

Project Summary Report

Olympia Oyster Restoration



Project Reporting Period (October 2025 – September 2026)

Grant number: SEANWS-2025-JeCoWS-00013

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Jefferson County
**Marine
Resources
Committee**



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**Northwest
Straits**
INITIATIVE

1. Abstract

Discovery Bay has a natural Olympia oyster population near the southwest portion of the bay (Maynard Beach area) as well as scattered occurrences throughout the bay. In partnership with the Jamestown S’Klallam Tribe, WA Department of Fish and Wildlife (WDFW), and the Puget Sound Restoration Fund (PSRF), the MRC has been working to expand the extant population by increasing the availability of substrate (i.e., clean Pacific oyster cultch) in nearby areas to facilitate natural recruitment. In 2014, the MRC began monitoring the Olympia oyster population and spreading clean cultch within a half-acre area in the center of the bay (“Powerlines Site”). In 2018, the MRC added another restoration site nearby (“Lagoon Site”), and in 2022, the MRC expanded the original Powerlines Site (now referred to as the “North Powerlines Site”) to include a parcel (now referred to as the “South Powerlines Site”) located adjacent and just south of the original site. In 2023, the MRC organized population surveys and a large shell spread event (~40 cubic yards) at the Powerlines Site (both North and South). In 2024 2 yards of unseeded cultch was spread in the lagoons in March. A visual assessment of this batch of cultch in September 2024 showed that some had collected oyster spat (baby oysters). During this reporting period, there were two population survey events, one at the Powerlines site in Discovery Bay, and one at the new in 2026 Mystery Bay site. 2026 population surveys showed strong recent recruitment at the Powerlines site, with $\frac{3}{4}$ of the population under 30mm in size, suggesting these oysters settled between 2023 and 2026. The Mystery Bay population averaged a larger shell size of 40 mm, suggesting a mature population that has seen some recent recruitment. We expect that the 2027 population survey will continue to show additional recruitment at Discovery Bay, and a stable population at Kilisut Harbor.

2. Project Goals

The goals were to expand Olympia oyster populations in East Jefferson County by taking actions to form dense, natural, sustainable native oyster beds that provide complex marine habitat and that benefit a variety of marine species that live, feed or migrate through the lower intertidal zone.

For this fiscal year the goals were to:

- Conduct restoration effectiveness monitoring by conducting a population assessment on the shell substrate placed in 2023 through 2025 south of the powerlines as well as the population on the tidelands north of the powerlines in Discovery Bay.
- Reapply for the necessary permits to spread more shell in the restoration area in Discovery Bay in the next five year period.
- Explore the potential of starting a restoration area in Kilisut Harbor (Mystery Bay) on Marrowstone Island.

3. Project Engagement

3.1. Partners/Organizations

Partners include the Jamestown S’Klallam Tribe (JST), WA Dept of Fish and Wildlife (WDFW), Taylor Shellfish (TS) and Puget Sound Restoration Fund (PSRF). Jamestown S’Klallam Tribe contributed staff time and the expertise of two of their biologists to conduct the population survey.

WDFW contributed staff expertise and guidance and help during the population surveys. Taylor Shellfish contributes discounted or free cultch, transportation logistics, and staff time. Puget Sound Restoration Fund managed a shell-stack larval monitoring program throughout Puget Sound and supplies shell stacks and data analysis for MRC sites.

3.2. Participants

		Participants			
Date	Event	Community members	MRC members	Local environmental organizations volunteers	Total
7/15/26	Discovery Bay population survey	7	3	6	16
7/17/26	Mystery Bay population survey	5	3	0	8

3.3. Named community(ies) involved

The MRC connected with several new residents on Marrowstone Island, with properties adjacent to the new Mystery Bay site. The MRC shared potential restoration plans with residents and were met with enthusiasm for the project, including requests to include their tidelands in the restoration. Several of these residents also joined the MRC for the Mystery Bay population survey.

4. Project Methods/Actions

Project Activity Summary	Date or Period	Location(s)
Submitted JARPA permit application materials to continue restoration activities in Discovery Bay	May 29	Administrative
Conducted population surveys of Olympia oysters on the two powerlines parcels	July 15	Discovery Bay, North and South Powerlines sites
Conducted a baseline survey of Olympia oysters on a potential restoration site on Marrowstone Island	July 17	Nordland

Project methods can be found in the most recent version of the Olympia Oyster Restoration Project QAPP. For reference, the first page of this document can be found in Appendix A. Blank datasheets can be found in Appendix B.

5. Results

5.1. Data Summary

The Jefferson MRC conducted oyster population surveys on both the south and north Powerlines parcels. Project lead Neil Harrington and Jamestown S’Klallam Tribe shellfish biologist, Annie Raymond laid out transects over two plots using a systematic random sampling protocol as described in the QAPP. 16 volunteers counted each Olympia oyster individual and measured their size (mm) using calipers within each sample area. On July 17th, Neil conducted another population survey on two parcels in Mystery Bay on Marrowstone Island to get a population baseline and 8 volunteers measured and enumerated each oyster. This survey was conducted on two private tideland parcels that the MRC is hoping to start a restoration project in the coming years. Overall results are summarized in Table 1. Size class data is summarized in Charts 1 through 3. Raw data can be found in Appendices C and D.

5.2. Outcomes

Data Collected	Discovery Bay South powerlines	Discovery Bay North powerlines	Mystery Bay Baseline
# of ¼m² quadrats	98	46	53
Total # of Olys	1,164	819	64
Total area sampled (m²)	24.5	11.5	13.25
Total area of plot (m²)	6,888	2,003	2,900
Average size of Olys (mm)	30	37	40
Average # of Olys/m²	47.5	71.2	4.83
Total # of Olys in plot	327,250	142,648	14,008

Table 1: Summary of data collected during Olympia oyster surveys in 2026. This shows a strong response to the shell added to the south section since 2023.

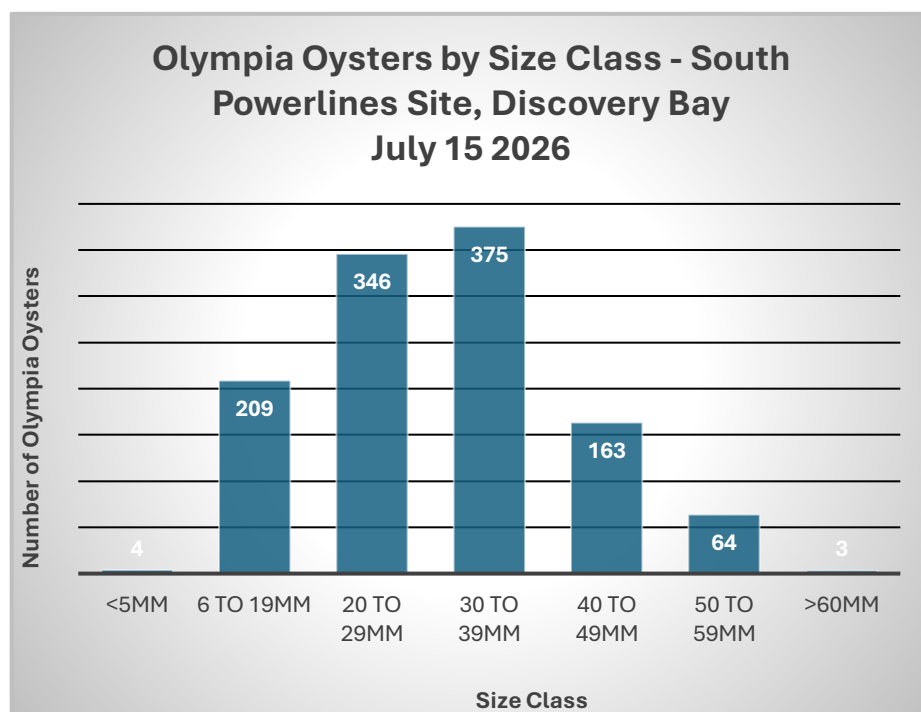


Chart 1: Olympia oysters by size class in the South Powerlines section of Discovery Bay. This size distribution shows strong recruitment of young oysters under 20mm to the population, while also showing the recent recruitment of mid-sized oysters, 20-39mm, since the addition of shell to the site. Larger oysters, above 40mm, are not seen in a normal distribution since there were relatively few on the site before the addition of shell beginning in 2023.

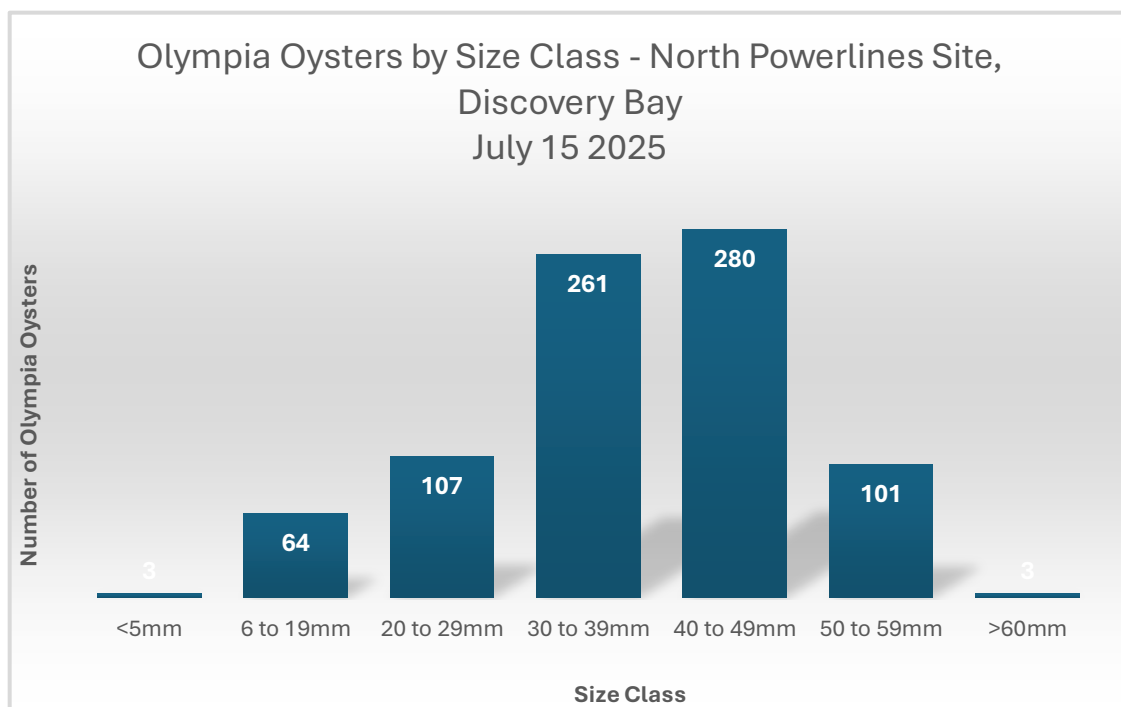


Chart 2: Olympia oysters by size class in the North Powerlines section of Discovery Bay. This size distribution shows some recruitment of young oysters under 20mm to the population while also showing the recent recruitment of mid-sized oysters, 20-39mm. Larger oysters, above 40mm, are in a normal distribution. This is likely due to this being a mature population that has been established for over ten years and has not received shell enhancement since 2021.

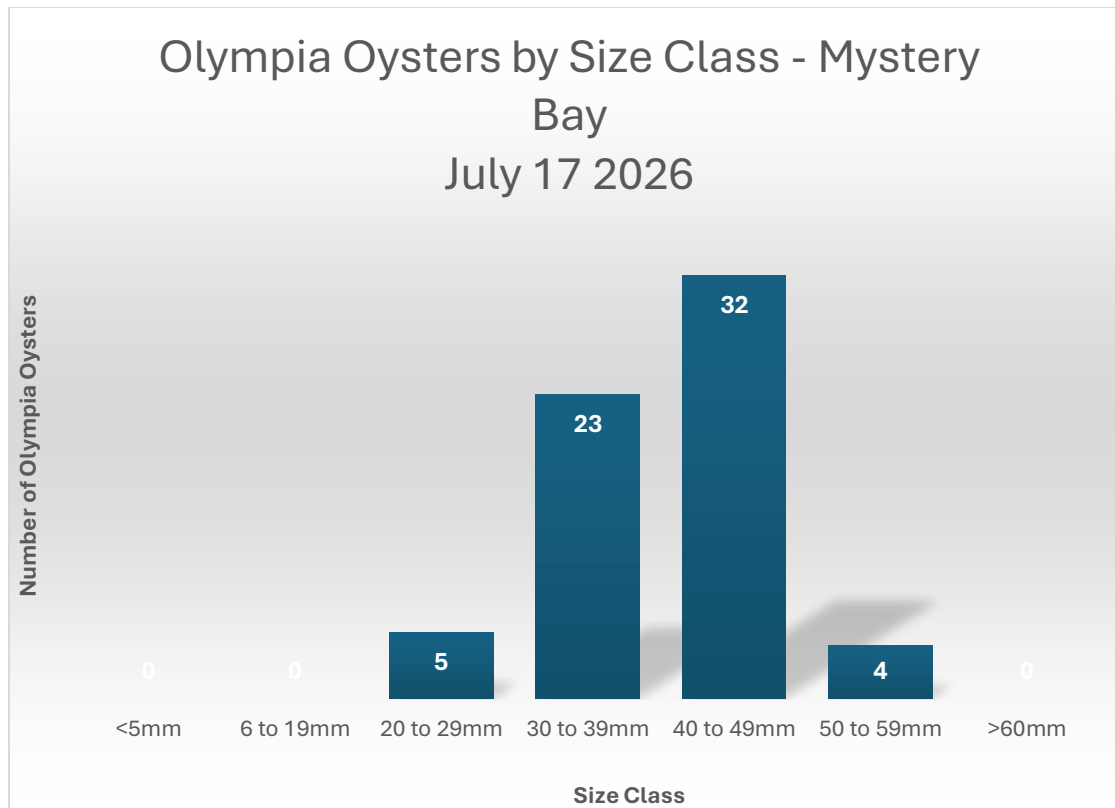


Chart 3: Olympia oysters by size class in the Mystery Bay baseline survey. This size distribution indicates that this population has had very little to no recent recruitment of young oysters. Most of the oysters were adult oysters indicating one or two recruitment events several years prior.

5.3. Outputs

- 1 population survey at the Powerlines restoration site in Discovery Bay
- Population increase of 343,846 Olympia oysters over four years at the Powerlines sites in Discovery Bay
- First baseline population survey of a potential future restoration site in Mystery Bay
- Applied for permits to continue conducting annual population surveys and spread additional shell at the Discovery Bay sites
- 21 volunteers from both the local community and 5 local organizations (Jefferson MRC, JST, WDFW, TS, and PSRF) supported population survey work, contributing over 130 volunteer hours over two sampling days

5.4. Results in context

These results show that our Discovery Bay Olympia oyster restoration project is working. We were able to complete surveys of both the existing north section and the south section where we have been spreading shell since 2023. Recruitment of young oysters was evident across both restoration areas and overall populations increased. If we look back at baseline data for the north and south plots from 2022, before any shell was added to the south section, we can see an increase of over 280,000 oysters in the south section as well as an increase in the north section (Table 2). The total population in this restoration area is about 470,000 oysters an increase of about 343,000 over four years. Size class data indicates that this population of Olympia oysters is producing large amounts of larva and they are utilizing the provided substrate validating the strategy of providing settlement substrate is working.

	2022	2026	Increase
North	79,299	142,648	63,349
South	46,753	327,250	280,497
Total	126,052	469,898	343,846

Table 2: Discovery Bay Olympia oyster population 2022 versus 2026.

In Mystery Bay the results indicate poor natural recruitment and likely the need to boost the population with broodstock hatchery production for any future restoration projects. The MRC will be working with project partners at PSRF and WDFW to determine next steps.

6. Project Highlights, Innovations & Stories

There were several highlights of the past year. The results of the monitoring in Discovery Bay, collectively were a huge highlight to see how much the population of oysters has boomed over the past several years of adding shell to the south parcel. Another highlight was having Annie Raymond, shellfish biologist from the Jamestown S’Klallam Tribe, assist Neil Harrington in completing both surveys in one day of good low tides. We laid out 144 sample sites over two different parcels and had 12 volunteers measuring oysters, and we were able to complete all planned surveys 45 minutes before the tide came in. Another highlight was making connections with landowners in Mystery Bay and their enthusiasm for future restoration efforts.

7. Lessons Learned

The huge lesson from this past year is that our approach to Olympia oyster restoration in Discovery Bay is working with large increases in the numbers of oysters in the restoration area and multiple age classes of oysters, indicating recruitment success over several years. It paid off to hire an oyster barge to deliver large numbers of bags (3700 bags over 2 years) of shell to the tidelands and then have volunteers unload those bags during low tide.

8. Next Steps

This next year, the MRC expects to secure permits for more shell substrate placement in Discovery Bay. Once those permits are secured, we can work to place more shell on the tidelands. We expect to firm up plans to start restoration in Mystery Bay as well with permitting, as needed, and potentially lining up hatchery space to produce Olympia oyster seed.

Images



Date:7/15/26

Location: Powerlines restoration site - Discovery Bay, WA

Photographer credit: Betsy Cooper

Caption: MRC volunteer uses calipers to measure a young Olympia oyster that has settled on a Pacific oyster shell.



Date: 7/15/26

Location: Powerlines restoration site - Discovery Bay, WA

Photographer credit: Hilary Hayford

Caption: The population survey group gathers to review protocols before conducting surveys.



Date: 7/15/26

Location: Powerlines restoration site - Discovery Bay, WA

Photographer credit: Hilary Hayford

Caption: Two volunteers conduct a survey. One volunteer measures Olympia oyster size, while a second volunteer records data.



Date:7/17/26

Location: Kilisut Harbor restoration site - Nordland, WA

Photographer credit: Tim McGrath

Caption: Volunteers gather along with Project Lead Neil Harrington to review equipment and survey protocols before heading out to survey the Olympia oyster population at Kilisut Harbor.

Appendix A: Olympia Oyster QAPP (June 2026)

Quality Assurance Project Plan Addendum 1: Discovery Bay Olympia Oyster Restoration Project

June 2026



Prepared for: WA Department of Ecology
Prepared by: Katie Kowal, Coordinator, Jefferson County MRC



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Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

[illegible]

Appendix C: Raw data sheets – Discovery Bay 7/15/26

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay Powerline South Survey Date: 7/15/2026
Monitor Names: Tim McGrath, Steph, Hillary

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes:
65	50%	—	43, 47, 42, 39, 45, 46, 45, 47, 35, 35, 36, 37, 46, 31, 32, 52, 43, 24, 50, 32, 30, 28, 44, 37, 40, 32, 27, 37, 44, 48, 35, 39, 33, 43, 27, 29	5 Pacific
65	cont.	—	50, 41, 47, 46, 46, 44, 31, 49, 36, 40, 56, 46, 37, 27, 29, 40, 34, 39, 46, 31, 56, 52, 27, 50, 12, 49, 33, 51, 43, 25, 39, 35, 51, 56, 50, 52	
65	cont.	—	31, 47, 36, 37, 36, 52, 40, 51, 48, 33, 35, 35, 32, 50, 44, 8, 22, 9, 32, 32, 53, 46, 40, 38, 28, 36, 28, 27, 42, 7, 54, 36, 39, 57, 37, 36	44, 32
92	0%	—	Ø	
93	0%	—	Ø	
94	1%	—	Ø	
95	0%	—	Ø	
96	2%	—	32, 29, 23, 35,	
109	1%	—	36, 34, 12, 33, 44,	1 Pacific
108	2%	—	36, 46, 18, 16, 14, 11, 8, 6, 4, 16, 21, 21, 10, 8, 10, 6, 12, 15, 20,	+ 2 Oly - no size
116	10%	—	44, 38, 33, 28, 26, 28, 45, 26, 22, 33, 22, 45, 31, 46, 40,	
136	20%	—	28, 25, 30, 29, 30, 26, 46, 26, 21, 29, 33, 27, 18, 29,	
135	6%	—	Ø	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay: Buer Lines North

Survey Date: 2026-07-15

Monitor Names: Alex Hamrick, Kari Inch (recorder)

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes
5	20		47, 28, 15, 40, 42, 46, 39, 38, 16, 21, 42, 37, 51, 49, 36, 35, 48, 35, 55, 33, 44, 48, 51, 44, 40.	
6	10		53, 36.	mainly mud
7	10		5, 14, 18, 19, 16, 32, 43, 6, 47, 11, 40, 48, 17, 36, 16, 30, 39.	
21	0			
27	0			
26	10		46, 24.	
25	40		29, 43, 46, 46, 33, 7, 9, 16, 33, 4, 45, 39, 46, 43, 37, 31, 32, 47, 4, 38, 30, 30, 26, 15, 13, 30, 14, 36, 32, 30, 29, 24, 29, 29, 33, 17, 22, 50.	
38	0			
39	0			
43	0			
42	0			
41	10		46.	
40	0			

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay: Power Line South

Survey Date: 2020-07-15

Monitor Names: Kari Inch, Alex Harnick (recorder)

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes:
64	10		48, 56, 26, 12, 6, 13, 16, 37, 48, 44	
69	50		47, 46, 32, 41, 51, 37, 29, 38, 53, 34, 31, 46, 42, 36, 35, 45, 45, 42, 28, 46, 49, 31, 32, 49, 51, 48, 12, 50, 32, 18, 53, 45, 39, 38, 56, 53, 45, 47, 50, 36, 38	
84	0		49,	
90	30		47, 30, 16, 24, 6, 6, 9, 9, 11, 9, 9, 35, 31, 6, 32, 24, 25, 6, 16, 31, 29, 26, 19, 23, 35, 31, 35, 35, 8, 34, 45, 29, 18, 6, 9, 16, 20, 22, 18, 24, 19, 49, 24, 14, 18, 17, 23, 48, 32, 29, 34, 36, 30, 21, 35, 21, 30, 25, 39,	
87	80			
106	30		28, 20, 13, 35, 16, 32, 28, 26, 31, 22, 21, 35	
114	0		no olys	50% glauc cover
148	0		no olys	
139	0		no olys	
140	10		31, 11, 11, 17,	
141	0		no olys	
131	0		no olys	
132	0		no olys	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay Poverines - South

Survey Date: 7/15/26

Monitor Names: Kari Inch, Alex Harnick

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

[illegible]

Jefferson County, WA
Marine Resources Committee

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay Power Lines North

Survey Date: 7/15/2026

Monitor Names: Wendel Raymond

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Neil, we can talk about Nassarius later. -Wendel

Flag #	^{any shell} % Coverage	Shell #	^{in the quadrat (total)} Length (mm) of each Olympia oyster per shell (separate by commas)	Notes:
1	1		NA	No olys
2	15		35, 40, 45, 31, 32	N10 Nassarius
3	8		46, 49, 43, 41, 46, 46, 43, 40, 28, 50, 40, 25, 33, 35, 38, 31, 45, 35, 41, 28, 38	1 Nass
4	50		44, 46, 37, 47, 39, 33, 45, 43, 34, 32, 25, 36, 48, 33, 34, 54, 25, 37, 31, 39, 33, 40, 31, 42, 41, 51, 33, 47, 43, 27, 30, 29, 39, 42, 19, 43, 41, 33, 40, 38, 32, 31, 52	
4	/		45, 44, 37, 49, 29, 45, 37, 31, 42, 46, 39, 43, 50, 40, 50, 40, 50, 47, 44, 40, 40, 30, 42, 48, 21, 14, 24, 28, 48, 33, 56, 38, 52, 36, 37, 29, 39, 49, 40, 43, 45, 50, 21, 20, 47	
4	/		42, 36, 25, 27, 42, 23, 25, 35, 50, 40, 17, 40, 50, 34, 39, 30, 37, 24, 45, 53, 39, 44, 37, 39, 39,	
12	50		23, 34, 42, 38, 37, 42, 18, 46, 30, 60, 25, 46, 14, 37, 42, 21, 30, 37, 29, 22, 32, 15, 15, 42, 16, 30, 39, 42, 50, 46, 34, 32, 37, 34, 32, 50, 37, 42, 26, 37, 42, 45, 49, 43, 34, 28, 43	
12	/		53, 36, 50, 47, 42, 58, 44, 56, 50, 32, 37, 37, 32, 20, 40, 40, 50, 37, 52, 34, 29, 40, 43,	
20	5			No olys
18	1		33, 30, 46, 31, 25, 20, 35,	
17	10		42, 34, 52, 38, 35, 43, 26, 63, 28, 30, 32, 32, 49, 35, 22, 18, 17, 13, 23, 18, 17, 11, 12	ALMOST ALL ON ONE PIECE OF CULTCH
15	5		58, 51, 51, 35, 32, 32, 46, 51, 37, 26, 50, 40, 55, 45, 30,	
22	5		47, 35, 35, 39, 40, 36,	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: NORTH DISCOVERY BAY

Survey Date: 7/15/26

Monitor Names: WENDALL RAYMOND

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

[illegible]

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: SOUTH DISCOVERY BAY

Survey Date: 7/15/26

Monitor Names: WENDELL RAYMOND

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

[illegible]

Jefferson County, WA
Marine Resources Committee

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: SOUTH DISCOVERY BAY

Survey Date: 7/15/26

Monitor Names: WERDELL RAYMOND

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes:
67	1		26, 39, 31	
74	1			No OLYS
78	10		33, 26, 20, 33, 14, 26, 18, 15, 22, 31, 34, 15, 15, 33, 27, 30, 20, 38, 31, 37, 21, 33, 16,	
82	5		36, 26, 15, 22, 45, 26, 21, 26, 23, 24, 4, 4, 30, 25, 23	
83	5			No OLYS
89	60		38, 28, 35, 31, 28, 15, 16, 33, 25, 10, 5, 11, 13, 17, 11, 27, 24, 20, 17, 22, 24, 39, 31, 36, 56, 40, 37, 20, 22, 41, 15, 18, 31, 15, 26, 25, 22, 20, 27, 31, 27, 10, 27, 31, 30, 30, 18, 36, 33, 39, 27, 17, 13, 21, 22, 8, 37, 33, 21, 22, 27, 35, 34	
88	5		27, 22, 19, 21, 17, 12, 19, 29,	
107	10		32, 30, 29, 26, 26, 28, 34, 8, 27, 7, 36, 22, 18, 39, 37	
115	0			No OLYS
143	65		29, 28, 28, 25, 24, 8, 30, 30, 46, 33, 30, 29, 26, 30, 35, 28, 19, 35, 25, 34, 29, 30, 16, 34, 32, 40, 19, 19, 23, 31, 21, 19, 26, 17, 26, 22, 33, 31, 28, 20, 8, 26, 30, 41, 37, 35, 34, 28, 28, 29, 22, 39, 27, 12, 26, 40, 15, 33	
134	0			No OLYS
142	0			No OLYS
58	50		26, 27, 25, 20, 30, 15, 24, 30, 14, 23, 17, 31, 20, 20, 15, 32, 32, 19, 32, 39, 29, 24, 21, 33,	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay Power Lines

Survey Date: 7/15/2026

Monitor Names: Chase, Sophie, Shawn

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes
8 ^N	0		N/A	
10 ^N	50%		27mm, 32, 46, 44, 49, 36, 59, 51, 34, 29, 38, 45, 51, 53, 41, 47, 42, 39, 43, 47, 46, 49, 50, 47, 39, 49, 50, 45, 40, 49, 43	
11 ^N		10 ^{cont}	44, 17, 45, 17, 24, 46, 44, 42, 29, 50, 44, 36, 41, 54, 40, 43, 35, 36, 43, 48, 39, 41, 35, 33, 40, 40, 47, 42, 28, 40, 39	
		10 ^{cont}	43, 45, 37, 41, 46, 54, 48, 42, 23, 38, 26, 33, 44, 44, 20,	
13 ^N	0		N/A	
14 ^N	0		N/A	
19 ^N	65%		34, 47, 35, 6, 6, 8, 29, 23, 6, 41, 37, 24, 35, 43, 35, 34, 45, 45, 46, 31, 33, 43, 37, 32, 35, 36, 38, 34, 50, 44	
		19 ^{cont}	24, 20, 42, 37, 42, 39, 45, 11, 22, 37, 31, 35, 43, 26, 36, 28, 28, 44, 37, 34, 36, 40, 37, 49, 51, 36, 33	
		19 ^{cont}	32, 38, 50, 43, 35, 53, 29, 26, 45, 41, 14, 39, 29, 32, 47, 41, 26, 37, 17, 41	
24 ^N	40%		33, 31, 53, 41, 43, 45, 25, 16, 36, 23, 23, 23, 39, 18, 35, 24, 37, 36, 40, 40, 32, 43, 47, 46, 47, 39, 26, 37, 39, 42, 8, 24, 43, 20, 12, 18, 33, 46, 54, 48, 31, 29, 27	
68 ^S	<5%		32,	
71 ^S	<5%		0	
72 ^S	10%		46, 44, 52, 31, 46	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay Power lines

Survey Date: July 15 2026

Monitor Names: Shawn, Sophie, Chase

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes:
75s	< 5%		0	
79s	0%		0	
77s	< 5%		0	
81s	25%		27, 21, 30, 27, 31, 9, 12, 31, 35, 13, 11, 30, 11, 14, 7, 31, 33, 21, 23, 15	
			45, 22, 21, 30, 38, 15, 22, 26, 23, 27, 38, 29, 22	
86s	45%		14, 15, 17, 22, 32, 37, 30, 26, 16, 24, 22, 31, 23, 35, 21, 27, 20, 29, 31, 19	
			42, 17, 24, 28, 40, 35, 42, 33, 24, 22, 24, 24, 25, 29	
113s	0%		NA	
112s	0%		NA	
111s	0%		NA	
149s	0%		NA	
150s	0%		NA	
119s	< 5%		NA	
120s	< 5%		NA	
121s	0%		NA	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay Tower lines

Survey Date: 7/13/26

Monitor Names: Annie Chase, Sophie

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes
122 _s	5%		37, 30, 44, 17, 14, 19, 46, 24,	
123 _s	30%		37, 31, 34, 43, 25, 12, 40, 45, 24, 25, 18, 43, 34, 37, 44, 38, 38, 41, 6, 27, 14, 30, 8, 15, 25, 51, 41, 35, 10, 29,	
60 _s	25%		42, 17, 27, 51, 50, 45, 45	
59 _s	5%		25, 29, 19, 10, 19, 20, 19, 24, 22, 22, 24, 21, 34, 29, 39, 14 37, 20	
53 _s	0%		NA	
47 _s	0%		NA	
46 _s	10%		51, 37, 48, 46, 27, 25, 29, 17, 36, 35, 40	
45 _s	<5%		29, 30, 21	
44 _s	0%		NA	
49 _s	5%		16.	
50 _s	0%		NA	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay South

Survey Date: 7/15/26

Monitor Names: Lucas Hart, Keith Knafl, Gordon King

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes:
S 61	0	0	0	
S 62	1%		37, 30, 32	
S 63	24%		33, 45, 23, 45, 43, 41, 44, 38, 42, 44, 47, 39, 26, 25, 30, 30, 30	
S 66	50%		51, 46, 35, 57, 32, 37, 48, 44, 24, 18, 46, 52, 36, 35, 37, 48, 49, 52, 30, 48, 36, 36, 44, 39, 32, 39, 21, 42, 42, 48, 33, 62, 55, 22, 50, 33, 27, 33, 23	
66 cont'd			30, 43, 50, 38, 54, 32, 45, 34, 27, 46, 37, 51, 44, 45, 45, 24, 46, 42, 35	
66 cont'd			22, 35, 36, 26, 45, 38, 49, 50, 31, 26, 47, 35, 52, 11, 44, 52, 45, 45, 56	
			28, 37, 50, 37	
S 70	25%		48, 44, 27, 58, 48, 41, 33, 42, 49, 50, 56, 39, 57, 30, 37, 43, 38, 41, 45, 36	
			54, 26, 37, 52, 24, 21, 12	
S 73	70%		38, 30, 30, 38, 12, 31, 5, 33, 34, 19, 50, 40, 47, 32, 36, 16, 9, 23, 37, 35, 34, 26, 23, 33, 28, 26, 31, 29, 15, 12, 10, 29, 24, 26, 9, 29, 25, 25, 32, 33, 38	
73 cont'd			35, 41, 37, 24, 14, 64, 24, 32, 18, 13, 17, 28, 30, 52, 39, 31, 24, 24	
S 76	10%		38, 45, 30, 51, 40, 33, 63, 39, 45, 26, 25, 40, 15, 35, 23, 38, 46, 39, 59, 51, 40	
S 80	75%		36, 20, 16, 11, 34, 21, 30, 28, 36, 18, 16, 32, 15, 17, 32, 21, 32, 30, 18, 17, 23, 28, 17, 10, 9, 14, 27, 8, 11, 27, 31, 27, 26, 27, 25, 34, 32, 21, 28, 19, 22	
80 cont'd			17, 26, 37, 32, 29, 17, 23, 19, 16, 35, 21, 25, 16, 16, 17, 15, 37, 19, 17, 18, 24, 29, 28, 24, 15, 18, 30, 33, 25, 18, 14, 20, 25, 22, 30, 28, 20	
80 cont'd			28, 29, 23, 17, 35, 34, 26, 34, 20, 21, 21, 31, 21, 29, 23, 22, 26, 20, 26, 20, 32, 25, 27, 18, 29, 25, 14, 20, 19, 38, 31, 28, 26, 26, 26, 18, 23, 33	
			22, 23, 25, 32, 36, 19, 14, 18, 32, 31, 22	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay South

Survey Date: 7/15/26

Monitor Names: Lucas Hart, Keith Noel, Gordon King

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

South

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes
S 85	0		—	
S 91	10%		11, 32, 27, 31, 29, 33, 22, 37, 28, 42, 52, 32, 36, 24, 19, 32,	
S 98	1%		—	
S 104	0%		—	
S 97	0%		—	
S 105	0%		—	
S 99	0%		—	
S 100	0%		—	
S 101	0%		—	
S 102	1%		—	
S 103	5%		40, 43, 21, 46, 26, 18,	
S 110	30%		27, 20, 28, 37, 32, 42, 35, 20, 15, 39, 23, 14, 14, 16, 15, 20, 7, 20, 29, 11 31, 37, 29, 30, 31, 38, 26, 34, 31, 25, 29, 30, 17, 37, 36, 25, 45, 33, 32	
110 cont'd			35, 50, 43, 29, 44, 42, 26, 32, 29, 21, 45, 38, 33, 54, 22, 17, 23, 35, 33 48, 44, 34, 22, 33, 34, 41, 48, 14	

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay South

Survey Date: 7/15/26

Monitor Names: Lucas Hart, Kietu Knel, Gordon King

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

South

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes:
S 118	12%	1	52, 36, 30, 29, 28, 35	
S 124	0%		—	
S 117	3%		—	
S 147	1%		42	
S 146	1%		—	
S 145	18%		36, 37, 44, 25, 16, 31, 23, 28, 35, 41, 24, 23, 21,	
S 144	25%		22, 23, 12, 11, 33, 27, 26,	
S 138	1%		—	
S 137	27%		29, 26, 36, 38, 22, 38, 21, 37, 39, 44, 28, 53, 51, 35, 32, 33, 35, 28, 28, 32	
S 48	0%		—	
S 54	1%		—	
S 55	1%		—	

Jefferson County, WA
Marine Resources Committee

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Discovery Bay, North ^{Powerline} Survey Date: 7/15/26
Monitor Names: Tom McGrath, Steph, Hillary Hayford
(Recorder)

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)	Notes
9	Low 1-2%	—	47j	1 dead oyster
11	45%	—	34, 37, 29, 34, 51, 37, 30, 49, 45, 46, 34, 22, 38, 29, 51, 31, 34, 50, 51, 52, 42, 12, 56, 41, 28, 18, 35, 30,	(28)
11	cont.	—	33, 44, 56, 21, 39, 47, 36, 23, 44, 33, 35, 41, 34, 43, 24, 36, 24, 36, 41, 28, 40, 17, 40, 39, 45, 28, 42, 23, 44, 30, 29, 19, 50, 32,	(31)
11	cont.	—	48, 18, 44, 46, 46, 30, 27, 40, 44, 49, 32, 53, 55, 53, 48, 39, 35, 37, 48, 32, 24, 41, 51, 40, 24, 25, 36, 35, 38, 23, 36, 41, 50, 46, 46, 47, 27, 12,	2 Pacific (38)
11	cont.	—	38, 23, 20, 35, 36, 15, 49, 37, 30, 18, 25, 51, 30, 46, 36, 12, 47, 28, 55, 41, 53, 43, 58, 32, 51, 42, 50, 43, 59, 28, 50, 28, 32, 35, 52, 34, 10, 48, 50,	5 LIRA buccinum (39)
11	cont.	—	39, 44, 41, 53, 30, 16, 35, 33, 25, 45, 48, 44, 54, 32, 47, 45,	NASSARIUS everywhere (40)
16	15%	—	45, 40, 38, 33, 45, 49, 46, 36, 51, 21, 47, 43, 30, 60, 34, 25, 21, 36, 20, 49, 37, 40, 20, 59, 49, 47, 47, 41, 44, 36, 18, 41, 34, 42, 20, 37, 49, 21, 10, 45,	1 Pacific
16	cont.	—	15, 39, 46,	
29	2%	—	49, 52	
28	1%	—	58, 43,	
34	2%	—	51, 44,	
35	5%	—	34, 19, 43, 22, 24,	
36	<1%	—		

Total Sample 153

Appendix D: Raw data sheets – Mystery Bay 7/17/26

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Mystery Bay

Survey Date: 7/17/26

Monitor Names: Susan McEachern, JO, Gordon

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)
182	50	0	
181	30	0	
180	10	0	
188	3	0	
189	55	1	54, 40
190	5	1	
214	25	0	43,
194	35	0	58,
195	45	0	34,
198	50	1	45, 32
201	55	3	37,

Jefferson County, WA
Marine Resources Committee

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Mystery Bay

Survey Date: 7-17-2

Monitor Names: Susan McBrath, Gordon, Jo

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Pacifics

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)
156	45	5	33, 41, 42,
155	25	1	
159	35	1	
160	28	1	46
161	50	1	42, 51, 47, 38, 44, 41
163	40	0	
164	40	2	
169	50	85	39
168	10	0	
175	25	0	
174	2	0	
173	5	0	
177	50	2	37, 34, 46, 42

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: M Bay

Survey Date: 07/17/20

Monitor Names: Rebecca Berger, Tim McGrath

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)
186	5%	0	Ø
187	<5%	Ø	Ø
211	15%	Ø	Ø
213	75%	8	43, 49, 39, 32, ...
191	15%	Ø	Ø
192	30%	Ø	Ø
196	40%	7	26, 44, 45, 31, 45,
199	>20%	0	Ø
200	>20%	3	Ø

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Mistery Bay

Survey Date: 07/17/20

Monitor Names: Rebecca Burger Tan McGrath

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)
151	40%	9	36mm, 51mm
152	15%	3	Ø
153	10%	2	38mm
154	5%	0	Ø
162	40%	0	Ø
167	30%	0	Ø
166	30%	0	Ø
165	50%	6	40mm, 36mm, 41mm, 41mm, 32mm
170	30%	2	Ø
172	15%	0	Ø
170	25%	3	Ø
179	35%	0	Ø
184	50%	1	Ø

Jefferson MRC Olympia Oyster Population Survey Data Sheet

Site Name: Mystery Bay Survey Date: 7/17
Monitor Names: Bekah, Brenda, Julieta

Itemize shells with live oysters attached to them; A lone Olympia oyster is itemized as a separate shell

Flag #	% Coverage	Shell #	Length (mm) of each Olympia oyster per shell (separate by commas)
157	25	4	27
158	20	4	47, 42, 39, 48, 37
171	25	2	43, 36, 33, 44, 33, ...
178	75	5	32, 33, 28, 27, 28
183	15	1	none found
185	25	1	42, 45, 49
212	30	2	45
193	20	0	None
197	55	5	43, 42, 40, 39