

**Bonneville Power Administration
Fish and Wildlife Program FY99 Proposal Form**

Section 1. General administrative information

**Billy Shaw Wetlands catch and release fishery
O&M**

Bonneville project number, if an ongoing project 9501500

Business name of agency, institution or organization requesting funding
Shoshone-Paiute Tribes

Business acronym (if appropriate) Sho-Pai Tribes

Proposal contact person or principal investigator:

Name	Guy Dodson Sr.
Mailing Address	P.O. Box 219
City, ST Zip	Owyhee, NV 89832
Phone	208-759-3246
Fax	208-759-3248
Email address	

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

Organization	Mailing Address	City, ST Zip	Contact Name

NPPC Program Measure Number(s) which this project addresses.
10.8C.5

NMFS Biological Opinion Number(s) which this project addresses.

Other planning document references.

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

Subbasin.

Owyhee River subbasin

Short description.

To enhance and develop the Billy Shaw tributaries to their once pristine form. The streams in the Billy Shaw slough were historical spawning streams for fish in the slough.

Partial wages of a temporary employee to keep the lake and campgrounds clean and free of pollution. This money will cover any improvements to the wetlands area and cost of fish stocking.

Section 2. Key words

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

Other keywords.

Section 3. Relationships to other Bonneville projects

Project #	Project title/description	Nature of relationship
97-011	Habitat Enhancement and Protection	Provide spawning habitat for natural reproduction from the lake

Section 4. Objectives, tasks and schedules

Objectives and tasks

Obj 1,2,3	Objective	Task a,b,c	Task
1	Maintenance of wetlands area	a	hire part-time employee

2	Protect wetlands are from pollution and degradation	a	pick up debris and litter
		b	maintain fence around wetlands area
3	Protect spawning streams	a	renaturalize streams (logs, gravel, trees)

Objective schedules and costs

Objective #	Start Date mm/yyyy	End Date mm/yyyy	Cost %
1	03/1999	02/2000	30
2	03/1999	02/2000	30
3	03/1999	02/2000	40

Schedule constraints.

Only constraints will be problems in finding part time worker. Likely will not be a major problem.

Completion date.

2010

Section 5. Budget

FY99 budget by line item

Item	Note	FY99
Personnel	Director, Biologist, PTE	\$70,000.00
Fringe benefits	included in the Personnel	
Supplies, materials, non-expendable property	fencing, gravel, trees	\$75,000.00
Operations & maintenance		\$38,500.00
Capital acquisitions or improvements (e.g. land, buildings, major equip.)		
PIT tags	# of tags:	
Travel		
Indirect costs		\$66,500.00
Subcontracts		
Other		
TOTAL		250,000.00

Outyear costs

Outyear costs	FY2000	FY01	FY02	FY03
Total budget	250,000.00	250,000.00	250,000.00	250,000.00
O&M as % of total	15%	15%	25%	25%

Section 6. Abstract

The purpose of this Operation and maintenance (O&M) money is to enhance and develop the Billy Shaw Wetlands fishery area as a trophy catch and release fishery. The O&M will include maintaining the area as a high quality camping and fishing area in the West. Trash and litter will be picked up weekly to prevent pollution of the new lake. Interpretive signs will be updated and maintained to instruct anglers and campers of regulations. This money will be used for our initial stocking of fish in the lake and to help keep the riparian areas of the spawning streams feeding into the lake in high quality condition (planting trees, shrubs, willows). This lake will become a self supporting fishery with the trout spawning in the streams feeding the lake. Maintenance will be needed on these streams to protect them from degradation and maintain high water quality. Fish screens will also need to be maintained to prevent entrance of non-game fish into the new lake. Water quality of the lake and streams will be measured throughout the year, and habitat condition evaluated twice a year..

Section 7. Project description

a. Technical and/or scientific background.

The duck Valley Indian Reservation is located in Idaho and Nevada. The Owyhee River enters the Reservation at the southeast corner in Nevada and exits in the northwest corner of the reservation in Idaho, continuing into Oregon where it enters the snake river. The surface water resources of the reservation consists of the Owyhee river, two man-made lakes, over 350 miles of tributary streams and the billy Shaw wetlands fishery id scheduled construction in spring of 1998.

The Billy Shaw Wetlands fishery project for the Duck Valley Indian Reservation is part of an on-going project which began in 1995 and was funded by Bonneville Power Administration as substitution for the loss of resident fish habitat due to the construction of federal and non-federal hydroelectric dams on the Columbia and Snake Rivers. These dams resulted in the complete abolishment of anadromous fish and greatly disturbed the habitat for native resident fish in the Owyhee River and its tributaries on the Reservation. The loss adversely impacted our tribal treaty rights and natural resources, as well as negatively impacting our subsistence social, cultural, and economic resources on the duck Valley Indian reservation.

The operation and maintenance of this new fishery will be intensive for the first three years. It will encompass fencing of the lake to exclude domestic livestock from entering

the water and degrading the riparian area around the lake. This fence will require yearly maintenance (repairs to wire and posts) to ensure it serves its purpose. The area around the lake will need to be (monitored) to prevent pollution from entering the water and streams. Trash and litter from people fishing and visitors will need to be collected regularly. There will also be fish screens that will need to be maintained to keep the non-game fish from the Owyhee River out of the new Billy Shaw fishery.

All work has been completed under the direction of Guy Dodson Sr. (Director of the habitat, Parks, Fish and Game Department)(HPFG). The following key personnel have also been important in the completion of this work:

Personnel:

Guy Dodson Sr. - Director Habitat, Parks Fish and Game
Vincent Pero - Tribal Biologist
Reggie Premo - Fisheries/Wildlife Technician

b. Proposal objectives.

The specific objectives for this project for Fiscal year 1998 are as follows:

Objectives:

1. Maintenance of wetlands area/enhancement of riparian area(s)
2. Protect wetlands area from being polluted and degraded
3. Protect spawning streams

Expected Outcomes/Products:

1. To provide a clean quality habitat for fish and wildlife to thrive, with no pollution or litter in the water on the grounds of the wetlands area.
2. Will provide excellent water quality and riparian area around the lake to help support a healthy ecosystem. These products will then provide the essential habitat that will help the lake fishery survive and develop into a pristine area for the fish and wildlife that are in the surround the lake environment.
3. Will aid this lake in becoming a self-sustaining fishery. In protecting the streams, we will provide spawning habitat for the fish to reproduce and survive.

c. Rationale and significance to Regional Programs.

This proposal is for the operation and maintenance of the Billy Shaw Wetlands fishery scheduled to be under construction in the spring of 1998. The Billy Shaw Wetlands is part of the Northwest power Planning Councils measures (10.8C5) and is planned for

construction in spring 1998. This will allow us to keep this project to proceed as planned and according to the NPPC measures. The purpose of this project is to provide a naturally reproducing fishery. This fishery is intended to become a sport trophy fishery and will be a catch and release fishery with, as yet, an unknown species of trout, preferable native.

Another relevant project to the Billy Shaw Wetlands project is the Habitat Enhancement project which began in 1997. The Habitat Enhancement Project for the Shoshone-Paiute Tribes is designed to improve the overall water quality and quantity of the Owyhee River Basin, thus improving the water quality entering the Snake and Columbia River Basins. In accomplishing this task, we are also helping the survival of the native redband trout and rainbow trout. This will be done by fencing off portions of spawning streams to exclude cattle and wild game from trampling spawning beds. This will be very relevant to Billy Shaw tributaries that the fish in the lake will be using to spawn. We will also be fencing off portions of the Owyhee River in areas that have been severely damaged by cattle and wild game crossing the river. The fencing will help to reestablish riparian domestic stock to water and graze.

The Tribes will also be planting trees and native grasses along degraded stream banks, on the reservoirs shoreline, and along the Owyhee River. Included with this part of the project will be the work which began last season that involved vegetation control in the reservoirs, maintenance of fish screens to prevent stocked fish from entering the Owyhee River and exclusion of non-game fish in the reservoirs. (Council measure 10.8C.5)

d. Project history

- summary of major results achieved - past costs (see attached spreadsheet)

*Coyote sink

Project Reports - Annual Reports submitted to BPA

Years Underway - Project began in 1995 (3 years)

Past Costs - Approximately \$500,000.00

Major Results-

The Billy Shaw Wetlands project was initiated in 1995 with money being made available for a feasibility study of the *Billy Shaw slough area as a trophy fishery. This feasibility study was completed in April of 1996 by Kleinfelder Inc, (Boise, ID). The study determined and quantified that it would be feasible to construct a man-made lake at this location on the reservation and that it would become a trophy fishery. The Northwest Power Planning Council approved funding for construction of this fishery in August of 1996 and the final engineering design began in September of 1997 to be completed in March of 1998.

*Initially called Coyote Sink due to existing reservoir 2 miles upstream.

e. Methods.

Objective 1: Maintenance of wetlands area

Task 1:1

Employ seasonal employee to help police and maintain area, encourage public education the wetlands area. This employee will be responsible for seeing that the ground and shoreline of the lake of free of trash and litter.

Objective 2: Protect wetlands area from pollution and degradation

Task 2:1

Pick up debris from the water edge and shoreline. Erect signs for information, to enhance pollution control, to prevent degradation of the habitat, restrict access roads/trails. Maintain a clean campground. Fencing of the lake shoreline to exclude cattle and other animals from entering the water and destroying the riparian area of the lake. Also, to maintain screens for feeder streams to the lake to prevent non-game fish from entering the fishery.

Objective 3: Protect spawning streams

Task 3.1

Plant trees on the shore of the streams feeding Billy Shaw. Add gravel for spawning areas, log weirs, rip-rap where needed. Attempt to make the tributaries to Billy Shaw as natural as possible while still maintaining the integrity of the stream.

f. Facilities and equipment.

The Habitat, Parks, Fish and Game Department of the Shoshone-Paiute Tribes is currently being run from an office building located on the duck Valley Reservation. The office is equipped with computers (including scanner, printer, etc.) For the Director, Biologist, and Secretary, 2 way communication system, 6,000 sq ft shop. We have two 1997 4X4 pick-up trucks that are being leased through the Habitat Enhancement program as well as two vehicles that are used for our wildlife and parks program. The program has/or purchased the following equipment:

Gill nets

Lake survey equipment (sechie disc, plankton net, dredge, etc)

Electroshocker (stream)

Water quality meter (D.O, ph, Temp.)

Substrate sampler

Various hand and power tools

16' John boat (boat meter)

Snorkel equipment (wetsuits, masks, etc.)

Coolers

Refrigerator/freezer
CB System

g. References.

Section 8. Relationships to other projects

The Billy Shaw project complements two other projects currently being funded by BPA. The Tribes have a resident fish stocking program which enables our dept. to stock fish in our Reservoirs. Also, the Habitat Enhancement project enables these fish to spawn naturally in two streams that feed these reservoirs, giving these fish undisturbed areas of stream to spawn. The Habitat Enhancement project will supplement this project in the protection of spawning areas for the trout that will be initially stocked in this new body of water. This project will assist the education of both tribal and non-tribal members of the importance of maintaining a clean water system and the benefits of the riparian areas surrounding these waters.

This project is incorporated with Shoshone-Paiute Tribes Wildlife and Parks (W&P) and Wildhorse Marina and RV Park programs which is under the administration of the Habitat, Parks, Fish and Game Department. We have found that by incorporating all of these programs into one department the office is more efficient and effective in helping to enhance and protect our fish and game on the Reservation. The W&P program is responsible for the campgrounds at both reservoirs and maintaining these areas for visitors. We are in the process of writing new fish and game statutes, and hope to have a conservation officer to enforce these new laws. It is the hope of the Tribes to have self sustaining wildlife, fisheries, and clean cool free flowing water on the Reservation for the enjoyment of all, both Indians and non-Indians. We are working for the good of the entire Owyhee Basin and Columbia Basin ecosystem and would like to have a place for both sportsman and recreationalists to come and enjoy.

Section 9. Key personnel

Guy Dodson Sr. Director- Habitat, Parks, Fish and Game Department

Responsible for the day-to-day operation of the department. Attends meetings sponsored by Tribal Council, Northwest Power Planning Council, CBFWA and other important groups pertinent to this project(s). FTE (2080hrs)

RESUME

Guy Dodson Sr. - Project Director

Education

Bacon Jr. College A.A
University Nevada at Reno
May 1979

Boise State University 3 quarters
Boise Idaho

Work Experience

April 1997 - Present

Director - Habitat, Parks, Fish and Game
Shoshone-Paiute Tribes-Duck Valley Indian
Owyhee NV 89832

January 1996- Present

Director - Billy Shaw Wetlands Project
Shoshone-Paiute Tribes-Duck Valley Indian
Owyhee NV 89832

January 1990 - December 1996

Mental Health Director (Acting)
Owyhee Hospital
Shoshone-Paiute Tribes-Duck Valley Indian
Owyhee NV 89832

Previous work has included administration of contracts, grants, and programs for the Shoshone-Paiute Tribes including, but not limited to: education, vocational training, Dept. of Labor, EEOC, Job Corps, Job Training Partnership Act, Bureau of Indian Affairs.

Experienced in working with large and diverse groups of individuals and agencies. Experienced in the administration of large construction projects as well as participation in actual arena of labor for completion (ie. carpentry, pipelayer, masonry etc.)

Vincent Pero Tribal Biologist- Habitat, Parks, Fish and Game Department

Responsible for the biological aspects of the project(s), as well as the day-to-day operation of the temporary crew. Attends meetings pertinent to the project(s). (FTE (2080hrs)

Resume

Vincent D. Pero

Education

University of Idaho - B.S.
Moscow Idaho
May 1996

Work Experience

March 1997-Present	Tribal Biologist - Habitat, Parks, Fish and Game Shoshone-Paiute Tribes-Duck Valley Indian Owyhee, NV
May 1996-March 1997	University of Idaho Fisheries Technician

My work experience includes five years as a field technician in fisheries work. Working with anadromous and resident fish as well as many habitat projects for Idaho Department of Fish and Game. I have construction experience both in Idaho and New York states, and am currently finishing up my first year as Tribal Biologist for the Tribes. My experience also includes work with the University of Idaho analyzing data and radio tracking steelhead and chinook salmon.

During this work I have been responsible for supervision of a four man crew, figuring budgets for many programs related to the Habitat Enhancement Project, attending pertinent meetings with state and federal agencies, writing proposal, reading and responding to various EA's and EIS's, and daily operation of our program. The work that has been completed so far in our program are my most recent job completions to date.

Section 10. Information/technology transfer

The information gathered from this project will be available at the HPFG Department during normal business hours. We will also have the information available via e-mail or US mail. The data will be available as a database at the conclusion of this project with limited information available throughout the course of this work. Upon completion of the many of these projects and the fisheries evaluations, most of the data will be available as publications. The information gathered during the course of this project is new information and hopefully the data and observations will be able to be used by other scientists to better help them work with the native trouts of the inland Northwest.