



**U.S. Fish and Wildlife Service - Pacific Region**  
**Columbia Basin Hatchery Review Team**

**Columbia River Basin, Columbia Gorge Province**

*Little White Salmon, Big White Salmon, and Wind River Watersheds*



**Carson, Spring Creek, Little White Salmon, and Willard  
National Fish Hatcheries**

**Assessments and Recommendations**

**Final Report, Appendix E:**  
**Operations and Maintenance Costs Summary**

**December 2007**



## Appendix E: Gorge National Fish Hatcheries Operations and Maintenance Costs Summary

### *FY2007 Operating Budgets*

Funding for operation of National Fish Hatcheries (NFHs) in the Columbia River Gorge and associated support costs of the Lower Columbia Fish Health Center (FHC) is derived from several fishery mitigation programs including Mitchell Act funding through National Marine Fisheries Service (NMFS), John Day Mitigation funding through U.S. Army Corps of Engineers (COE), Columbia River Fish and Wildlife Program funding through Bonneville Power Administration, and Priest Rapids/Wanapum Fishery Mitigation through Grant County Public Utility District (PUD). Appropriated funds of the U.S. Fish and Wildlife Service (FWS) are also used to cover costs at these facilities.

Gorge Region National Fish Hatchery Funding	Allocation					
	NMFS	COE	BPA	PUD	FWS	Total
Carson NFH	\$562,700	\$0	\$0	\$0	\$64,900	\$627,600
Little White Salmon NFH	\$664,500	\$24,400	\$0	\$253,900	\$75,700	\$1,018,500
Willard NFH	\$0	\$0	\$136,000	\$0	\$0	\$136,000
Spring Creek NFH	\$443,600	\$575,200	\$0	\$0	\$0	\$1,018,800
Lower Columbia Fish Health Center	\$159,900	\$30,500	\$18,800	\$0	\$403,500	\$612,700
<b>TOTAL FY2007</b>						<b>\$3,413,600</b>

### *Major Maintenance and Construction Costs*

The operating budget for the Gorge NFH facilities presented above includes cyclical maintenance but does not cover all maintenance costs. The following lists the total cost of major maintenance and construction projects for each facility for the past six years FY2001-2006. Most projects were funded through U.S. Fish and Wildlife Service utilizing appropriated funds including a special appropriation for repair of storm damage. Major maintenance at Spring Creek NFH was funded through a mix of John Day Mitigation (COE) and Mitchell Act (NMFS) funding.

#### **Major Maintenance and Construction Projects Costs: FY2000-2006**

Carson NFH:	\$ 1,757,100
Little White Salmon NFH:	\$ 5,499,500
Willard NFH:	\$ 819,500
<u>Spring Creek NFH:</u>	<u>\$ 712,800</u>
<b>TOTAL:</b>	<b>\$ 7,969,400</b>

An estimated backlog of needed maintenance and renovation is identified utilizing a periodic condition assessment conducted by U.S. Fish and Wildlife Service and projects identified by individual facility managers.

## USFWS Columbia Basin Hatchery Review Team

### *Columbia Gorge NFHs Assessments and Recommendations Report – December 2007*

#### **Estimated Major Maintenance and Construction Backlog: FY2007-FY2016<sup>1</sup>**

Carson NFH:	\$ 8,849,600
Little White Salmon NFH:	\$ 847,400
Willard NFH:	\$ 9,207,300
Spring Creek NFH:	\$ 3,147,100
<b>TOTAL:</b>	<b>\$ 22,051,400</b>

#### ***Monitoring and Evaluation Costs FY 2007***

Monitoring and evaluation (M&E) projects are conducted at the Gorge NFHs to determine their effectiveness and to evaluate options for program modifications. These activities are conducted by the Columbia River Fisheries Program Office (CRFPO) and the Abernathy Fish Technology Center (AFTC). Both are field offices of the U.S. Fish and Wildlife Service. Funding for M&E in FY2007 was distributed as follows.

	<b>NMFS</b>	<b>COE</b>	<b>BPA</b>	<b>Total</b>
CRFPO	\$158,100	\$159,900	\$18,500	\$336,500
AFTC	\$68,800	\$5,700	\$0	\$74,500

In FY2007 approximately \$1,669,840 was spent on marking, adult recovery and reporting to assess contribution and survival of coho, fall Chinook, spring Chinook and winter steelhead reared at the four Gorge NFHs. Costs do not include ocean and in-river fisheries CWT recovery and processing costs of FWS tag codes incurred by the States that are reimbursed by the FWS. Reimbursement is primarily to the State of Oregon. FY2008 costs are expected to increase by 3.5%.

<b>Gorge Region National Fish Hatchery Marking, Monitoring &amp; Evaluation</b>	<b>Total</b>
Carson NFH	\$149,170
Little White Salmon/Willard NFH	\$698,499
Spring Creek NFH	\$822,171
<b>TOTAL FY2007</b>	<b>\$1,669,840</b>

<sup>1</sup> These projects are subject to funding availability. Estimates derived from the RAX proposed construction project list for the Gorge facilities for 2007-2016.



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**For Columbia River Basin Hatchery Review Information**  
**[www.fws.gov/pacific/Fisheries/Hatcheryreview/](http://www.fws.gov/pacific/Fisheries/Hatcheryreview/)**

**The mission of the U.S. Fish and Wildlife Service is working with others to conserve, protect and enhance fish, wildlife, plants and their habitats for the continuing benefit of the American people.**

**December 2007**

