

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

**Section 1. General administrative information**

**Assess Resident Fish Within Toppenish Creek  
And Satus Creek**

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**Bonneville project number, if an ongoing project**    9110

**Business name of agency, institution or organization requesting funding**  
Yakama Indian Nation

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**Business acronym (if appropriate)**    YIN

**Proposal contact person or principal investigator:**

**Name**                            George Lee  
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**City, ST Zip**            Toppenish, Wa. 98948  
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**Subcontractors.**

<b>Organization</b>	<b>Mailing Address</b>	<b>City, ST Zip</b>	<b>Contact Name</b>
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**NPPC Program Measure Number(s) which this project addresses.**  
,10.1, 10.5A

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**NMFS Biological Opinion Number(s) which this project addresses.**  
Bull Trout have not been reported or cited within these subbasins. This assessment will also address this issue of ESA proposed listings of the species.

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**Other planning document references.**

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**Subbasin.**

**Short description.**

Initiate a resident fish program. Assess the resident fish populations within the areas of the Toppenish Creek and Satus Creek and their tributaries. Assess problems which can be limiting factors for resident fish survival within the two watersheds. Compa

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**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.		Supplementation
			Enforcement		Wildlife habitat en-
			Acquisitions		hancement/restoration

**Other keywords.**

Resident fish, limiting factors,

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**Section 3. Relationships to other Bonneville projects**

Project #	Project title/description	Nature of relationship
9603501	Satus Watershed Restoration	
	Upper Toppenish Creek project (if approved)	

**Section 4. Objectives, tasks and schedules**

**Objectives and tasks**

Obj 1,2,3	Objective	Task a,b,c	Task
1	Assess resident fish species within Satus Creek and Toppenish Creek and their	a	Gather historical information ie. Planting records, fishing creel census if available and interview

	tributaries		fishers.
		b	Field survey- electro-fishing and snorkeling in randomly selected reaches
2	Limiting factors analysis on flow and fishing pressure from fishers	a	Low summer flow, winter runoffs, riparian damage, sediment from roads.
3	Comparison of the two watersheds.	a	Why are brook trout and cutthroat
4	Recommendations for management of the watersheds for resident fish survival and enhancement.	a	Recommmendations for management to include timber harvest, road building and maintenance, fishing pressure.

**Objective schedules and costs**

Objective #	Start Date mm/yyyy	End Date mm/yyyy	Cost %
1	10/1998	9/2000	60.00%
2	10/1999	9/2001	10.00%
3	10/1999	9/2001	10.00%
4	1/2001	9/2001	20.00%
			TOTAL 100.00%

**Schedule constraints.**

Toppenish Creek and Satus Creek are tributaries of the Yakima River and flow through the Yakama Indian Reservation. It is assumed that for this reason there should not be any constraints other than natural causes, such as the weather, spring freshets.

**Completion date.**

It is estimated that assessment and other related objectives will be completed by 2001

**Section 5. Budget**

**FY99 budget by line item**

Item	Note	FY99
Personnel	Bio .5 @\$16151.00; FT fish tech @ \$19656.00; 10% bkkr @\$2525.00	\$38,332
Fringe benefits	@25.3%	\$9,698
Supplies, materials, non-expendable property	office; field gear,	\$1,500
Operations & maintenance	vehicle rental	\$5,000

Capital acquisitions or improvements (e.g. land, buildings, major equip.)	Electro-shocker	\$3,500
PIT tags	# of tags:	
Travel		\$ 300
Indirect costs	@23.5%	\$12,885
Subcontracts		
Other		
<b>TOTAL</b>		<b>\$71,215</b>

***Outyear costs***

<b>Outyear costs</b>	<b>FY2000</b>	<b>FY01</b>	<b>FY02</b>	<b>FY03</b>
Total budget	\$67,715	\$67,715		
O&M as % of total	0.00%	0.00%		

**Section 6. Abstract**

The Yakama Indian Nation does not have a resident fish program which has assessed the status of resident species within the Toppenish Creek and the Satus Creeks and their tributaries. These creeks have been recognized as the anadromous streams for steelhead returning to spawn. The resident fish species have been neglected to some extent. The overall project goal and objectives of the project is to collect data that will be useful for resident fish management, and enhance the resident species to allow for consumptive subsistence and recreational fisheries for Tribal members as well as sport angler's, as described within the 1994 Columbia Basin Fish and Wildlife Program, this project will also provide benefits to anadromous fish and wildlife. This can be done by supplementation or artificial production, or better management of the watersheds, riparian areas, depending on recommendations of staff once assessments are completed.

**Section 7. Project description**

**a. Technical and/or scientific background.**

As stated within the goals and objectives of the 1994 Fish and Wildlife Program, Section 10, Resident Fish, subsistence and recreational fisheries should be enhanced. The fishing pressure of anadromous species has increased in ocean and the Columbia River, which has severely affected returns. A resident fish program within the Yakama Indian Nations' Fisheries Resource Management program would allow for this subsistence and recreational fisheries to continue.

**b. Proposal objectives.**

Establish Resident fish program for on reservation for subsistence and recreational/sport fishers'. This can be done by first assessing resident fish populations and their limiting factors of survival and the management recommendations. This project will cover a portion of creeks and streams located on the Yakama Indian Reservation.

**c. Rationale and significance to Regional Programs.**

This project can enhance resident fish, anadromous fish and wildlife through this assessment and goals of the project. This project is consistent with the ecosystem approach which is being applied to the Columbia River basin.

**d. Project history**

This is a new project and there has not been any resident fish projects performed within this area.

**e. Methods.**

**f. Facilities and equipment.**

Facilities and home office for this project will be located within the Yakama Indian Nations' Resource Management Program headquarters, in Toppenish, Wa. Office space is available and related office supplies, i.e. Computers are available. The Yakama Indian Resource Management has a secured bullpen for vehicles, which will be leased from GSA. Since sampling will be done by electro-shocking, a line item has been included for the purchase of this equipment within the initial proposal.

**g. References.**

References are limited at this time and can be included at a later time.

## **Section 8. Relationships to other projects**

The Satus watershed project and a proposed project for the Toppenish Creek will be doing hydrology within these systems. This project will be addressing issues specifically for resident fish.

## **Section 9. Key personnel**

George Lee, received an AA degree from Mt. Hood Community College in Fisheries Technology and B. S. degree in Aquatic Resources from Sheldon Jackson College, Sitka, Ak.

Technician will be determined later.

## **Section 10. Information/technology transfer**

Information will be made available through publications.