

Bonneville Power Administration Fish and Wildlife Program FY99 Proposal Form

B

How this form is structured

There are ten major sections to this form. Sections 1 through 5 are database-style fields in which specific information is being sought, so your input is restricted to the gray boxes below. *The boxes are pointers to indicate where to type; they will grow as you type more text, and they won't print as gray boxes.* These sections include: General Administrative Information; Key Words; Objectives, Tasks and Schedules; Relationship to Other Bonneville Projects; and Budget.

In Sections 1 through 5, each field is briefly described on the form itself, and for some fields more tips are shown in the status bar (bottom of the screen). For tables where more rows may be needed than are provided, press Alt-R from within the table to add a row at the end.

Sections 6 through 10 accept a narrative format in which more open-ended questions are asked and you may respond at length in paragraph form. Descriptions are provided on the form. These sections include: Abstract, Description, Relationships to Other Projects, Personnel, Information/Technology Transfer.

Steps to complete the form

1. First, read the Guidelines to Proposals.
2. Second, save this form. For ongoing projects, use your project number.DOC (example: 8909900.DOC). For new proposals, use a filename other than BLANK.DOC, preferably, your agency acronym and your initials (example: NMFSWS1.DOC).
3. Press Tab to move to the first field (Title of Project), and start typing.
NOTE: When you exit the Project Title or Project Number fields, your screen may display a AHeader@ box briefly. The form is updating itself, and will continue normally.
4. Fill in all fields (gray boxes) pressing Tab to advance from one field to the next. Then fill in narrative input areas, pressing down arrow to advance.
5. Print the completed document.
6. Save the document to diskette and mail both paper and diskette to:
Bonneville Power Administration - EW
ATTN: Connie Little
FY99 Proposals
P.O. Box 3621
Portland OR 97208-3621

Call Jim Middaugh at the Northwest Power Planning Council (503) 222-5161 or (800) 222-3355 or email middaugh@nwppc.org if you have additional questions.

Proposals must be received to Bonneville by 5pm PST on Friday, January 23, 1998. Late proposals will not be reviewed for FY99 funding. This information will be the

only material submitted for independent scientific review. It is essential that the relevant information be provided completely but concisely.

Section 1. General administrative information

Title of project. 75 characters or less; do not include the contractor name or acronym; use abbreviations if appropriate; start with action verbs, i.e., AEvaluate Coho...@, not AEvaluation of Coho@.

Assesment Salmon River Subbasin

Bonneville project number, if an ongoing project BBBB

Business name of agency, institution or organization requesting funding
NEZ PERCE TRIBAL FISHERIES/WATERSHED

Business acronym (if appropriate) NPT

Proposal contact person or principal investigator:

Name Ira Jone

Mailing Address P.O. BOX 365
City, ST Zip LAPWAI, ID 83540
Phone (208) 843-7406
Fax (208) 843-7322
Email address iraj@nezperce.org

Subcontractors. List other agencies or entities that will receive funding under this project, either through sub-contracts managed by the project sponsor or, where multiple agencies are involved as joint sponsors, through primary contracts managed by Bonneville. If another entity will be responsible for the long term maintenance of the project, identify them here.

List one subcontractor per row; to add more rows, press Alt-R from within this table

Organization	Mailing Address	City, ST Zip	Contact Name
Payette National Forest	P.O. Box 1026	McCall, ID 83638	Frederick L. Dauber
Boise National Forest	1249 Vinnell Suite 200	Boise, ID 83709	Wayne Patton
Earth Conservation Corp.- Salmon Corp.-Nez Perce	P.O. Box 689	Lapwai ID, 83540	Heidi Stubbers
BBBBB	BBBBB	BBBBB	BBBBB

NPPC Program Measure Number(s) which this project addresses. Refer to 1994 Fish and Wildlife Program as amended in 1995; NPPC staff will proof this field and correct if necessary; separate multiple measure numbers with commas.

SECTION 7.6 - HABITAT GOALS, POLICIES, AND OBJECTIVES; SECTION 7.7 - COOPERATIVE HABITAT PROTECTION AND IMPROVEMENT WITH PRIVATE LANDOWNERS; SECTION 7.8 - IMPLEMENT STATE, FEDERAL, AND TRIBAL HABITAT IMPROVEMENTS

NMFS Biological Opinion Number(s) which this project addresses. If the project relates to the Kootenai Sturgeon Biological Opinion, the NMFS Hydrosystem Operations Biological Opinion, or other Endangered Species Act requirements, enter the Action Number and Biological Opinion Title.

Other planning document references. If the project is called for in the National Marine Fisheries Service *Snake River Salmon Recovery Plan*, or in *Wy Kan Ush Me Wa Kush Wit*, the Anadromous Fish Restoration Plan of the Nez Perce, Umatilla, Warm Springs and Yakama tribes, in U.S. Forest Service or Bureau of Reclamation land management plans, or in local area subbasin or watershed plans, or in other planning documents, provide the name of the plan and reference citation where the need is identified.

If the project type is AWatershed@ (see Section 2), reference any demonstrable support from affected agencies, tribes, local watershed groups, and public and/or private landowners, and cite available documentation.

Boneville Power Administration, 1997. Watershed Management Program: Final Environmental Impact Statement.

Columbia Basin Fish and Wildlife Authority, 1997. Intergrated Watershed Projects: The Process and Criteria for Selecting Watershed Projects for the Columbia Basin Fish & Wildlife Program.

Columbia Basin Fish and Wildlife Authority, 1997. Intergrated Watershed Projects: The Process and Criteria for Selecting Watershed Projects for the Columbia Basin Fish & Wildlife Program.

Columbia River Fish & Wildlife Program, 1994. Columbia River Basin Fish & Wildlife Program

CRITFC, 1995. WY-KAN-USH-MI WA-KISH-WIT, Spirit of the Salmon. Volume I & II. Portland, Oregon.

Nez Perce Tribe and Idaho Department of Fish & Game, 1990. Salmon River Subbasin Salmon and Steelhead Production Plan. Northwest Power Planning Council & CBFWA. Boise, Idaho.

Subbasin. List subbasin(s) where work is performed. Use commas to separate multiple subbasins. Coordination projects or those not affecting particular subbasins may omit this field.

SALMON RIVER SUBBASIN

Short description. Describe the project in a short phrase (less than 250 characters). Give information that is not in the title. If possible start this field with an action verb (protect, modify, develop, enhance, etc.) rather than a noun (this project protects). There is room for a more detailed project abstract later in the narrative section, so please keep this answer short.

ASSESSMENT OF THE SALMON RIVER SUBBASIN TO WORK WITHIN THE SUBBASIN USING AN OVERALL WATERSHED APPROACH.

Section 2. Key words

For identifying and sorting, mark key words below that most specifically describe this project. Under each heading (Programmatic Categories, Activities, Project Types), find the **one** item that most applies to your project, and mark it with an X in the Mark column. If other items in the same heading also apply, mark them with a plus sign or asterisk.

Mark	Programmatic Categories	Mark	Activities	Mark	Project Types
*	Anadromous fish	B	Construction	X	Watershed
*	Resident fish	B	O & M	B	Biodiversity/genetics
*	Wildlife	B	Production	B	Population dynamics
B	Oceans/estuaries	B	Research	B	Ecosystems
B	Climate	X	Monitoring/eval.	B	Flow/survival
B	Other	B	Resource mgmt	B	Fish disease
		*	Planning/admin.	B	Supplementation
		B	Enforcement	B	Wildlife habitat en-
		*	Acquisitions		hancement/restoration

Other keywords. If there are other key words that would help identify your project, enter them below, separated by commas; example key words: DNA, stock identification, life history, sampling, modeling, nutrient dynamics, predation, hydrodynamics, gas bubble disease, disease names, hatchery-wild interactions, ecological interactions.
BBBBB

Section 3. Relationships to other Bonneville projects

Describe any interdependencies with other projects funded under the Fish and Wildlife Program. Don't include general relationships to other projects, but target those that depend on this project being funded, or vice versa. There is room in Section 7 below to comment on other relationships or to describe these more fully.

If you need more rows, press Alt-R from within this table.

Project #	Project title/description	Nature of relationship
9607700	Johnson Creek Watershed Project	Protection of the Salmon River fish habitat
8909802	Salmon Supplemental Studies in ID Rv. Nez Perce Tribe	Protection of the Salmon River fish habitat
9604300	Johnson Creek Artificial Propagation Enhancement - O& M	Protection of the Salmon River fish habitat
BBBBB	BBBBB	BBBBB

Section 4. Objectives, tasks and schedules

This section has three parts: a) Objectives and tasks table, b) Objective schedules and costs table, c) other schedule fields. Instructions for each part follow the headings.

Objectives and tasks

Briefly describe measurable objectives and the tasks needed to complete each objective. Use Column 1 to assign numbers to objectives (for reference in the next table), and Column 3 to assign letters to tasks. Use Columns 2 and 4 for the descriptive text. Objectives do not need to be listed in any particular order, and need only be listed once, even if there are multiple tasks for a single objective. List only one task per row; if you need more rows, press Alt-R from within this table.

Obj 1,2,3	Objective	Task a,b,c	Task
1	Assess work within the Salmon River Subbasin	a	Meet with Boise and Payette National Forests.
BB	BBBBB	b	Identify needs within the subbasin.
2	Develop a co-operative agreement with the Payette and Boise National Forests	a	Meet with Forest Supervisors.
BB	BBBBB	b	Take agreement to legal council in both the Forests and Tribel
3	Investigate possible land aquisitions.	a	Discuss the Davis Ranch purchase
BB	BBBBB	b	Discuss cost-share possibilities with the Forests.

Objective schedules and costs

Partition overhead, administrative, support, and any other common costs shared among objectives. The percentages for all objectives should total 100%. Enter just the objective numbers from Column 1 in the above table. Enter start and end dates for each objective using the mm/yyyy format (e.g. 05/2002 for May, 2002).

If you need more rows, press Alt-R. **Press Alt-C to calculate total.**

Objective #	Start Date mm/yyyy	End Date mm/yyyy	Cost %
1	1/1998	12/1998	45.00%
2	1/1998	8/1998	10.00%
3	1/1998	12/1998	45.00%
BB	BBBBB	BBBBB	BBBBB
			TOTAL 100.00%

Schedule constraints. Identify any constraints that may cause schedule changes. Describe major milestones if necessary.
There will not be any schedule constraints.

Completion date. Enter the last year that the project is expected to require funding. The completion will be done by the end of the calendar year but negotiations will be on-going for the duration of our work within the subbasin.

Section 5. Budget

This section has two tables: 1) FY99 budget by line item, and 2) Outyear costs. Instructions for each part follow the heading.

FY99 budget by line item

List FY99 budget amounts for each category. If an item needs more explanation, provide it in the Note column. If the project uses PIT tags, include the cost (\$2.90/tag). **Press Alt-C to calculate total.**

Item	Note	FY99
Personnel	1998- \$10,771.20	BBBBB
Fringe benefits	1998- \$1,884.96	BBBBB
Supplies, materials, non-expendable property	1998- \$500.00	BBBBB
Operations & maintenance	BBBBB	BBBBB
Capital acquisitions or improvements (e.g. land, buildings, major equip.)	BBBBB	BBBBB

PIT tags	# of tags: BBBBB	BBBBB
Travel	1998- \$2,700.00	BBBBB
Indirect costs	1998- \$4,630.00	BBBBB
Subcontracts	BBBBB	BBBBB
Other	BBBBB	BBBBB
TOTAL		\$ 0

Outyear costs

List budget amounts for the next four years, and the estimated percentage of those costs for operations and maintenance (O&M).

Outyear costs	FY2000	FY01	FY02	FY03
Total budget	BBBBB	BBBBB	BBBBB	BBBBB
O&M as % of total	BBBBB	BBBBB	BBBBB	BBBBB

Section 6. Abstract

A condensed description to briefly convey to other fish and wildlife scientists, managers and non-specialists the background, objectives, approach and expected results. **In under 250 words**, include the following:

- a. Specific items in any solicitation being addressed
- b. Overall project goals and objectives
- c. Relevance to the 1994 Columbia Basin Fish and Wildlife Program (benefit to fish and wildlife)
- d. Methods or approach based on sound scientific principles
- e. Expected outcome and time frame
- f. How results will be monitored and evaluated

The Northwest Power Planning Council=s (NPPC) Columbia River Basin Fish and Wildlife Program calls for long-term planning for salmon and steelhead production within 31 subbasins. Of these subbasins the Salmon River Subbasin is one. The Salmon River flows 410 miles north and west through central Idaho to join the Snake River at Mile 188. The Salmon River is the largest subbasin in the Columbia River drainage, excluding the Snake River, and has the most stream miles of habitat available to anadromous fish. The total watershed is just over 14,000 square miles (NPT & IDFG,1990). The subbasin straddles two physiographic provinces. The Northern Rocky Mountain Province encompasses 90 percent of the subbasin and is characterized by high, mature mountains and deep, intermountain valleys. The western tenth of the drainage lies within the Columbia Intermountain Province, which includes an mountainous mass cut by deep canyons. Elevations range from 900 feet to 12,600 feet at Mount Borah. The need for the assessment of this subbasin is stated above, it covers many miles and has some diverse habitat. We believe that the Nez Perce Tribe can help to rehabilitate and

protect this land that the Tribe has usual and accustomed rights to use (Treaty of 1855).

Section 7. Project description

This full description of the project should be in sufficient detail to include the following information under headings a through g (**maximum of 10 pages for entire project description**):

a. Technical and/or scientific background. The overall problem should be clearly identified with background history and scientific literature review, if a research project. Location should be specific, if relevant. Goals and objectives of the 1994 Fish and Wildlife Program (FWP), NMFS Biological Opinion, or other plans in relation to the proposed project should be stated and described in some detail. Indicate whether the project mitigates losses in place, in kind, or if out-of-kind mitigation is being proposed.

Show how the proposed work is a logical component of an overall conceptual framework or model that integrated knowledge of the problem. The most significant previous work history related to the project, including work of key project personnel on any past or current work similar to the proposal, should be reviewed. All work should be adequately referenced and listed at the end of this field.

The problems within the subbasin include logging, road building, grazing and mining (CRF&W, 1994). Logging activities have impacted several areas and the severity of impact varies widely. Road construction, usage, and the associated logging activities have increased sedimentation, and riparian degradation and alteration. The South Fork drainage is testament to the magnitude of damage that can occur, particularly within the batholith (Stowell et al., 1983). Grazing is another problem encountered throughout the subbasin. Platt and Nelson (1985) have found that most of the current, popular grazing strategies were developed primarily to increase the production and vigor of upland grasses, not to improve riparian vegetation. The final area is mining, though it is no longer as major a land use as it was historically, it is still very prevalent in part of the Salmon River Subbasin. Impacts from mining can be severe due to alterations in substrate composition, channel displacement, bank and riparian destruction, and loss of instream cover and pool-forming structures. There is also a risk associated with the transport of toxic materials along river roads, particularly in the South Fork drainage, risks killing fish, even though stringent precautions may be in place.

Problems within the Salmon River Subbasin are, as stated above, three fold. Each of them have an effect upon the fish production potential of the watershed. Within the Salmon River Subbasin the dominant geological feature is the Idaho Batholith. A batholith is an area of land comprised of granitic bedrock materials. Typical batholith topography consists of steep slopes separated by narrow ridges and valleys or high elevation basins. Soil cohesion is low because silt and clay comprise small percentages of the soil (Megahan, 1975). Soil are thus composed largely of unstable granitic sand and are coarse and have high natural rates of erosion (USFS, 1988). This is an important point because the combination of steep topography, extreme soil erodibility, and climatic stresses create significant erosion

hazards (Megahan, 1975). Not only are the high gradient areas vulnerable to this land for but the flatter areas, such as meadows, in the batholith are extremely vulnerable to sedimentation because the sediment transport power is low in low-gradient stream sections. Any activity that disturbs the soil or disrupts vegetative cover has the potential to increase the amounts of fine sediments being transported by runoff into streams. Fine sediment reduces production of anadromous fish by filling the interstices in gravels, which 1) smothers incubating eggs and fry, 2) reduces production of aquatic insects, which provide most of the food for juvenile anadromous fish; and 3) eliminated spaces between rocks, which juveniles use for rearing and overwintering (CRITFC, 1995). Sediments also fill pools that are important rearing habitats for juvenile salmon and steelhead (IDFG, 1985).

These diverse problems are the reason we need to use this time to assess the place and kind of work to be done in the subbasin. These meetings will lead us in the direction which we will go.

b. Proposal objectives. Specific, measurable objectives or outcomes for the project should be presented concisely in a numbered list. Research proposals must concisely state the hypotheses and assumptions necessary to test these. Non-scientific projects must also state their objectives. Clearly identify any products (reports, structures, etc.) that would result from this project. For example, an artificial production program may state the species composition and numbers to be produced, their expected survival rates, and projected benefits to the FWP. A land acquisition proposal may state the conservation objectives and value of the property, the expected benefits to the FWP, and a measurable goal in terms of production. Methods and tasks (in heading e, below) are to be linked to these objectives and outcomes (by number).

OBJECTIVE 1: Assess work within the Salmon River Subbasin.

Product: The products for this proposal will be a priority list of projects within the Salmon River Subbasin.

OBJECTIVE 2: Develop a cooperative agreement with the Payette and Boise National Forests.

Product: The product of this objective is the cooperative agreement between the government agencies and the Tribal government.

OBJECTIVE 3: Investigate possible land acquisition within the subbasin.

Product: The product will be a proposal in 1999 or 2000.

c. Rationale and significance to Regional Programs. The rationale behind the proposed project should be presented and project objectives and hypotheses related as specifically as possible to the FWP objectives and measures or to other plans. You should make a convincing case for how the proposed work will further goals of the FWP. Relevant projects in progress in the Columbia Basin and elsewhere should be listed and discussed in relation to the proposed project. Arrangements should be identified and documented for cooperation and synergistic relationships among the proposed project,

other project proposals, and existing projects. Any particularly novel ideas or contributions offered by the proposed project should be highlighted and discussed.

The Salmon River Subbasin is an important historical area for the Nez Perce Tribe. They hunted and fished all the lands within this subbasin, because of this it is important for the Tribe to work to protect the resources that the Treaty of 1855 gave to the Nez Perce Tribe. The diverse landscape and different problems affiliated with the subbasin require careful planning and assessment to help improve the habitat for fish and wildlife within the subbasin. This proposal will allow for the planning of those activities that will benefit the animals, plants and people within the subbasin.

- d. Project history** (for continuing projects). If the project is continuing from a previous year, the history must be provided. This includes projects that historically began as a different numbered projects (identify number *and short title*). For continuing projects, the proposal primarily will be an update of this section. List the following:
- project numbers (if changed)
 - project reports and technical papers
 - summary of major results achieved
 - adaptive management implications
 - years underway (see attached spreadsheet)
 - past costs (see attached spreadsheet)

This project is the first step in the cooperative effort to work within the Salmon Rivers Subbasin. Although we have not worked in this capacity before we do have projects within the subbasin. Those projects include BPA #8909802, 9604300 and 9607700. Project #9607700 is a small riparian protection project on Johnson Creek/ Cox Ranch and is included within the 1998 project proposals. Project #8909802 is the Salmon Supplemental Studies in ID Rv. - Nez Perce Tribe. This includes the outplanting of salmon within the Salmon River Subbasin. The final project is #9604300 which is the Johnson Creek Artificial Propagation Enhancement - O&M. This project traps adult salmon and takes their eggs to be reared to a fall pre-smolt or smolt stage. Juveniles will then be transferred to a facility on Johnson Creek in early spring to be reared and/or acclimated as smolts and released near major spawning areas.

- e. Methods.** How the project is to be carried out based on sound scientific principles should be described (this is applicable to all types of projects). Include scope, approach, and detailed methodology. If methods are described in detail in another document, summarize here and cite reference. The methods should include, as appropriate, but not be limited to such items as:
- tasks associated specifically with objectives
 - critical assumptions
 - description of proposed studies, experiments, treatments or operations in the sequence that they are to be carried out
 - any special animal care or environmental protection requirements
 - any risks to habitats, other organisms, or humans
 - justification of the sample size

- methods by which the data will be analyzed
- methods for monitoring and evaluating results
- kinds of results expected

Each proposer should complete the methods section with an objective assessment of factors that may limit success of the project and/or critical linkages of the proposal with other work (e.g., a smolt monitoring program, etc.).

METHODOLOGY- OBJECTIVE 1:

This project will be accomplished in conjunction with the Payette and Boise National Forest and the Nez Perce Tribe Fisheries/Watershed program.

SCOPE:

- Assess work within the Salmon River Subbasin.

METHOD:

- Meet with Payette and Boise National Forests.
- Identify needs within the subbasin.

The method is simple, meet with all the managers of the lands and establish a priority list of projects within the subbasin.

METHODOLOGY - OBJECTIVE 2

This project will be accomplished in conjunction with the Payette and Boise National Forest and the Nez Perce Tribe Fisheries/Watershed program.

SCOPE:

- Meet with Forest Supervisors.
- Take agreement to legal council in both the Forest and the Tribe.
- After final approval have both parties sign the agreement.

METHOD:

- Meet with Payette and Boise National Forests.

This project will be accomplished in conjunction with the Payette and Boise National Forest and the Nez Perce Tribe Fisheries/Watershed program. After the logistics are worked out it will then be sent to legal council to create the final draft to be signed by the each of the three entities.

METHODOLOGY - OBJECTIVE 3

This project will be accomplished in conjunction with the Payette and Boise National Forest and the Nez Perce Tribe Fisheries/Watershed program.

SCOPE:

- Discuss land acquisition with the Salmon River Subbasin.
- Discuss cost-share possibilities with the Forest=s.

METHOD:

- Meet with Payette and Boise National Forests.
- Meet with any state agencies that may become involved.

This project will be accomplished in conjunction with the Payette and Boise National Forest and the Nez Perce Tribe Fisheries/Watershed program. Any possible land acquisitions will be taken to legal council and any cost-share agreements will be agreed upon before the project is finalized.

f. Facilities and equipment. All major facilities and equipment to be used in the project should be described in sufficient detail to show adequacy for the job. The proposal should indicate whether there are suitable (based on contemporary standards) field equipment, vehicles, laboratory and office space and equipment, life support systems for organisms, and computers, for example. Any special or high-cost equipment to be purchased with project funds should be identified and justified. Reference to other proposals is allowed but note that limitations of those proposals could effect the evaluation of the ones citing them.

_ EQUIPMENT: Office Computer

AMOUNT: 1

TO BE PURCHASED, RENTED, OR OWNED: Owned

USE: The computer will be used for all report writing, and data computations.

_ EQUIPMENT: GSA Vehicle (Ford Expedition)

AMOUNT: 1

TO BE PURCHASED, RENTED, OR OWNED: Leased

USE: To transport individuals to the Salmon River Ranger Offices.

g. References. (Not included in 10-page limit for this section.) Provide complete citations to all publications referred to in Sections 6a-f. List in order: author(s), date, title, report number, publisher or agency, location. References will not be read by reviewers; the substance of any reference should be described in the text and the source cited. Sample citation:

Rondorf, D.W., and K.F. Tiffan. 1997. Identification of the spawning, rearing and migratory requirements of fall chinook salmon in the Columbia River Basin. Annual Report 1995. DOE/BP-21078-5, Bonneville Power Administration, Portland, Oregon.

Bonneville Power Administration, 1997. Watershed Management Program: Final Environmental Impact Statement.

Columbia Basin Fish and Wildlife Authority, 1997. Integrated Watershed Projects: The Process and Criteria for Selecting Watershed Projects for the Columbia Basin Fish & Wildlife Program.

Columbia River Fish & Wildlife Program, 1994. Columbia River Basin Fish & Wildlife Program

CRITFC, 1995. WY-KAN-USH-MI WA-KISH-WIT, Spirit of the Salmon. Volume I & II. Portland, Oregon.

Idaho Department of Fish and Game. 1985. Statewide fish planted by hatchery. Boise, ID.

Megahan, W.F. 1975. Sediment-Yield Workshop, USDA Sediment Lab., Oxford, Miss. 1975.

Nez Perce Tribe and Idaho Department of Fish & Game, 1990. Salmon River Subbasin Salmon and Steelhead Production Plan. Northwest Power Planning Council & CBFWA. Boise, Idaho.

Platts, W.S., and Nelson, F.E. 1985. Streamside and upland vegetation use by cattle. Rangelands: 7(1).

USFS. 1988. Description of the analysis process, appendix B, and South Fork Salmon River road, appendix D. McCall, ID.

Section 8. Relationships to other projects

Indicate how the project complements or includes collaborative efforts with other projects; put the work into the context of other work funded under the FWP. If the proposed project requires or includes collaboration with other agencies, organizations or scientists, or any special permitting to accomplish the work, such arrangements should be fully explained. If the relationship with other proposals is unknown or is in conflict with another project, note this and explain why.

This is not intended to duplicate the Relationships table in Section 3. Instead, it allows for more detailed descriptions of relationships, includes non-interdependent relationships, and includes those not limited to specific Bonneville projects.

Other projects that are related to this assessment within the subbasin are as follows. Those projects include BPA #8909802, 9604300 and 9607700. Project #9607700 is a small riparian protection project on Johnson Creek/ Cox Ranch and is included within the 1998 project proposals. Project #8909802 is the Salmon Supplemental Studies in ID Rv. - Nez Perce Tribe. This includes the outplanting of salmon within the Salmon River Subbasin. The final project is #9604300 which is the Johnson

Creek Artificial Propagation Enhancement - O&M. This project traps adult salmon and takes their eggs to be reared to a fall pre-smolt or smolt stage. Juveniles will then be transferred to a facility on Johnson Creek in early spring to be reared and/or acclimated as smolts and released near major spawning areas.

Section 9. Key personnel

Include names, titles, FTE/hours, and one-page resumes for key personnel (i.e. principal investigator, project manager), and describe their duties on the project. Emphasize qualifications for the proposed work. Resumes should include name, degrees earned (with school and date), certification status, current employer, current responsibilities, list of recent previous employment, a paragraph describing expertise, and up to five recent or especially relevant publications or job completions.

NAME: Emmitt E. Taylor Jr.

TITLE: Civil Engineer-In-Training

FTE: 1.0

DUTIES ON PROJECT: Road obliteration field inspector; Assist in analyzing, designing, and construction of bank stabilization structures. Co-coordinator for all Lolo Creek Watershed Projects.

QUALIFICATIONS: Emmitt E. Taylor Jr. has a B.S. degree in Civil Engineering from Colorado State University. He has worked in several professional firms including, but not limited to, Colorado State University Transportation Program, Womer & Associates Engineering and Architecture Firm, and the Nez Perce Tribe.

DEGREE: Bachelors of Science in Civil Engineering - Colorado State University

CERTIFICATION STATUS: Civil Engineer-In-Training

CURRENT EMPLOYER: Nez Perce Tribal Fisheries/Watershed Management Program

CURRENT RESPONSIBILITIES: Assist in gathering, analyzing, and interpreting watershed data; represent program in various interdisciplinary teams; assist in surveying project areas; aid 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.

PREVIOUS EMPLOYMENT:

1997 - Present: Nez Perce Tribal Fisheries/Watershed Program

1997 - 1995: Womer and Associates Engineering and Architecture Firm

1995 - 1993: Colorado State University Tribal Transportation Program

EXPERTISE: Emmitt 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.

PUBLICATION OR JOB COMPLETIONS: (1) Eldorado Fall Area Survey, (2) McComas Meadows Meadow Protection Project, (3) Squaw Creek Stream Survey

and Analysis, (4) Colville Confederated Tribes HRD Building Site Development Design, and (5) Geiger Boulevard Environmental Analysis.

NAME: Felix M. McGowan

TITLE: Habitat Biologist

FTE/HOURS: 1.0

DUTIES OF PROJECT: Co-coordinator for all projects, riparian revegetation supervisor, fence placement coordinator and liaison between Forest Service and Tribal work crews.

QUALIFICATIONS: Felix M. McGowan has a degree in Biology from Gonzaga University. He has worked for the Nez Perce Tribe for one year. Prior to coming to this job he worked in a college setting at North Idaho College.

DEGREE: Bachelors of Arts in Biology, Gonzaga University

CURRENT RESPONSIBILITIES: Determine budget and staffing needs, prepare project work plans and coordination of projects, work with interdisciplinary teams, help to develop land management plans, coordinate fish, wildlife and cultural habitat requirements, investigate potential projects, and help inventory and evaluate habitat conditions.

PREVIOUS EMPLOYMENT:

1997 - Present: Nez Perce Tribe

1997 - 1994: North Idaho College

1994 - 1988: McGowan Farms

EXPERTISE: Felix has a good base in the natural sciences. His work focuses on protection and restoration of riparian and cultural sites. These two areas require a knowledge of a variety of habitat types and how the different habitats interrelate with one another.

PUBLICATIONS OR JOBS COMPLETED: 1)Squaw Creek Road Obliteration, 2) Squaw Creek Stream Survey, 3)McComas Meadows Fencing Project, 4) Musselshell Meadows Fencing Project, 5)Johnson Creek/Cox Ranch Rehabilitation Review.

Ira Jones, Clearwater Subbasin Focus Coordinator (1 FTE)
Habitat/Watershed Manager, Nez Perce Tribe

Education

INSTITUTION	LOCATION	ATTENDANCE	MAJOR	DEGREES
University of Montana	Missoula, MT	Sept. 73 - June 74	Wildlife	N/A

Certificates N/A

Professional Organizations N/A

Employment History

March 3, 1997 to present, Clearwater Subbasin Focus Program Coordinator for the Nez Perce Tribe, Lapwai, Idaho. Duties: Analyze programs, laws, policies related to watershed management. Facilitate development of criteria to identify critical fisheries habitat. Develop system to apply criteria to watershed for project development and administration. Prepare plan documents for watershed habitat work coordination. Give educational presentations and workshops for watershed management and proposal development. Provide assistance to project proponents with proposal development, implementation, monitoring, and assessment.

May of 1996 to present, Habitat/Watershed Manager of the Nez Perce Tribe. Responsible for planning and implementation of the Early Action Watershed Projects for the Nez Perce Tribe.

6/25/1986 - 3/1/97, Tribal Government Program Manager, United States Forest Service, Region One.

12/14/80 - 6/25/86, Facilities Manager, United States Forest Service, Region One.

7/74 - 10/79, Fire Cache Work Leader, USDA Forest Service, Region One.

Relevant Job Completion=s: 1) Coordinated National, Multi-Regional, and Regional Civil Rights conferences. 2) Facilitated Treaty Rights workshops with host tribes and multi-government agencies. 3) Organized and conducted Tribal Relations Training primarily for management level from the U.S. Forest Service, Tribes, Bureau of Land Management, and the Bureau of Indian Affairs. 4) Introduced, implemented, and managed the Inter-Tribal Youth Practicum for careers in natural resources and leadership within the U.S. Forest Service Regions 1, 5, 9, and 10. 5) Developed an Intergovernmental Personnel Act (IPA) position to work with the Salish Kootnai 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.

Section 10. Information/technology transfer

How will technology or technical information obtained from the project be distributed or otherwise implemented? Methods can include publication, holding of workshops, incorporation in agency standards or facilities, and commercialization.

The Forest Service has a required obligation to provide research, transfer of technology, and technical assistance to Indian tribal governments (USDA, 1997). This obligation by the forest service will be used by the *Nez Perce Tribal Fisheries/Watershed Program* to aide in accomplishing the goals & objectives of our Program, NPPC Fish & Wildlife Program, and Spirit of the Salmon Recovery Plan of the Tribes. A relationship with the Payette and Boise National Forests has been establish and has had a very positive impact on both organizations and is expected

to continue in the future. This relationship has lead to several agreements, both verbal and written, for the completion of numerous projects within the Salmon River Subbasin

Congratulations!

Thank you for completing the FY99 Proposal Form. Please print and save this file to diskette, and mail both to the address shown at the top of this document. To ensure a thorough review of your proposed work, this form will be screened for completeness. If it is not complete, it may be returned to you with a request for additional information.B