



**Department of Ecology - Water Quality Program  
Saltwater Algae Program**  
**Revised Final Offer and Applicant List – Fiscal Year 2010**

The 2009 Legislature included language in the state’s operating budget for the Department of Ecology (Ecology) to provide \$140,000 in grants to “cities, counties, tribes, special purpose districts, and state agencies for capital and operational expenses used to manage and study excessive saltwater algae with an emphasis on the periodic accumulation of sea lettuce on Puget Sound beaches.”

In October of 2009, the Saltwater Algae program accepted applications for both management of and research on saltwater algae (sea lettuce). Funds were to be distributed approximately equally between the two categories. Ecology received just two applications under this grant program. Both projects were awarded funding. However, less than half of the available funds were awarded.

In January of 2010, the Saltwater Algae program issued a Request for Proposals to solicit additional applications for the funds available from this program. Two more applications were received and evaluated. One of these projects will receive funding.

**Saltwater Algae Management Applications**

Application Number	Applicant Name/Project Title	Total Funds Requested	SWAP Funds Offered
<b>SWAP1001</b>	City of Federal Way <b>Dumas Bay Saltwater Algae Management</b>	<b>\$34,965</b>	<b>\$34,965</b>
<b>SWAP1004</b>	City of Federal Way <b>Dumas Bay Permitting Agency Coordination</b>	<b>\$22,500</b>	<b>\$0</b>
<b>Subtotal, Management Applicants</b>		<b>\$57,465</b>	<b>\$34,965</b>

**Saltwater Algae Research Applications**

Application Number	Applicant Name/Project Title	Total Funds Requested	SWAP Funds Offered
<b>SWAP1002</b>	City of Federal Way <b>Dumas Bay Saltwater Algae Research</b>	<b>\$34,987.50</b>	<b>\$34,987.50</b>
<b>SWAP1003</b>	Western Washington University <b>Penn Cove Algal Accumulations</b>	<b>\$35,000.00</b>	<b>\$35,000.00</b>
<b>Subtotal, Research Applications</b>		<b>\$69,987.50</b>	<b>\$69,987.50</b>

**TOTAL FUNDS REQUESTED AND OFFERED**

<b>\$127,452.50</b>	<b>\$104,952.50</b>
---------------------	---------------------

**Department of Ecology - Water Quality Program  
Saltwater Algae Program  
Fiscal Year 2010 Project Descriptions**

Application Number	Applicant Name	Project Title	Project Summary
SWAP1001	Federal Way, City of	Dumas Bay Saltwater Algae Management	The applicant proposes to develop and implement a Dumas Bay Saltwater Algae Management Project to provide public education, planning for formation of a Beach Management District (BMD), and a program to monitor air quality and beach conditions.
SWAP1002	Federal Way, City of	Dumas Bay Saltwater Algae Management	The applicant proposes to identify sources of nitrogen in Dumas Bay by collecting a variety of samples (macro algae, stream water, marine water, wastewater discharge, and commercial fertilizers) and completing analyses to measure $\delta^{15}\text{N}$ and $\delta^{18}\text{O}$ .
SWAP1003	Western Washington University	Penn Cove Algal Accumulations	The applicant proposes to study excessive Penn Cove sea lettuce accumulations to determine whether they are caused by nitrate from sewage effluents or nitrate from other sources. The applicant will also measure concentrations of hydrogen sulfide, DMS, and dopamine to determine the amounts of toxins that the sea lettuce accumulations are producing.
SWAP1004	Federal Way, City of	Dumas Bay Permitting Agency Coordination	The applicant proposes to use grant funds to reimburse the costs of permitting agencies (including but not limited to Washington Departments of Ecology, Natural Resources, Fish and Wildlife, and the US Army Corps of Engineers) associated with the process to develop a blanket permit for emergency removal of saltwater algae in Dumas Bay.