

## **MONTANA FISH, WILDLIFE & PARKS FINAL PERFORMANCE REPORT**

**STATE:** Montana  
**GRANT TITLE:** Fisheries Management Program  
**GRANT AGREEMENT NUMBER:** F-113-R-5

**REPORT PERIOD:** July 1, 2004 through June 30, 2005 (FY 2005)

The following report covers all objectives funded through the Grant Agreement. The objectives are stated, and a brief summary of work accomplished is included. More detailed reports on most projects are maintained in the Helena Fisheries Division library.

### **PROJECT 1: FISHERIES SURVEY AND INVENTORY**

Continuing drought conditions shifted work from some categories (i.e. fish stocking, stream permits, monitoring spawning) to others (habitat monitoring, river surveys, small stream surveys, lake/reservoir/pond surveys, and fish health). See the attached tables that quantify work proposed at the beginning of the grant period, along with accomplishments through the end of this year.

#### **Activity 1: Survey and Inventory – Region Surveys**

##### **Objectives:**

- To survey and monitor the characteristics, status and trends of fish populations and angler use and harvest on selected streams and lakes.
- To annually assess and monitor habitat conditions in selected waters.
- To identify opportunities to improve aquatic habitats along with native and sport fish production.

These objectives were met. More detailed information regarding survey and inventory accomplishments is included in the attached Survey and Inventory Table. Reports for area projects are on file at FWP in Helena.

##### **Accomplishments-**

A total of 53 rivers and 159 tributary streams were surveyed statewide during the report period. Many of the surveys were a continuation of long-term quantitative population estimates. Additionally, 261 lakes, reservoirs and ponds were surveyed to assure continuation of quality fishery resources. Together, there was a significant increase in work accomplished as compared to the anticipated effort for the year.

Fewer locations were sampled to determine spawning success, fry survival, and recruitment than was anticipated (114 sites sampled compared to 139 sites anticipated). Some of the decline is the result of reduced field crews because supplemental funding sources were no longer available and additional WB funding was not forthcoming. Samples taken since whirling disease was first discovered in Montana waters show more than 146 waters (up from 60 three years ago and 120 last year) to be impacted by the disease. These locations are generally in southwestern and central Montana, although it has recently begun to expand in northwestern and south central Montana as well. Sport fisheries in many of Montana's major rivers could be impacted by whirling disease in the future and research is ongoing to find methods for mitigating the potential problems associated with trout recruitment.

Measures of habitat quality were gathered statewide on lakes and streams. Much of the monitoring of substrate and stream flow is being done in relation to bull trout and Westslope cutthroat trout research in western Montana. Continuing drought conditions since 2000 have required additional stream flow monitoring in order to implement the statewide drought management policy. This policy provides for the emergency closure of streams to angling when water flow and temperature reach critical levels for fish survival.

### **Fish Health Management Project**

The Fish Health Management Project (FHMP) is located at the Montana FWP Fish Health Lab in Great Falls. This project is responsible for issuing import permits, wild fish transfer permits and transport permits in order to ensure fish health considerations are incorporated into fish transfers into and within Montana.

One of the most important disease control activities conducted by the FHMP is the oversight of fish imports into Montana. An import permit is required for the importation of any fish (any species), except fish intended for use in home or office aquariums. FWP reviews all import requests, whether by State, federal or private entities. Permits are issued for all fish entering the State whether the import is intended to be stocked into state waters, private ponds, private or government fish hatcheries, or just traveling through Montana in interstate commerce. These requirements are necessary to help prevent exotic diseases/organisms from negatively impacting Montana's sport fisheries.

During FY2005, a total of 72 import permits were issued. This includes permits issued for all fish and fish eggs legally imported into Montana.

Fish managers who move fish from one location in Montana to another must seek approval through a wild fish transfer permit from the FWP Fish Health Committee. The committee reviews all transfer requests and approves transfers based upon fish health concerns, species issues and other considerations. If an environmental assessment is required, the committee ensures it is conducted prior to movement of any fish.

During FY2005, 11 wild fish transfers were approved for six different fish species.

## **Activity 2. Angler Surveys and Technical Assistance**

### **Objectives:**

- To monitor angler use and distribution, annual harvest rates, and angler opinions.
- To develop and manage fisheries data systems for the Fisheries Division, and conduct surveys of angler use, angler preference, and economic valuation of Montana's fisheries resources.

These objectives were met and there were no variances in work or timing. Work was performed statewide as planned, and as per the Grant and Grant Agreement.

### **Accomplishments -**

Roving creel crews were assigned to Fort Peck Reservoir, Rock Creek, and Cooney Reservoir. These surveys generally require two years to complete. Detailed reports are maintained in the Helena Fisheries Division Library. Creel results are used to develop management plans and regulations.

The 2005 Statewide Angler Use Mail Survey was completed. The reports were written and are being printed under a separate cover to be distributed in December 2005. The 2007 Statewide Angling Use survey was begun. The survey estimates angler use on individual bodies of water as well as angler satisfaction. Also included again this year were questions on angler crowding and the quality of the experience. Estimates are defined by a number of factors such as: residency, season, drainage, region, stream or lake, and warm or cold water species. A couple of new questions were added to this year's survey, which included an attempt to estimate the angler's knowledge of the state's fish health guidelines and to determine how many anglers are consuming fish from those waters with warnings posted. The design was such that follow-up questionnaires may be sent to those anglers that had consumed fish.

The principle species caught in winter and summer from the data collected from the angler log program are listed below:

<b>Region</b>	<b>Winter</b>	<b>Summer</b>
1 - Northwestern Montana	Yellow perch	Cutthroat trout
2 - Western Montana	Rainbow trout	Cutthroat trout
3 - Southwestern Montana	Yellow perch	Rainbow trout
4 - North Central Montana	Yellow perch	Rainbow trout
5 - South Central Montana	Rainbow trout	Rainbow trout
6 - Northeastern Montana	Yellow perch	Walleye
7 - Southeastern Montana	Bass	Crappie
Statewide	Yellow perch	Rainbow trout

Some other accomplishments include:

Maintaining, modifying, or updating databases and computer systems such as: the lake and stream name file and cataloging system; the hatchery production computer program (projections, production, and plants); fish planting records and query program; private pond

database to track and control fish species introductions into drainages around the state; planting requests and updates for the next five years. Work continued on the Fish Analysis Plus (FA+) computer program. An estimate database feature was added that allows the user to store estimates and to compare among or between them. The program has attracted attention from other states and is available by contacting the FWP information services unit in Bozeman, MT.

The angler log program was continued. Data was collected from 249 volunteer angler log holders. An annual newsletter was produced and distributed to log holders and to anyone that requested one, and the information was included on the FWP web page. The January 2005 newsletter is attached. Information obtained from this program tracks the trends of catch rates and species composition on individual bodies of water for more than 30 years. The program also summarizes the data by Fish, Wildlife & Parks regions, showing how many fish are caught per hour and per day in the summer, winter seasons, and also annually by region.

### **Activity 3. Montana Fisheries Information System Support**

#### **Objectives:**

- Maintain, enhance and update the Montana Fisheries Information System (MFISH, used to be MRIS but renamed with the inclusion of lakes) databases and a Geographic Information System that will provide the department and other agencies with current, accessible information on the distribution, biological, and social values of Montana's aquatic resources.
- Provide this data over the Web in a query based program and train state and federal users when necessary.
- Support fisheries management activities using MFISH data and interface with the Natural Heritage Program.
- Develop further access to MFISH data via the FWP website through stocking records on-line and a "Montana Fishing Guide".
- Work with Division personnel on the development of new databases and modifications to existing databases.

Data was updated in the MFISH tables through personal interviews with state and federal fisheries biologists, reports and other documents, and results from the University of Montana's Genetic Lab. Internet access to MFISH data continued through programming by the Natural Resource Information System. The new "recreational" approach to some of the data in MFISH, *the Montana Fishing Guide*, <http://fwp.state.mt.us/fishing/guide/default.aspx>, has been well received and modifications to the system were developed this year. Modifications to the system included the ability to add comments (fishing report, drought updates, etc.) to the system using an interface housed on the FWP internal website.

MFISH was used extensively for the development of the aquatic components of the Comprehensive Fish and Wildlife Conservation Strategy. Data was used to rank species, map distribution, and determine future actions and recommendations. Additionally, updates were made to the Future Fisheries Program database, which is part of MFISH but has a separate system for tracking projects internally.

Over 40 map and web requests were filled by the Fisheries Division including support for the development of a Statewide Fisheries Management Plan and numerous features were added to the FWP website under the Fishing directory.

Some financial support was provided to the Natural Resource Information System to ensure data dissemination outside of the department and to support the MFISH system and the Fishing Guide.

## **PROJECT 2: TECHNICAL GUIDANCE**

### **Activity 1.    Region Expertise**

#### **Objectives:**

- Review hydraulic projects conducted by government agencies that have the potential to affect fisheries resources, and provide technical advice and decisions to mitigate effects of these activities to aquatic resources .
- Provide landowners and other private parties with technical advice and information to sustain and enhance fisheries resources.

These objectives were met. Fisheries Management efforts in aquatic education are blended into the many duties of regional field personnel. Despite continuing drought conditions, there were more stream projects than anticipated. The only activity that showed a decrease was in the number of agency MEPA/NEPA projects requiring FWP review. This decrease may partially be the result of legislative changes in Montana's environmental policy act that eliminated the requirement for some review. More detailed information regarding technical guidance accomplishments is included in the attached Technical Guidance Table at the end of this report.

Technical guidance efforts statewide focus primarily on the State's two stream protection laws as well as environmental review required under MEPA. A statewide Warm Water Fisheries Management Plan, developed in 1997, serves as guidance for warm water fish activities. Development of water-specific fisheries management plans (i.e. Rock Creek Fisheries Management Plan, in progress but expected to be completed next summer) provides direction for fisheries activities on a local basis.

Miscellaneous permits issued to government agencies under authority of the Stream Protection Act (commonly called 124 permits) totaled 331 statewide, a slight decline from last year but above projected estimates. FWP also issued 126 Stream Protection Act Permits directly to the Montana Department of Transportation. Additionally, FWP reviewed 1,275 privately sponsored projects under the advisory authorities related to the Natural Streambed and Land Preservation Act (referred to as 310 permits). Conditions outlined in these permits helped minimize or prevent impacts of these projects on aquatic resources. Cooperation of informed private and government entities is an important element of the permitting program.

Statewide, 181 MEPA documents were prepared by department fisheries personnel. The majority of these documents were required for introduction of fish into ponds where the species had not

previously existed or been legally stocked. This requirement is intended to curtail the spread of exotic fish species. However, this has caused a substantial workload for managing small fisheries contained in ponds. This is almost a 50% reduction from last year at may be a direct result of legislative changes in MEPA requirements.

Most technical assistance education efforts (75%) are focused in three main areas: news releases, presentations to organizations, and presentations/demonstrations to school age youth. More than 434 group contacts were made statewide in this manner. The FWP Fisheries Division staff supported the aquatic education programs by providing their time and expertise to the scheduled events. The “Hooked on Fishing, Not on Drugs” program reached more than 4,500 students in nearly 200 classrooms. The Montana Angling Youth (MAY) Club newsletter reaches some 4,000 young club members through free subscriptions. In all, aquatic education programs reach over 35,000 people statewide.

Other efforts include involvement with youth fishing days, workshops, and sampling with volunteers. In recent years the department has increased emphasis on these efforts. Our field personnel have responded quite favorably to this shift and have incorporated volunteers into a variety of field activities when possible.

## **Activity 2.   Habitat Protection Coordination**

### **Objective:**

- To coordinate the habitat protection program and assure effective implementation of applicable state and federal laws in order to minimize development impacts on aquatic resources statewide.

Objectives were met with no variances in work or timing; work was performed as described in the grant agreement.

### **Accomplishments -**

Regional fisheries biologists and a contractor assigned to Montana Department of Transportation Projects reviewed plans for 457 hydraulic projects, including 61 state highway projects, under authority of the Stream Protection Act. The Stream Protection Act regulates government agencies that conduct projects requiring alteration of the bed or banks of streams. Permits were issued with specific stipulations required to prevent damage to streams and fish habitat.

Regional fisheries biologists and contractors hired to assist biologists with stream permitting reviewed plans for approximately 1,275 hydraulic projects under authority of the Natural Streambed and Land Preservation Act. Permits are issued by county Conservation Districts. The Natural Streambed and Land Preservation Act regulates private entities who conduct projects that require alteration of the bed or banks of streams. Biologists and consultants recommended specific conditions required to prevent damage to streams and fish habitat.

This project does not involve construction work by Montana Fish, Wildlife and Parks.

## **PROJECT 3. FISH POPULATION MANAGEMENT**

### **Activity 1. Region Fish Management**

#### **Objective:**

- To implement fish stocking programs and/or fish eradication actions to maintain fish populations at levels consistent with habitat conditions and other limiting factors.

This objective was met. Again this year, slightly fewer cold-water lakes/reservoirs were stocked than originally projected because of low water conditions. More detailed information regarding fish population management accomplishments is included in the attached table.

An important aspect of fish population management conducted by FWP involves fish stocking. As explained on page 28 of the Grant (F-113-R1-6) regional fisheries personnel determine where hatchery-reared fish need to be stocked. The Hatchery Bureau Chief manages the stocking program and compiles the requests into a five-year stocking needs assessment, included in the Statewide Hatchery Operations and Maintenance (F-51-D) Grant. The actual rearing and stocking of fish is conducted by hatchery personnel and is funded under F-51-D.

#### **Accomplishments -**

Cold water species account for about 87% of the stocking. A total of 456 cold water ponds, lakes and reservoirs were stocked. This was a slight decrease from what was anticipated and is attributed to the continuing drought conditions in Montana. Several lakes and ponds were considered too low to stock.

Stocking of warm water fish was accomplished in 78 lakes and reservoirs, statewide. This is close to what was originally projected despite ongoing drought conditions. For regional details see the attached Fish Population Management Table.

The attached table also shows that under this grant, WB funded personnel identified several waters that need to be chemically treated to eradicate introduced fishes. However, as per the grant AFA, no WB funds were used to chemically treat rivers or streams for the purpose of eradicating fishes. Any eradication efforts on rivers or streams were accomplished using state and private funds, following an environmental review under the Montana Environmental Policy Act (MEPA).

The Fish Health Management Project conducts annual certification inspections at all State and private hatcheries with domestic and wild brood stocks, conducts trouble shooting diagnostics for all hatcheries, wild fish health investigations, and fish kills. The project is located at the Montana FWP Fish Health Lab in Great Falls, where preparation for fieldwork is conducted, as well as most trouble shooting diagnostics. All certification lab work is conducted for FWP at the U.S. Fish and Wildlife Service Bozeman Fish Health Center under a contract between USFWS and FWP. In addition, much of Montana's whirling disease research-related diagnostics is conducted for FWP through a contract with the Washington Animal Disease Diagnostic Laboratory at Washington State University.

**Fish Health Inspections Conducted During FY 2005:**

A total of 102 fish health inspections were conducted during FY 2005. This includes all hatchery inspections, fisheries management-related inspections, fish kill investigations and specific research projects, including Westslope cutthroat trout restoration and recovery projects.

<b>Inspection Category</b>	<b>Number of Inspections</b>
State Fish Hatcheries	30
Commercial Fish Hatcheries	15
Federal Fish Hatcheries	2
Private Ponds	4
Lakes	16
Streams	35
<b>Total Number of FY2005 Inspections</b>	<b>102</b>

**PROJECT 4: STATEWIDE PROGRAMS AND COORDINATION****Activity 1. Federal Aid Coordination and Audit****Objectives:**

- To establish and maintain management control systems adequate to meet the requirements for participation in and administration of the Montana's Federal Aid in Sport Fish Restoration Program.
- To conduct the agency's biennial audit in accordance with the Single Audit Act.

The objectives were met and there were no variances in work or timing. Work was performed statewide as planned and as per the Grant and Grant agreement, including:

- Maintain eligibility to participate in Federal Aid programs.
- Ensure that project proposals submitted for Federal Aid participation meet applicable program standards.
- Ensure that planned work is accomplished within the Grant Agreement period.
- Annually certify to the number of paid hunting and sport fishing license holders in the state during the most recent period feasible.
- Ensure that Federal Aid reporting requirements are met.

Specific accomplishments included overseeing 21 WB grants, which included 7 regular WB, 1 PR/WB, and 13 WB motorboat access grants.

**Activity 2. Fishing Access Site Coordination****Objective:**

- To coordinate the acquisition, development, and maintenance of the fishing access site system to provide public access for fishing statewide.
- To coordinate, design, and monitor fishing access facility and maintenance and improvement projects to provide safe and enjoyable fishing and boating opportunities statewide.



Federal Aid grants currently being administered include:

- O&M Grant F- 95-B. This grant provides funding for the day-to-day operations and maintenance of 60 water-based Fishing Access Sites and 13 State Parks. A separate year-end performance report will be filed for this O&M grant.
- The Federal Aid Grant Application for Echo Lake (F124-B) was just recently approved. This is a \$165,000 boat ramp project on a very popular lake near Kalispell, MT. Construction is scheduled to begin in the spring of 2006.
- Federal Aid Project F-119-B is for several boat ramp extensions at various lakes and rivers in the Kalispell area. These projects have all been completed with the exception of Whitefish Lake. Whitefish Lake State Park boat ramp will be a fall 2005 project.
- Woods Bay Boat Ramp and Dock Project, F-54-B, has been completed with the exception of the dock. The project has been finalized with the contractor and we are just waiting for the dock to be delivered. Delivery is expected to be in September, 2005.
- Daily Lake Boat Ramp Extension Project, F-123-B, is scheduled for fall 2005 construction.
- F-62-DB is a dock project for Willow Creek, Eureka, Pishkun, Harrison Lake, and Dredge Cuts FASs. It also includes a boat ramp extension at Duck Creek FAS on Fort Peck and boat ramp and parking area improvements at Dredge Cuts FAS. The Harrison Lake dock, which was matched with a private donation, has been completed. The improvements at Dredge Cuts have also been completed with the exception of the dock. All the docks with the exception of Harrison Lake are scheduled for September delivery. The boat ramp extension at Duck Creek FAS is scheduled for fall 2005 construction.
- The low water boat ramp project at Lake Francis, F-115-B-2, has been completed.
- F-120-B, the Lewis and Clark FAS improvement project, went out for bid in July but did not get any bidders. It is speculated that the contractors in this rural area were busy for the summer. The job will be released for bid again this fall (2005).

### **Expenditure Recap:**

Proposed:

	Federal Share		Match		Total
Direct Costs	2,934,313.23		1,152,892.00		4,087,205.23
Indirect @ 17.87%	524,361.77				524,361.77
Total	3,458,675.00	75.0%	1,152,892.00	25.0%	4,611,567.00

\* Indirect was not charged to equipment

Actual:

	Federal Share		Match		Total
Direct Costs	2,826,628.27		1,103,545.36		3,930,173.63
Indirect	484,879.04				484,879.04
Total	3,311,507.31	75.0%	1,103,545.36	25.0%	4,415,052.67

**Project Personnel**

Karen Zacheim	Management Bureau Chief, Fisheries Division	406-444-3301
Adam Brooks	Federal Aid Program Manager	406-444-3032

\* Additional MFWP regional staff are identified in the original Grant.

**Attachments:**

**Tables Summarizing Survey and Inventory Accomplishments**  
**Fishing Log Newsletter – January 2005**  
**Expenditures Summary**

# MONTANA FISH WILDLIFE & PARKS – FISHERIES DIVISION- ANNUAL PERFORMANCE REPORT

Grant Title: Statewide Fisheries Investigations  
 Grant Number: F-113-R-5  
 Report Period: July 1, 2004 through June 30, 2005

## Project 1: SURVEY AND INVENTORY

### Activity 1: Region Activities

	<u>Region 1</u>		<u>Region 2</u>		<u>Region 3</u>		<u>Region 4</u>		<u>Region 5</u>		<u>Region 6</u>		<u>Region 7</u>		<b><u>TOTAL</u></b>	
	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actual</u>
<b><u>Population Estimates and Inventory</u></b>																
# of rivers surveyed	5	7	3	8	9	18	4	9	10	6	2	2	3	3	36	53
# of small streams surveyed	12	34	15	47	38	25	10	27	5	20	4	3	0	3	84	159
# of lakes/reservoirs/ponds surveyed	15	32	12	24	17	49	30	43	50	52	35	31	30	30	189	261
<b><u>Monitoring Spawning</u></b>																
# of streams/lakes monitored	20	26	21	15	18	17	6	15	30	2	3	2	2	1	100	78
# streams monitored for fry survival/recruitment	25	24	3	3	8	8	2	1	0	0	0	0	1	0	39	36
<b><u>Habitat Monitoring</u></b>																
Limnological monitoring	8	12	5	27	1	41	5	44	1	2	0	0	0	1	20	127
Stream bank habitat monitoring	3	5	10	6	0	5	0	2	1	4	0	0	0	1	14	23
Substrate monitoring	10	31	0	15	0	1	0	0	0	4	0	0	0	0	10	51
Stream flow monitoring	3	10	0	16	8	33	0	8	1	0	3	3	2	2	17	72
<b><u>Creel Census</u></b>																
Creel surveys	1	10	6	3	2	3	3	6	1	1	2	1	1	1	16	25
Mail surveys/creel card surveys	1	3	1	0	2	0	1	2	1	0	0	1	1	1	7	7

## Project 2: TECHNICAL GUIDANCE

	<u>Region 1</u>		<u>Region 2</u>		<u>Region 3</u>		<u>Region 4</u>		<u>Region 5</u>		<u>Region 6</u>		<u>Region 7</u>		<u>TOTAL</u>	
	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actual</u>
<b><u>Review &amp; Comment on other Agency Projects</u></b>																
Stream Protection Act (124 permits)	100	70	60	67	30	97	70	40	20	17	20	30	20	10	320	331
SPA Projects (MT Dept. of Trans.)	-		-	-	-	-	-	-	-	-	-	-	-	-	-	126
Helena-based SPA reviews																
“310” projects	275	247	245	265	350	380	80	197	175	160	40	15	12	11	1,177	1,275
Review other agency projects (NEPA, MEPA)	160	139	115	47	20	77	20	8	60	123	20	10	10	4	405	408
Prepare MEPA environmental assessments	80	70	20	34	30	12	30	24	35	27	20	5	10	9	225	181
<b><u>Technical Advice on Private Projects</u></b>																
Habitat, aquaculture, private ponds	185	210	50	40	80	78	80	220	80	70	30	20	20	23	525	661
<b><u>Technical Assistance for Youth and Public Programs/Education</u></b>																
	<u>Actual</u>		<u>Actual</u>		<u>Actual</u>		<u>Actual</u>		<u>Actual</u>		<u>Actual</u>		<u>Actual</u>		<u>TOTAL</u>	
															<u>Actual</u>	
Presentations for school children	48		12		20		16		24		5		4		129	
Presentations at club meetings	24		18		29		15		10		10		3		109	
Kids fishing days	9		1		6		3		2		6		12		39	
Releases for media	9		12		29		11		10		15		4		90	
Workshops, symposia	4		5		5		7		6		7		2		36	
Sampling with volunteers	10		26		14		3		10		150+		7		220	
Other unique educational opportunities	26		4		3		27		9		2		-		71	

## Project 3: FISH POPULATION MANAGEMENT

	<u>Region 1</u>		<u>Region 2</u>		<u>Region 3</u>		<u>Region 4</u>		<u>Region 5</u>		<u>Region 6</u>		<u>Region 7</u>		<u>TOTAL</u>	
	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actu</u>	<u>Est</u>	<u>Actual</u>
<b><u>Fish Stocking</u></b>																
# of cold water lakes and reservoirs	160	125	60	80	45	38	90	85	29	24	52	49	55	55	486	456
# of warm/cool water lakes and reservoirs	0	10	0	0	1	3	20	22	14	4	20	19	25	20	80	78
# of streams	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
<b><u>Fish Transferred</u></b>																
# of times fish are moved to another water body	2	1	3	2	1	2	2	6	1	0	10	9	2	1	21	21
<b><u>Fish Eradicated and Restocked</u></b>																
# of waters where fish are to be removed [note: see discussion in report narrative]	1	0	0	0	0	2	2	2	1	3	3	2	2	0	9	9

**FY 2004 GRANT AGREEMENT SUMMARY**

F-113-R5

Montana Statewide Fisheries Management Program  
Summary of Estimated Costs and Objectives

Project/ Activity	Title/Objectives	Page in Grant	Budgeted FY 2005	FY 2005 Expenditures
<b>Project 1. Survey and Inventory</b>				
Activity 1	<u>Region Surveys</u>	14	\$ 1,779,810	\$ 1,712,262
	1. To survey and monitor the characteristics, status and trends of fish populations and angler use and harvest on selected streams and lakes. 2. To annually assess and monitor habitat conditions in selected waters. 3. To identify opportunities to improve aquatic habitats along with native and sport fish production.			
				<b>\$ 67,548</b>
Activity 2	<u>Angler Surveys</u>	18	\$ 213,621	\$ 274,578
	1. To monitor angler use and distribution, annual harvest rates, and angler opinions. 2. To develop and manage fisheries data systems for the Fisheries Division, and conduct surveys of angler use, angler preference, and economic valuation of Montana's fisheries resources.			
				<b>\$ (60,957)</b>
Activity 3	<u>Montana Rivers Information Systems Support</u>	64	\$ 35,501	\$ 32,588
	1. Maintain, enhance and update the MRIS databases and a Geographic Information System that will provide the department and other agencies with current, accessible information on the distribution, biological, and social values of Montana's aquatic resources. 2. Serve these data over the Web in a query based program and train state and federal users when necessary. 3. Support fisheries management activities using MRIS data.			
				<b>\$ 2,913</b>
<b>Project 2. Technical Guidance</b>				
Activity 1	<u>Region Expertise</u>	22	\$ 1,317,778	\$ 1,196,344
	1. Review projects by government agencies that have the potential to affect fisheries resources, and provide technical advice and decisions to mitigate effects on these resources. 2. Provide landowners and other private parties with technical advice and information to sustain and enhance fisheries resources.			
				<b>\$ 121,434</b>
Activity 2	<u>Habitat Protection Coordination</u>	25	\$ 86,231	\$ 77,167
	1. To coordinate the habitat protection program and assure effective implementation of applicable state and federal laws in order to minimize development impacts on aquatic resources statewide.			
				<b>\$ 9,064</b>

### Project 3. Fish Population Management

Activity 1	<u>Region Fish Management</u>	27	\$	392,950	\$	373,314
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1. To implement fish stocking programs and/or fish eradication actions to maintain fish populations at levels consistent with habitat conditions and other limiting factors.

**\$ 19,636**

### Project 4. Statewide Program Coordination

Activity 1	<u>Federal Aid Coordination and Audit</u>	31	\$	24,159	\$	23,165
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1. To establish and maintain management control systems adequate to meet the requirements for participation in and administration of the Montana's Federal Aid in Sport Fish Restoration Program.  
2. To conduct the agency's biennial audit in accordance with the Single Audit Act.

**\$ 994**

Activity 2	<u>Fishing Access Site Coordination</u>	32	\$	74,951	\$	79,419
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1. To coordinate the acquisition, development, and maintenance of the fishing access site system to provide public access for fishing statewide.

**\$ (4,468)**

	Budgeted	Actual FY 05
TOTAL DIRECT COSTS: 75% Federal + 25% State	\$ 3,925,001	\$ 3,768,838
Equipment		\$ 151,012
Indirect @ projected rate of 17.87%	\$ 686,566	\$ 646,505
(Note: Indirect is not included for equipment #3819.)		
Total Direct plus Indirect costs	\$ 4,611,567	\$ 4,566,355
 Federal Direct	\$ 2,943,751	\$ 2,826,628
Equipment		\$ 113,259
Federal Indirect Base		\$ 2,713,369
Federal Indirect	\$ 514,925	\$ 484,879
Federal Share (75%) with overhead	\$ 3,458,676	\$ 3,311,507
 State Share (25%) Direct	\$ 1,152,892	
Fisheries Division		\$ 1,098,545
A&F Division Pool		\$ 5,000
Total		\$ 1,103,545