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6/4/24



**AMENDMENT NO. 2  
TO AGREEMENT NO. OTGP-2023-CICoCD-00003  
BETWEEN  
THE STATE OF WASHINGTON DEPARTMENT OF ECOLOGY  
AND  
Clallam County**

**PURPOSE:** To amend the above-referenced agreement (AGREEMENT) between the state of Washington Department of Ecology (ECOLOGY) and Clallam County (RECIPIENT) for the Clallam County Marine Resources Committee Projects (PROJECT).

The purpose of Amendment 2 is to adjust the scope of work in Task 2: Olympia Oyster Restoration in order to expand upon the restoration activities in Sequim Bay by outplanting hatchery-produced Olympia oyster seed.

There are no changes to the schedule or budget.

IT IS MUTUALLY AGREED that the AGREEMENT is amended as follows:

**CHANGES TO SCOPE OF WORK**

Task Number: 2 Task Cost: \$94,000.00

Task Title: 2. Olympia Oyster Restoration

Task Description:

The RECIPIENT will collaborate with the Jamestown S'Klallam Tribe to expand upon Olympia oyster restoration activities in Sequim Bay by developing a shell placement plan based on population assessment data, local knowledge and recruitment data, and outplanting hatchery-produced Olympia oyster seed. The RECIPIENT will place a total of 200 cubic yards of blank shell and 100 bags (equivalent to 17 cubic yards) of seeded cultch in locations known to be successful for recruitment or ideal habitat.

The shell placement plan will be formulated based on six years of population assessments; a three-year recruitment study, that illustrates spatially how Olympia oysters have recruited outside of the three existing restoration sites, and local knowledge of optimal habitat of the site. These data sets will be used to determine where shells will be added outside the current three restoration sites, and GIS will be used to pinpoint specific spots for shell placement. Additional shell will be added inside current successful restoration sites. Placement of Pacific oyster shells will include field operations, with blank shell transferred onto a landing craft and positioned at pre-determined GPS locations. Shell bags will be placed by landing craft at high tide to be accessed at low tide for spreading shells by hand.

Olympia oyster seed will be produced at the Jamestown Point Whitney Hatchery following WDFW Guidelines for Hatchery Production of Native Oyster Seed for Restoration. Broodstock will be collected from areas adjacent to restoration tidelands at the head of Sequim Bay. The brood animals will undergo a health assessment prior to hatchery spawning in May by a qualified histopathologist. The hatchery-produced seed will also undergo a health assessment prior to placement on the beach. The bags of seeded cultch will be placed at pre-determined GPS locations by skiff during high tide where blank shell enhancement has occurred. The seeded cultch will be removed from the bags and spread by hand at low tide. Broodstock will be returned to the site of collection after spawning.

Task Goal Statement:

The goal of this project is to bolster recruitment of Olympia oysters by providing additional substrate for settlement through habitat enhancement using blank Pacific oyster shells and supplementing with hatchery-produced Olympia oyster seed.

Task Expected Outcome:

Shells on the beach will naturally condition for the settlement of oysters. In subsequent years, monitoring will be conducted to determine whether Olympia oysters are settling on the new substrate and to assess the establishment and growth of the oyster bed.

Recipient Task Coordinator: Chris Burns

**Deliverables**

<b>Number</b>	<b>Description</b>	<b>Due Date</b>
2.1	Quarterly progress reports. Upload in EAGL and notify ECOLOGY Project Manager.	
2.2	Shell placement plan. Upload in EAGL and notify ECOLOGY Project Manager.	07/07/2023
2.3	Final project report, including reporting on substrate placement and seeding activities. Upload in EAGL and notify ECOLOGY Project Manager.	12/31/2024

**AUTHORIZING SIGNATURES**

All other terms and conditions of the original Agreement including any Amendments remain in full force and effect, except as expressly provided by this Amendment.

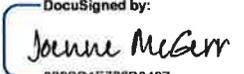
The signatories to this Amendment represent that they have the authority to execute this Amendment and bind their respective organizations to this Amendment.

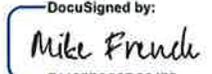
This amendment will be effective 04/01/2024.

IN WITNESS WHEREOF: the parties hereto, having read this Amendment in its entirety, including all attachments, do agree in each and every particular and have thus set their hands hereunto.

Washington State  
Department of Ecology

Clallam County

By:  6/4/2024  
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By:  6/4/2024  
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Joenne McGerr Date  
Shorelands  
Program Manager

Mike W French Date  
Commissioner

Template Approved to Form by  
Attorney General's Office

