
PART I - ADMINISTRATIVE

Section 1. General administrative information

Title of project

Clearwater Subbasin Focus Watershed Program - Iscc

BPA project number: 9608600
Contract renewal date (mm/yyyy): 2/2000 **Multiple actions?**

Business name of agency, institution or organization requesting funding
Idaho Soil Conservation Commission

Business acronym (if appropriate) ISCC

Proposal contact person or principal investigator:

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NPPC Program Measure Number(s) which this project addresses
Fish and Wildlife Program Sections: 3.1, 4.1, 7.6, 7.7, 7.8

FWS/NMFS Biological Opinion Number(s) which this project addresses

Other planning document references

The Clearwater Focus Watershed Program is co-coordinated between Idaho (Soil Conservation Commission) and the Nez Perce Tribe (Tribal Fisheries-Watershed Department). The Clearwater River subbasin was designated a Focus program through the process described in the Columbia River Basin Fish and Wildlife Program Section 7.7. Idaho Governor Batt named the Clearwater River subbasin for a FWP Focus Program. Letters of support have been received from: Clearwater Resource Conservation and Development Council, Inc., Idaho Dept. of Agriculture, Idaho Dept of Lands, Idaho Dept of Fish & Game, Plum Creek Timber Co., and Potlatch. Corp. Cooperative efforts have also included: BLM, BPA, Clearwater BAG, DEQ, NMFS, NRCS, SWCDs - 5 in subbasin, USFS (Clearwater and Nez Perce), and USFWS.

Short description

Coordinate multiple jurisdictions, agencies and private interests to protect, restore, and enhance anadromous and resident fish, and wildlife in the Clearwater River subbasin.

Target species

All fish and wildlife with emphasis on *Oncorhynchus tshawytscha*, *O. mykiss*, *Salvelinus confluentus*

Section 2. Sorting and evaluation

Subbasin

Clearwater

Evaluation Process Sort

CBFWA caucus	Special evaluation process	ISRP project type
Mark one or more caucus	If your project fits either of these processes, mark one or both	Mark one or more categories
<input checked="" type="checkbox"/> Anadromous fish <input type="checkbox"/> Resident fish <input type="checkbox"/> Wildlife	<input type="checkbox"/> Multi-year (milestone-based evaluation) <input checked="" type="checkbox"/> Watershed project evaluation	<input checked="" type="checkbox"/> Watershed councils/model watersheds <input type="checkbox"/> Information dissemination <input type="checkbox"/> Operation & maintenance <input type="checkbox"/> New construction <input type="checkbox"/> Research & monitoring <input checked="" type="checkbox"/> Implementation & management <input type="checkbox"/> Wildlife habitat acquisitions

Section 3. Relationships to other Bonneville projects

Umbrella / sub-proposal relationships. List umbrella project first.

Project #	Project title/description
9608600	Clearwater Subbasin Focus Watershed Program - ISCC
9901400	Restore Anadromous Fish Habitat in the Little Canyon Creek Subwatershed
9901500	Restore Anadromous Fish Habitat in the Nichols Canyon Subwatershed

Other dependent or critically-related projects

Project #	Project title/description	Nature of relationship
9706000	NPT Clearwater Focus Program	Co-coordination w/ ISCC program
9303501	Enhance Fish, Riparian and Wildlife Habitat w/i the Red River Watershed	Focus restoration in subbasin-Idaho SWCD
9901600	Protecting and Restoring Big Canyon Creek Watershed	Focus restoration in subbasin-NPT

9901700	Rehabilitate Lapwai Creek	Focus restoration in subbasin-NPT
9607702	Protecting and Restoring the Lolo Creek Watershed	Focus restoration in subbasin-NPT
9607703	Protecting and Restoring the Squaw and Papoose Creek Watersheds	Focus restoration in subbasin-NPT
9607704	Final Design for Fish Passage Improvements at Eldorado Falls	Focus restoration in subbasin-NPT
9607705	Restore McComas Meadows	Focus restoration in subbasin-NPT

Section 4. Objectives, tasks and schedules

Past accomplishments

Year	Accomplishment	Met biological objectives?
1997	Completed inventory needs from existing data for Focus Program development FWP Section 7.7B.2	
1998	Coordinated Little Canyon Creek project development	
1998	Coordinated Nichols Canyon project development	

Objectives and tasks

Obj 1,2,3	Objective	Task a,b,c	Task
1	Coordinate with NPT Focus Program	a	Develop project proposals in priority areas that have multiple land status.
		b	Assist NPT Focus projects as requested.
		c	Develop Focus program annual report in conjunction with NPT.
2	Program Management for Implementation projects: Little Canyon Creek and Nichols Canyon subwatersheds	a	Perform as liaison for project work with local, state, tribal, and federal agencies in subbasin.
		b	Perform oversight review for attainment of objectives of each sub-proposal.
		c	Facilitate development plans for third year of project work.
3	Coordinate Potlatch River Watershed Project	a	Convene technical advisory team (agencies, LSWCD, tribe,

			landowners, Potlatch Corp) to complete watershed planning process and document.
		b	Work with team to develop projects and enlist sponsors.
		c	Facilitate projects development and prioritization of proposals for FY2001.
4	Interface and Coordinate with DEQ where TMDL Process for CWA section 303(d) listed streams in Subbasin Correlate	a	Monitor TMDL process and bull trout assessment to determine where implementation plans will correlate with objectives of the FWP.
		b	Facilitate project development and TMDL coordination when correlation occurs.
5	Public Outreach and Research	a	Provide publishing and distribution functions for Focus projects, give presentations at public meetings, coordinate workshops.
6	Investigate and Coordinate Other Funding Sources and Programs	a	Develop opportunities for cost sharing and participation with other funding sources: federal (BLM, EPA, NRCS), state, and industry.
		b	Investigate opportunities for implementation of complementary projects on adjacent project areas, e.g. BLM and private land.
7	Project Progress Documentation	a	Prepare four quarterly status reports and one summary report compiling subbasin activities.

Objective schedules and costs

Obj #	Start date mm/yyyy	End date mm/yyyy	Measureable biological objective(s)	Milestone	FY2000 Cost %
1	2/2000	1/2001			10.00%
2	2/2000	1/2001			25.00%
3	2/2000	12/2000			35.00%
4	2/2000	1/2001			5.00%
5	2/2000	1/2001			10.00%
6	2/2000	1/2001			10.00%
7	2/2000	1/2001			5.00%
				Total	100.00%

Schedule constraints

Availability of technical specialists in subbasin for project planning and development;
time needed for co-coordinator assistance with on-the-ground projects

Completion date

2015

Section 5. Budget

FY99 project budget (BPA obligated): \$85,212

FY2000 budget by line item

Item	Note	% of total	FY2000
Personnel	Co-coordinator 1 FTE	%43	38,600
Fringe benefits	@33%	%14	12,750
Supplies, materials, non-expendable property	Public meetings and workshops, publishing, I/E, postage	%17	15,000
Operations & maintenance	Vehicle operation	%3	3,000
Capital acquisitions or improvements (e.g. land, buildings, major equip.)	Monitoring Equipment	%7	6,000
NEPA costs		%0	
Construction-related support		%0	
PIT tags	# of tags:	%0	
Travel		%7	6,000
Indirect costs	@10%	%9	8,100
Subcontractor		%0	
Other		%0	
TOTAL BPA FY2000 BUDGET REQUEST			\$89,450

Cost sharing

Organization	Item or service provided	% total project cost (incl. BPA)	Amount (\$)
ISCC	Vehicle	%4	3,600
NRCS	Phone, fax, furniture, office copying	%3	3,000
		%0	
		%0	
Total project cost (including BPA portion)			\$96,050

Outyear costs

	FY2001	FY02	FY03	FY04
Total budget	\$95,000	\$100,000	\$100,000	\$100,000

Section 6. References

Watershed?	Reference
<input checked="" type="checkbox"/>	Bonneville Power Administration. 1997. Watershed management program: final environmental impact statement.
<input type="checkbox"/>	Clearwater Focus Watershed Project: review and update. 1997.
<input type="checkbox"/>	Columbia River Basin fish and Wildlife Authority. 1998. FY1999 draft annual implementation work plan, vol I..
<input type="checkbox"/>	Columbia River Basin fish and Wildlife Authority. 1994. Columbia River basin fish and wildlife program.
<input checked="" type="checkbox"/>	Colubia River Inter-Tribal Fish Commission. 1994. Wy-kan-ush-mi Wa-kish-wit (spirit of the salmon).
<input checked="" type="checkbox"/>	Huntington, Charles. 1994. Final report: fish habitat and salmonid abundance within managed and unroaded landscapes on the Clearwater National Forest, Idaho. Prepared for ICBEMP.
<input checked="" type="checkbox"/>	Idaho Department of Fish and Game. 1996. Clearwater River drainage: anadromous fish management plan 1996-2000.
<input checked="" type="checkbox"/>	Independent Scientific Group. 1996. Return to the river, restoration of salmonid fishes in the Columbia River ecosystem.
<input checked="" type="checkbox"/>	Meehan, William (ed). 1991. Influences of forest and rangeland management on salmonid fishes and their habitats.
<input checked="" type="checkbox"/>	National Marine Fisheries Service. 1997. Decision matrix.
<input checked="" type="checkbox"/>	National Marine Fisheries Service. 1995. Proposed recovery plan for Snake River salmon.
<input checked="" type="checkbox"/>	Nez Perce Tribe and Idaho Department of Fish and Game. 1990. Clearwater River subbasin salmon and steelhead production plan.
<input checked="" type="checkbox"/>	Nez Perce Tribe and U.S. Treaty. 1855.
<input checked="" type="checkbox"/>	Schnepf, C. and Hasselstrom, K. 1995. Idaho soil conservation districts supervisors' handbook
<input type="checkbox"/>	U.S. Burea of Land Management (DOI). 1993. Riparian ara management: greenline riparian-wetland monitoring. Technical Reference 1737-8
<input checked="" type="checkbox"/>	U.S. Forest Service, Clearwater National Forest. 1997. Assessment of the 1995 & 1996 floods and landslides on the Clearwater National Forest.
<input checked="" type="checkbox"/>	U.S. Forest Service and U.S. Bureau of Land Management. 1997. Interior Columbia basin ecosystem management project: upper Columbia River basin draft environmental impact statement.
<input type="checkbox"/>	U.S. Forest Service and U.S. Bureau of Land Management. 1995. PACFISH.
<input type="checkbox"/>	50 CFR Parts 222 and 1227

PART II - NARRATIVE

Section 7. Abstract

This proposal requests funding to continue the Idaho Soil Conservation Commission's Clearwater Focus Program in Fiscal Year 2000. The program's main objective is to maximize fisheries habitat restoration by coordinating work efforts and funding sources within the Clearwater River subbasin. The ISCC Focus Program coordinates work in the western portion of the subbasin where agricultural lands and corporate timber lands predominate. Work in the eastern subbasin, where federally managed lands predominate, is coordinated by the Nez Perce Tribe. Watersheds that have been documented as important to anadromous fish have been evaluated to determine the potential for project development. Two projects have so progressed and in Fiscal Year 2000, the ISCC Clearwater Focus Program will continue to provide assistance to two soil and water conservation districts to implement agricultural Best Management Practices to improve A-run steelhead trout habitat. During Fiscal Year 2000, the Potlatch River project will be resumed to complete watershed condition analysis, restoration planning and documentation. This project was part of a cooperative effort between local, state, tribal, federal agencies, and private landowners that was disbanded when area agencies were unable to refill vacated staff positions. Project planning to restore steelhead trout habitat in the watershed will be conducted. The project area includes private, corporate timber, state managed, and Nez Perce Tribal lands. The TMDL and bull trout processes in the Clearwater subbasin will be completing implementation plans during the Fiscal Year and will provide opportunities for project coordination. The ISCC Focus Program will continue to coordinate with the Nez Perce Tribal Focus Program on project work and public outreach for the Focus Program.

Section 8. Project description

a. Technical and/or scientific background

This proposal is to continue coordination work for habitat restoration by the ISCC Clearwater River Subbasin Focus Program. The ISCC Focus Program Fiscal Year 2000 proposal is an umbrella to two projects, Little Canyon Creek subwatershed BPA No. 9901400 and Nichols Canyon subwatershed BPA No. 9901500. **Bold type in section 8 is relative to the two sub-proposals and the Focus Program umbrella.**

The Clearwater River subbasin which originates in the Bitterroot mountain range on the Idaho-Montana border, is a tributary to the lower Snake River and drains approximately 9,645 square miles. There are three major tributaries to the Clearwater River including the North Fork, the Middle Fork which originates at the confluence of the Lochsa and Selway Rivers, and the South Fork. There are numerous tributaries to the mainstem of the Clearwater River, the largest of which is the Potlatch River. Mean

annual discharge for the subbasin is 15,290 cfs with a range of 500 to 177,000 cfs. (IDFG, 1996)

Land management actions in the Clearwater River subbasin are representative of natural resource economies and include agriculture, logging, mining, and livestock ranging. The effects on habitat from land management decisions include: sedimentation, lack of large woody debris, diminished flow regimes, and increased water temperature. "These problems have caused reductions in the quality and quantity of habitat including fragmentation that has resulted in poor connectivity." (CBFWA, 1998, p158)

Based on the aboriginal history of the Nez Perce Tribe, anadromous fish managers conclude that the historical numbers of chinook salmon and steelhead trout returning to the Clearwater River were substantial prior to construction of dams on the Columbia River and the Lewiston dam on the Clearwater River. (NPT and IDFG, 1990) The Lewiston dam was removed in 1972, re-opening major habitat for anadromous fish, although Dworshak Dam was completed in 1973 closing access to all of the North Fork (2,490 square miles). Fall chinook salmon have been listed as threatened under the Endangered Species Act in the Clearwater River mainstem to the confluence of Lolo Creek since 1992. Steelhead trout were listed as threatened under the ESA effective October 1997; although included as populations of the ESU, Dworshak National Fish Hatchery, Imnaha Hatchery, and the Oxbow Hatchery stocks are not listed as currently essential. (50 CFR Parts 222 and 227, p43950) Bull trout were listed under the ESA as threatened effective July 1997.

The Clearwater River subbasin was designated a Focus Program under the Columbia River Basin Fish and Wildlife Program (FWP), Section 7.7A.4, in November 1996. The program is sponsored by the Idaho Soil Conservation Commission (ISCC) and the Nez Perce Tribal Fisheries Watershed Department (NPT), each retaining a separate coordinator to jointly administer the program. The purpose of the program is to coordinate protection, enhancement, and restoration of fisheries habitat in the Clearwater River subbasin from a total watershed perspective

Co-coordination between the state and tribe has enabled efficient management of issues relative to the subbasin: size, multiple and widespread resource uses, jurisdictional issues related to local, state, tribal, and federal management, and land ownership. The eastern half of the subbasin is mainly national forest land, while the western half is largely private land (agricultural), including corporate timber holdings. There is also a scattering of BLM and state land. The exterior boundaries of the Nez Perce Indian Reservation makes up approximately 13% of the subbasin, although much of the land is held in fee by non-tribal members. Sixty-three miles of the mainstem Clearwater River and 11 miles of the South Fork are included within reservation boundaries. The entire subbasin is part of the Nez Perce ceded lands, consequently, the tribe participates as co-managers on federal lands.

The Focus Program management strategy concentrates project development by the ISCC co-coordinator in the western subbasin and the NPT co-coordinator in the

eastern. Projects are jointly developed by the co-coordinators in watersheds with multiple jurisdictional considerations and project assistance occurs frequently regardless of land status. The unique partnership between Idaho State and the Nez Perce Tribe provides a strong network to connect resource managers and users in the Clearwater River subbasin.

The first projects developed by the ISCC Focus Program and funded by BPA were the Little Canyon Creek and Big Canyon Creek watersheds in Fiscal Year 1999. These two areas were selected because watershed analysis and planning had been completed and habitat importance for A-run steelhead trout documented. Watershed planning was conducted under the sponsorship of the respective soil and water conservation districts (SWCD) with technical support from the Natural Resources Conservation Service (NRCS), Idaho Soil Conservation Commission (ISCC), other local, state, tribal, and federal agencies represented by a cross section of resource disciplines, and private landowners. The result of the process was implementation of agricultural best management practices (BMPs) to reduce nonpoint source pollution with funding from the Idaho State Agricultural Water Quality Program (SAWQP) and technical assistance from NRCS.

Funding from the SAWQP was limited so it was decided to commit funds only to the upper subwatersheds in both Little Canyon Creek and Big Canyon Creek. In early 1998, the SAWQP was discontinued. Project funds for Fiscal Year 1999 were awarded by BPA to implement treatments in the subwatersheds that had not been funded under SAWQP. The Lewis SWCD sponsored the Little Canyon Creek subwatershed project (BPA No. 9901400) and the Nez Perce SWCD sponsored the Nichols Canyon subwatershed project (BPA No. 9901500).

The Fiscal Year 2000 proposals are to continue these two on-the-ground projects under the ISCC Focus Program umbrella and sponsorship of the Lewis and Nez Perce SWCDs.

Soil and water conservation districts are subdivisions of state government. Each is governed by a board of five or seven supervisors who are local residents who serve without pay. All supervisors are elected officials and must be landowners (including urban property owners located within district boundaries) or farm operators in the district to which they are elected. Soil and water conservation districts develop and implement programs to protect and conserve natural resources on nonfederal lands. (Schnepf and Hasselstrom, 1995) Districts organize technical advisory groups for projects and call upon local, state, tribal, and federal agencies specialists, industry representatives, and interested individuals. All SWCDs have staff to administer district business and public outreach projects.

b. Rationale and significance to Regional Programs

Following is a discussion about the significance of the ISCC Focus Program umbrella and sub-proposals to the Columbia River Basin Fish and Wildlife Program (FWP).

FWP Section 4.1, Salmon and Steelhead Rebuilding Principles: These projects reflect five of the six principles. 1) A-run steelhead trout, the species of concern in the watersheds, is a weak upriver species and a possible wild population. (USFWS and NPT, 1997) Steelhead trout in the Snake River Evolutionarily Significant Unit are listed under the ESA, although Dworshak National Fish Hatchery, Imnaha Hatchery, and Oxbow Hatchery stocks are not currently considered essential. (50 CFR Parts 222 and 227) 2) The projects will increase aquatic and upland diversity by restoring and enhancing habitat availability. 3) The projects proposed are coordinated through the Focus Program and are derived from watershed-wide planning for natural resource improvement activities. 4) The proposed continuation of on-the-ground projects are located entirely within the exterior boundaries of the Nez Perce Reservation. Identification of the two watersheds as priority steelhead trout areas was made under DOE/BPA contract DE-A179-83BP10068, work conducted by the NPT Tribal Fisheries Department. The watershed of concern to the Clearwater Focus Program is entirely within NPT ceded lands. 5) A U.S. Fish and Wildlife Service research project has been ongoing since 1994 to study the interactions between A-run and B-run (hatchery) steelhead trout in the lower mainstem Clearwater River. Some of this work has been conducted in the Big Canyon/Little Canyon Creek system. The project was approved for BPA funding in Fiscal Year 1999. Coordination between the research project and habitat work may further hypotheses development. 6) This principle is not applicable.

FWP Section 7.6 Habitat Goal, Policies, and Objectives: Fiscal Year 2000 funding for the Focus Program and on-the-ground projects proposed will continue implementation of agricultural BMPs in the sub-proposal watersheds to reduce nonpoint source pollution and begin the process of retaining water in the watershed longer to improve steelhead trout spawning and rearing habitat. The projects are for work that complements other actions in the upper portions of the watersheds being conducted by state, tribal, and federal agencies. Habitat objectives defined in FWP Section 7.6 will be used to evaluate the progress of habitat restoration.

FWP Section 7.7 Cooperative Habitat Protection and Improvement with Private Landowners: The planning documents used to develop the sub-proposals emphasized agricultural lands within the SWCDs. While most of the lands within both subwatersheds are privately owned, other ownership will not be precluded from participation in the program. In any case, BMP implementation will include voluntary participation by the landowners and/or operators. The designation of the Clearwater River subbasin as a Focus Program directly supports FWP Section 7.7.

Other Regional Plans: Work proposed in both of the sub-proposals were developed from planning documents that were prepared for watershed level analysis and planning. Both the Lewis SWCD (Little Canyon Creek subwatershed) and Nez Perce SWCD (Nichols Canyon subwatershed) 5-year plans identify the respective watersheds as priority areas for resource restoration and enhancement work. Other regional plans listed in Section 1 of this document recommend restoration of habitat in tributaries of the mainstem Clearwater River. Resource protection, enhancement, and restoration on a watershed scale is endorsed by every local, state, tribal, and federal agency within the Clearwater River subbasin.

Section 7.8 is relative to the umbrella proposal and functions of the Clearwater Focus Program. Because the co-coordinators represent state and tribal governments, the relationship with state and federal agencies is direct. The ISCC co-coordinator's office is located in the Moscow, ID NRCS service cluster and a strong network for communication with all natural resource agencies in the subbasin has been developed.

c. Relationships to other projects

The two sub-proposals under the Clearwater Focus Program umbrella seek project funding for the second year of a five year project. The sub-proposals are coordinated with project work in the upper portions of each watershed. The terms watershed and subwatershed in these sub-proposals are used to continue usage originating in the planning documents from which the projects were developed. Regardless of the accuracy of use, the geographic relationship between the two sub-proposals follows.

Little Canyon Creek is the primary tributary of Big Canyon Creek. Big Canyon Creek is a tributary to the Clearwater River. Big Canyon Creek is divided into three subwatersheds, they are: Cold Springs, Sixmile-Posthole Canyon, and Nichols Canyon. Little Canyon Creek is divided into three subwatersheds, they are: Holes Creek, Long Hollow Creek, and Little Canyon Creek. The Little Canyon Creek subwatershed enters the Nichols Canyon subwatershed three miles above the Clearwater River.

The following Fiscal Year 1999 BPA funded projects are related geographically:

1. Lewis SWCD restoration work in Little Canyon Creek subwatershed . (BPA No. 9901400)
2. Nez Perce SWCD restoration work in Nichols Canyon subwatershed. (BPA No. 9901500)
3. The NPT restoration work in the upper Big Canyon Creek watershed. (BPA Project. No. 9901600)
4. USFWS/NPT A-run and B-run steelhead trout research project.

Idaho State Agricultural Water Quality Programs were initiated in 1996 in the upper subwatersheds of Little Canyon Creek and Big Canyon Creek. The programs address water quality issues and designated beneficial uses important to anadromous fish.

The Bureau of Land Management manages approximately 4,000 acres within the Big Canyon Creek and Little Canyon Creek watersheds. BLM is developing habitat restoration plans for those lands and maintains two water quality testing stations, one at the mouth of Little Canyon Creek and one above its confluence with Big Canyon Creek.

The Clearwater River Focus Program is co-coordinated between the Idaho Soil Conservation Commission (BPA Project No. 9608600) and the Nez Perce Tribal Fisheries/Watershed Department (BPA Project No. 9706000). The co-coordinators work with all agencies in the Clearwater River subbasin to maximize efforts between agencies and funding sources. All habitat restoration projects that request BPA funding in the Clearwater River subbasin are developed either through or in conjunction with the ISCC and NPT Focus Programs.

d. Project history (for ongoing projects)

The ISCC Clearwater Focus Program (BPA Project No. 9608600) was initiated in late 1996. A program co-coordinator was hired, but resigned in April, 1997. A new co-coordinator was hired in June, 1997. When the Fiscal Year 1999 contract begins in February 1999, approximately \$125,742.00 will have been expended since the project began. All relative inventories required by FWP Section 7.7B have been compiled and used for project development for Fiscal Years 1998, 1999, and 2000. (The Clearwater Focus Watershed Project, 1997)

The Little Canyon Creek subwatershed (BPA Project No. 9901400) and the Nichols Canyon subwatershed (BPA Project No. 9901500) were approved for Fiscal Year 1999 BPA funding. These two projects will be initiated in February 1999 for BMP implementation during the third and fourth quarters of Fiscal Year 1999.

e. Proposal objectives

This proposal requests continuation of BPA funding for the Clearwater River Focus Program to coordinate, plan, develop, and implement fish and wildlife habitat enhancement and restoration projects. The Focus Program umbrella provides for administration, planning, and coordination work, **sub-proposals are for BPA funds for on-the-ground project implementation.**

Objective 1: Coordinate with NPT Focus Program

- a) Develop joint project proposals in areas with mixed land status.

- b) Assist NPT Focus projects by participating with existing NPT projects to assist with recruiting private landowner participation.
- c) Prepare joint annual report for the NPPC.

Objective 2: Program oversight for Little Canyon Creek subwatershed and Nichols Canyon subwatershed.

- a) **Perform as liaison for SWCD work with local, state, tribal, and federal agencies to coordinate project objectives and develop future joint projects.**
- b) **Evaluate sub-proposal objectives progress and track potential need for programmatic modification. Both Fiscal Year 2000 sub-proposals have identical objectives and methodologies. This is because approval for the Fiscal Year 1999 proposal was received almost coincidentally with the Fiscal Year 2000 solicitation and consequently implementation has not begun. Differences between the two implementation projects will emerge after the workshops to recruit participants occurs in February 1999.**
- c) **Facilitate project planning for third project year.**

Objective 3: Coordinate Completion of Planning for Potlatch River Watershed Project

- a) Recruit and convene an interdisciplinary technical advisory team to complete watershed analysis and planning for project that was initiated in 1995 by the NRCS and Latah SWCD, but discontinued in 1996 due to funding and staff shortages.
- b) Facilitate development of projects from planning process and establish a prioritization process. Initiate proposal development for Fiscal Year 2001.

Objective 4: Work with groups involved with TMDL process and bull trout assessments in subbasin to coordinate projects where implementation plans correlate with FWP goals and objectives.

- a) Identify programmatic correlation of TMDL process and bull trout assessments with FWP objectives.
- b) Coordinate project development where correlation occurs.

Objective 5: Public Outreach – Public Education

- a) Assist SWCD with publication and distribution of newsletters. Continue public presentations and coordination workshops.

Objective 6: Investigate Potential to Coordinate Multiple Funding Sources

- a) Develop opportunities for cost sharing with other programs and agencies, e.g., BLM, EPA, NRCS, and IDFG programs, industry, and private foundations.
- b) Investigate opportunities to implement complementary projects.

Objective 7: Project Documentation

a) Prepare four quarterly reports and one summary report compiling subbasin activities, the latter in cooperation with the NPT Focus Program.

f. Methods

Scope The ISCC Clearwater Focus Program emphasizes habitat restoration work in the western half of the subbasin coordinating funding sources and technical assistance from agencies with responsibilities and authorities on private lands. The ISCC and NPT Focus Programs coordinate jointly on project development in watersheds with variable ownership patterns.

Approach The approach to coordinating habitat work through the ISCC Focus Program is based on administrative functions, systems analysis, research, and communication, although the ISCC co-coordinator also participates in project work whenever possible. The Focus Program umbrella also organizes and coordinates functions such as, GIS support through the ISCC Moscow, ID office and University of Idaho, water quality monitoring support through the Idaho Association of Soil Conservation Districts, and research needs. All Focus projects involve technical assistance from state and federal agency personnel.

Priority project areas exist in watersheds where importance to anadromous fish is documented and where watershed level analysis and planning exist and/or has been initiated. Potential sponsors for projects are groups that have or have access to the needed infrastructure to administer and operate a contract with BPA. Two Idaho State government related groups in the Clearwater River subbasin that address natural resource issues are: 1) Soil and Water Conservation Districts that are organized by county and develop plans to address nonpoint source pollution on a watershed basis. and 2) Three Watershed Advisory Groups (WAGs) in the subbasin that are appointed by the Clearwater Basin Advisory Board to develop implementation plans for water quality improvement in streams listed on the CWA Section 303(d) list. WAGs operate with administrative assistance and policy direction from the Idaho Division of Environmental Quality.

Assumptions Restoration of the quality, quantity and diversity of riparian and aquatic habitats in the Clearwater River subbasin will be a gradual process. However, monitoring and evaluation of parameters that are correlative to conditions will be collected to assess habitat response.

Sub-proposals Methodologies **Both Fiscal Year 2000 sub-proposals have identical objectives and methodologies. This is because approval for the Fiscal Year 1999 proposal was received almost coincidentally with the Fiscal Year 2000 project solicitation and consequently implementation has not begun. Differences between the two implementation projects will emerge after the workshops to recruit**

participants occurs in February 1999. Objective and methods narrative are presented in the sub-proposal documents.

Overview The Clearwater Focus Program provides administrative and planning functions to coordinate project development for fish and wildlife habitat restoration, and in particular fisheries habitat. Consequently, measurement of benefits and/or results of restoration cannot be directly correlated with the co-ordination activities or contract. Monitoring the results of project work will be components of on-the-ground projects. The Focus Program will manage a central compilation of habitat and water quality monitoring data collected from Focus projects and include data from throughout the subbasin.

Objective 1 Coordinate with NPT Focus Program

a) Develop new joint proposals for work in watersheds that have mixed land ownership. Project sponsorship will depend on the type of project designed, however, the technical advisory group for these kinds of projects will include both ISCC and NPT Focus staff.

b) Assist NPT with existing projects to enlist private landowners to participate. Facilitate non-tribal affiliated land ownership to cooperate with a program managed by the Nez Perce Tribe.

c) Prepare summary report with NPT Focus staff that compiles all BPA funded or related work in subbasin. Distribute the report to the NPPC, BPA, CBFWA, SWCD, NPT, etc.

Objective 2 Program Management (oversight) for Umbrella sub-proposals

a) **Coordinate project information dispersal to subbasin agencies and solicit project evaluation and consultation from affected agencies.**

b) **Assess progress of sub-proposal activities and BMP implementation and determine if any programmatic modifications are needed. The Lewis and Nez Perce SWCDs will each retain a conservationist to implement the BPA program. The co-coordinator will interact with these two individuals providing direction and assistance as needed. Standards and specifications for BMPs are given in the U.S. Natural Resources Conservation Service, *Field Office Technical Guide, Volume IV*, these practices are also endorsed by the Idaho Agricultural Pollution Abatement Plan. The Bonneville Power Administration recommends agricultural management practices in the final environmental impact statement for the Watershed Management Program. BPA management practices are homologous to NRCS best management practices. A description of some of these practices follows.**

Conservation Tillage: Tillage practices are evaluated using the *Revised Universal Soil Loss Equation (RUSLE)*, which is an erosion model designed to predict the long term average annual soil loss carried by runoff from field slopes in

specified cropping and management systems. Direct seed cropping systems are encouraged to reduce soil disturbance.

Controlled Drainage: This practice is used to eliminate surface water flow where gully erosion transports sediment to waterways. A non-perforated tile-line is installed to transport surface water to a stable area such as a grass filter strip, grassed waterway, or stable riparian area.

Critical Area Planting: This is used where soil and water quality problems are best reduced by permanent vegetation, including but not restricted to riparian areas. Non-riparian planting might require grading, shaping and planting shrubs, trees, forbes, and grasses. Vegetation plans optimize fish and wildlife benefits.

Sediment Basin: These structures reduce transport of sediment to streams by trapping runoff in basins constructed above potential gully development areas.

Grassed Waterway: Waterways control gully erosion and the grass serves as a filter strip for sediment and acts as a nutrient sink. Grassed waterways may require grading to shape and occasional cutting to maintain proper function.

Maintenance of all practices is the responsibility of the landowner or operator. Best Management Practices will be annually inspected to insure proper functioning is maintained.

c) Facilitate activity planning for year three of the project. Lead technical advisory meetings, assist conservationist.

Objective 3: Coordinate Potlatch River Watershed Project

a) Convene technical team that originally worked on project and compile all draft materials that were assembled. Prepare workplan to complete documentation of fieldwork and analysis that has been completed. Work with NRCS to use appropriate format and protocol for assembling document.

b) Facilitate technical group with project concept development. Prioritize concepts and prepare proposals to seek funding from participating agencies and BPA.

Objective 4: Interact with TMDL process and bull trout assessments in Clearwater subbasin to coordinate project development where TMDL implementation plan correlate with FWP goals and objectives.

- a) Survey TMDL advisory groups and bull trout technical advisory team to identify for joint project development with Focus Program work.
- b) Assist with project design and proposal development.

Objective 5: Public Outreach

a) Assist SWCDs with publication/distribution of newsletters. Give presentations on Focus Program, coordinate public workshops on issues relative to the FWP goals and objectives, and begin a quarterly newsletter for the Clearwater Focus Program.

Objective 6: Investigate Cost Sharing Opportunities

- a) Optimize project development where multiple funding and participating partners exist.
- b) Develop projects that are complementary to other agencies work.

Objective 7: Project Documentation

a) Prepare four quarterly reports to BPA – Boise and one subbasin summary report on Clearwater River Focus activities to BPA, NPPC, SWCS, NPT.

g. Facilities and equipment

The ISCC Clearwater Focus Program co-coordinator has telephone, fax, office copying services, and furniture supplied by the U.S. Natural Resources Conservation Service. The ISCC provides GIS support and a vehicle to the program. Through BPA contract funds a computer system was purchased in Fiscal Year 1998.

h. Budget

The Fiscal Year 2000 budget increase reflects an increase in public meetings and workshops, publishing assistance to on-the-ground project sponsors.

Section 9. Key personnel

Janet Hohle, Clearwater Subbasin Focus Program Co-coordinator (1 FTE)

Education

Institution	Location	Attendance	Major	Degrees
Washington State University	Pullman, WA	6/92-8/94	Education	Ed.M
University of Idaho	Moscow, ID	1-6/92; 5/94	Education	n/a
University of Washington	Seattle, WA	1/77 - 8/78	Geology	B.S.
University of Iowa	Iowa City, IA	1971-1975 (52 hrs)	General	n/a

Certificates: Idaho: All subjects grades 1-8; Washington: Elementary education grades K-8; Earth Science Endorsement grades 4-12.

Professional Organizations: National Council Teachers of Mathematics; Phi Delta Kappa; Washington Science Teachers Association; Soil and Water Conservation Society.

Employment History

May, 1997 to Present **Clearwater Subbasin Focus Program Co-coordinator** Idaho Soil Conservation Commission. Moscow, Idaho. Duties: Analyze programs, laws, policies related to watershed planning, management, and restoration. Work with local groups to facilitate development of projects for fisheries habitat restoration that maximize subbasin agencies expertise, funding, and importance to aquatic species. Prepare documents for watershed habitat work coordination. Give educational presentations and workshops for watershed management and proposal development, implementation, compliance with NEPA and the ESA, monitoring, and assessment. Coordinate information and education outreach for projects coordinated through the Clearwater Focus Program. Provide assistance to project proponents with proposal development, implementation, monitoring, and assessment.

March, 1996 to May, 1997 **State Mineral/Aggregate Specialist** Oregon State Department of Land Conservation and Development. Salem, Oregon.

1994-1996 **Teacher** Substitute for grades 4-12 in Idaho and Washington school districts. Summer school science teacher-Upward Bound University of Idaho.

April, 1985 to November, 1991 **Geology Department Director** Colville Confederated Tribes. Nespalem, Washington.

April, 1982 to April, 1985 **Mineral Analyst** Colville Confederated Tribes. Keller, WA.

January, 1979 to April, 1982 **Geologist** Colville Confederated Tribes. Nespalem, WA.

The co-coordinator has professional experience with interdisciplinary resource management, development, and problem solving with multiple jurisdictional issues associated. During her tenure with Colville Confederated Tribes, the co-coordinator was responsible for competitive federal contracting. Demonstrated expertise includes resource issue coordination, public education, communication, and systems analysis.

Relevant Job Completions: 1) Data base compilations for system planning in the Clearwater River subbasin; 2) Legal interpretation and application of new Oregon State Administrative Rule for Goal 5 (natural) resources; 3) Statewide workshops in Oregon to train county and state personnel on new Goal 5 Rule; 4) Mineral exploration and Development system design and implementation on the Colville Indian Reservation; 5) International mineral marketing campaign for the Colville Tribes Mount Tolman deposit.

The following individuals are from the Nez Perce Tribe Focus Program with whom the ISCC Focus Program coordinates.

Ira Jones
Clearwater Subbasin Focus Coordinator
Habitat/Watershed Manager
1.0 FTE

Education: University of Montana, Missoula, MT
Major: Wildlife
Attendance: September 1973- June 1974

Current Responsibilities: Planning and implementation of Early Action Watershed Projects, analyze programs, laws, policies related to watershed management, facilitate development of criteria to identify critical fisheries habitat, develop a system to apply criteria to watershed for project development and administration, prepare and plan documents for watershed habitat coordination, provide educational presentation and workshops for watershed management and proposal development, and provide assistance to project proponents with proposal development, implementation, monitoring and assessment.

Duties on Project: Mr. Jones will facilitate all activities with the Clearwater National Forest on the Challenge Cost-Share Agreement, which includes analyzing the laws and policies. Mr. Jones will oversee all project tasks for completion and quality of work.

Previous Employment:

- March 1997 – present: *Nez Perce Tribal Fisheries/Watershed Habitat/Watershed Manager*
- June 1986 – March 1997: *United States Forest Service, Region 1 Tribal Government Program Manager*
- December 1980 – June 1986: *United States Forest Service, Region 1 Facilities Manager*
- July 1974- October 1979: *United States Forest Service, Region 1 Fire Cache Work Leader*

Relevant Job Completion:

- 1) Coordinated National, Multi-Regional, and Regional Civil Rights Conferences,
- 2) Facilitated treaty rights workshops with host tribes and multi-governmental agencies,
- 3) Organized and conducted Tribal Relations Training primarily for management level from the U.S. Forest Service, Tribes, Bureau of Land Management, and bureau of Indian Affairs,
- 4) Introduced, implemented, and managed the Inter-tribal Youth Practicum for career in natural resources and leadership within the Forest Service Regions 1, 5, 9, and 10.
- 5) Developed an intergovernmental Personnel Act (IPA) position to work with the

Salish Kootenai College to teach environmental science courses and develop a four-year natural science curriculum at the college. This three-year position and the program developed into a four-year accredited degree program in the fall of 1996.

Emmit E. Taylor Jr.
Civil Engineer-In-Training
Nez Perce Tribal Watershed Program
1.0 FTE

Education: 1995 – BS in Civil Engineering – Colorado State University, CO

Current Responsibilities: Assist in gathering, analyzing, and interpreting watershed data; represent program in various inter-disciplinary teams; assist in surveying project areas; aide in assessing water resources/quality; knowledge of current computer software programs; design of civil engineering projects; supervise and field inspection of road obliteration; co-coordinate program projects.

Relevant Training:

- Riparian Proper Functioning Condition Training, 1998, Bureau of Land Mgmt.
- Road Obliteration Training, 1998, USDA Forest Service
- Applied Fluvial Geomorphology, 1998, Wildland Hydrology
- AutoCAD R14 Fundamentals, 1998, PacifiCAD Inc.

Duties on Project: Mr. Taylor will be the project leader for all activities of this proposal. As project leader, he will manage all road survey and road obliteration on-the-ground activities. He will be responsible for coordinating time schedules, project budget, crew members, and all activities with the Clearwater National Forest (CNF). Mr. Taylor will be a road obliteration inspector on the project and oversee all erosion control work. His duties will also include working with the CNF on two monitoring and evaluation programs and project information dissemination (quarterly reports, end of the year reports, presentations, etc.)

Previous Employment:

- August 1997 – present: *Nez Perce Tribal Fisheries/Watershed*
Civil Engineer-In-Training
- October 1995 – August 1997: *Womer and Associates Engineering and*
Architecture Firm
Civil Engineer-In-Training
- May 1993 – October 1995: *Colorado State University Tribal*
Tribal Transportation Program
Engineering Aide

Expertise: Emmit E. Taylor Jr.'s background is in Civil Engineering with an emphasis in hydrology. Mr. Taylor's analysis, design, and construction work concentrates on

stream rehabilitation, stream morphology, water quality, road obliteration, in-stream structures, and fish passage improvements.

Relevant Job Completions:

1) Project leader and inspector of 24 miles of road obliteration, 2) Eldorado Falls Area Survey, 3) Squaw Creek Stream Survey and Analysis, 4) Colville Confederated Tribes HRD Building Site Development Design, and 5) Geiger Boulevard Environmental Analysis.

Felix M. McGowan
Nez Perce Tribal Watershed Coordinator
1.0 FTE

Education: 1994 – BA in Biology – Gonzaga University Spokane, WA

Current Responsibilities: Coordinate all activities within the Nez Perce Fisheries, wildlife, water resources, and cultural resources. These activities are to include habitat, research, and production as it relates to watershed management, coordinate with cooperating agencies, work with interdisciplinary teams, inventory and evaluate habitat conditions, and coordinate riparian protection and restoration efforts.

Relevant Training:

- Riparian Proper Functioning Condition Training, 1998, Bureau of Land Mgmt.
- Integrated Ecosystem Watershed Management Workshop, 1998, OSU
- Road Obliteration Training, 1998, USDA Forest Service
- Introduction to GIS with ArcView 3.0a. 1998, BIA
- Applied Fluvial Geomorphology, 1998, Wildland Hydrology
- Coldwater Fish Culture, 1998, U.S. Fish & Wildlife Service

Duties on Project: Mr. McGowan will be an inspector in this project. This will include inspecting and supervising an excavator/operator, managing and inspecting an erosion control crew, and determining on-the-ground level of obliteration. Mr. McGowan will also assist the project leader (Emmit E. Taylor Jr.) in project reports, presentations, and coordination between the Clearwater National Forest (CNF).

Previous Employment:

- May 1997 – present: *Nez Perce Tribal Fisheries/Watershed*
Nez Perce Watershed Coordinator
- August 1994 – April 1997: *North Idaho College*
Multicultural Academic Advisor

Expertise:

- Felix has a broad educational base in the natural sciences that allows an understanding of different natural processes. The training he has received over the

past year has greatly increased his understanding in fisheries and hydrological sciences. These are two of the most important sciences involved in watershed work.

Relevant Job Completions:

- 1) Squaw Creek Stream Survey, 2) Squaw Creek Road Obliteration, 3) Lapwai Creek Watershed Assessment, 4) Johnson Creek Restoration Review, 5) Big Canyon Creek Watershed Assessment.
-

Heidi Stubbers
Habitat Biologist
Nez Perce Tribe
1.0 FTE

Education: 1997 - B. S. – University of Dubuque, Iowa.

Majors: Environmental Science & Biology,

Current Responsibilities: Coordinate activities to include habitat, research, and production as it relates to watershed management, coordinate with cooperating agencies, work with interdisciplinary teams, inventory and evaluate habitat conditions, and coordinate riparian protection and stream restoration.

Relevant Training:

- Riparian Proper Functioning Condition Training, 1998, Bureau of Land Mgmt.
- Integrated Ecosystem Watershed Management Workshop, 1998, OSU
- Fish Screen and Passage Workshop, 1998, CBFWA
- Total Maximum Daily Load (TMDL) Workshop, 1998, Idaho DEQ
- Road Obliteration Training, 1998, USDA Forest Service

Previous Employment:

- May 1998 – present: NEZ PERCE TRIBE FISHERIES/WATERSHED
Habitat Biologist
- Sept. 1997 – May 1998: EARTH CONSERVATION CORPS/SALMON CORPS
Field Director
- Summers 1996 – 1997 – STATE OF IDAHO
DIVISION OF ENVIRONMENTAL QUALITY
Biological Technician

Expertise: Heidi has a broad educational background in environmental science and biology. Her professional experience includes a background working with habitat assessment, wildlife population counts, electrofishing, water quality testing, field research, and habitat restoration. Her work requires knowledge of habitat protection, restoration, habitat types, and the relation between them.

Relevant Job Completions: 1) McComas Meadow water table well installation, 2) McComas Meadow fence monitoring, 3) Lolo Creek fence construction & monitoring, 4) Lolo Creek off-site watering development, 5) Johnson Creek Restoration Review.

Section 10. Information/technology transfer

Information is shared in the Clearwater subbasin through participation on various technical advisory teams, public presentations, and newsletters. Project development involves subbasin resource specialists and projects are usually cooperative efforts that require information coordination.

Congratulations!