, _____ X Yellowstone
 _____ Western Dakotas
 _____ Eastern Dakotas
 _____ Platte Niobrara
 _____ Middle Missouri
 _____ Kansas
 _____ Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: BigHorn
 Park
 Washakie
 Hot Springs
 3,158,000 ac. BLM
 Public Land

STATEWIDE

*Inventory in previous years covered by Grass Creek ES.
 \$1,000

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
Bureau of Land Management			*	200	200	200	127	127				X				

Agency Contact: Daniel P. Baker, Bureau of Land Management
 Address: P.O. Box 1828, Cheyenne, WY 82001
 Phone: FTS 328-2326

NAME OF PROGRAM: South Central Wyoming Coal ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): NEPA P.L. 91-190

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, Hfst., & Cult.
- Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: Data collection and analysis at environmental impact of potential Federal coal leasing.

PURPOSE OR OBJECTIVES:

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Carbon Portion at Sweetwater County

STATEWIDE

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

\$1,000

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	S	G	L	O
Bureau of Land Management		948	898	50								X				
TOTAL		948	898	50												

Agency Contact: Daniel P. Baker
Bureau of Land Management

Address: P.O. Box 1828
Cheyenne, WY 82001

Phone: FTS 328-2326

NAME OF PROGRAM: Southwest Wyoming Coal ES

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): NEPA P.L. 91-190

PROGRAM STATUS

- Ongoing
- Resumption
- New Start
- Completed

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: Data collection and analysis of environmental impact of potential Federal coal leasing.

PURPOSE OR OBJECTIVES:

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Sweetwater
Fremont
102,000 ac. BLM land

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
Bureau of Land Management		70	70									X				

Agency Contact: Daniel P. Baker Bureau of Land Management Address: P.O. Box 1828 Cheyenne, WY 82001 Phone: FTS 328-2326

NAME OF PROGRAM: Western Powder River Coal ES (Project dropped in 1978 FY - no work started)

LEAD AGENCY: United States Department of Interior/Bureau of Land Management (BLM) AUTHORITY(S): Court Order NEPA P.L. 91-190

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: Data collection and analysis of environmental impacts of potential Federal coal leasing

PURPOSE OR OBJECTIVES:

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Johnson
Sheridan
Powder River Basin

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
Bureau of Land Management																

Agency Contact: Daniel P. Baker
Bureau of Land Management

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	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
(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 303-234-3430

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										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
(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
Brand of Basin & Environmental Studies

Address: Building 20
Denver Federal Center
Denver, CO 80225

Phone: FTS 303 234-3930

NAME OF PROGRAM: Wilderness Investigation
 LEAD AGENCY: United States Department of Interior/Bureau of Mines (BOM) AUTHORITY(S): PL 88-57

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
- 5 Fish and Wildlife
- Irrigation
- 70 Land Conserv. & Mgmt.
- M&I and Rural Water
- 5 Natural, Hist., & Cult.
- Power and Energy
- 5 Recreation
- Transportation
- 5 Water Quality Mgmt.
- 10 Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY: Determine the economic potential of mineral resources in proposed primitive and wilderness areas.

PURPOSE OR OBJECTIVES: Bureau engineers and survey geologists prepare a joint report of findings for use in decisionmaking at three levels: (1) by the Secretary of Agriculture in his proposals to the President; (2) by the President in his recommendations to the Congress; and (3) by the Congress in its action on the inclusion of each area in the national wilderness preservation system.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
<u>2, 3, 4, 5, 6,</u>	<input checked="" type="checkbox"/> Upper Missouri
<u>7, 8, 9, 10</u>	<input checked="" type="checkbox"/> Yellowstone
<u>11, 12</u>	<input checked="" type="checkbox"/> Western Dakotas
	Eastern Dakotas
<u>15, 18, 19,</u>	<input checked="" type="checkbox"/> Platte Niobrara
	Middle Missouri
<u>25, 26,</u>	<input checked="" type="checkbox"/> Kansas
	Lower Missouri

LOCATION

STATE(S): Colorado
 Montana
 Wyoming

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
(BOM) Colorado			667	50	60	65	70	75	80			X				
(BOM) Montana				300	300	300						X				
(BOM) Wyoming			314	50	60	60	65	70	75			X				

Agency Contact: H. C. Stewart (BOM)
 Branch of Basins and Environmental Studies

Address: Intermountain Field operations Center
 Building 20, Denver Federal Center
 Denver, Colorado 80225

Phone: FTS 303- 234-393

NAME OF PROGRAM: Atmospheric Water Resources Research Including High Plains Cooperative Program

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) **AUTHORITY(S):** PL - Act 41 USC Sec 302

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
- 40 Irrigation
- Land Conserv. & Mgmt.
- 10 M&I and Rural Water
- Natural, Hist., & Cult.
- 25 Power and Energy
- 3 Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- 20 Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: Precipitation management including economic and environmental impacts of weather modification.

SUBREGION(S):	SUBBASIN(S):
	Basinwide
	Upper Missouri
10	X Yellowstone
12	X Western Dakotas
	Eastern Dakotas
18, 19	X Platte Niobrara
	Middle Missouri
25, 26	X Kansas
	Lower Missouri

LOCATION

STATE(S): Colorado
 Kansas
 Montana
 South Dakota
 Wyoming

COUNTY(S)/VICINITY: 24 Counties in MRB

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
BR	X		4,516	1,600	1,500	1,700	1,700					X				

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

NAME OF PROGRAM: Buffalo Bill Reservoir Enlargement

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) 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: Multi-Purpose

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Shoshone River near Cody

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
BR		42,583														

Agency Contact: E. R. Wilde
Asst. Regional Director-Admin.

Address: Bureau of Reclamation
Upper Missouri Region
P. O. Box 2553
Billings, Montana 59103

Phone: 585-6216

NAME OF PROGRAM: Bureau of Reclamation Irrigation Facilities Rehabilitation and Betterment Program/Loan

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) 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: 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.

SUBREGION(S): SUBBASIN(S):

- Basinwide
- 6 Upper Missouri
- 8, 10 Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Montana
Wyoming

COUNTY(S)/VICINITY: Richland
Sidney
Park
Bighorn
Powell
Deaver
Yellowstone
Ballentine
Prairie
Terry

STATEWIDE

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

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
BR	X	609,000	609,000												X	

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: Environmental and Interagency Coordination Activities/Special

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) 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: Broad economic, environmental, and other studies of Pick-Sloan Missouri Basin Program not related to specific project investigations.

PURPOSE OR OBJECTIVES:

SUBREGION(S):	SUBBASIN(S):
	Basinwide
2, 3, 4, 5, 6	X Upper Missouri
7, 8, 9, 10	X Yellowstone
11, 12, 13, 14	X Western Dakotas
16, 17	X Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Montana
 North Dakota
 South Dakota
 Wyoming

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
BR				100	275	250	250	250				X				

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: Examination of Existing Structures Program/Safety of Dams

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR)

AUTHORITY(S): Public Works Appropriation FY 1966

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: Ongoing review of structural and hydraulic adequacy of Bureau of Reclamation dams.

PURPOSE OR OBJECTIVES: Safety of dams.

SUBREGION(S):	SUBBASIN(S):
	<input checked="" type="checkbox"/> Basinwide
	<input type="checkbox"/> Upper Missouri
8,9	<input checked="" type="checkbox"/> Yellowstone
11, 12, 13,	<input checked="" type="checkbox"/> Western Dakotas
16,	<input checked="" type="checkbox"/> Eastern Dakotas
18	<input checked="" type="checkbox"/> Platte Niobrara
	<input type="checkbox"/> Middle Missouri
	<input type="checkbox"/> Kansas
	<input type="checkbox"/> Lower Missouri

LOCATION

STATE(S): North Dakota
Wyoming

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
BR				661	2,325	2,880	2,945	2,945	2,945			X				

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: Kendrick Project

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR)

AUTHORITY(S): By President 8/30/35

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 Study

PROGRAM PURPOSES (Percent)

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

DESCRIPTION

SUMMARY: Power, irrigation, and recreation project that is completed. Program consists of updating Seminole power plant to increase capacity by 12,600 KW.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Carbon

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
BR		35,032	34,683	350								X				

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

NAME OF PROGRAM: Muddy Ridge Area/Riverton Unit/Feasibility

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): PL - 94-156

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: Muddy Ridge Area is located north of Riverton, Wyoming, between Fivemile and Muddy Creeks and is an underdeveloped area in the Third Division of the existing Riverton Unit in Wyoming. P.L. 94-156, dated December 16, 1978, authorized feasibility investigations for Muddy Ridge Area. Previous investigations have shown that about 9,000 acres in this area are irrigable under gravity irrigation standards. This figure may be increased by changing the land classification specifications to current economic levels and including sprinkler irrigation. The Midvale Irrigation District has requested the sale of federally-owned lands in the Muddy Ridge area in order that they may be developed for irrigation purposes. Investigations are needed to evaluate the irrigable lands of the 18,000-acre area prior to disposal. The study will also examine the economic justification of serving the additional land as an extension to the Riverton Unit. Possibilities for development are: joint Federal-State development, small reclamation projects loan, or future project extension under regular general investigations program. For joint Federal-State development or small projects, consideration would need to be given to sale of lands under P.L. 91-409, September 25, 1970, an act to reauthorize the Riverton Unit.

PURPOSE OR OBJECTIVES:

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S): Wyoming 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
BR		295		110								X				

Agency Contact: E. R. Wilde
Asst. Regional Director-Admin.

Address: Bureau of Reclamations
Upper Missouri Region
P. O. Box 2553
Billings, MT. 59103

Phone: 585-6216

NAME OF PROGRAM: North Platte Project (R&B)/Nebraska & Wyoming

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): Reclamation Laws

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

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: The investigation will study alternatives to the siltrun. Some of these alternatives will include the use of pipe laterals, canal linings, reuse of return flows, structure improvements, and water management studies.

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

LOCATION

STATE(S): Nebraska
Wyoming

COUNTY(S)/VICINITY: Goshen
Scotts Bluff
Sioux
Morrill

STATEWIDE

FUNDING SOURCE/AGENCY	\$1,000										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				
BR		936		75	150	318	205	188				X								

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 80226

Phone: 234-4441

NAME OF PROGRAM: North Platte River Hydroelectric Study

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): Reclamation Laws

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: The investigation will determine the justification for conducting feasibility studies of large scale development of pumped storage hydrounits at existing reclamation storage reservoirs on the North Platte River. Also, the installation of an additional hydrounit at the Fremont Canyon Powerplant will be investigated.

- SUBREGION(S): _____
- SUBBASIN(S):
- _____ Basinwide
 - _____ Upper Missouri
 - _____ Yellowstone
 - _____ Western Dakotas
 - _____ Eastern Dakotas
 - _____ 18 _____ X Platte Niobrara
 - _____ Middle Missouri
 - _____ Kansas
 - _____ Lower Missouri

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Natrona Carbon

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
BR		354	204	150								X				

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

NAME OF PROGRAM: Pick-Sloan Missouri Basin Program/Riverton Unit/Construction

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): PL - 91-409

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 for rehabilitation of existing irrigation system.

PURPOSE OR OBJECTIVES:

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Fremont
Central Wyoming

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
BR		22,700	12,437	2,889	3,200	2,600	1,574					X				

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: Pick-Sloan Missouri Basin/Shoshone Extension Unit/Polecat Bench Area/Construction
 LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): PL - 94-228

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: Irrigation, municipal and industrial water, fish and wildlife, recreation.

PURPOSE OR OBJECTIVES: Primary purpose is irrigation of 19,000 acres.

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Park
Powell
Northcentral Wyoming

STATEWIDE

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

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	S	G	L	O		
BR		49,500		650	3,735	15,400	18,718	10,639				x						

Agency Contact: E. R. Wilde Asst. Regional Director-Admin. Address: Bureau of Reclamations Upper Missouri Region P. O. Box 2553 Billings, MT. 59103 Phone: 585-6216

NAME OF PROGRAM: Power Intertie Studies/Feasibility

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR)

AUTHORITY(S): PL - 94-156

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: Power transmission interconnections with other areas. Public Law 94-156, dated December 16, 1975, authorized feasibility investigations for Power Intertie Studies. P-S MBP's operating power system, physically in eight States, interconnects hydropowerplants of multipurpose developments with load centers throughout the Missouri Basin and is subdivided into an Eastern and a Western Division for operating purposes. Facilities include 23 hydropowerplants with 2.7 million kw of installed generating capacity and 10,000 miles of transmission lines. This transmission network is extensively interconnected with other power supplies both within and outside the P-S MBP area. The Eastern Division interconnects with Southwest Power Administration and the Western Division with Colorado River Storage Project. The Bureau is a member and active participant in both Mid-Continent Area Power Planners and Western Systems Coordinating Council. Power complexes in the Eastern United States and those in the west could be operated interconnectively continuously with addition of adequate transmission capacity between those areas. The feasibility study will identify intertie and facility requirements considering load-resource balances, optimum conservation and use of energy, and economic justification.

PURPOSE OR OBJECTIVES:

SUBREGION(S):	SUBBASIN(S):
	<input checked="" type="checkbox"/> Basinwide
2	<input checked="" type="checkbox"/> Upper Missouri
7, 8, 9	<input checked="" type="checkbox"/> Yellowstone
11, 12	<input checked="" type="checkbox"/> Western Dakotas
	<input type="checkbox"/> Eastern Dakotas
15, 18, 19	<input checked="" type="checkbox"/> Platte Njobrara
	<input type="checkbox"/> Middle Missouri
	<input type="checkbox"/> Kansas
	<input type="checkbox"/> Lower Missouri

LOCATION

STATE(S): Montana
 North Dakota
 South Dakota
 Wyoming

COUNTY(S)/VICINITY: Missouri River Basin

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
BR		100		15								X				

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: Seminole Dam Modification
 LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): PL - 92-199

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: Study enlargement of Seminole Dam for additional flood control, hydroelectric power, and storage of water.

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Natrona
Carbon

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
BR		699	692	7												

Agency Contact: R. W. Spangler
Asst. Regional Director-Admin.

Address: Bureau of Reclamation
Lower Missouri Region
P. U. Box 25247
Bldg. 20, Denver Federal Center
Denver, CO 80225

Phone: 234-4441

NAME OF PROGRAM: Water Management Study Missouri River Upstream of Gavins Point/Special

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) 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: (See Attachment)

PURPOSE OR OBJECTIVES:

SUBREGION(S):	SUBBASIN(S):
	Basinwide
2, 3, 4, 5, 6	<input checked="" type="checkbox"/> Upper Missouri
7, 8, 9, 10	<input checked="" type="checkbox"/> Yellowstone
11, 12, 13, 14	<input checked="" type="checkbox"/> Western Dakotas
16, 17	<input checked="" type="checkbox"/> Eastern Dakotas
	Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Montana COUNTY(S)/VICINITY: Missouri River Upstream of Gavins Point
North Dakota
South Dakota
Wyoming 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	
BR		867	688	9	120	50											

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: Weather Modification Program

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) 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: Comprehensive development and adoption of technology. Assessment and documentation of technology.

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
BR		93,750														

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

NAME OF PROGRAM: Western Hydroelectric Power Inventory Special
 LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): Reclamation Land

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.
- 100 Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

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.

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

LOCATION

STATE(S): 17 Western States 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
BR		963		421	421	121						X				

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

NAME OF PROGRAM: Wind-Hydro Energy Project/Wind-Hydroelectric Energy Integration Study/System Verification Installation

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) AUTHORITY(S): Reclamation Laws

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.
- 100 Power and Energy
- Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- Instream Flows

DESCRIPTION

SUMMARY:

PURPOSE OR OBJECTIVES: Integration of wind power with Colorado River Storage Project (CRSP) hydro capacity to produce marketable peaking energy. The system verification installation will include design, construction, and test operation of the wind turbine units with an interconnected reclamation hydroelectric system, appurtenant monitoring, and test equipment.

- SUBREGION(S): _____
- SUBBASIN(S):
- _____ Basinwide
 - _____ Upper Missouri
 - _____ Yellowstone
 - _____ Western Dakotas
 - _____ Eastern Dakotas
 - _____ 18 X Platte Niobrara
 - _____ Middle Missouri
 - _____ Kansas
 - _____ Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: The Upper North Platte River Basin in Carbon and Albany Counties near Medicine Bow, Wyo., and the CRSP area.

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
BR		9,128	285	2,784	5,946	113						X				

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

NAME OF PROGRAM: Wind River Basin Water Supply Study

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) 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: Analyze water supply and need in the basin and identify potential solutions.

- SUBREGION(S): _____ SUBBASIN(S): _____
- _____ Basinwide
 - _____ Upper Missouri
 - 8 _____ x Yellowstone
 - _____ Western Dakotas
 - _____ Eastern Dakotas
 - _____ Platte Niobrara
 - _____ Middle Missouri
 - _____ Kansas
 - _____ Lower Missouri

LOCATION

STATE(S): Wyoming 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
BR		100		10	40											

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: Willwood Power Plant Study

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) 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: Hydropower addition to existing dam (Willwood Diversion Dam, Shoshone Project).

PURPOSE OR OBJECTIVES: This investigation will evaluate the Willwood Powerplant, a potential 1.0-megawatt powerplant that could be constructed at the existing Willwood Dam located on the Shoshone River approximately 10 miles upstream of Willwood, Wyoming. At the time of the initial construction of Willwood Dam, a powerplant was contemplated and an 84-inch-diameter outlet through the dam was provided for future power development. The proposed powerplant would be just downstream from the 84-inch outlet and would utilize approximately 42 feet of head developed behind the dam. Estimated average annual generation would be 4 million kilowatt-hours. In addition to the powerplant, a switchyard and transmission lines in the vicinity of the powerplant would be required. No detailed studies have been previously made of this proposal. A report on the potential powerplant is scheduled for fiscal year 1979.

- SUBREGION(S): 8 SUBBASIN(S): X
- Basinwide
 - Upper Missouri
 - Yellowstone
 - Western Dakotas
 - Eastern Dakotas
 - Flatts Niobrara
 - Middle Missouri
 - Kansas
 - Lower Missouri

LOCATION

STATE(S): Wyoming 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	District	State	Federal	Other
BR		75		75											

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: Wyoming and Montana Investigation of Existing Projects/Special

LEAD AGENCY: United States Department of the Interior/Bureau of Reclamation (BR) 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: Investigation of Yellowstone Basin projects for rehabilitation and betterment needs and water management.

PURPOSE OR OBJECTIVES: Modernize and prove water conveyance capability and efficiency of the existing irrigation system.

SUBREGION(S): SUBBASIN(S):

- Basinwide
- Upper Missouri
- 8, 10 Yellowstone
- Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Montana Wyoming

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
BR																

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: Animal Damage Control

LEAD AGENCY: United States Dept. of Interior. Fish and Wildlife Service (FWS) 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: Bird and mammal damage control operations.

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		Direct	State	Grant	Local	Other

Agency Contact: Rick Dornfeld
U.S. Fish & Wildlife Service

Address: P.O. Box 25486
Denver, CO 80225

Phone: FTS 234-4616

NAME OF PROGRAM: Biological Services

LEAD AGENCY: United States Dept. of Interior, Fish & Wildlife Service (FWS) 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:
- (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.

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

Agency Contact: Rick Dornfeld U.S. Fish & Wildlife Service Address: P.O. Box 25486 Denver, CO 80225 Phone: FTS 234-4616

NAME OF PROGRAM: Environmental Contaminant Evaluation

LEAD AGENCY: United States Dept. of Interior, Fish & Wildlife Service (FWS) 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: 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): _____
- 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	State	Grant	Local	Other

Agency Contact: Rick Dorfeld U.S. Fish & Wildlife Service Address: P.O. Box 25486 Denver, CO 80225 Phone: FTS 234-461

NAME OF PROGRAM: Mammals and Nonmigratory Birds

LEAD AGENCY: United States Dept. of Interior, Fish & Wildlife Service (FWS) 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: Wildlife related law enforcement.

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

Agency Contact: Rick Dornfeld
U.S. Fish & Wildlife Service

Address: P.O. Box 25486
Denver, CO 80225

Phone: FTS 234-4616

NAME OF PROGRAM: Migratory Birds

LEAD AGENCY: United States Dept. of Interior. Fish & Wildlife Service (FWS) 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: Management of migratory birds through:
 (1) acquisition and operation of national wildlife refuges
 (2) management of migratory birds off-refuges
 (3) law enforcement

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	

Agency Contact: Rick Dornfeld U.S. Fish & Wildlife Service Address: P.O. Box 25486 Denver, CO 80225 Phone: FTS 234-4616

NAME OF PROGRAM: Flood Investigation in Wyoming

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: Obtain sufficient basic hydrologic data to define the magnitude and frequency of floods on a regional basis for the entire state and to publish the interpretative analysis in easily usable form, on request from the cooperator, flood flow characteristics of streams at specific sites will be determined by studying such factors as; (1) History of past floods; (2) Distribution of flow across the flood plain and main channel, and; (4) mean velocities in the main channel and overflow areas.

SUBREGION(S): SUBBASIN(S):

		Basinwide
02	X	Upper Missouri
7,8,9	X	Yellowstone
11,12	X	Western Dakotas
		Eastern Dakotas
18,19	X	Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

LOCATION

STATE(S): Wyoming

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
USGS													50			
WY Highway Comm.				55									50			

Agency Contact: Jack Carter USGS

Address: Denver Federal Center
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Ground 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

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 \$1,000										
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete
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

NAME OF PROGRAM: Ground 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 resources; (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 resources.

SUBREGION(S):

SUBBASIN(S):

	Basinwide
02	X Upper Missouri
7,8,9	X Yellowstone
11,12	X Western Dakotas
	Eastern Dakotas
18,19	X Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Missouri Basin

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	
USGS																	
WY State Engr.																	
WY Dept. of Economic Planning and Development				48													
City of Cheyenne																	

Agency Contact: Jack Carter

Address: Denver Federal Center
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Hydrologic Evaluation of the Arikaree Formation near Lusk, Wyoming

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: Define the ground water system in more detail than in previous studies. Determine the cause and effect relationship of current ground water development ; and provide a means of predicting cause and effect relationship of future ground water development.

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Lusk

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
USGS													50			
Wy Dept. of Economic Planning and Development				4									50			

Agency Contact: Jack Garter USGS

Address: Denver Federal Center
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Hydrology of Paleozoic Rocks in the Powder River Basin and Adjacent Areas in Wyoming

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: The project is designed to derive a conceptual model of the aquifer system to better predict the quantity and quality of water available from the paleozoic rocks and to predict some of the effects of its development. Principal objectives will be to determine: (1) the distribution, thickness, and physical properties of the aquifer system; (2) processes that developed the present distribution of aquifer parameters in order to extend point data to other parts of the aquifer system; (3) the potentiometric surface and chemical quality of the water in the aquifer system; and (4) the effects of increased development of water from the aquifer system.

	SUBREGION(S):	SUBBASIN(S):
		Basinwide
		Upper Missouri
08, 09	<input checked="" type="checkbox"/>	Yellowstone
12	<input checked="" type="checkbox"/>	Western Dakotas
		Eastern Dakotas
18	<input checked="" type="checkbox"/>	Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Powder River

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
USGS				128								X				

Agency Contact: Jack Carter USGS Address: Denver Federal Center Denver, Colorado 80225 Phone: FTS-234-5900

NAME OF PROGRAM: Impacts of Economic Development and Water Use of Water Resources in the Hanna Basin in Wyoming

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 describe the present characteristics of the hydrologic environment, to monitor changes in it, and to evaluate the effects of those changes, on the surface, peak and annual flows, channel geometry, sedimentation rates, erosion rates, uses, and quality of water will be investigated. In the subsurface, aquifer characteristics, ground water uses, and pumping amounts will be estimated.

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Hanna Basin

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
USGS				55								X				
BLM				4								X				

Agency Contact: Jack Carter USGS Address: Denver Federal Center Phone: Denver, Colorado 80225 FTS-234-5900

NAME OF PROGRAM: Quantitative Study of the Tertiary Aquifers in Southern Laramie County, Wyoming

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: Determine extent of ground water development for irrigation, industry, and municipal use and describe the effect of this development on water levels and stream discharge in the study area. Provide a means of predicting the effects of alternative ground water management decisions.

SUBREGION(S):

SUBBASIN(S):

- _____ Basinwide
- _____ Upper Missouri
- _____ Yellowstone
- _____ Western Dakotas
- _____ Eastern Dakotas
- 18,19 _____ x Platte Niobrara
- _____ Middle Missouri
- _____ Kansas
- _____ Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Laramie

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
USGS				11								X				
Wyoming State Engineer				6								X				
Wyoming Dept. of Economic Planning and Development				5								X				

Agency Contact: Jack Carter USGS

Address: Denver Federal Center
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Sediment 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 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											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
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

NAME OF PROGRAM: Sediment 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 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
02	<input checked="" type="checkbox"/> Upper Missouri
7,8,9	<input checked="" type="checkbox"/> Yellowstone
11,12	<input checked="" type="checkbox"/> Western Dakotas
	Eastern Dakotas
18,19	<input checked="" type="checkbox"/> Platte Niobrara
	Middle Missouri
	Kansas
	Lower Missouri

LOCATION

STATE(S): Wyoming

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
USGS												X	X			
ERDA												X				
USBR												X				
BLM				15								X				
WY State Engr.														X		
WY Dept. of Economic Planning and Development														X		

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. & Agmt.
- 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						
	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	
USGS Colorado				24													
USGS Iowa				160													
USGS Kansas				348													
USGS Minnesota				12													
USGS Missouri																	
USGS Montana			4820	715													
USGS Nebraska				790													
USGS North Dakota				235													
USGS South Dakota			2780	375													
USGS Wyoming				421													

Agency Contact: Jack Carter

Address: Denver Federal Center
Denver, Colorado, 80225

Phone: FTS-224-5900

NAME OF PROGRAM: Streamgaging Stations

LEAD AGENCY: United States Department of Interior/Geological Survey 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) 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. 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
<u>02</u>	<input checked="" type="checkbox"/>	Upper Missouri
<u>7,8,9</u>	<input checked="" type="checkbox"/>	Yellowstone
<u>11,12</u>	<input checked="" type="checkbox"/>	Western Dakotas
		Eastern Dakotas
<u>18,19</u>	<input checked="" type="checkbox"/>	Platte Niobrara
		Middle Missouri
		Kansas
		Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Missouri River Basin

STATEWIDE

Funding Source

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

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
USGS												X	X			
USBR												X				
BLM												X				
COE												X				
WY State Engr.				421									X			
WY Dept. of Economic Planning and Development													X			
City of Cheyenne													X			

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
- 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
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 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 water.

SUBREGION(S):

SUBBASIN(S):

- 02 Basinwide
- 7, 8, 9 Upper Missouri
- 11, 12 Yellowstone
- 18, 19 Western Dakotas
- Eastern Dakotas
- Platte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Wyoming

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
USGS												X	X			
ERDA												X				
USBR												X				
BLM				125								X				
EPA												X				
WY Game and Fish Comm.													X			
WY Agriculture Comm.													X			
WY Dept. of Envir. Quality													X			

Agency Contact: Jack Carter

Address: Denver Federal Center
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Water Resources Monitoring in the Powder River, South Central and Southwestern Coal Regions of Wyoming

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: Determine the characteristics of the regional water resources system and to detect and document changes in the system or in its components that may be associated with coal mining should changes occur.

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Powder River

STATEWIDE

Funding Source

D	S	G	L	O
i	h	r	o	t
r	a	a	a	h
e	r	n	n	e
c	r	t		r

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
USGS				175												

Agency Contact: Jack Carter USGS

Address: Denver Federal Center
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Water Resources of the Powder River Structural Basin in Wyoming in Relation to Energy Development

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: The objectives of the first phase will be to determine the adequacy of existing data to describe water availability and assess possible impact of the pending development, and to identify specific subjects that should be studied by the district. The findings of the first phase will be used to identify major thrusts for the second phase, which will constitute district's program in the basin during the succeeding four years. A data collection system will be designed, based on findings of the first phase, to meet data needs for thrusts and obtain benchmark information.

SUBREGION(S):

SUBBASIN(S):

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

LOCATION

STATE(S): Wyoming COUNTY(S)/VICINITY: Powder River

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
USGS				222												
Dept. of Energy (ERDA)				20												
BLM				30												

Agency Contact: Jack Carter USGS

Address: Denver Federal Center
Denver, Colorado 80225

Phone: FTS-234-5900

NAME OF PROGRAM: Conservation Management Plan - Upper North Platte River

LEAD AGENCY: United States Department of Interior/Heritage, Conservation and Recreation Service AUTHORITY(S): 88-29 & 88-578
(HCRS)

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
- 20 Natural, Hist., & Cult.
- Power and Energy
- 70 Recreation
- Transportation
- Water Quality Mgmt.
- Legal and Institutional
- 10 Instream Flows

DESCRIPTION

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

SUBREGION(S): SUBBASIN(S):

- Basinwide
- Upper Missouri
- Yellowstone
- Western Dakotas
- Eastern Dakotas
- 18, Piatte Niobrara
- Middle Missouri
- Kansas
- Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY: Upper North Platte River Basin in Wyoming

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	Local	Other
HCRS	est.			6	6	5	5	-	-	-		X				

Agency Contact: Emanuel Lauck
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 (HCERS) 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	Direct	Share (%)	Grant	Loan	Other
HCERS Colorado				2	2	2	2	2	2	2		X				
HCERS Iowa				2	2	2	2	2	2	2		X				
HCERS Kansas				2	2	2	2	2	2	2		X				
HCERS Minnesota				1	1	1	1	1	1	1		X				
HCERS Missouri	None															
HCERS Montana	None															
HCERS Nebraska				2	2	2	2	2	2	2		X				
HCERS North Dakota				2	2	2	2	2	2	2		X				
HCERS South Dakota				2	2	2	2	2	2	2		X				
HCERS Wyoming				2	2	2	2	2	2	2		X				

Agency Contact: Emanuel Lauck (HCERS)

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	\$1,000											Funding Source						
	ESTIMATED PROGRAM FUNDING											D	S	G	L	O		
	Cont.	Total	To Date	Budgeted 1979	FY 80	FY 81	FY 82	FY 83	FY 84	FY 85	Bal. to Complete	r	h	r	a	n	t	
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

R

NAME OF PROGRAM: State Comprehensive Outdoor Recreation Planning
 LEAD AGENCY: Department of Interior Heritage, Cultural and Recreation Services (HCERS) 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
- 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										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
HCERS - Colorado	X			5	5	5	5	5	5	5		X				
HCERS - Iowa	X			5	5	5	5	5	5	5		X				
HCERS - Kansas	X			5	5	5	5	5	5	5		X				
HCERS - Minnesota	X			3	3	3	3	3	3	3		X				
HCERS - Missouri	X			2	2	2	2	2	2	2		X				
HCERS - Montana				5	5	5	5	5	5	5		X				
HCERS - Nebraska	X			5	5	5	5	5	5	5		X				
HCERS - North Dakota				5	5	5	5	5	5	5		X				
HCERS - South Dakota	X			5	5	5	5	5	5	5		X				
HCERS - Wyoming	X			5	5	5	5	5	5	5		X				

Agency Contact: Emanuel Lauck
HCERS

Address: P. O. Box 25387
Denver, CO 80225

Phone: FTS 234-3523

NAME OF PROGRAM: Wild and Scenic River System Planning

LEAD AGENCY: Department of the Interior, Heritage, Cultural and Recreation Services (HCERS) 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	Loan	Other
HCERS - Colorado	X			2.5	2.5	2.5	2.5	2.5	2.5			X				
HCERS - Iowa	X			2	2	2	2	2	2			X				
HCERS - Kansas	X			5	5	5	5	5	5			X				
HCERS - Minnesota		DONE														
HCERS - Missouri	X			5	5	5	5	5	5			X				
HCERS - Montana	X			2	2	2	2	2	2							
HCERS - Nebraska	X			3	3	3	3	3	3			X				
HCERS - North Dakota	X			3	3	3	3	3	3			X				
HCERS - South Dakota	X			5	5	5	5	5	5			X				
HCERS - Wyoming		NO ACTIVITY														

Agency Contact: Emanuel Lauck
HCERS

Address: P.O. Box 25387
Denver, CO 80225

Phone: FTS 234-3523

R

NAME OF PROGRAM: Big Horn Canyon National Recreation Area, Montana and Wyoming

LEAD AGENCY: United States Department of Interior/National Park Service (NPS) 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: DES on GMP which includes wilderness now in preparation.

PURPOSE OR OBJECTIVES: To determine what the problems are and to come up with viable alternatives on how they can be solved.

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

LOCATION

STATE(S): Montana Wyoming
 COUNTY(S)/VICINITY: Big Horn - Lovell, Montana
 Carbon - Big Horn - Wyoming
 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
NPS				50								X				

Agency Contact: Charles Adams
 National Park Service

Address: P.O. Box 25287
 Denver, CO 80225

Phone: FTS 234-4943

NAME OF PROGRAM: John D. Rockefeller, Jr., Memorial Parkway, Wyoming

LEAD AGENCY: United States Department of Interior/National Park Service (NPS) 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: GMP assessment and preferred plan has cleared policy review. To be refined and ready for public review this summer.

PURPOSE OR OBJECTIVES: To determine what the problems are and to come up with viable alternatives on how they can be solved.

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

LOCATION

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

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
NPS				40								X				

Agency Contact: Charles Adams
National Park Service

Address: P.O. Box 25287
Denver, CO 80225

Phone: FTS 234-4943

NAME OF PROGRAM: John D. Rockefeller, Jr., Memorial Parkway, Wyoming

LEAD AGENCY: United States Department of Interior/National Parks Service (NPS) AUTHORITY(S): P.L. 104

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 present water and sewer system is substandard in nature and barely meets public health service requirements.

PURPOSE OR OBJECTIVES: To provide for completion of a water and sewer system meeting standards to serve concession, park service development that may be constructed and/or rehabilitated in the implementation of the DCD.

SUBREGION(S): SUBBASIN(S):

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

LOCATION

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

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	Local	Other
NPS				1,209								x				

Agency Contact: Charles Adams
National Park Service

Address: P.O. Box 25287
Denver, CO 80225

Phone: FTS 234-4943

NAME OF PROGRAM: Monitoring Waste Water Effluent in Yellowstone Park

LEAD AGENCY: United States Department of Interior/National Parks Service (NPS) 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 determine: (1) Position of the water table and its relation to the ponds and nearby surface water bodies; (2) The slope of the water table and thus the direction of movement of the effluent; (3) Ground water velocities and thus the time of travel of effluent from pond to surface water body; (4) The vertical zone of movement of the effluent; and (5) Baseline water quality in the shallow aquifers in the vicinity of the percolation ponds and in surface water bodies.

SUBREGION(S): _____ SUBBASIN(S): _____

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

LOCATION

STATE(S): Wyoming 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
NPS				10								X				

Agency Contact: Jack Carter, USGS

Address: Denver Federal Center
Denver, Colorado 80225

Phone: FTS-234-5900

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
- 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
- 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:

SUBREGION(S):

- SUBBASIN(S):
- Basinwide
 - Upper Missouri
 - Yellowstone
 - Western Dakotas
 - Eastern Dakotas
 - 18, 19, 20 Platte Niobrara
 - Middle Missouri
 - Kansas
 - 27, 30 Lower Missouri

LOCATION

STATE(S):
Missouri
Kansas
Nebraska
Wyoming

COUNTY(S)/VICINITY: Route of the Oregon Trail 1841-48, starting at Independence, Missouri

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	
NPS																	

Agency Contact: Bill Farrand
National Park Service

Address: 1709 Jackson St.
Omaha, Ne 68102

Phone: FTS 864-3482

NAME OF PROGRAM: Trails West Study, Nebraska
 LEAD AGENCY: Nebraska Department of Economic Development AUTHORITY(S): 39 Stat. 535

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: Determine suitability for national trail.

PURPOSE OR OBJECTIVES:

- SUBREGION(S): _____
 SUBBASIN(S):
 _____ Basinwide
 _____ Upper Missouri
 _____ Yellowstone
 _____ Western Dakotas
 _____ Eastern Dakotas
 18, 20, 21 X Platte Niobrara
 _____ Middle Missouri
 _____ Kansas
 _____ Lower Missouri

LOCATION

STATE(S): Nebraska Wyoming
 COUNTY(S)/VICINITY: Platte and North Platte corridors

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
NPS		50		50								X				

Agency Contact: Gayle Lewis Address: 301 Centennial Mall, South Phone: FTS 867-2081
Nebraska Natural Resources Commission Box 94876
Lincoln, NE 68509

NAME OF PROGRAM: Yellowstone National Park - Wyoming, Montana, and Idaho

LEAD AGENCY: United States Department of Interior/National Park Service (NPS) AUTHORITY(S): P.L. 141

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 Canyon Water System is supplied from surface sources and, therefore, subject to both intentional and chance contamination. The water quality for spring runoff is very poor.

PURPOSE OR OBJECTIVES: This system must be constructed in order to not be in violation of the 1974 Drinking Water Act.

SUBREGION(S): SUBBASIN(S):

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

LOCATION

STATE(S): Montana
Wyoming

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
NPS				2,117								X				

Agency Contact: Charles Adams
National Park Service

Address: P.O. Box 25287
Denver, CO 80225

Phone: FTS 234-4943

NAME OF PROGRAM: Yellowstone National Park, Wyoming, Montana, and Idaho

LEAD AGENCY: United States Department of Interior/National Park Service (NPS) AUTHORITY(S): P.L. 614

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
- 2 _____ Upper Missouri
- 7 _____ Yellowstone
- _____ Western Dakotas
- _____ Eastern Dakotas
- _____ Platte Niobrara
- _____ Middle Missouri
- _____ Kansas
- _____ Lower Missouri

LOCATION

STATE(S): Wyoming

COUNTY(S)/VICINITY:

STATEWIDE

FUNDING SOURCE/AGENCY	ESTIMATED PROGRAM FUNDING \$1,000											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	Local	Other
NPS				5,000								X				

Agency Contact: Charles Adams
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