

RESIDENT FISH STOCK STATUS ABOVE CHIEF JO. AND GRAND COULEE

9700400

SHORT DESCRIPTION:

Assess stock status of resident fish species and associated habitats in the areas above Chief Joseph and Grand Coulee Dams

SPONSOR/CONTRACTOR: Kalispel Tribes

Kalispel Tribes

Jason Scott, Fisheries Biologist

Usk, WA 99180

509-445-1147

osterman@povn.com,

jrscott@sisna.com

SUB-CONTRACTORS:

Washington Department of Fish and Wildlife, Spokane

Tribe of Indians, Confederated Tribes of the Colville

Reservation

GOALS

GENERAL:

Supports a healthy Columbia basin, Maintains biological diversity, Maintains genetic integrity, Increases run sizes or populations, Provides needed habitat protection, Adaptive management (research or M&E), Program coordination or planning

RESIDENT FISH:

Habitat, Production, Research, M&E

NPPC PROGRAM MEASURE:

10.8B.26

RELATION TO MEASURE:

This is a resident fish substitution project as a partial mitigation for the loss of anadromous fish above Chief Joseph and Grand Coulee Dams

OTHER PLANNING DOCUMENTS:

Kalispel Natural Resource Department Fish and Wildlife Management Plan

TARGET STOCK

All species in the blocked area

LIFE STAGE

All

MGMT CODE (see below)

RSH

BACKGROUND

Stream name:

All waters above Chief Joseph and Grand Coulee Dam

Subbasin:

Lower Pend Oreille Subbasin

HISTORY:

N/A

BIOLOGICAL RESULTS ACHIEVED:

N/A

ADAPTIVE MANAGEMENT IMPLICATIONS:

Currently there is not a formal coordinated effort in management strategies by management strategies that manage waterbodies that are connected. The current project will identify fishery trends throughout the blocked area, identify data gaps, and enable managers to coordinate management efforts such that fish assemblages are managed to increase recreational opportunities while protecting and enhancing stable or declining native species.

PURPOSE AND METHODS

SPECIFIC MEASUREABLE OBJECTIVES:

This project would develop measurable objectives for fish species currently lacking biological objectives in the blocked area and adhere to those objectives currently in section 10.8B of the NPPC Program, provide common methodologies and database storage for management agencies, thus have a coordinated effort in management strategies.

CRITICAL UNCERTAINTIES:

Funding will be available for planning, implementation, monitoring and evaluation of this project.

BIOLOGICAL NEED:

To identify, protect and enhance resident fish populations above Chief Joseph and Grand Coulee Dams.

HYPOTHESIS TO BE TESTED:

N/A

METHODS:

Compile data by a standardized method and compiled into a standardized database such as GIS. With this data storage and cooperative efforts between management agencies define gaps in data, recommend research, and implement management strategies that will enhance and/or protect fish resources.

PLANNED ACTIVITIES

SCHEDULE:

Planning Phase	Start 12-20-96	End 12-20-97	Subcontractor ST, CCT, WDFW
Task coordinate with other agencies to determine needs, design a database storage system, and methodology design			
Implementation Phase	Start 12-21-97	End ongoing	Subcontractor ST, CCT, WDFW
Task database construction, studies to fill data gaps, implement strategies determined to benefit desirable fish populations and/or assemblages			

PROJECT COMPLETION DATE:

ongoing

CONSTRAINTS OR FACTORS THAT MAY CAUSE SCHEDULE OR BUDGET CHANGES:

N/A

OUTCOMES, MONITORING AND EVALUATION

SUMMARY OF EXPECTED OUTCOMES

Expected performance of target population or quality change in land area affected:

A fully implemented management plan that is concentrating on the aquatic ecosystem.

Assumed historic status of utilization and conservation potential:

This area historically supported large runs of anadromous salmon and steelhead along with healthy populations of non-anadromous fish that were utilized as a subsistence fisheries. Because anadromous fish have been precluded from this area, conservation of non-anadromous fish is essential

Long term expected utilization and conservation potential for target population or habitat:

Maintain a fish population that produces as much harvestable biomass as did pre-dam conditions

Contribution toward long-term goal:

identification of current population structure and interactions that lead to recommendations of successful fishery enhancement

Coordination outcomes:

Coordinated management effort between Kalispel Tribe, Colville Tribes, Spokane Tribes, and WDFW

MONITORING APPROACH

Compile data by a standardized method and compiled into a standardized database such as GIS. These methods are yet to be determined.

Information feed back to management decisions:

Understanding of fish stocks, assemblages, and interactions will allow managers to more successfully manage fish resources

EVALUATION

If a better understanding of the fish assemblages is achieved in a way that enables more productive management strategies.

RELATIONSHIPS

RELATED BPA PROJECT

RELATIONSHIP

9104600
9104700
9500900
9001800 Spokane Tribal Hatchery; Sherman Creek Hatchery; Lake Roosevelt Net Pens; Habitat Improvement Project

87-127-00 project tags juveniles later detected at mainstem projects

OPPORTUNITIES FOR COOPERATION:

USFS, Spokane Tribe, Colville Tribes, WDFW, and possibly IDFG, MFWP, Cour d Alene Tribe, British Columbia because this project will focus on managing the blocked area as an ecosystem, thus all connected waterbodies and associated management agencies should be incorporated at some capacity

COSTS AND FTE

1997 Planned: \$17,280

FUTURE FUNDING NEEDS:

PAST OBLIGATIONS (incl. 1997 if done):

<u>FY</u>	<u>\$ NEED</u>	<u>% PLAN</u>	<u>% IMPLEMENT</u>	<u>% O AND M</u>
1998	\$390,000	25%	75%	
1999	\$405,000	25%	75%	
2000	\$421,000	25%	75%	
2001	\$438,000	25%	75%	
2002	\$438,000	25%	75%	

<u>FY</u>	<u>OBLIGATED</u>
1997	\$17,356
TOTAL:	\$17,356

Note: Data are past obligations, or amounts committed by year, not amounts billed. Does not include data for related projects.

OTHER NON-FINANCIAL SUPPORTERS:

USFS, MFWP, IDFG, B.C., UCUT

LONGER TERM COSTS: \$438,000+ for planning, implementation, and O&M

1997 OVERHEAD PERCENT: 22%

HOW DOES PERCENTAGE APPLY TO DIRECT COSTS:

[Overhead % not provided so BPA appended older data.] Portion
