

**Bonneville Power Administration  
Fish and Wildlife Program FY98 Watershed Proposal Form**

**Section 1. General administrative information**

**Title**    **Aircraft Monitoring of Tributary Systems  
(Walla Walla, Tucannon, Asotin Creek, Grand  
Rhonde, and Snake River Basin.**

---

**Bonneville project number, if an ongoing project**    8063

**Business name of agency, institution or organization requesting funding**  
Washington State Department of Fish and Wildlife

**Business acronym (if appropriate)**    WDFW

**Proposal contact person or principal investigator:**

Name	<u>Rick Webb</u>
Mailing Address	<u>2044 Pleasant Street</u>
City, ST Zip	<u>Walla Walla, WA 99362</u>
Phone	<u>509-529-8244</u>
Fax	<u>None</u>
Email address	<u>rwebb38@bmi.net</u>

**Subcontractors.**

<b>Organization</b>	<b>Mailing Address</b>	<b>City, ST Zip</b>	<b>Contact Name</b>

**NPPC Program Measure Number(s) which this project addresses.**

---

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

---

**Other planning document references.**

**Watershed Project - Demonstrable Support:** This project would have support and participation from the Umatilla Tribe. The tribe currently has a law enforcement branch (supported by BPA funds) to deal with environmental issues within the local basins (Walla Walla, Touchet, Tucannon, Grand Rhonde, Snake, and Columbia Rivers). The Tucannon Model Watershed group would support this effort as they have expended a major effort in securing funding, hydraulic project permits and plan submittal for numerous in-stream habitat enhancement projects on these systems. Aerial patrols of the basins are necessary to ensure that only approved and permitted activities which are in the best interest of anadromous stocks are occurring. Unauthorized projects and activities would be a deterrent toward the effectiveness of the approved related in-stream projects to accomplish their project goals and objectives.

---

**Subbasin.**

**Subbasins where work is performed:** Walla Walla, Touchet, Snake River, Columbia River, Asotin, and Grand Rhonde.

---

**Short description.**

**Utilization of aircraft is an indispensable tool when multiple compliance and activity spot checks are required over large areas where staffing is limited. Utilizing the Enforcement aircraft allows for the monitoring of multiple river systems (all experiencing concurrent migrations or activity) on the same day, and to coordinate and direct limited field personnel towards identified needs or violations.**

---

**Section 2. Key words**

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

**Other keywords.**

**No other key words**

---

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

Project #	Project title/description	Nature of relationship

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

Obj 1,2, 3	Objective	Task a,b,c	Task
1	Conduct aerial flights over the affected basins	a	Detection of in-stream hydraulic activities

**Objective schedules and costs**

Objective #	Start Date mm/yyyy	End Date mm/yyyy	Cost %
1	05/1998	07/1998	100%

**Schedule constraints. None**

---

**Completion date.**

**Ongoing annually if funded**

---

**Section 5. Budget**

Item	Note	FY98
Personnel	3 staff for 6 days	\$3,384
Fringe benefits		\$828
Supplies, materials, non-		\$200

expendable property		
Operations & maintenance	Use of plane, vehicle mileage	\$6,100
Capital acquisitions or improvements (e.g. land, buildings, major equip.)		
PIT tags		
Travel		
Indirect costs	@19%	\$1,997
Subcontracts		
Other		
<b>TOTAL</b>		\$12,509

***Outyear costs***

<b>Outyear costs</b>	<b>FY99</b>	<b>FY00</b>	<b>FY01</b>	<b>FY02</b>
Total budget	12,509	12,509	12,509	12,509
O&M as % of total	100	100	100	100

**Section 6. Abstract**

**Enforcement efforts will ensure vital continuity of aquatic environments essential for fish survival by locating/inspecting/monitoring unauthorized hydraulic projects during sensitive periods for downstream migrants and migrating Spring Chinook adults.**

**Section 7. Project Description**

**Utilization of aircraft is an indispensable tool when multiple compliance and activity spot checks are required over large areas where staffing is limited. Utilizing the Enforcement aircraft allows for the monitoring of multiple river systems (all experiencing concurrent migrations or activity) on the same day, and to coordinate and direct limited field personnel towards identified needs or violations.**

**Proposal: consistent with NMFS restoration planning to establish explicit objectives and timelines, the following is proposed:**

**Components:**

- ☞ Approximately two flights per month staggered between May 1, 1998 and July 1, 1998.**
- ☞ Department aircraft and pilot, and one officer/observer, would be used, as well as at least one ground unit, patrol vehicle and officer, available per system to be spot checked.**

☞ When and where available, Umatilla or Intertribal enforcement will be invited to participate. Biological ride-alongs will also be encouraged for redd counts, etc.

☞ Air/ground patrols will focus on protecting returning adult salmon and steelhead, as well as downstream smolt migrations. Permit activities are generally allowed from July 1 through October 31, 1998. Migrating adult Chinook salmon migrate during this period. Aircraft coverage has been an important tool during these periods. This program shall be monitored through weekly activity reports through the regions and aircraft logs. Other agencies, tribe, and programs will be integrated for maximum efficiencies.

**Fish saved:** Much of the water monitored by these plane flights is extremely difficult to observe by roadways. Aircraft locates illegal hydraulic and fishing activity that would otherwise slip by undetected.

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

Flights of this nature have occurred with the use of BPA aircraft and personnel in the past to detect illegal activities which are easily concealed from view by private property access restrictions. Several contacts have been made with landowners and contractors in the past as a result of these observations.

**b. Proposal objectives.**

**Measurable Objective:** Air flights over area basins to detect instream activities.

**Measurable Product:** Observations, contacts, and enforcement action to be carried out as a result of the aerial observations. Written reports will be completed detailing observations, contacts, violations, or actions/referrals to other agencies (i.e. DOE, Corps).

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

This project provides support to the other projects in the basin that have secured the ability through habitat enhancements and passage improvements for wild salmonids. It is essential that instream project activities be permitted. Additionally, it is as critical that projects operate within the time frames as set forth in state regulatory guidelines to ensure that anadromous fish receive maximum protection.

**d. Project history**

**Previous years:** 1994, 1995, 1996, 1997 coded to BPA project code for time worked. Listed on CRLEC activity forms under Habitat and aircraft.

e. **Methods.**

**How work is to be accomplished: To be accomplished by use of aircraft. Officers will then access the project sites by foot or patrol vehicle as the need requires. Field inspection will be made after receiving information from the aircraft. These contacts and activities will be documented on WDFW Habitat Project Application field report forms. They will then be forwarded to the detachment sergeant for review and compilation.**

f. **Facilities and equipment.**

**Aircraft**

g. **References.**

Type here (provide answers in paragraph form) N/A

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

**This project enhances the viability of all other projects to ensure the passage of migrating juvenile and adult anadromous species. This project attempts to minimize the amount of siltation and disturbance spawned eggs would have to endure to survive because of unauthorized, pre-season hydraulic activity in the streams and rivers. This project protects the ability of those prodigy to survive and eventually meet expected wild/natural production goals.**

## **Section 9. Key personnel**

**Commissioned patrol officers of Detachment 29 (southeast WA), encompassing Walla Walla, Columbia, Garfield, and Asotin Counties. These areas are located within Region 1 (Spokane HQ). Officers are commissioned personnel and charged with the enforcement of state statutes (Title 75, Title 77, WAC 220, WAC 232) which address hydraulic project activities occurring in the waterway and wetland areas of the state of Washington.**

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

**The information from this project will be included in the Annual Detachment 20 Enforcement Summary as well as the summary report for the Watershed Basin District Three Team (watershed coordinators report) which is submitted to the agency at the end of the year.**