



**U.S. Fish and Wildlife Service - Pacific Region  
Olympic Peninsula Hatchery Review Team**

**Olympic Peninsula**

***Big Quilcene, Quinault, Hoh, Sooes, and Waatch River Watersheds***



**Quilcene, Quinault, and Makah National Fish Hatcheries  
Assessments and Recommendations**

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

**May 2009**

*Please cite as:*

U.S. Fish and Wildlife Service (USFWS). 2009. *Olympic Peninsula NFH Hatchery Review Assessments and Recommendations- Appendix D: Operations and Maintenance Costs Summary. Final Report, May 2009*. Hatchery Review Team, Pacific Region. U.S. Fish and Wildlife Service, Portland, Oregon. <<http://www.fws.gov/Pacific/Fisheries/Hatcheryreview/reports.html> >

## Appendix D: Olympic Peninsula National Fish Hatcheries Operations and Maintenance Costs Summary

### *FY2008 Operating Costs*

Funding for the operation of the three National Fish Hatcheries (NFHs) on the Olympic Peninsula and associated support costs of the Olympia Fish Health Center (FHC) come from federal appropriations and the Service's cyclical maintenance fund.

Olympic Peninsula National Fish Hatcheries	Cost Allocation		
	Appropriations	Cyclical Maintenance	Total
Quilcene NFH	\$497,752	\$119,591	\$617,343
Quinalt NFH	\$669,490	\$128,761	\$798,251
Makah NFH	\$593,740	\$150,119	\$743,859
<b>Total FY2008</b>			<b>\$2,159,453</b>

Fish Health Costs	
Quilcene NFH	\$91,000.00
Quinalt NFH	\$115,000.00
Makah NFH	\$115,000.00
<b>Total FY2008</b>	<b>\$321,000.00</b>

### *Major Maintenance and Construction Costs*

The operating budget for the Olympic 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 FY2004-2008. The projects were funded through U.S. Fish and Wildlife Service utilizing appropriated funds.

Major Maintenance & Construction Costs (FY2004-2008)	
Quilcene NFH	\$907,797
Quinalt NFH	\$1,586,167
Makah NFH	\$2,512,120
<b>Total:</b>	<b>\$5,006,084.00</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 Olympic Peninsula Hatchery Review Team

*Olympic Peninsula NFHs Assessments and Recommendations Report – May 2009*

### **Estimated Major Maintenance and Construction Backlog: FY2009-FY2016<sup>1</sup>**

<b>Estimated Major Maintenance &amp; Construction Backlog - FY2009-2016</b>	
Quilcene NFH	\$17,877,500
Quinault NFH	\$4,557,492
Makah NFH	\$2,664,000
<b>Total:</b>	<b>\$25,098,991.97</b>
<i>Big ticket items include \$4.5 million for the construction of a spawning facility at Quilcene NFH, \$1.5 million to replace the weir at Quinault NFH, and \$600,000 to modify the fish release structure at Makah NFH</i>	

### ***Monitoring and Evaluation Costs FY 2008***

Monitoring and evaluation (M&E) projects are conducted at the Olympic NFHs to determine their effectiveness and to evaluate options for program modifications. These activities are conducted by the Western Washington Fish and Wildlife Service Office (WWFWO) and the Abernathy Fish Technology Center (AFTC). Both are field offices of the U.S. Fish and Wildlife Service. .

In FY2008 approximately \$675,000 was spent on marking, adult recovery and reporting to assess contribution and survival of coho, fall Chinook, winter steelhead, and fall chum. Costs do not include ocean and in-river fisheries CWT recovery and processing costs of U.S. Fish and Wildlife Service tag codes incurred by the States.

<b>Monitoring and Evaluation Costs</b>	
Quilcene NFH	\$100,000.00
Quinault NFH	\$235,000.00
Makah NFH	\$340,000.00
<b>Total:</b>	<b>\$675,000.00</b>

<sup>1</sup>These projects are subject to funding availability. Estimates were derived from the USFWS Service Asset Maintenance Management System (SAMMS).



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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.**

**May 2009**

