

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

Section 1. General administrative information

**Stocking fish in lakes and streams on the Duck
Valley Indian Reservation**

Bonneville project number, if an ongoing project 8815600

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	<u>Guy Dodson Sr.</u>
Mailing Address	<u>Box 219</u>
City, ST Zip	<u>Owyhee, NV 89832</u>
Phone	<u>208-759-3246</u>
Fax	<u>208-759-3248</u>
Email address	<u></u>

Subcontractors.

Organization	Mailing Address	City, ST Zip	Contact Name
Black Canyon Trout Farm	P.O. Box 121	Grace, ID 83241	George Kimball
College of Southern Idaho	P.O. Box 1238	Twin Falls, ID 83303	Terry Patterson

NPPC Program Measure Number(s) which this project addresses.
10.8C2, 10.8C4

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

Other planning document references.

Duck Valley Indian Reservation (DVIR) Natural Resources Plan

Subbasin.

Upper Snake River subbasin, Owyhee River subbasin

Short description.

To enhance the reservoir fishing on the Duck Valley Indian Reservation we propose to stock Mt. View and Sheep Creek Reservoirs along with the Owyhee River with catchable and fingerling size rainbow trout. This project will develop a sustainable fishery for harvest by tribal and non-tribal members.

Section 2. Key words

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

Other keywords.

fish stocking

Section 3. Relationships to other Bonneville projects

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

Project #		Nature of relationship
97-011		spawning habitat and clean cool water for trout to spawn

Section 4. Objectives, tasks and schedules

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-Insert from within this table.

Obj 1,2,3	Objective	Task a,b,c	Task
1	Provide fishery for tribal members and non-tribal members	a	Stock Catchable and fingerling trout in two reservoirs and river on the Duck Valley Reservation
2	Maintain vehicle lease and fund seasonal employee	a	Lease vehicle and hire temporary employee to help in stocking, monitoring, and maintenance of reservoirs

Objective schedules and costs

Objective #	Start Date mm/yyyy	End Date mm/yyyy	Cost %
1	11/1998	10/1999	90
2	11/1998	10/1999	10

Schedule constraints.

Constraints that may cause changes are mortalities to fish during transport from hatchery to the Reservation. Also, of being able to secure certified disease free fish.

Completion date.

2010 or when anadromous fish return to the Owyhee River.

Section 5. Budget

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). **Be sure to enter a total on the last line: this is the amount of your budget request.**

Item	Note	FY99
Personnel		
Fringe benefits		
Supplies, materials, non-		

expendable property		
Operations & maintenance		\$9,607.00
Capital acquisitions or improvements (e.g. land, buildings, major equip.)		
PIT tags	# of tags: 10,000	
Travel		
Indirect costs		\$2,553.00
Subcontracts		\$97,837.00
Other		
TOTAL		\$110,000.00

Outyear costs

Outyear costs	FY2000	FY01	FY02	FY03
Total budget	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00
O&M as % of total	10%	10%	10%	10%

Section 6. Abstract

The Shoshone-Paiute Tribes will stock the Owyhee River and two reservoirs (Mt. View and Sheep Creek) with catchable and fingerling size certified disease free rainbow trout. This will help provide a subsistence fishery for tribal members who once lived on the wild salmon and steelhead in the Owyhee River. This is partial substitution for the loss of anadromous fish due to construction and operation of hydroelectric dams on the Columbia and Snake Rivers. This fishery provides income for the Tribes in the form of fees from non-tribal members who come to fish in these waters. Rainbow trout will be purchased from local hatcheries and only certified disease-free fish will be put into the waters of the Reservation. This project is expected to last for at least ten years until a self-sustaining fishery can be produced. Fish will be netted one-two times/year for length-weight data and signs of disease. Population estimates will also be made at this time.

This project has been successful in the past with many people coming from the western United States to fish and with Tribal members being able to provide food for their families.

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, approximately 200 man-made or natural stock water ponds, and a new proposed man-made lake in the Billy Shaw slough area.

The fish stocking project for the Duck Valley Indian Reservation is part of an on-going project of stocking Reservation waters with rainbow trout. Funded by Bonneville Power Administration as partial 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 social, cultural, and economic resources on the Duck Valley Indian Reservation.

In stocking rainbow trout (*Oncorhynchus mykiss*) in the waters of the Duck Valley Indian Reservation we are providing a subsistence fishery for members of the Shoshone-Paiute Tribes. Prior to the construction and operation of the hydroelectric dams anadromous fish were an important part of the Tribes culture, heritage, economy, and an important food source. This project helps ease some of the economic burden associated with the loss of salmon through the sale of fishing permits to non-tribal members and aids the local economy with money spent from the tourists that camp and fish on the Reservation. Fish stocking of the Reservation waters is in accordance with the Power Planning Council Measures (10.8C.2, 10.8C5) and has been very successful in the past. Over the past few years the number of people fishing has steadily increased. A creel census has been established in order to better monitor the number of people coming to the reservation to fish, along with the number of tribal members utilizing the reservoir and stream fishery.

This work is a logical component of our goal for the Columbia Basin Ecosystem, which is to "protect, mitigate, and enhance fish and wildlife" in the Columbia River Basin. The Tribes are both enhancing and protecting our reservoirs through this project. We are supplying healthy fish to the ecosystem and also protecting our waters through patrols by tribal game wardens. It is our hope to eventually have anadromous fish return to the Owyhee River and its tributaries, when this occurs we no longer will require dollars for stocking trout in our reservoirs.

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

In-kind personnel:

1 full time game wardens
2 part time game wardens
1 secretary

b. Proposal objectives.

The specific objectives for this project for Fiscal Year 1999 are as follows:

Objectives:

1. Provide fishery for Tribal and non-tribal members
2. Maintain vehicle lease and seasonal employee

Expected outcomes/Products:

1. Have a sustainable subsistence fishery for Tribal members and a recreational fishery for non-tribal members that will generate needed income for the Tribes.
2. Employ temporary person to maintain the quality of the reservoirs and to continue lease of a vehicle.

Annual reports will be compiled that will include population estimates of the trout in both reservoirs. Also, we will continue the creel census to determine angler hours and catch rates to better help in evaluating future stocking numbers as well as establishing catch limits for non-tribal members. All of this information will be useful for future managers both on this reservation and others in the area. This work will also help in attaining growth rates and in the reservoirs as well as reservoir pool levels for optimum growth and survivorability.

c. Rationale and significance to Regional Programs.

This project specifically relates to the NPPC measure 10.8C.2 in annually stocking lakes and the Owyhee River on the Duck Valley Indian Reservation as partial compensation for the complete loss of anadromous fish. This project aids the Tribes in providing a subsistence fishery for its members. It reduces fishing pressure on the native salmonid species in the river and its tributaries. It will also help to provide a catchable fishery on the Reservation once the Billy Shaw Wetlands catch and release trophy fishery gets underway.

The Shoshone-Paiute Tribes also have a Habitat Enhancement project that will benefit the fish stocking project. Part of the Habitat Enhancement project is to maintain fish screens at the reservoirs to help keep game fish in the reservoirs and non-game fish out. This will save money on purchasing fish in the future will help create a better quality fishery for the Tribes. We hope to provide a suitable habitat for the fish in both reservoirs to spawn naturally. The work that is being completed at the reservoirs and streams of the Reservation will help provide better water quality and more suitable spawning habitat for

these fish.

d. Project history

The project history of the Fish Stocking Project for the Shoshone-Paiute Tribes is simple and very successful. There is very little data available at this time as in the past there was only a limited creel census taken and numbers and sizes of fish were not measured annually. However, we have now put into our workplan a intensive creel census and biological data to be gathered on the fish annually or bi-annually. This data will better aid the managers in determining stocking rates and sizes. Also, we will be able to determine catch effort and catch limits for the reservoirs. All of this new information will be beneficial to managing the Billy Shaw catch and release fishery planned for 1998.

- annual reports to BPA
- project underway nine years
- budget for FY98 \$110,000.00

e. Methods.

Objective 1: Provide fishery for tribal and non-tribal members

Fish will be purchased from two hatcheries in southern Idaho and will be transported to the Duck Valley Indian Reservation at various times throughout the year, beginning in the spring and ending in early October. Fish will be transported in hatchery tanker vehicle to the Reservation.

The risks associated with this type of work are excessive mortalities to fish during transport from the hatchery to the Reservation. These risks will be lessened by care of equipment and use by trained employees. This transport has been very successful in the past with little or no transportation mortalities.

Task 1.1: Stock catchable and fingerling size rainbow trout in Mt. View and Sheep Creek Reservoirs and the Owyhee River on the Duck Valley Indian Reservation.

Objective 2: Maintain vehicle lease and seasonal employee

Task 2.1: Continue with the lease of a pickup truck for use by employees to help in the fish stocking and to monitor, maintain, and patrol the reservoirs.

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.

We have one 1996 pick-up truck that are is leased through the Fish Stocking program as well as two vehicles that are leased through the Habitat Enhancement program. We also have one pickup that is from our wildlife and parks program. These programs combined have purchased or have the use of 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

Snorkel equipment (wetsuits, masks, etc)

Coolers

Refrigerator/freezer

Two way radios

g. References.

Section 8. Relationships to other projects

The Fish Stocking project is working in conjunction with two other projects both funded by BPA. The Tribes have a Habitat Enhancement project which is working on protecting and repairing critical stream habitat near the reservoirs and elsewhere on the Reservation.

This stream work will enable the stocked fish to spawn naturally in two streams that feed these reservoirs, giving these fish undisturbed areas of stream to spawn. Also, we are currently nearing the end of the "Final Engineering and Design" phase of the Billy Shaw Wetlands area project. These three projects also will help to educate 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 also working with the Shoshone-Paiute Tribes Wildlife and Parks (W&P) program which is operating out of the same building. We hope to incorporate all these programs and form one department that will enhance and protect both 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
Reservation
Owyhee NV 89832

January 1996- Present

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

January 1990 - December 1996

Mental Health Director (Acting)
Owyhee Hospital
Shoshone-Paiute Tribes-Duck Valley Indian
Reservation
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 Reservation 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.

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 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.