

BOX CANYON WATERSHED PROJECT

9700300

SHORT DESCRIPTION:

Cooperative development and implementation of projects to protect or restore fish habitat and water quality for the Pend Oreille watershed.

SPONSOR/CONTRACTOR:

Kalispel Tribe

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SUB-CONTRACTORS:

N/A

GOALS

GENERAL:

Supports a healthy Columbia basin, Provides needed habitat protection

WATERSHED:

Assessment/action plan development, Implementation

RESIDENT FISH:

Habitat

NPPC PROGRAM MEASURE:

10.2B

RELATION TO MEASURE:

This project is focused on identifying upland areas impacting or having the potential to impact fisheries activities currently addressed through in-stream measures. Once identified, these areas are to have project measures proposed to reduce and/or eliminate those impacts to the fishery resource.

TARGET STOCK

Bull trout

Westslope cutthroat trout

LIFE STAGE

MGMT CODE (see below)

(P),W

W

AFFECTED STOCK

Various wildlife

Brown trout

BENEFIT OR DETRIMENT

Beneficial

Beneficial

BACKGROUND

Stream name:

Cee Cee Ah Creek

Subbasin:

Lower Pend Oreille River

Stream miles affected:

9

Land ownership:

various

HISTORY:

Not applicable

BIOLOGICAL RESULTS ACHIEVED:

Not applicable

PROJECT REPORTS AND PAPERS:

Not applicable

ADAPTIVE MANAGEMENT IMPLICATIONS:

Not applicable

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.

CRITICAL UNCERTAINTIES:

Funding implementation of this project.

BIOLOGICAL NEED:

To protect resident fish populations within Box Canyon Reservoir and its tributaries.

HYPOTHESIS TO BE TESTED:

Not applicable

ALTERNATIVE APPROACHES:

N/A

JUSTIFICATION FOR PLANNING:

Those efforts will provide the basis of on the ground implementation of beneficial projects

METHODS:

Use existing habitat assessment data to determine areas of present and potential upland impacts and propose projects to minimize or eliminate upland associated impacts to instream habitat and health.

PLANNED ACTIVITIES

SCHEDULE:

Planning Phase **Start** January 97 **End** April 97 **Subcontractor** No

Task Identify areas of focus in Cee Cee Ah Creek.

Implementation Phase **Start** April 97 **End** Unknown **Subcontractor** Possible

Task Propose and implement upland projects that protect, improve, or augment existing in-stream habitat and overall stream health.

O&M Phase **Start** 98 **End** ongoing **Subcontractor** No

Task Provide O & M for projects within the watershed.

PROJECT COMPLETION DATE:

Ongoing

CONSTRAINTS OR FACTORS THAT MAY CAUSE SCHEDULE OR BUDGET CHANGES:

None.

OUTCOMES, MONITORING AND EVALUATION

SUMMARY OF EXPECTED OUTCOMES

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

The watershed approach, including participation in cooperative watershed projects and The Pend Oreille Watershed Committee (POWC) which consists of agencies, landowners, interest groups and the Kalispel Natural Resource Department. Members of POWC bring project proposals before the group for discussion and, where appropriate, cooperative implementation. Among the specific implementation measures being considered by POWC: streamside road relocation on USFS and industrial timberland; a series of public education events; an industry-sponsored watershed analysis project on mixed ownership; and tribal fish habitat improvement projects on mixed ownership.

Present utilization and conservation potential of target population or area:

Presently open to the public and provides timber resources. Has a high potential to provide high quality habitat and protections for fishery population improvement and overall stream health.

Assumed historic status of utilization and conservation potential:

Area was heavily utilized for timber extraction. Conservation potential remains high.

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

Improved upland conditions that contribute to, rather than degrade, stream health.

Contribution toward long-term goal:

Protect and enhance resident fish for future harvest.

Indirect biological or environmental changes:

Unknown

Physical products:

Unknown

Environmental attributes affected by the project:

Water temperature, instream flow, decreased sedimentation, decreased embeddness, increased trout, and habitat availability.

Changes assumed or expected for affected environmental attributes:

Near term changes will be negligible. However, long term changes will contribute to habitat requirements of native salmonids within the stream.

Assessment of effects on project outcomes of critical uncertainty:

N/A

Information products:

Habitat quality and quantity through the assessment methodology used by the Kalispel Resident Fish project.

Coordination outcomes:

Unknown at this time.

MONITORING APPROACH

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

Provisions to monitor population status or habitat quality:

These methods are identified in the Kalispel Resident Fish project.

Data analysis and evaluation:

Pre-assessment data will be compared to post-assessment data to evaluate the effectiveness of enhancement measures.

Information feed back to management decisions:

By utilizing adaptive management techniques, we intend upon modifying techniques based upon new information.

Critical uncertainties affecting project's outcomes:

By providing for stable funding levels to the tribe.

EVALUATION

Project success can be measured by the direct effect upon the habitat as measured through the Kalispel resident fish project.

Incorporating new information regarding uncertainties:

By utilizing adaptive management strategies.

Increasing public awareness of F&W activities:

Through involvement in local watershed committees and public outreach conducted by the Kalispel Natural Resource Department.

RELATIONSHIPS

RELATED BPA PROJECT

5503600 Yellow Perch Aquaculture Facility (Unfunded Resident Fish Project) 5503500 Resident Fish Stock Status Above Chief Joseph and Grand Coulee Dams (ongoing Resident Fish Project) 9500100 Kalispel Tribe Resident Fish (Ongoing Resident Fish Project)

RELATIONSHIP

Unfunded resident fish substitution project. Improve knowledge of fish stocks to manage those species more effeciently. Project implementation to restore fish habitat.

RELATED NON-BPA PROJECT

Pend Oreille County Watershed Committee

RELATIONSHIP

Implementation of projects

OPPORTUNITIES FOR COOPERATION:

Potential project cooperation from USFS, private land owners, and private timber companies.

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	\$66,500	10%	80%	10%
1999	\$69,200	10%	75%	15%
2000	\$72,000	10%	75%	15%
2001	\$74,900	10%	75%	15%

<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:

Pend Oreille Conservation District, USFWS, USFS, NRCS, WDFW, and private timber companies.

LONGER TERM COSTS: ~ \$75,000 adjusted for inflation.
Continued implementation

1997 OVERHEAD PERCENT: 28.7%

HOW DOES PERCENTAGE APPLY TO DIRECT COSTS:
Direct costs minus capital equipment and contract services.

CONTRACTOR FTE: 1 FTE

SUBCONTRACTOR FTE: N/A
