County: Jefferson

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PROJECT TITLE: Jefferson County MRC Operations and Projects

DELIVERABLES FOR **TASK NO: 6 – Olympia Oysters**

T6.5 Olympia Oyster Summary Report

PROGRESS REPORT: [] FINAL REPORT [X]

PERIOD COVERED: July 1, 2018 - September 30, 2018

DATE SUBMITTED: Oct. 15, 2018

See also T6.5A for copies of Olympia Oyster permits for upcoming Discovery Bay deployment



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2018 Olympia Oyster Survey Data & Summary Report (Discovery and Quilcene Bays)

Olympia Oyster Task 6.5

This Report includes summaries of Olympia oyster monitoring and enhancement activities at Discovery and Quilcene Bays, including monitoring summaries, data collected at both sites, photos and media articles. Copies of all the agency permits for the Discovery Bay 'Lagoon Site" where we will be placing additional shell in 2019 is under separate cover as Task 6.5A.

DISCOVERY BAY

Background

Discovery Bay has a small natural Olympia oyster population near the southeast portion of the bay (Maynard Beach area), along with scattered occurrences of Olympia oysters in other areas of the Bay. The MRC's goal is to collaborate with WDFW and Jamestown S'Klallam Tribe (Co-Managers) to enhance and expand the main population by increasing appropriate, available substrate (clean cultch spread on tidelands) in nearby areas to facilitate natural recruitment. We started this particular project in 2014 with distribution of clean shell within a half-acre area out in the bay ("Powerline Site"), surrounded by eelgrass. In July 2016 volunteers dispersed an additional 80 bags of clean cultch over the Powerline Site, just a month before our annual 2016 monitoring. No additional cultch was added in 2017 or 2018.

In 2017 we decided that adding additional clean cultch to the area immediately adjacent to the established population would allow additional recruitment and expansion of that segment of the population. In 2018 we completed the process of applying for and receiving all the necessary agency permits to add additional cultch adjacent to the main population, in the area we are calling the "Lagoon Site". Copies of all the permits are included in Deliverable 6.5A, submitted separately.

Annual monitoring took place on **July 13, 2018**, with 7 volunteers and one MRC staff. Monitoring data has been compiled and is summarized in this report.

<u>Shells Stacks:</u> On May 29, 2018 we placed 3 shell stacks for the Puget Sound Restoration Fund (PSRF) at the Discovery Bay Powerline site and collected those stacks on September 6, 2018. PSRF uses this technique to compare recruitment rates from various sites around Puget Sound. Shell stack data is being compiled in October to be sent to PSRF.

Monitoring Results for Discovery Bay

Table 1 provides a summary of the last 4 years of monitoring. Spat numbers and size measurements give us an indication of success, measured by natural recruitment, multiple age classes and increased growth. Monitoring protocols were adjusted and refined in the first 2 years. In 2017, Jefferson MRC began collecting data in a way that more closely aligns with regional Olympia oyster recovery efforts. We also shifted the orientation of the transects and added a transect immediately south of the powerlines to capture more of the Olympia oysters on shell that we assumed was moved there by the currents, as very little substrate was present on or immediately adjacent to that area before the MRC began its work. In 2015 and 2016, spat height was only measured as greater than or less than 15 mm (a rough estimate of reproductive maturity). In 2017, we began recording actual height to be more consistent with other regional monitoring efforts.

Table 1: Summary of Discovery Bay Data from 2015-2018

Data Collected	2015	2016	2017	2018
# of ¼m² quadrats monitored	43	46	48	77
Average % shell cover per quadrat	5%	7%	12.4%	30.6%
Total # spat counted	215	83	595	732
Average size of spat (mm)			32.37	33.92

The addition of new shell in July 2016 also made it difficult to directly compare data from 2015-16 with 2017-2018 data. We can, however, compare 2017 and 2018 data since we used the same protocols for both. Table 2 summarizes the data from 2017 and 2018, while Table 3 and Table 4 includes more specific data from transects in each year. In 2018, we also upgraded our database organization, using pivot tables in Excel, which will allow us to create a wider range of reports as we continue annual monitoring. In 2018, we also had more time to monitor (lower tides) and a larger volunteer team than in 2017, resulting in measurements of 732 spat from 77 quadrats (19.25 m²) compared to 2017's 595 spat from 48 quadrats (12 m²).

The range of spat sizes observed in 2018 (3 to 66 mm) was similar to the range of 2017 spat sizes (4 to 75 mm). This wide range of multi-age classes supports our assumption that natural recruitment is occurring.

Table 2: Comparison of 2017 and 2018 Discovery Bay Monitoring Data

Year	Total # Quad	Q-area monitored (m²)	# Spat	Avg Length (mm)	Ave % cover- all Q
2018	77	19.25	732	33.9	30.6
2017	48	12	595	32.4	12.4

Table 3: 2017 Discovery Bay Monitoring Data

Transect #	Total # Quad	Q-Area monitored (m²)	# Spat	Avg Length (mm)	Ave % shell cover-all Q
1	10	2.5	76	40	7.5
2	9	2.25	102	39.5	8.1
3	8	2	78	33.9	6.25
4	6	1.5	34	34.8	8.3
5	5	1.25	11	17.4	17.4
6	5	1.25	14	19.2	4.2
T-A	5	1.25	280	41.8	35
2017 Totals	48	12	595	32.37	12.4

Table 4: 2018 Discovery Bay Monitoring Data

Transect #	Total # Quad	Q-Area monitored (m²)	# Spat	Avg Length (mm)	Ave % shell cover-all Q
1	6	1.5	117	31.53	11.7
2	9	2.25	31	31.19	n/a
3	7	1.75	145	32.98	23.0
4	7	1.75	109	35.26	14.9
5	9	2.25	120	39.61	16.0
6	7	1.75	54	36.09	8.3
7	4	1	31	35.19	35.0
8	5	1.25	9	37.11	19.8
9	5	1.25	19	20.16	40.4
10	4	1	15	29.93	19.2
11	4	1	36	25.03	17.5
12	4	1	1	50.00	0.3
T-A	6	1.5	45	36.91	8.5
2018 Totals	77	19.25	732	33.92	30.6

<u>Documentation:</u> Original data forms are stored at the MRC office, scanned copies are saved in electronic files, and data is entered in an Excel database. Shell stack data reporting forms are stored at the MRC office, scanned and also sent to PSRF. The MRC does not maintain a database for the shell stack data or do any comparisons from year to year. Bridget Gregg compiled the 2018 Discovery Bay data collected by the MRC monitoring team.

Discovery Bay Recommendations for 2019

Continue monitoring using the same protocols, with perhaps some tweaking of the data sheets to allow for easier data entry. Due to the uneven distribution of the shell within the original project area, it would be useful to measure the actual area of cultch observed each year, including south of the powerlines and see how it changes over time. It could be a challenge to determine this "boundary", since the cultch was often hidden under a thin layer of green macro-algae (temporarily removed when collecting data in a quadrat) in some areas in 2017 and 2018. Also, it would be difficult to see how much cultch has moved into adjacent eelgrass beds without disturbing the eelgrass.

QUILCENE BAY

Quilcene Bay is the Jefferson MRC's second Olympia Oyster project site. Our goal is to test feasibility of re-establishing a healthy population of Olympia oysters in Quilcene Bay. Scattered Olympias are present along much of the bay's beaches in the low-tide areas (observed during a May reconnaissance survey with Puget Sound Restoration Fund staff), but there are no dense beds of Olympia present. The MRC test plots are on WDFW tidelands adjacent to commercial clam beds on the southwest side of Quilcene Bay. Access is from the WDFW Quilcene Bay Tidelands access at the Linger Longer Rd parking lot. The project is a collaboration with WDFW, Tribal Co-Managers and the MRC. The MRC serves as team facilitator, coordinates volunteers, arranges for donated and purchased seeded cultch (Hood Canal genotype), and manages the database. In addition to our work, Puget Sound Restoration Fund (PSRF) also has an Olympia oyster site on the east side of Quilcene Bay. Test beds allow us to figure out if environmental conditions (warm temperatures, adjacent uses and predators such as oyster drills) are a problem before investing in larger scale enhancement work.

We began in 2016 by testing survival of wild-seeded Olympia oyster cultch from 11 bags spread into 5 small plots. Initial results from the 2017 monitoring of the 2016 seeded cultch were encouraging, so we set out another 78 bags of hatchery-seeded, overwintered cultch in May 2017 in the same plots.

In 2018, we monitored those same 5 plots on May 18, 2018 with 11 volunteers and 4 staff from the MRC, WDFW and Jamestown S'Klallam Tribe. See Table 1 below for those monitoring results. Table 2 shows the baseline measurements of the May 2017 seeded cultch sampled from the bags, before it was spread into the plots.

Overall, we were disappointed in the survival rate for the number of spat placed in the plots (average number of spat/shell dropped from **5.64 spat/shell** when first set out in 2017 to **1.68 spat/shell** the following year. Average spat also decreased in average size from **19.81 to 17.88 mm**). A wide range of age classes was present in both the 2017 bagged seeded cultch (5 to 35 mm) and the 2018 test plot spat (6 mm to 33 mm). We decided that it would be useful to test a new area at a lower tidal elevation and further away from the shellfish growing areas to see if survival rates are higher. This was done in August 2018. See Table 3 below. Both sets of test plots will be monitored in 2019.

Table 1: 2018 Spat Quantity & Size in the 2017 Quilcene Bay Test Plots

Summary of 2018 Spat # and Size from 2017 Quilcene Test Plots										
	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	TOTALS				
Avg Spat Size/Plot	19.51	17.05	15.33	18.57	18.95	17.88				
Avg # spat/shell	1.56	1.36	1.63	2.00	1.87	1.68				
# of spat measured	161	98	83	126	174	642				
Min. # quadrats*	10	6	8	11	8	43				
Max # quadrats*	13	6	8	11	13	51				

^{*} The numbering of the quadrats on the field sheets was unclear in some cases, so we aren't quite sure how many quadrats we sampled. Spat measurements and total number of spat counted are fine.

Table 2: Baseline data of seeded cultch from 2017 Quilcene Bay bags

SUMMARY of Spat # and Size from	2017 Cult	ch Bag Sa	mpling B	efore Spr	eading		
	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	3 sm bags*	All Plots
Avg Spat Size/Plot	20.24	19.74	17.86	19.52	20.13	21.37	19.81
Avg # spat/shell	5.22	4.9	3.98	6.04	4.58	9.1	5.64
# of spat measured	100	100	100	100	100	20	520
100 Olys measured for each plot.							

^{* 3} small bags of shell counted separately, then dispersed into plots

<u>Shells Stacks:</u> On May 18, 2018 we placed 3 shell stacks for the Puget Sound Restoration Fund (PSRF) at the Quilcene Bay Powerline site and collected those stacks on October 5, 2018. PSRF uses this technique to compare recruitment rates from various sites around Puget Sound. Shell stack data is being compiled in October to be sent to PSRF.

2018 Deployment of Seeded Cultch into New Quilcene Bay Test Plots

On August 11, 2018, 9 volunteers and one MRC staff collected baseline data from 75 bags of wild-seeded cultch and spread them in 3 test plots in a new area southeast of the original five test plots. Taylor Shellfish provided the cultch with an approved WDFW Transfer Permit (50 bags were purchased; 25 bags were donated) and arranged for delivery to the site by boat. WDFW and MRC staff marked the site on August 9th with a buoy marker placed at low tide and GPS coordinates, so Taylor Shellfish could deliver them to the right location at high tide on August 10th.

Protocols for sampling are included in the attachments. Basically, we counted the number of spat per shell from a random sampling of 60 shells (10 shells/cultch bag from 6 bags). We also measured the height of 100 Olys on random shell from those same bags. Table 3 summarizes the baseline data.

Table 3: Summary of Spat # and Size from 2018 Cultch in New Test Plots

Summary of Spat #	and Size from 20	18 Cultch in New	Test Plots	
	Plot 2018-1	Plot 2018-2	Plot 2018-3	All Plots
Avg Spat size/Plot	23.33	23.23	23.86	23.47
Avg # spat/shell	2.43	2.92	2.75	2.70
# of spat measured	100	100	100	300

Quilcene Bay Next Steps

- Revise data sheets to make them easier for volunteers to use; easier for data entry; and check if they can also be more consistent with other regional efforts.
- Invest in improvements to database so it can be more useful, such as creating pivot tables like we're doing for Discovery Bay.

- Plan for better training of volunteers who are entering the data in the field.
- Plan for the new challenge of having 2 different sets of test plots to be monitored in 2019.
- The MRC has no plans for adding new seeded cultch to any of the test plots in 2019.

The MRC also assisted four Puget Sound Restoration Fund and WDFW staff with a reconnaissance survey of lower Quilcene Bay shorelines on May 16, 2018. MRC recruited 7 volunteers who worked in four teams to walk various sections of shoreline, taking photos and notes along the way. Volunteers donated over 38 hours for this effort. Sign-in sheets and few photos are included below.

Attached:

- Photos. All photos by Cheryl Lowe unless otherwise noted.
- Media & Outreach: Article in Port Townsend Leader about Quilcene Bay Olympia oysters
- Data Sheets

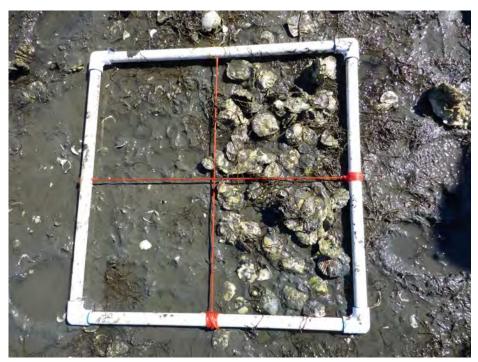
DISCOVERY BAY PHOTOS



Monitoring the Powerline Site: L to R, Greg Patton, Frank Handler, Neil Harrington, Shelley Patton, Kathy Woods-Smith, Jed Marshall, Glenn Hartmann.



Healthy Olympia oysters at the Powerline Site.



Sample quadrat with 50% shell coverage (protocols call for rearranging shell within quadrat in order to estimate coverage)



Broader view of Powerline Site, with pink flags marking shell stacks.

QUILCENE BAY PHOTOS



Oly Plot Monitoring_5.18.18: L-R, Gregg & Shelley Patton, Becky Brown-Nienow, Nancy Stevens, Jackie Gardner



Monitoring Team for new test plots (baseline data) Aug2018_P1040447: L-R, Sarah Fisken, Anne Seeley, Sarah Whitten, Kathy Woods-smith, Shelley & Gregg Patton, Frank Handler, Kathy & Glenn Hartmann.



Cultch Bays at new test plots_Aug2018_P1040454



PSRF Olympia oyster Quilcene Bay Reconnaissance May 16, 2018 with Chris Eardley & BetsyPeabody.

Can Olympia oysters make a comeback in Quilcene Bay?

KIRK BOXLEITNER

KBOXLEITNER@PTLEADER.COM May 22, 2018 ≥ 0



Volunteers take stock of the Olympia oyster population in Quilcene Bay during low tide May 16. Courtesy photo



http://www.ptleader.com/testing/can-olympia-oysters-make-a-comeback-in-quilcene-bay/article_e83f49b4-f13c-5d7f-9a62-7bfb983a2318.html

Can Olympia oysters make a comeback in Quilcene Bay?

KIRK BOXLEITNER
KBOXLEITNER@PTLEADER.COM May 22, 2018

Volunteers take stock of the Olympia oyster population in Quilcene Bay during low tide May 16. Courtesy photo

Many hands sought to make relatively light work out of an ambitious undertaking May 16 in Quilcene, as roughly a dozen volunteers assembled at the end of Linger Longer Road to take stock of the area's remaining Olympia oyster population.

Before over-harvesting and pulp mill pollution forced Pacific Northwest oyster farmers to turn to the Pacific oysters of Japan as a substitute, Olympia oysters were the dominant native species, and various environmental and oyster farming-affiliated groups are keen to see the molluscs make a comeback.

Brian Allen, a marine ecologist with the Puget Sound Restoration Fund (PSRF), instructed the volunteers who arrived at the Quilcene Boat Ramp to record not only where they found any Olympia oysters as the tide went out, but also where the oysters tend to aggregate.

"I take digital pictures with GPS notes," Allen said. "The important thing is to identify the locations well enough that other people can return to those places and confirm your findings, and eventually cobble this all together into one big map image. Where is the oysters' largest presence? Where do you stop encountering them? This is what we need to know."

Allen and Brady Blake, a shellfish biologist with the state of Washington, advised volunteers to check underneath rocks or pieces of wood, since oysters prefer "thermal refuges" that avoid going to extremes of hot or cool.

"Bear in mind, you're going to find the oysters not in the places they've sought out, but in the places they've managed to survive," Allen said. "They need structures to which they can attach themselves."

Chris Eardley, the Puget Sound shellfish policy coordinator for the state Department of Fish and Wildlife, agreed with Allen and Blake that the sound has become "more favorable" to Olympia oysters in recent years than it was during the early part of the 20th century, as most of the "major stressors" which impeded the species' survival are "no longer in play," in Blake's words.

"But in order for us to develop a plan to restore the species, we need to know what the state of the species looks like right now," Eardley said, citing the potential impacts of factors such as shoreline ownership and the presence of predator species.

PSRF executive director Betsy Peabody recalled that Quilcene Bay alone once hosted roughly 100 acres of "solid" Olympia oyster beds.

"They were the dominant life form," Peabody said. "So, the question becomes, to what extent are they still here, and where?"

According to Peabody, the PSRF, which was founded in 1997, was looking for restoration programs to which it could "add value" when the state Department of Fish and Wildlife released its initial Olympia oyster stock rebuilding plan in 1998.

"We love collaborating with tribes, industry, government, researchers and community groups," Peabody said, outlining PSRF's mission to rebuild Olympia oyster populations and restore native oyster habitat at 19 priority locations throughout Puget Sound. "Oyster beds are themselves a biogenic habitat in that they're a living organism which provides a natural habitat for other species."

Among PSRF's tribal partners are the Jamestown S'Klallam Tribe, represented during the May 16 outing by environmental biologist Neil Harrington, who would return to the site two days later for the tribe's yearly monitoring of its own test plots on the Quilcene tidelands.

"These test plots are areas where we spread oyster shell with young Olympia oysters in 2016, and again in 2017, to gauge if this area would be suitable for a larger project," Harrington said. "If this area does have a good survival rate, we'll be looking to expand and create a larger oyster bed. If the survival rate is low, we'll have to look for a new area to create a bed in this general area of the Quilcene Bay."

Harrington told The Leader after the May 16 outing that the volunteers found "significant wild populations" in Quilcene Bay.

"So they are persisting, albeit not so much as beds of oysters, but in more scattered populations" he said.

Cheryl Lowe, water programs coordinator with the Jefferson County Marine Resources

Committee and the Washington State University Extension Office in Port Hadlock, reiterated

Peabody and Allen's points about Olympia oyster beds growing together to create overlapping,
layered structures that provide shelter, habitat and food for other marine species, much like
eelgrass or kelp beds.

"Restoring Olympia oyster beds makes Puget Sound more resilient as conditions continue to change," Lowe said.



Lowe acknowledged that native oysters tend to grow slower and smaller than the non-native Pacific oysters, but she touted the Olympia oysters' superior resiliency in the face of ocean acidification.

"Perhaps it's because they've evolved and adapted in the Pacific Northwest, from Baja California to Southeast Alaska, where marine conditions have changed over time," Lowe said. "I've read several articles about Olympia oysters being 'wiped out,' which is not quite true. Large beds of Olympia oysters are very uncommon in much of their historic range, but small numbers have managed to hold on in scattered areas."

Lowe confirmed Harrington's account that the May 16 survey in Quilcene located Olympia oysters in small clusters or singles attached to rocks or Pacific oyster shells along the many small seeps and narrow strips of suitable habitat on those shores.

"They're around, but not providing the ecological services they could offer if they were growing in denser, larger beds," Lowe said. "It's like scattered trees planted in parks and gardens, versus a forest."

Lowe welcomes the involvement of private tidelands landowners in restoration efforts, so long as the property owners can ensure they have suitable habitat and get seeded cultch genotypes from their part of Puget Sound.

Cultch is the mass of stones, broken shells and grit from which an oyster bed is formed.

"For example, southern Hood Canal stock is very different than Sequim Bay or Discovery Bay stock, since each sub-population has adapted to local conditions," Lowe said.

She added that PSRF is growing several different genotypes in its hatchery.

"Private shellfish growers like Taylor Shellfish have also been donating seeded Olympia oyster cultch for the test plots that we looked at (May 18)," she said.

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	#4										
	#5										
	#6										
	#7							7			
	#8										

Date:		3/18	AY OLYMF	PIA OYST	ER MONIT	ORING) New	
Start time:	9:40		1		End			1 992
Monitors:	1.70	/.			time:	Docific o	votor unla	de etherwise noted:
Oca /Frank	Ħ					s with spa		ess otherwise noted:
TRANSECT #					Lat/Long			
# Quadrats with no shell	TH				Lat/Long			
QUADRAT				% Cove	rage:		Forg	ot to do this will a
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	
measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notestype of shell, e
#1	30/	15	40	35				
#2	36	× .	38		17 17			
#3	21		35		1			×
#4	22		35					100
#5	21		38					
#5 #6	28		42					
						-		
#7	25		42	-				
#8				-			T 10.70 JOH	THE RESERVE OF THE PARTY OF THE
QUADRAT				% Cove	rage: Şec	abor		
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes tune of shall o
measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notestype of shell, e
#1	43	15						
#2	26	30						
#3		25						
#4								
#5								
#6	+							
		-						
#7 #2								
#8								THE RESERVE OF THE PARTY OF THE
QUADRAT		+		9/ Cove	rage: Şu	\.		HANDER BUTTON
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	
measured			L.				Oly mm	notestype of shell, e
#1	Oly mm	Oly mm	Oly mm	40	Oly mm	Oly mm	Oly mm	
		38	15					
#2	35	34		15				
#3		13 4		15				
#4								
#5							-4-	
#6								
#7								
#8								

		10 01000	WEDV DA	V OL WARD	IA OVOTI	D MONIT	DDING		1		
	Date:	THE RESIDENCE OF THE PERSON NAMED IN	3/18	YOLYMP	IA OYSTI	ER MONIT	ORING		l		
	Start time:		au #			End			1	9	
	Monitors:	10.20	au of		_	time:	Posific o	rotor unlo	l oo otboru	ioo notodi	
	WOTHLOTS:	She	len,	ed T	ank	Only shell				ise noted:	
	TRANSECT #	3			- The state of the	Lat/Long				87717	
	# Quadrats with no shell:									87797	
	QUADRAT				% Cove	age.#2	7 -				ĩ
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	shell 8	Shell 9 ype of she	Shell
	measured	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	Oly mm	notest	ype of she	ll, etc '
-	#1	43	30	43/							
en	#2	30	16	20.00							
en Q Jew O	#3		31			,					
Jew G	#4	45	39	44	45	30	30	20	26	25	40
18.1	#5	1-	-	28	1	45	24	35	15	25	1
	#6			49		30	15	15	38	25	
	#7			28	11	20			35	25	1
	#8		-	0			25	35	22	50	-
1	#8								A	[50	1
	QUADRAT				% Cover	age:				7	
	# of Oly's	Shell 1	Shell#2/2	Shell #3 (3	Shell# 14	Shell \$ 15	Shell \$ 16	Shell 7	notest	ype of she	II etc
٠ .	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notest	ype or sire	ii, etc
	#1	34	25	36	35	33	35				
	#2	40	15	35		36					
20	#3		15	38		23					
N.V	#4	12	15	13		28					
	#5	100	, _	10		~0					
	#6										
											_
	#7										
	#8										
W	QUADRAT	,			% Cover	age: 33	3%		Stella	Shell 9	01 11 10
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7		ype of she	
н н	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm			
	#1	28	40	36	20	13	40	38	30		38
	#2	40		44	15	38		36		37	
	#3	23		32	20			34			
		2 8€			15						
		31			5						
		30			10						141
	#7	J. U			45						
	#8										
	#0				10						
a.		Shell 11	Shell 12	Shell 13	Shell 14	Shell 13				I	
		35	37	35	44					£.	
					OK .		N.				

	20	18 DISCO	OVERY BA	Y OLYMP	IA OYST	ER MONIT	ORING		1		
	Date:		3/18							gZ	
	Start time:		A ^t			End time:			1	9 2	
	Monitors:	Sig	lley.	Franc	Jed	*shells are				wise note	ed:
	TRANSECT #	3)				Lat/Long		to to to	1200		
	# Quadrats					Lat/Long					
	with no shell:					Lat/Long					
	QUADRAT				% Cove	rage: 25	%		0 11.	challa	shell 10
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7			
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notes	type of s	hell, etc
	#1	36/9	25	31	40	15	38	64	52	40	45
	#2	50	40							15	
	#3	40	15			100				10	
	#4	46								40	
	#5										
	#6										
	#7				+						-
											1
	#8								100 E		
	QUADRAT				% Cover	rage:	0%				
	# of Oly's	Shell 1	Shell 2 12	Shell #13	Shell 419	Shell # 15	Shell 6/6	Shell #17			
	measured	Oly mm	Oly mm		Oly mm		Oly mm	Oly mm	notes	type of s	shell, etc
	#1	43	45	41	20	45	8	.50			
90	#2	11				10	10	14			
110	#3	18				-	10	8			
	#4	10			 			0			_
	#5										
	#6										
	#7										
	#8	340 -								*	
J	QUADRAT				% Cover	rage:	0%				
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	Skell 8	Ishell 9	Skellio
	1 -	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	Oly mm	notes	ype of s	Shell 'O
	#1	45	60	4.5	48	40	33		50	45	47
	#2	50	47			10	38	-1 /	47	50	
	#3	30	31				20				
		0								160	
	#4		.36						-	45	
	#5		35		N N					30	1
	#6		48								
	#7		26								
	#8										
	A Constitution of the Cons	E ISSN COM			C. Scharles	LANGE LINE TIME	2 m 111 1844-1				A 15 Sec. 15
		40	45	40	170 co	verage	12	%			
		10			100						
			27	20	44	50					
			46		-	-			1		
		1	-						1	1	
			49								×
			1 1 2	1							
		1	1 1								

	20	18 DI	SCC	VERY	BA	YOLY	MPIA OYST	ER MONIT	ORING							
	Date:		7/13	3/18				 4						100		
	Start time:	11	0:4	28				End time:								
	Monitors:				12.	Nei	1	*shells are				erwise	note	d:		
١			. ر -	J ' "	25	1		Only shell	s with spa	t are item	ized					_
	TRANSECT #	1	1					Lat/Long	47,9	9503		122.	877	18-	7	
	# Quadrats							Lat/Long				122.	4	0 -		
	with no shell:							Lat/Long	77.99	1525	,	2-6.	0//	02		
Ì	QUADRAT						% Cove	rage: 25								
C	# of Oly's	Shell	1	Shell	2	Shell :		Shell 5	Shell 6	Shell 7	_					_
	measured	Oly n		Oly n		Oly m			Oly mm	Oly mm	notes	stype	of s	hell,	etc	
	#1	43		43	1111	41	42	Oly IIIII	Oly IIIII	Oly IIIII						
ı	#2	7.0	_			- 1										_
	#3															
	#4				-				+			4				
	#5		_								-			_		-
I	#6															_
I	#7															
	#8								2							
I	QUADRAT						% Cove	rage: 7						_		
ł	# of Oly's	Shell	4	Shell	2	 Shell :		Shell 5	Shell 6	Shell 7	-		_	_	-	
	# of Oly's measured	Oly n		Oly n		Oly m			Oly mm	Oly mm	notes	stype	of s	heli,	etc	
-	#1	10	ш	15	1111	Civ III	III OIV IIIII	Oly IIIII	Oly IIIII	Oly IIIII						
ı		46			-	-					-					_
	#2	46	_	18 35	-		-				-					_
1	#3	76	_								 		_			_
ı	#4			42							-					-
	#5			42												
	#6															
	#7												×			
	#8															
ļ						100	_						14			
	QUADRAT		· ,					rage: 니								
I	# of Oly's	Shell	1/4	Shell	2/15	Shell :	3 Shell 4	Shell 5	Shell 6	Shell 7	note	s-type	ofe	hell	etc	(
1	measured	Oly n	nm	Oly n	ım	Oly m	m Oly mm		Oly mm	Oly mm					-	-
	#1	48	49	51	40	351	11 42	40	40	55	15	48	43	150		5
ĺ	#2			40	52			20	40	55	14			55	142	4
	#3				41	32		12	45		45			35		14
r	#4	- 1			39	20					47			34		3
	#5					16								35		
	#6					15								5	= 1	
	#7			1		17							1	9		
	#8													7	-	
ŀ	#O	-				10			E 7 E					12		
						1 1 2						1				

			Y OLYM	PIA OYST	ER MONIT	ORING		092
Date:	7/1	3/18			End			
Start time:					= time:			
Monitors:	KATh	1, NEIL	, GREGO	S.	*shells are			ess otherwise noted:
-	-			7	Only shel	s with spa	at are item	nized
TRANSECT	# (4))			Lat/Long			
# Quadrats					Lat/Long			
with no shel	l:	T			LabLong		1	
HQUADRAT				% Cove	rage: \	%		
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes type of shall sta
measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notestype of shell, etc
#1	45 /45	50	48	48				
#2	38							
#3	45							
#4	53							
#5	19							
#6	14				1		-	
#7	22							
#8	37							
	11		V.					
QUADRAT				% Cove		70		
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notestype of shell, etc
measured	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	Oly mm	ineter type of enem, etc
#1	45	45	47	+2	18		-	
#2		18			38			
#3					48			
#4								A THE STATE OF THE
#5								
#6						G .		
#7								
#8								
QUADRAT				% Cover	rage: 5	70	7	
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	
measured	Oly mm	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	notestype of shell, etc
#1	35	20	30	40	Oly IIIII	Civ iiiii	Oly IIIII	
#2	50	48	47	10				
#3	1,0	10						
#4								
#5								
#6								
#7								
#8								

			Y OLYMF	PIA OYST	ER MONIT	ORING		03
Date:	7/1	3/18			End			
Start time:					time.			
Monitors:	KATh	1, NEIL	, CREE	59		Pacific o	yster unle	ess otherwise noted:
					Only shell	s with spa	t are item	ized
TRANSECT #	(4)				Lat/Long			
# Quadrats					Lat/Long			
with no shell:				т	LavLong			
QUADRAT				% Cove	rage: 52	0		
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	
measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notestype of shell, etc
#1	11/20							
#2	13/13							
#3	43/14							
#4	50/53							
#5	32/22							
#6	44/18							
#7	44/18							
#8	20/43/34							
							- 73	
/ QUADRAT				% Cove	age: 50	7-		
	,				• 5 •	70		
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes, type of shall etc.
measured	Oly mm	Oly mm	Olv mm	Shell 4 Oly mm			Shell 7 Oly mm	notestype of shell, etc
measured #1		Oly mm 34		Shell 4	Shell 5	Shell 6		notestype of shell, etc
measured #1 #2	Oly mm	Oly mm	Olv mm	Shell 4 Oly mm	Shell 5	Shell 6		notestype of shell, etc
measured #1 #2 #3	Oly mm	Oly mm 34	Olv mm	Shell 4 Oly mm	Shell 5	Shell 6		notestype of shell, etc
measured #1 #2 #3 #4	Oly mm	Oly mm 34	Olv mm	Shell 4 Oly mm	Shell 5	Shell 6		notestype of shell, etc
measured #1 #2 #3 #4	Oly mm	Oly mm 34	Olv mm	Shell 4 Oly mm	Shell 5	Shell 6		notestype of shell, etc
#1 #2 #3 #4 #5	Oly mm	Oly mm 34	Olv mm	Shell 4 Oly mm	Shell 5	Shell 6		notestype of shell, etc
measured #1 #2 #3 #4	Oly mm	Oly mm 34	Olv mm	Shell 4 Oly mm	Shell 5	Shell 6		notestype of shell, etc
measured #1 #2 #3 #4 #5 #6	Oly mm	Oly mm 34	Olv mm	Shell 4 Oly mm	Shell 5	Shell 6		notestype of shell, etc
#1 #2 #3 #4 #5 #6 #7	Oly mm	Oly mm 34	Olv mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm		notestype of shell, etc
#1 #2 #3 #4 #5 #6 #7 #8	Oly mm	Oly mm 34 20	Oly mm	Shell 4 Oly mm >5 Cover	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	notestype of shell, etc
#1 #2 #3 #4 #5 #6 #7 #8 AQUADRAT # of Oly's	Oly mm	Oly mm 34 20 Shell 2	Oly mm	Shell 4 Oly mm 25 % Cover Shell 4	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	
measured #1 #2 #3 #4 #5 #6 #7 #8 AQUADRAT # of Oly's measured	Shell 1	Oly mm 34 20	Oly mm	Shell 4 Oly mm >5 Cover	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	notestype of shell, etc
#1 #2 #3 #4 #5 #6 #7 #8 AQUADRAT # of Oly's measured #1	Shell 1 Oly mm	Oly mm 34 20 Shell 2	Oly mm	Shell 4 Oly mm 25 % Cover Shell 4	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	
#1 #2 #3 #4 #5 #6 #7 #8 **QUADRAT # of Oly's measured #1 #2	Shell 1	Oly mm 34 20 Shell 2	Oly mm	Shell 4 Oly mm 25 % Cover Shell 4	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	
#1 #2 #3 #4 #5 #6 #7 #8 **QUADRAT # of Oly's measured #1 #2 #3	Shell 1 Oly mm	Oly mm 34 20 Shell 2	Oly mm	Shell 4 Oly mm 25 % Cover Shell 4	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	
#1 #2 #3 #4 #5 #6 #7 #8 AQUADRAT # of Oly's measured #1 #2 #3 #4	Shell 1 Oly mm	Oly mm 34 20 Shell 2	Oly mm	Shell 4 Oly mm 25 % Cover Shell 4	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	
#1 #2 #3 #4 #5 #6 #7 #8 AQUADRAT # of Oly's measured #1 #2 #3 #4 #5	Shell 1 Oly mm	Oly mm 34 20 Shell 2	Oly mm	Shell 4 Oly mm 25 % Cover Shell 4	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	
#1 #2 #3 #4 #5 #6 #7 #8 **QUADRAT # of Oly's measured #1 #2 #3 #4 #5 #6	Shell 1 Oly mm	Oly mm 34 20 Shell 2	Oly mm	Shell 4 Oly mm 25 % Cover Shell 4	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	
#1 #2 #3 #4 #5 #6 #7 #8 **QUADRAT # of Oly's measured #1 #2 #3 #4 #5	Shell 1 Oly mm	Oly mm 34 20 Shell 2	Oly mm	Shell 4 Oly mm 25 % Cover Shell 4	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm	

TRAN-SECT

	Date:		3/18	I OL TIVIP	IA 0131	ER MONIT	Orinid		1			
	Start time:	1	3/10	14 - 18 C		End			1			
			-		-	time:			1			
	Monitors:	Shy	ellen	tranc	Jed	*shells are Only shell				erwise no	oted:	
	TRANSECT #	5			,	Lat/Long	47, 9	9507	12	22.87	176	
	# Quadrats with no shell:					Lat/Long	47.	99525	-12	2.87	783	
-	QUADRAT				% Cove	rage:	20				Y HE	
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	 			
	measured	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	Oly mm	notes	type of	f shell,	etc
	#1	44	Oly IIIIII	Oly IIIII			11	Oly IIIII	 			
1	#2	35	25	45	10 Suver	10%						
	#3	45	45	55		1070	-		F			
	#4	73	45	40					<u> </u>			
	#5		15	25								
	#6			30							_	_
	#7			40					-			
	#8		-85	ŤO.								
	#0					· · · · · · · · · · · · · · · · · · ·						-174
	QUADRAT				% Cove	rage: 5	0%	1				
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	52.8	Sh 7	5/10	Sh
	measured	Oly mm	Oly mm	Olv mm		Oly mm	Oly mm	Oly IIIIII	notes		Silen,	
	#1	45	40	40	50	52	60	38	47	45	41	60
	#2	46				42		25		15	44	
	#3							46			37	
	#4										39	
	#5											
	#6											10
16	#7											
No.	#8	N										
,										28.00		
- 1	QUADRAT		12			rage:				224	1 4	101
-	# of Oly's	Shell # 12	Shell 2 13	Shell 8/4	Shell # /5	Shell 5 /6	Shell 6 /7	Shell#18	Sh. 19	1 X 20	shall	ON
	measured	Oly mm	Oly mm	Oly mm		IOIV mm	IOIV mm	Oly mm				elc
6	#1	38	45/40	34	35	45	45	.35	41	45	38	16
UC	#2	40	45/40	41	60	.52		40			14	150
	#3	15	40		30	× .						
- [#4	33	40		50	F /						
	#5	28	20									
	#6	41	35									
	#7		35									
111	#8		50									
			40						1			

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2018 DISCOVERY BAY OLYMPIA OYSTER MONITORING 7/13/18 Date: End Start time: time: Monitors: *shells are Pacific oyster unless otherwise noted: Far Only shells with spat are itemized **TRANSECT #** Lat/Long # Quadrats Lat/Long with no shell: 20% **QUADRAT** % Coverage: # of Oly's Shell 4 Shell 5 Shell 6 Shell 1 Shell 2 Shell 3 Shell 7 notes--type of shell, etc measured Oly mm 45 #1 40 45 45 50 45 25 #2 35 36 40 50 #3 20 48 #4 10 23 #5 5 #6 30 #7 #8 % Coverage: 20 % **QUADRAT** # of Oly's Shell 5 Shell 1 Shell 3 Shell 4 Shell 6 Shell 7 Shell 2 notes--type of shell, etc measured Oly mm 45 45 #1 40 18 +1 60 50 40 47 33 #2 40 .50 40 42 42 50 40 #3 43 58 #4 #5 33 #6 #7 #8 0% **QUADRAT** % Coverage: # of Olv's Shell 1 Shell 4 Shell 5 Shell 6 Shell 2 Shell 3 Shell 7 notes--type of shell, etc Oly mm measured Oly mm Oly mm Oly mm Oly mm Oly mm Oly mm #1 45 15 35 #2 20 #3 corerage 5% 4.5 #5 20 #6 35 #7 coverage 20% 50 #8 New coverage 5% 40/50 40/45 25 30

			Y OLYMP	IA OYST	ER MONIT	ORING		- ,	
Date:	1	3/18	-		End		-		
Start time:	10:4	0			time:				
Monitors:	Gless	nta	1	-					rwise noted:
	9 100	n r Ov	rem		Only shell	s with spa	t are item	ized	
TRANSECT #	30	6			Lat/Long	47,8	79512	1.5/2	2,87755
# Quadrats with no shell					Lat/Long	47.90	7527	122	. 87775
QUADRAT			tt .	% Cove	rage: 8	20			
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7		
measured	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	Oly mm	notes	type of shell, etc
#1	43	24	46	47	55	59	Oly IIIII		
#2			48		30	1			
#3									
#4	-	1							
# 4 #5									
#3 #6	-			-					
		_							
#7 "0									
#8									
QUADRAT				% Cove	rage: 2	7 %			
# of Oly's	Shell 1	Shell 2	Shell 3		Shell 5	Shell 6	Shell 7	8	1
measured	Oly mm	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	notes	-type of shell, etc
#1	10	57	3-1	49	50	48	38	42	
#2	18	60	45			10	35		
#3	35	18	12				20		
#4	77	10	10			-	54		
# 5			/ -				1812		
							45 12		
#6					-			-	
#7							49/20		
#8		V					1415		
QUADRAT				% Cove	rage: 15	%			
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	-8	
measured	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	Oly mm	notes	-type of shell, etc
#1	53	48	49	44	18	45	39	40	
#2					19		48	50	
#3					20		30	42	
#4				lu lu	18		38		
#5					41				
#5 #6					1				
#0 #7									12
#8									
							1 -	\	1

			Section 1						
		18 DISCO	VERY BA	YOLYMP	IA OYSTI	ER MONIT	ORING		
	Date:		3/18						(192)
	Start time:				14	End	11:00	m	10
(≆)	Monitors:					time:			an athematica metalli
1	WOTHLOIS.	Glen	n 40	chent		Only shells			ess otherwise noted;
		11)		1		Offiny Street	willi spa	i are item	IZGU
1	TRANSECT #	(6)	P92			Lat/Long			7
	# Quadrats	1/59						1	
	with no shell:	1 (oth	shell)			Lat/Long			
new	QUADRAT				% Cove	age: 2 %	Po		
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	
Francer	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notestype of shell, etc
1400	#1	45							
0	#2	50	7						
	#3	-					Company of the Compan	The state of the s	
new	#4	28	25						690 Shell
11000	#5					76			UB O Dhell
	#6				-		a total and a		
5	#7 A	10	1	part /				7	
0 4	#/ Wave	2/2.4	11:0	2 pay			-/-	- f.	
	48 /- \						- 1		
^		100	y		-				
new	QUADRAT	1			% Cover	age: 65			
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	
9	measured	Oly mm	Oly mm	Oly mm_	Oly mm	Olv mm	Oly mm	Oly mm	notestype of shell, etc
	<i>#</i> 1	15		/	\	/			
en Q	#2	12	N	12	116	7/			get & stell cove
	#3	1 .	15	/	124	11.			7
	#4		X						
ma	#5	39	1	No. of Street, or other Persons	1	/ ameno-menores		and the second	25 % cover
iona	#6	30			1			-	as to cover
w 1.0	#7	34		\rightarrow					
		->7	200	1,	4 92				U_
10.3	#8	1	1 /						
10	OHADDAT	/	-	/=	0, 0	2/1	0)		1991
new	QUADRAT	01 . 17 .	0/ " 5	01/11/11		age: 24	20		40.3
					A	Charles and the control of the contr	Shell 6	Shell 7	notestype of shell, etc
		A	Oly mm	Oly mm	Oly mm	Olymm	Oly mm	Oly mm	
	#1	40	10/	20	112	1	- Pierre		
	#2	/ 1	1.	15	The stands	1		-/-	
	#3		/	11 1	100	4	1		1
13.	#4		1.	34-1	1		IX		- / a / 2x
1	#5		F.	13	1	First L.	1/		
	#6	-		-	7 -			TENS. Well	
	#7	20			15. N. 1921				8% com
- 5-	#8					10 To 04	The state of the s		
	,, ,			1 1					123

Hanseet 9 data copied to

		10					Omitic		1	
				Y OLYMP	IA OYST	ER MONIT	ORING		J	
	Date:		3/18	-		End			1	
	Start time:	10:50	2			time:				
	Monitors:	KAThy	, NEIL,	GREGG		*shells are Only shell		-		erwise noted:
	TRANSECT #	7			.2					2.87753
	# Quadrats with no shell:					Lat/Long	47, 9	9522	1	22.87760
3				15		rage: 25			Shar 8	
	# of Oly's	Shell 1	Shell 2	Sheli 3	Shell 4	Shell 5	Shell 6	Shell 7	notes	type of shell, etc
	measured	Oly mm	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm		1,000,000
	#1	43	40	43	53	52/45	23	34	46	
	#2					48/44				
	#3					35/47				
	#4					17				
	#5					15				
	#6					42				
	#7					15				
	#8					5				
	#0					3			100	the second second
4	QUADRAT				% Cove	rage: 45	70		SHEI	-h
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7		
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notes	stype of shell, etc
	#1	40	44	43	35	40	30			
	#2									
	#3									
	#4									
	#5									
				-		<u> </u>			-	
	#0									ic ic
	#7									
	#8									
A	QUADRAT				9/ 0000	rage: 25	oj			
AN- ELT		Chall 4	Ch all C	Challo		-	~	Ch ell 7	-	
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes	stype of shell, etc
= 11	measured	Oly mm	Oly mm	Oly man	Olv mm	Oly mm	Oly mm	Oly mm		
	#1	16	10	1		Maria de de Caración de la compansión de	NAME AND DESCRIPTIONS OF THE PARTY OF THE PA			
	#2	18	13	-	L COLO	Cened	40	1		
	#3	13	14		man					
	#4	7/	14			Tra	nsle	+11		
	#5	8		6		3				
	#6	15		,						
	#7	16								3
	#8									
	"0									
			100		1	No.		The second second		

Î	20	18 DISCO	VERY BA	Y OLYMPI	A OYSTE	R MONITO	ORING		Î		
	Date:		3/18								
	Start time:	1110	em			End time:		F:			
	Monitors:	Shy	ellen.	Fran	Jed	*shells are Only shells				vise note	ed:
	TRANSECT #	8			-	Lat/Long	47.9	9515	122	- 877	483
	# Quadrats with no shell:					Lat/Long	47. 9	9527	12	7,87	760
	QUADRAT				% Cover	age:	2%		1	0 0	d 11 1
	# of Oly's measured	Shell 1 Oly mm	Shell 2 Oly mm	Shell 3 Oly mm	0	Shell 5 Oly mm	Shell 6 Oly mm	Shell 7 Oly mm	notesi	ype of	shell, etc
None	#1	40/40	41		0010	79444	E (10)				
New	#2	43_	-60			rage	50%				
Ven	#4 #5				Cove	rage	25%				
New	#6		General and a second		cove	rase	10%	122			
	#7	25/23									
	#8	39/32									
	QUADRAT					age . 5					
	# of Oly's	Shell 1	Shell 2	Shell 3		Shell 5	Shell 6	Shell 7	notes	type of	shell, etc
New	measured #1	Oly mm	Oly mm	Olv mm		Oly mm	Oly mm	Oly mm	N Albert	5 ⁻²¹ - 2 ⁻¹ / ₂	
Ivav	#2				CAUE	rage.	290			and the same times and the same times to same to	n = 2 × 2 × 2 × 2 × 2 × 2 × 2 × 2 × 2 × 2
	#3	FAAAI	10 m	10							
	#4	ALIE-HUB CO.		,)							
	#5										
	#6										
	#7	10									
	#8		20								
								11-			
	QUADRAT				% Cove	rage:					
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes	type of	shell, etc
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm		.,	
	#1										
	#2								-		
	#3										
	#4										
	#5						-				
	#6										
	#7										
	#8		5								
									J		

2018 DISCOVERY BAY OLYMPIA OYSTER MONITORING Date: 7/13/18 End 11:05 Start time: time: Chenl & Glenn **Monitors:** 'shells are Pacific oyster unless otherwise noted: Only shells with spat are itemized Lat/Long 47.99517 122.879393 TRANSECT # # Quadrats Lat/Long 47, 99523 122, 87750 with no shell: % Coverage: 65 **QUADRAT** # of Olv's Shell 1 Shell 2 Shell 3 Shell 4 Shell 5 Shell 6 Shell 7 notes--type of shell, etc Oly mm measured Oly mm Oly mm Oly mm Oly mm Oly mm Oly mm #1 15 not many dy on #2 shell #3 #4 12 11 16 90 % 8hel) com-12 #5 1.5 24 not many dy #6 #7 #8 **QUADRAT** % Coverage: 25% # of Oly's Shell 4 Shell 5 Shell 6 Shell 1 Shell 2 Shell 3 Shell 7 notes--type of shell, etc measured Oly mm 25 90 com #1 39 #2 30 34 #3 #4 24 % cover in this 40 10 20 12 Quadrat #6 15 #7 11 #8 34 13 8). **QUADRAT** % Coverage: # of Oly's Shell 5 Shell 6 Shell 1 Shell 2 Shell 4 Shell 3 Shell 7 notes--type of shell, etc measured Oly mm #1 20 #2 #3 #4 #5 #6 #7 #8

(Messed)

new

new

new

				YOLYMP	IA OYSTI	ER MONIT	ORING		
	Date:	7/1	3/18			End			
	Start time:		10	- 2	1	time:			
	Monitors:	Sue	len	ranci	Jed				ss otherwise noted:
	TRANSECT #	10				Lat/Long	47.99	15167	122.87738
	# Quadrats with no shell:	1				Lat/Long	47, 90	1533	122, 87752
	QUADRAT				% Cover		0%		
	# of Oly's	Shell 1	Shell 2	Shell 3		Shell 5	Shell 6	Shell 7	notestype of shell, etc
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notes-type of shell, etc
	#1	30	66	42	37				
	#2	15						Tables -	
New	#3			(c) (dates	Cove	rase	25%	1	
Q	#4	15	15	30					
	#5			45					
	#6			35					
	#7			35					
	#8								
							2 22	In His	
	QUADRAT				% Cover	age: (20		
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notestype of shell, etc
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notestype of sitell, etc
	#1								
	#2								
	#3								
	#4								
	#5	2							
	#6							"	
	#7								
	#8								
	QUADRAT				% Cover		90		
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notestype of shell, etc
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	include type of circuit, old
	#1	35							
	#2	12							
r	#3	11							
	#4	26							
	#5								
	#6							A	A
	#7								
	#8								

			The same of the sa	YOLYMP	IA OYSTI	ER MONIT	ORING			
	Date:	7/1	3/18			End			1	
	Start time:					time:	``	*		72
	Monitors:	KAThy	, NEIL, (BN 699				-		rwise noted:
	TRANSECT #	11				Lat/Long		· · · · · · · · · · · · · · · · · · ·		22.87732
	# Quadrats with no shell:					Lat/Long	47.	19533	1.	22.87745
2	QUADRAT				% Cove	rage: 15	%		SHELL	
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes	type of shell, etc
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Hotes	type or siten, etc
	#1	35	48	33	42	50	46	17		
	#2		45	50						
	#3		13	14						
	#4									
	#5									
	#6									
	#7									
10	#8									
	#0				-					
3	QUADRAT				% Cove	age: 5°	20			
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notoo	-type of shell, etc
3	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notes-	-type of shell, etc
	#1	13								
	#2	25								
	#3									
	#4									
	#5									
	#6									
			-							
1	#7								-	
1	#8									
+ 1	QUADRAT				% Cover	age: 25	90			
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7		town of all all a
	measured	Oly mm	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	notes-	-type of shell, etc
	#1	38	41	15	40					
	#2		52	14						
	#3		53							
- 1	#4		18							
- 1	# 5		12			-				
	#6 #7		14							
-	#7		12							
	#8		16							

20			Y OLYMP	IA OYSTI	R MONIT	DRING		Pg Z
Date:		3/18			End			
Start time:	10:5	9			time:			
Monitors:	Kalley	AL. T	0		*shells are			ss otherwise noted:
	Lucia	I veil	Grego		Only shell	with spa	t are item	ized
TRANSECT #	(11))			Lat/Long			
# Quadrats					Lat/Long			
with no shell:								
QUADRAT				% Cove	rage: 25	90		11
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notestype of shell, etc
measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Olv mm	Oly mm	indiced type of offerin, etc
#1	16	10	C			1		
#2	18	13						
#3	13	14						
#4	-7	14						
#5	9							
#6	15							
#7	14						12	145
#8								
QUADRAT				% Cove	rage:			
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notestype of shell, etc
measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notes type of onem, etc
#1								
#2	k							
#3								
#4	ll control							2
#5								
#6								
#7								
#8								
QUADRAT				% Cove	rage:			
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	
measured	Oly mm	Oly mm	Oly mm	1		Oly mm	Oly mm	notestype of shell, etc
#1	21, 11111	.,						
#2								
#3			-					
#4								
#5								
#6								
#7					- N - 1			
#8								

20	18 DISCO	VERY BA	Y OLYMP	IA OYST	ER MONIT	ORING		1	
Date:	7/1	3/18			F				
Start time:		1/9			End		9		
Monitors:		-				Pacific o	yster unle	ss other	rwise noted:
	- MY	ley T	ranc	Jeal	Only shell				
TRANSECT #	12	السيا	٧		Lat/Long	47.9	9525	17	22.87725
# Quadrats with no shell:	IM				Lat/Long	47.	9953	3 17	22.87740
QUADRAT				% Cove		70			
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes-	-type of shell, etc
measured	Oly mm	Oly mm	Oly mm	Oly mm	Olv mm	Oly mm	Oly mm		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
#1	50								
#2									
#3		in .				. (e) C	-		
#4									
#5			-						
#6									
#7									
#8						-			
The state of the s		-			1000				The state of the s
CHARRAT				0/ 0					
QUADRAT				% Cove	/	1500		سيسا	
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	To be notes	type of shell, etc
# of Oly's measured	Oly mm	Oly mm	Oly mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm	Oly mm		type of shell, etc
# of Oly's measured #1				Shell 4	Shell 5	Shell 6 Oly mm	Oly mm	notes-	type of shell, etc
# of Oly's measured #1 #2	Oly mm	Oly mm	Oly mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm	60 30		type of shell, etc
# of Oly's measured #1 #2 #3	Oly mm	Oly mm	Oly mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm 10 12 20	Oly mm		type of shell, etc
# of Oly's measured #1 #2 #3 #4	Olymm 27	Oly mm	Oly mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm 10 12 20 18	60 30		type of shell, etc
# of Oly's measured #1 #2 #3 #4 #5	Oly mm	Olymm 48	Oly mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm 10 12 20 18	60 30		type of shell, etc
# of Oly's measured #1 #2 #3 #4 #5 #6	Olymm 27	Olymm 48	Oly mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm 10 12 20 18 51	60 30		type of shell, etc
# of Oly's measured #1 #2 #3 #4 #5 #6 #7	Oly mm	Olymm 48	Oly mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm 10 12 20 18 51 38	60 30		type of shell, etc
# of Oly's measured #1 #2 #3 #4 #5 #6	Olymm 27	Olymm 48	Oly mm	Shell 4 Oly mm	Shell 5 Oly mm	Shell 6 Oly mm 10 12 20 18 51	60 30		type of shell, etc
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8	Olymm 27	Olymm 48	Oly mm	Shell 4 Oly mm 48	Shell 5 Oly mm	Shell 6 Oly mm 10 12 20 18 51 38	60 30		type of shell, etc
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8	Olymm 27	Olymm 48	Oly mm	Shell 4 Oly mm 48	Shell 5 Oly mm 5	Shell 6 Oly mm 12 20 18 51 38 54 50	Oly mm 60 30 11		type of shell, etc
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8 QUADRAT # of Oly's	Olymm 27	Olymm 48 50 Shell 2	Oly mm	Shell 4 Oly mm U8 Cover Shell 4	Shell 5 Oly mm 5 7 Sage: Shell 5	Shell 6 Oly mm 10 12 20 18 51 38 57 50 Shell 6	Oly mm 60 30 11	52	
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8 QUADRAT # of Oly's measured	Olymm 27	Olymm 48	Oly mm	Shell 4 Oly mm 48	Shell 5 Oly mm 5	Shell 6 Oly mm 12 20 18 51 38 54 50	Oly mm 60 30 11	52	type of shell, etc
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8 QUADRAT # of Oly's measured #1	Olymm 27	Olymm 48 50 Shell 2	Oly mm	Shell 4 Oly mm U8 Cover Shell 4	Shell 5 Oly mm 5 7 Sage: Shell 5	Shell 6 Oly mm 10 12 20 18 51 38 57 50 Shell 6	Oly mm 60 30 11	52	
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8 QUADRAT # of Oly's measured #1 #2	Olymm 27	Olymm 48 50 Shell 2	Oly mm	Shell 4 Oly mm U8 Cover Shell 4	Shell 5 Oly mm 5 7 Sage: Shell 5	Shell 6 Oly mm 10 12 20 18 51 38 57 50 Shell 6	Oly mm 60 30 11	52	
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8 QUADRAT # of Oly's measured #1 #2 #3	Olymm 27	Olymm 48 50 Shell 2	Oly mm	Shell 4 Oly mm U8 Cover Shell 4	Shell 5 Oly mm 5 7 Sage: Shell 5	Shell 6 Oly mm 10 12 20 18 51 38 57 50 Shell 6	Oly mm 60 30 11	52	
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8 QUADRAT # of Oly's measured #1 #2 #3 #4	Olymm 27	Olymm 48 50 Shell 2	Oly mm	Shell 4 Oly mm U8 Cover Shell 4	Shell 5 Oly mm 5 7 Sage: Shell 5	Shell 6 Oly mm 10 12 20 18 51 38 57 50 Shell 6	Oly mm 60 30 11	52	
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8 PAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE	Olymm 27	Olymm 48 500 Shell 2	Oly mm	Shell 4 Oly mm U8 Cover Shell 4	Shell 5 Oly mm 5 7 Sage: Shell 5	Shell 6 Oly mm 10 12 20 18 51 38 57 50 Shell 6	Oly mm 60 30 11	52	
# of Oly's measured #1 #2 #3 #4 #5 #8 QUADRAT # of Oly's measured #1 #2 #3 #4 #5 #6	Olymm 27	Olymm 48 500 Shell 2	Oly mm	Shell 4 Oly mm U8 Cover Shell 4	Shell 5 Oly mm 5 7 Sage: Shell 5	Shell 6 Oly mm 10 12 20 18 51 38 57 50 Shell 6	Oly mm 60 30 11	52	
# of Oly's measured #1 #2 #3 #4 #5 #6 #7 #8 PAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE	Olymm 27	Olymm 48 500 Shell 2	Oly mm	Shell 4 Oly mm U8 Cover Shell 4	Shell 5 Oly mm 5 7 Sage: Shell 5	Shell 6 Oly mm 10 12 20 18 51 38 57 50 Shell 6	Oly mm 60 30 11	52	

1005 1A 11:35

	20			Y OLYMP	IA OYSTI	ER MONIT	ORING		
	Date:	7/1	3/18			End			
	Start time:	11:30	am			End time:			
	Monitors:	JED,	FRANK	SHELL	EY,		Pacific o	yster unle	ss otherwise noted;
		KA-777	y and	56, NEI	<u></u>	Only shell			
	TRANSECT #	1A				Lat/Long	(along	pomer	lines - no lot/long
	# Quadrats	Fe.				Lat/Long	GF	> HECO	Med) 12 11
ļ	with no shell:		1			LavLong			
1	QUADRAT				% Cover	age: 8'	7.		
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	natas turns of shall sta
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notestype of shell, etc
	#1	20							
	#2	35							
	#3	12				35	- 8		
	#4	1 0-			12				
	#5								
-	#6								
3	#0 #7								
	#8								
	QUADRAT	8			% Cover	age: Ø			
	# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notestype of shell, etc
	measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notestype of shell, etc
	#1								
	#2								
	#3				- 4				
- 1	#4								
	#5								
	#6								
i	#7								
	#8							-	*
	#0								
	QUADRAT				% Cover	age: 20	2		
1	# of Oly's	Shell 1	Shell 2	Shell 3	Sheli 4	Shell 5	Shell 6	Shell 7	
- 1	-	Oly mm	Oly mm	Oly mm	Oly mm		Oly mm	Oly mm	notestype of shell, etc
	#1	50	40	50	55	20	45	48	
- 1	#2	15	45	35		40	40		
	#3	20	60	45		50	50		
	#4	20	50	13		45	25		
L		~~				20			
	#5								
	#5 #6		45			20	10		
	#6		45			<i>~</i> 0	10		
			45			<i>p</i> -0	. 10		

20	18 DISCO	OVERY BA	YOLYMF	IA OYST	ER MONIT	ORING		1	
Date:		3/18						•	92
Start time:					End				3
Monitors:	IKATH	Y, NEIL	, TEO,	FRANK	time: *shells are	Pacific o	vster unle	ı ess othe	rwise noted:
	SHEZ	LEY, GA	EGG		Only shell				
TRANSECT #					Lat/Long				
# Quadrats	11				Lat/Long	1			
with no shell:	11		T	т	Laucong		T		
5QUADRAT				% Cove	rage: 8	2		tt	
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes	-type of shell, etc
measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	notes-	-type of shell, etc
#1	48								
#2									
#3								(*)	
#4	i .								
#5									
#6								-v	
#7									
#8									7
								PAST	
QUADRAT	MAG			% Cove	rage: / d	5 %			
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes-	type of shell, etc
measured	Oly mm	Oly mm	Oly mm	Oly mm	A V - 11	Oly mm	Oly mm		type or enem, etc
#1	27	48	40	48	54	10	60	52	
#2						12	30		
#3						20	11		
#4					1.	18			
#5				Y II.		51			La Carte de la Car
#6						38			
#7						54			
#8						50			
	1							A TE	
QUADRAT	2			% Cove			7.5		
# of Oly's	Shell 1	Shell 2	Shell 3	Shell 4	Shell 5	Shell 6	Shell 7	notes-	-type of shell, etc
measured	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm	Oly mm		-7 ha at alicil' era
#1									
#2									
#3									
#4									
#5			_						
#6			13						+1
#7									
#8	-						-		

Shelley 1 Frank Ged 11:35 am

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	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING						
Date:	5/18/18						
Monitors:		ny Glenn Hertma	Caller For	1. No. 3.			
PLOT#	- marina lieutura	Center Pt Latitude:	n shelley tra	are, manua			
1201#		Center Pt					
		Longitude:					
Start Time:			ALE-WILLIAM				
		72-1	# Quadrats w/ no s	shell:			
QUADRAT #	New						
Oly measured							
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm			
1	18	20	19				
2	19						
3							
4							
5		77					
6							
7							
8							
0	THE RESERVE OF THE PARTY OF THE		HARLE BY STREET				
QUADRAT #	New	THE HANDSHIP CONTROL	Complete and the second second				
Oly measured		E WAR KIND OF THE					
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm			
1	26	21	19	25			
2	73		1/4				
3	17		19				
4	14-						
5	22						
6	2.0						
7	21						
	41	Comment of the latest					
8			AND DESCRIPTION OF THE PARTY OF	THE RESERVE OF THE PARTY OF THE			
QUADRAT #	same as	c h m					
Oly measured							
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm			
1	22	18	23	16			
2		14		14			
3							
4							
5							
6							
7							
8							
	a very plant to the						

	2018 QUILCENE B	AY OLYMPIA OYSTER	R PLOT MONITORIN	G
Date:	5/18/18		Tree monte of mo	
Monitors:		ivilyn		
PLOT#	Janeary, Te	Center Pt Latitude:		
		Center Pt		
		Longitude:		
Start Time:		LE BRITANTI II MASIL	أرار في في معالمة	المراجع والمراجع
			# Quadrats w/ no s	shell:
QUADRAT #	same as page	- 7-		
Oly measured			Chall C. Oh. I It was	Ohali 4 Ohalii
on →	Shell 1- Oly Humin	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	17	20	13	
2	29			
3				
4				
5				
6				
7				
8				
QUADRAT #	New			
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1 1	16	21	20	16
2		12		
3		17		
4		20		
5		18		
6				
7				
8				
QUADRAT #	Lamp			
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	24	14	ZO	20
2	23	16		
3		12		
4				
5				
6		The second secon		
7				
8				
		The same of the sa	Cereb Markethan	

	2018 QUILCENE B	BAY OLYMPIA OYSTER	P PI OT MONITORIN	G
Date:	5/18/18	1	TI LOT MORTOTAL	G
Monitors:	3	- Tale 1		
PLOT#		Center Pt Latitude:	17-31-2-3-3	
		Center Pt		
		Longitude:		
Start Time:		St. System St. Maryon		arine di
			# Quadrats w/ no s	shell:
QUADRAT #	same as pa	028		
Oly measured		Shell 2 - Oly Ht mm	Chall 2 Ohy Lit man	Oh all 4 Oh I lib mana
on →	Shell 1- Oly Hullin		Shell 3- Oly Hi milli	Shell 4- Oly Ht mm
1	20	22	24	20
2				
3				
4				
5				
6				
7				
8				
		State of the state		hat a second second
QUADRAT# 5	same as abo	rve.		
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	24	22	18	20
2		17		18
3				30
4				
5				
6				
7				
8				
		PATRICE WALKE		
QUADRAT #	same			
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	22	30	16	28
2	20		21	20
3			21	
4				
5				
6				
7				
8				
		Karaman sa		EDECTOR DISCO

page 9

	2018 QUILCENE B	AY OLYMPIA OYSTER	PLOT MONITORIN	G
Date:	5/18/18			
Monitors:		e Mante	Erack Vatt	
PLOT#	TOTENH MCI	Center Pt Latitude:	Frank Kath	cy .
		Center Pt		
		Longitude:		
Start Time:		Mana Casta and Commission		
			# Quadrats w/ no s	hell:
QUADRAT #	lew			
Oly measured				
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
	18	13	16	12
2			18	
3			7	
4				
5				
6				
7			THE RELATION TO SHARE	
8				
			ADVANCE OF SHIPMEN	MINISTRA VIETNAM V
QUADRAT #	same.			
Oly measured				
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	12	20	30	13
2				
3				
4				
5				
6				
7				
8				
GER LINCHELS AND	the American Telephone			
QUADRAT #				
Oly measured	Chall 4 Obit 14	Challe Challe	01-110 01 111	01-114 01 11
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Snell 4- Oly Ht mm
1	30	18	21	
2		20	12	
3		12		
4		20		
5		21		
6		- W. V J W W W W W W W		
7				
8				
	Contract Con			
			SEC. OF SHEET SEC. SHEET	The second secon

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING					
Date:	5/18/18	Sheller Gleni	Frank Ma	VILLE		
Monitors:						
PLOT#		Center Pt Latitude:				
7		Center Pt				
		Longitude:				
Start Time:						
1 ×			# Quadrats w/ no s	shell:		
QUADRAT #	New					
Oly measured						
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
1	21	77	22	10		
2		79	44	10		
3						
4			Carried Control			
5						
6				81		
7						
8						
QUADRAT #	New					
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
1	21	22	21	20		
2				20		
3						
4						
5						
6		حساد أحالت				
7						
8						
OHADDAT "		MATERIAL SERVICES				
QUADRAT #	Same					
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
1	26	24	19	20		
2	18	20				
3						
4						
5						
6						
7						
8						
O	dial /	A all		at the		
	shell s	shell 4	Shrll 7	shell 8		
	18	21	30	14		
			754			

Pa

	2018 QUILCENE B	AY OLYMPIA OYSTER	PLOT MONITORIN	G
Date:	5/18/18			
Monitors:				
PLOT #		Center Pt Latitude:		
		Center Pt		
		Longitude:		
Start Time:				
			# Quadrats w/ no s	hell:
	same as 100	4011		
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	7.0	19	20	16
2		77	12	
3			1/2	
4				
5				
6				
7				
8				
to the constitution	- Sindherman			
QUADRAT #	same as	above.		
Oly measured		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
on →	77	70	29	
2	16	20	20	
3	18			
4				
5			16	
6				
7				
8				
OUADDAT #	A			
QUADRAT #	New			
Oly measured on →		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	20	16	16	10
2				18
3 '				* **
4	1	1		m.
5	#5	#6	#7	#8
6	20	21	19	20
7			22	70
8				

Rage New 1

	EUTO GOILOLINE D	AY OLYMPIA OYSTER	TEOT MONTONIA	d
Date:	5/18/18			
Monitors:	Beeky G-N, No	ency Stevens, Ba	ub Herry Gres	Patton
PLOT #		Center Pt Latitude:		
		Center Pt		
		Longitude:		
Start Time: \	300m			The Mark Hall Cont.
			# Quadrats w/ no s	shell:
QUADRAT # 2				
Oly measured	01-11-4 01-111	01 110 01 111		
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	20			
2	15			
3	23			
4	25	10 (A)		
5				
6				
7				
8				
0				
QUADRAT # 3				Sie a Vitaliji
Oly measured				
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	18	10	20	16
2	10	16		10
3		10	18	
1			18	
Qual4#3	12		0/	
	13	17/	26	21
6			20	
7			26	
8				
QUADRAT # 3				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	22	20		
Dua8#4	20	18	99	0/
-	20		22	26
4 5	24	22		19
	22	9-		17.7
Qua61+4	23	30	33	14
7			29	
- 8				
Duad #4	27	19	22	28
		141		***
Suad#4		20		
July of the	19	en e	18	

- extratine ymore shell

	2018 QUILCENE B	BAY OLYMPIA OYSTER	R PLOT MONITORIN	IG	
Date:	5/18/18		T- T-		
Monitors:					
PLOT #)	Center Pt Latitude:			
		Center Pt			
41		Longitude:			
Start Time:		of the grade in the state of			
		3	# Quadrats w/ no	shell:	
QUADRAT #	2				
Oly measured					
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm	
1	7/4/	2.3			
2	The state of the s				
3					
4					
5		West			
6					
7			**************************************		
8					
		EDWARD TO THE	CHEST AND SECURITY		
QUADRAT #	a.				
Oly measured	0				
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm	
1					
2					
3					
4					
5					
6		***************************************			
7				+	
8					
	CYCLE WAS TO SERVE				
QUADRAT #			-	CAN HALL PLANTED AND	
Oly measured	Obella Olivi	01.110.01111	0		
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm	
1		V			
2					
3					
4					
5					
6	Top - 12				
7					
8					
	THE STREET STREET		Marie Company	MARIE TO PETER STREET	
	A STATE OF STREET	and the second second second		Service Control of the Control of th	

Thus

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING						
	Date:	5/18/18					
	Monitors:	Blake, Earle	Ley, Lowe Ton	Gurlyer			
	PLOT # 2		Center Pt Latitude:	47,8079			
			Center Pt Longitude:	122,8624			
	Start Time:		LEW LANCE BEAUTIFE				
	2:00	PM		# Quadrats w/ no s	shell:		
Trans.	QUADRAT#						
	Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
	1		/3	26	17		
	2						
	3						
	4						
	5						
	6		7.7				
	7						
	8						
	a Same of the			WINDS OF SHARM			
	QUADRAT #						
	Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
	8.1	20	27	25	9		
17	2			+7			
	3						
	4						
	5						
	6						
	7						
	8						
	QUADRAT #						
	Oly measured on →		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
	1	25	25	17	17		
	2						
	3						
	4						
	5						
	6						
	7						
	8						
		Name and Address of the Owner, which we have the contract of t		THE RESERVE OF THE PARTY OF THE			

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	2018 QUILCENE B	AY OLYMPIA OYSTER	PLOT MONITORIN	G
Date:	5/18/18	1	T 201 MONTON	
Monitors:	Oi (Oi (O			
PLOT# 2		Center Pt Latitude:		
		Center Pt		
4 8 8		Longitude:		
Start Time:				
			# Quadrats w/ no s	shell:
QUADRAT# 2	2			
Oly measured	Chall 1 Oly 1 It mans	Chall O Oh I It was	Challe Ohilli mana	Chall 4 Oh Hhamm
on →		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	25	12	23	12
2		12	12	
3				
4				
5				
6				
7				
8				
		ETTYL KILLINGST		
QUADRAT #	er inden er inden er			
Oly measured	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
on →	One in City Inchian			Onon 4 Ony The minn
1	16	20	22	17
• • • • • • • • • • • • • • • • • • • •				an 1173
2				23
3				23
3 4				23
3 4 5				23
3 4 5 6				23
3 4 5 6 7				23
3 4 5 6				23
3 4 5 6 7 8				23
3 4 5 6 7 8 QUADRAT #				23
3 4 5 6 7 8 QUADRAT # Oly measured	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm		Shell 4- Oly Ht mm
3 4 5 6 7 8 QUADRAT # Oly measured on →	127	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
3 4 5 6 7 8 QUADRAT # Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
3 4 5 6 7 8 QUADRAT # Oly measured on → 1	13	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	
3 4 5 6 7 8 QUADRAT # Oly measured on → 1 2 3	127	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	
3 4 5 6 7 8 QUADRAT # Oly measured on → 1 2 3	13	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	
3 4 5 6 7 8 QUADRAT # Oly measured on → 1 2 3 4 5	13	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	
3 4 5 6 7 8 QUADRAT # Oly measured on → 1 2 3 4 5	13	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	
3 4 5 6 7 8 QUADRAT # Oly measured on → 1 2 3 4 5	13	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	

Trus

Shell 2 15 5 kull 3

5 hell 4.

	2018 QUILCENE B	AY OLYMPIA OYSTER	PLOT MONITORIN	G
Date:	5/18/18			
Monitors:				
PLOT #		Center Pt Latitude:		
		Center Pt Longitude:		
Start Time:				
			# Quadrats w/ no s	shell:
QUADRAT#	2			
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	30	8	13	10
2	18	79		10
3				17
4				
5				27, 30, 30, 30, 50, 50, 50, 50, 50, 50, 50, 50, 50, 5
6				
7				
8				
	The District		THE CONTRACTOR	denne som det i den de
QUADRAT#				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	28	20.	クチ	.19
2	19	24		
3				
4				
5				
6				
7				
8				
	V 1 V 100 C V			Earli Missiellon
QUADRAT #				N.
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
	3	25	18	20
2	10			
3	19			
4	3/			
5				
6				
7				* I
8				
	The state of the s			

Shell 2 Shell 3

Shell 4

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING			
Date:	5/18/18			
Monitors:		newston Blake	gardren	
PLOT #	3	Center Pt Latitude:	47.3078	
		Center Pt		
Start Time:	1:37 PM	Longitude:	122,8628	
			# Quadrats w/ no s	shall
QUADRAT #	1		# Wudulate Willo	
Oly measured				
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1 1	14	25	ME LANGE LANGE	
2				
3				
4				
5				
6				
7				
8				
OLIADDAT #	Lange III V Sangti Establish			MENT NEW YORK
QUADRAT #				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1				
2				
3				
4				
5				
6				
7				
8				
			MANUAL INCOME.	
QUADRAT #				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1				
2				
3				
4				7 THE STREET
5				
6				
7				
8				

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	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING			
Date:	5/18/18			
Monitors:				
PLOT# 3		Center Pt Latitude:		
		Center Pt		
		Longitude:		
Start Time:			AND ENEXT OF ELSE	A STATE OF THE PARTY OF THE PAR
			# Quadrats w/ no s	hell:
QUADRAT#	4			
Oly measured	Chall d. Oh I lt	Ob all O Ob all	01 . 11 0 . 01 . 111	0
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	13	18	12	20
2	16		8	8
3				
4				
5				
6				
7				
8				
Artesty 2 Kilone	COLOR MESSAGE		THE REAL PROPERTY.	
QUADRAT #				
Oly measured	Chall 4 Ohy Lit mans	Ob all O Ob I th many	01 - 11 0 01 - 114	0 0
on →	Shell 1- Oly nt mill	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	29	2	12	10
2	22			
3				
4				
5				
6				
7				
8				
			APPEAR OF THE RESIDENCE	HISTORY IN THE WAY
QUADRAT #				72-1
Oly measured	Chall 1 Oly Ut mm	Chall O Oh I lit mans	Ot all O Oh I It in	
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
	13			
2				
3				
4				
5				
6				
7				
8				

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2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING				
Date:	5/18/18			
Monitors:				
PLOT #	3	Center Pt Latitude:		
		Center Pt		
Ot - 4 *1		Longitude:		
Start Time:				Salara da Aragia
Lillian Same			# Quadrats w/ no s	shell:
QUADRAT#				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	25	15	24	18
2			41	12
3				
4				
5				
6				
7				
8				
	THE STATE OF THE S			The Army State of the A
QUADRAT #				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
V 1	17	17	16	12
2	162			1
3	L			
4				
5				
6				
7				
8				
	Paul Page in Africa III I	San		
QUADRAT #				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	9	19	g	12
2	14			
3	19			
4	21			
5	1			
6			guita qua prometi	
7				
8				
	The state of the s		Carrier Carrier	COURT OF AN ADDRESS OF

Tup.

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING				
Date:	5/18/18				
Monitors:					
PLOT#	3	Center Pt Latitude:			
		Center Pt			
		Longitude:			
Start Time:		TO THE WAY TO VINCE			
			# Quadrats w/ no s	Shell 3- Oly Ht mm Shell 4- Oly Ht mm	
QUADRAT#	3				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm	
1	20	21	10		
2	13		1.6		
3	1				
4	17				
5	10				
6	15		1000000		
7					
8					
CONTRACTOR STATE			and the second second	ELIPICA INCAPA FOR	
QUADRAT #					
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm	
1	3	5	21	19	
2					
3					
4					
5					
6					
7					
8					
				Charles investors	
QUADRAT #					
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm	
A1 - W	12				
2					
3					
4					
5					
6					
7					
8					



2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING				
Date: 5/18/18				
Monitors:				
PLOT#		Center Pt Latitude:		
		Center Pt		
		Longitude:		
Start Time:				
			# Quadrats w/ no s	hell:
QUADRAT #	2			
Oly measured	Chall 1 Ohi I It mans	Chall O Oh I It was	05-110-01-11	01 11 4 01 111
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	22		15	17
2	25			14
3			Maria Maria	
4				
5				
6			v	
7				
8				
		TO SHE THE RESERVE	The same of the	
QUADRAT #				
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	30	/ 1	10	
2			10	10
3				
4				
5				
6				
7				
8				
	MARKET BROKE ELECTRIC			
QUADRAT #			OF BUILDING	
Oly measured	Chall 4 Ob 11	01-110-01-11	01 11 0 0 11	
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	12	14	12	15
2				
3				
4				
5				
6				
7				
8				
			E CONTRACTOR	OUTE STREET

2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING				
Date:	5/18/18			
Monitors:	Eardley, Bl	ike Harrington	, gardner	
PLOT #	3	Center Pt Latitude:		
	1	Center Pt		
		Longitude:		
Start Time:				mente almah
1:42			# Quadrats w/ no s	shell:
QUADRAT #	2			
Oly measured	Shell 1- Oly Ht mm	Shall 2 Oly Ht mm	Chall 2 Ohy Lit mm	Chall 4 Ohy Lit mm
on →		Shell 2 - Oly Ht mm	Shell 3- Oly ni min	Shell 4- Oly Ht mm
1	19	16	16	12
2	10		10	
3	10		19	
4	21			
5				
6				
7				
8				
	The state of the s	STATISTICS TO SERVICE		
QUADRAT #	H			
Oly measured	Shall 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shall 2 Oly Ht mm	Shell 4- Oly Ht mm
on →	Official 1- Office than			Shell 4- Oly Hulli
1	23	21	14	16
2	17		12	
3			6	
4				
5				
6				
7				
8				
fined the septiment				
QUADRAT #				
Oly measured	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3. Oly Ht mm	Shell 4- Oly Ht mm
on →				
1	10	25	22	30
2				
3				
4				
5				
6				
7				
8				
	EVIVE SELECTION			

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING			
Date:	5/18/18			
Monitors:		n, 61enn Hartman	Shelly From	(Marchine
PLOT# 4	iportino,	Center Pt Latitude:	The contract of the contract o	C. Marigh
		Center Pt		
		Longitude:	17	
Start Time: 17	130			CONTRACTOR OF
			# Quadrats w/ no s	hell:
QUADRAT #			" Gadarato Willo	
Oly measured				
	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
on →	-13.	7/1		
2	13mm	24 mm	Ilmm	Z8 mm
	13mm	72 mm	18mm	14
3		15mm		8
4				30
5				29
6				18
7				30
8				
QUADRAT # 50	rune as above			
Oly measured	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3. Oly Ht mm	Shell 4- Oly Ht mm
011 -	Official City The Tilling		One i o oiy ni min	
1	14	27	12	12
2	21	10	14	
3	18		12	
4				
5				
6				
7				
8				
Designation of the second				TOS TO THE RESERVE OF THE PARTY
QUADRAT #	same as abo	VP		
Oly measured			THE PERSON	
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	24			
2	27			
3	4.			4
4				
5				0
6				
7		1 31) (01		
8				V T

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2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING				
		AT OLTIVIPIA OTSTER	PLOT MONITORIN	G
Date:	5/18/18			
Monitors:	Kathy Glenn	Frank Shell	ey Manyn	
PLOT#		Center Pt Latitude:		
		Center Pt		
[O		Longitude:		
Start Time:			حد مستقد والعقار	Andrew Rolls and
			# Quadrats w/ no s	shell:
QUADRAT # /	lew			
Oly measured		Shall 2 Oly Lit mm	Shall 2 Oky Lit mm	Chall 4 Ohy Lit mm
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Hi min	Shell 4- Oly Ht mm
1	8	16	12	24
2			21	20
3			17-	
4				
5				
6			Total Control	
7				
8				
	TO THE REAL PROPERTY.			
QUADRAT #	Same			
Oly measured				1 *
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	10	30	22	20
2	14		8	
3	17		0	
4	10	——————————————————————————————————————		
5				
6	20			
	20			
7				
8				
OUADDAT #				
QUADRAT #	same			
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	32	20	22	19
2		7	(As any	12
3		23	27	
4			als and the same way	
5				
6		*		
7				
8				
0			V 25 W 27	

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING			
Date:	5/18/18			
Monitors:				
PLOT#		Center Pt Latitude:		
		Center Pt		
		Longitude:		
Start Time:				with well during the
			# Quadrats w/ no s	shell:
QUADRAT #	same from po	age Z		
Oly measured			Chall C. Ohy I It many	Chall 4 Oh 1th ann
on →		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	22	21	24	25
2			20	
3			23	
4				
5				
6				
7				
8				
elegii — pari				
	same			
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	22	19	20	26
2		V /	24	- 39
3			20	
4			26	
5			20	
6			18	
7			10	
8				
				Stocker was a contract of
QUADRAT #	New			
Oly measured		Chall C. Oh. I It.	01 110 01 111	
on →		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	27	29	10	12
2			12	
3				
4				
5				
6				
7				
8				

	2018 QUILCENE B	AY OLYMPIA OYSTER	R PLOT MONITORIN	G
Date:	5/18/18			
Monitors:		nlun 6/enn 1	rank, Kath	
PLOT #	I many sou	Center Pt Latitude:	rance, rain	4
	1	Center Pt		
		Longitude:		
Start Time:		OF SORING BY	delinitary de la company de la	
			# Quadrats w/ no s	shell:
QUADRAT # 50	une from Do	1ge 3		
Oly measured			01-110-01-11	01 11 4 01 111
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	9	22	21	13
2	13	17	32	16
3		30		Tall Inches
4				
5				
6				
7				
8				
viewesijes iziji i se	THE PERSON NAMED OF THE			
QUADRAT #	same			
Oly measured		01-110-01-11	0, 1,0,0,1,1	
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1.	25	19	160	12
2		18		
3		10	Time and a	
4				
5				
6				
7				
8				
West 2 2 1 1 2 1 2 2 2 2		Carlotte and the same of the s		
QUADRAT #	New			
Oly measured				
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	22	23	20	17
2		17	72	28
3			18	- 20
4			1.0	
5				
6				
7				
8				
0				

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING					
Date:	5/18/18					
Monitors:	Shelley May	relyn Wenn H	Frank Kat	7		
PLOT #		Center Pt Latitude:	The second of the second	MY		
		Center Pt				
la. i m		Longitude:				
Start Time:			لسياح بالتسالية			
			# Quadrats w/ no s	shell:		
QUADRAT #	same as pa	ae 4				
Oly measured on →			Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
1	17					
2						
3						
4						
5						
6						
7						
8						
			12 May 15 1 SE	Carried High		
QUADRAT #	New					
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
1	22	20	27	22		
2		18	20	24		
3		26				
4		7.5				
5		17				
6						
7						
8						
QUADRAT #	same					
Oly measured on →		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm		
	12	30	22	75		
2						
3						
4						
5						
6						
7	V T		7-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
8						

	0040 OUII OFNE F	NAV OLVMBIA OVOTE		
-		BAY OLYMPIA OYSTER	R PLOT MONITORIN	G
Date:	5/18/18	1	7	
Monitors:	Glenn Shell	ey Marilyn F	rank Kath	M
PLOT# 4		Center Pt Latitude:		
		Center Pt		
Start Time:		Longitude:		
Start Time.		CALL A STATE OF THE PROPERTY OF THE PARTY OF	THE PERSON HE	
Ollappa II			# Quadrats w/ no s	shell:
QUADRAT #	New			
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	70	37_	27	16
2	18		30	12
3			24	14
4			70	14
5				17-
6				10
7				
8				
			THE WAY TO BE	Contract and the least
QUADRAT # 50	zme.			
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	77	18	22	20
2		10	tores tores	
3				
4				
5				
6				
7				
8				
			800 (4) Sanda S	DESCRIPTION OF THE PROPERTY OF
QUADRAT #	same		2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
Oly measured on →		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm
1	28			
2	20			
3				
4				
5				
6				
7				
8	· · · · · · · · · · · · · · · · · · ·			
			There were a	
			The second section is a second	The second secon

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING						
Date:	5/18/18						
Monitors:	Becky B-N	1. Nancy Steve	ns, Barb He	einer, Grea F			
PLOT# 5		Center Pt Latitude:	47.8078	,			
		Center Pt Longitude:	1122.863				
Start Time:	2:30	THE STATE OF THE WOOD					
			# Quadrats w/ no s	shell: / /			
QUADRAT #	(3) nearst						
Oly measured	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shall 2 Oly Ht mm	Chall 4 Oly Lit mm			
on →				Shell 4- Oly Ht mm			
11	15	10.	8	8			
2		0					
(3)							
4							
5							
6							
7							
8		Berlinstein and State Addition	and the same of the same				
QUADRAT #	7.						
Oly measured			7	6			
on →	Shell 5 Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell Oly Ht mm			
(1	1.6	20	20	10			
2			The state of the s				
3							
4							
5							
6							
7				*			
8							
QUADRAT #	30						
Oly measured on →	Shell 47 Oly Ht mm	Shel	Shell [4]- Oly Ht mm	Shell 4,20ly Ht mm			
	aa	28	20	20			
2							
3							
				7-1			
4							
5							
5 6							
5							

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	2018 QUILCENE E	BAY OLYMPIA OYSTER	R PLOT MONITORIN	G
Date:	5/18/18			
Monitors:				
PLOT #	5	Center Pt Latitude:	47.8078	
		Center Pt		
[01 - 4 Time		Longitude:	12-2,863	
Start Time:	2130		produced and formal the se	The Market Market and I
			# Quadrats w/ no s	shell:
QUADRAT #	5			
Oly measured	Shell 13 Oly Ht mm	Shell A Oly Ht mm	Shell \$50ly Ht mm	Chall // Oly Ht mm
on →				
1	20	29	25	28
2				15
3				
4				
5				
6				
7				
8				
A PERMIT				
QUADRAT #	3			
Oly measured on →	Shell 17 Oly Ht mm	Shell 4 8 Oly Ht mm	Shell 49 Oly Ht mm	Shell Woly Ht mm
1	15	13	25	18
2				10
3				
4				
5				
6				
7				
8				
		THE RESERVE OF THE PARTY OF THE		
QUADRAT #	3			
QUADRAT # Oly measured	3 Chall #22 Ch. Lin			
Oly measured		Shell 22 Oly Ht mm	Shell 33 Oly Ht mm	Shell 4. Oly Ht mm
Oly measured on →		Shell 22 Oly Ht mm	-	Shell 2 Oly Ht mm
Oly measured on → 1 2	Shell Oly Ht mm		Shell 33 Oly Ht mm	Shell 4 Oly Ht mm
Oly measured on →	Shell Oly Ht mm		-	Shell 3 Oly Ht mm
Oly measured on → 1 2	Shell Oly Ht mm		-	Shell 4 Oly Ht mm
Oly measured on → 1 2 3	Shell Oly Ht mm		-	Shell 3 Oly Ht mm
Oly measured on → 1 2 3 4	Shell Oly Ht mm		-	Shell 4 Oly Ht mm
Oly measured on → 1 2 3 4 5	Shell Oly Ht mm		-	Shell 4 Oly Ht mm
Oly measured on → 1 2 3 4 5 6	Shell Oly Ht mm		-	Shell 3 Oly Ht mm



2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING Date: 5/18/18 Monitors: Nancy Stevens PLOT# **Center Pt Latitude:** 47,8078 **Center Pt** 22.863 Longitude: Start Time: # Quadrats w/ no shell: // **QUADRAT** # Oly measured Shell 1- Oly Ht mm Shell 2 - Oly Ht mm Shell 3- Oly Ht mm Shell 4- Oly Ht mm on -> 15 22 20 3 4 5 6 8 **QUADRAT** # Oly measured Shell & Oly Ht mm | Shell &- Oly Ht mm Shell 3- Oly Ht mm Shell & Oly Ht mm on → 5 16 1 25 2 20 3 4 5 6 **QUADRAT** # Oly measured Shell #42 Oly Ht mm Shell #2 Oly Ht mm Shell - Oly Ht mm | Shell D Oly Ht mm on -> 1 10 20 2 25 3 25 4 10 5 19, 6 7

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2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING Date: 5/18/18 Monitors: PLOT# Center Pt Latitude: 47. 9078 **Center Pt** 122.863 Longitude: Start Time: # Quadrats w/ no shell: QUADRAT # Oly measured Shell 1- Oly Ht mm | Shell 2 - Oly Ht mm Shell 3- Oly Ht mm Shell 4- Oly Ht mm on -> 12 18 1 15 30 20 3 20 4 5 6 7 8 QUADRAT# Oly measured Shell 1- Oly Ht mm | Shell 2 - Oly Ht mm Shell 3- Oly Ht mm Shell 4- Oly Ht mm on → 20 1 2 25 20 20 25 3 4 5 6 8 QUADRAT # Oly measured Shell 1- Oly Ht mm | Shell 2 - Oly Ht mm Shell 3- Oly Ht mm Shell 4- Oly Ht mm on → 22 20 1 20 20 2 3 4 5 6 7 8

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2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING Date: 5/18/18 Monitors: PLOT# 5 Center Pt Latitude: 47. 8078 Center Pt 122.863 Longitude: Start Time: # Quadrats w/ no shell: QUADRAT # Oly measured Shell 45 Oly Ht mm Shell 3- Oly Ht mm Shell Oly Ht mm Shell Oly Ht mm on → 25 22 2 20 20 3 15 4 5 6 7 8 **QUADRAT** # Oly measured Shell 9- Oly Ht mm Shell 2- Oly Ht mm Shell \$\ Oly Ht mm Shell \$\ 20ly Ht mm on → 1 10 3 7 4 10 5 3 22 6 18 10 7 8 **QUADRAT** # Oly measured Shell \$50ly Ht mm Shell 6 Oly Ht mm Shell 13 Oly Ht mm Shell 4 Oly Ht mm on → 32 1 2 3 20 20 4 5 6 7 8

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	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING							
			BAY OLYMPIA OYSTEI	R PLOT MONITORIN	IG			
	Date:	5/18/18						
	Monitors:			A .				
	PLOT #		Center Pt Latitude:	47,8078				
			Center Pt	122.86	2			
			Longitude:	100,00				
	Start Time:		Maria Maria Para In					
				# Quadrats w/ no	shell:			
- NA	QUADRAT # (2)							
500	Oly measured on →	Shell 1-70ly Ht mm	Shell \$ Oly Ht mm	Shell \$90ly Ht mm	Shell Oly Ht mm			
	1	28	25	25	15			
	2	30		0.0				
	3	15						
	4	15						
	5	20						
	6	20						
	7	<u> </u>						
	8	the same of the sa						
CANP	OUADDAT # /				SECTION AND			
20	QUADRAT #							
	Oly measured	Shell 2 Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm			
	on → 1	20						
		au au						
	2							
	3							
	4							
	5							
	6							
	7							
)	8							
Now	VIEW VIEW							
	QUADRAT #15							
	Oly measured	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3. Oly Ht mm	Shell 4- Oly Ht mm			
	011 7							
	1	20	23	20	23			
	2			20	20			
	3			20	23			
	4			13	25			
	5			18				
	6							
	7				700			
7.75	8							
			THE STREET		Example of the second			

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	2018 QUILCENE E	BAY OLYMPIA OYSTER	R PLOT MONITORIN	G
Date:	5/18/18			
Monitors:			,	
PLOT # 5		Center Pt Latitude:	47. 9076	
-		Center Pt		-
		Longitude:	122,863	
Start Time:				Water Street, A.
			# Quadrats w/ no s	shell:
QUADRAT #	3			
Oly measured	Chall & Oly I have	Challes Challen	0, 17 0, 11	a
on →	Shell 5 Oly Ht mm	Shell D- Oly Ht mm	Shell 3- Oly Ht mm	Shell Oly Ht mm
1	20	20	13	35
2	20	28	. 18	
3	18			
4	20			
5	13			
6				
7				
8				
		A MARKAL SERVICE SAME AND	REPORT OF STREET	OF STREET
QUADRAT #				
Oly measured	Shell 4- Oly Ht mm	Shell 2 - Oly Ht mm	Chall bl Ohill have	01-011/0 01-11
on →				Shell Poly Ht mm
1	10	20	20	25
2				15
3				
4				
5				
6				
7				
8				
QUADRAT #				
Oly measured	Shell 130ly Ht mm	Shell by Oly Ht mm	Shell \$50ly Ht mm	Shall be Oly Ht mm
on →	Chair & Cony File Hilli	OHORE CONTRIBUTION		One 4- Oly Fit Hilli
1	25	15	20	23
2	20	15		18
3		15		22
4				
5				
6				
7				
8				
			BENEFIT OF THE STATE OF	The second secon

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	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING						
Date:	5/18/18						
Monitors:							
PLOT #		Center Pt Latitude:	1 47				
		Center Pt					
		Longitude:	122				
Start Time:							
A 1			# Quadrats w/ no s	shell:			
QUADRAT #							
Oly measured	Ob all 4 Ob at 18 mans	2					
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm			
1	10						
2	12						
3							
4							
5				V			
6							
7							
8							
SALES FOR							
QUADRAT # 2	2						
Oly measured	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Chall 2 Ohy Lit mans	Ob all 4 Ob the man			
on →		Shell 2 - Oly Hi IIIII	Shell 3- Oly Humili	Shell 4- Oly Ht mm			
11	18	20					
2		23					
3		25					
4							
5							
6							
7							
8							
	EVENT IN THE		CONTRACTOR OF THE PARTY OF THE				
QUADRAT # 3							
Oly measured on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm			
1	20	26	28	10			
2		22	10	122			
3		25	15				
4		23					
5							
6							
7							
8							

	2018 QUILCENE BAY OLYMPIA OYSTER PLOT MONITORING							
Date:	5/18/18							
Monitors:								
PLOT# 5		Center Pt Latitude:	47.8078					
		Center Pt						
		Longitude:	122.863					
Start Time:								
			# Quadrats w/ no s	hell:				
QUADRAT # 3								
Oly measured	01-114 01-114	01.110.01.111	0, 110, 01, 111					
on →	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm				
1	11	20	15	20				
2	12	14	18					
3	14							
4	25							
5	25							
6								
7								
8								
	AND AND AND THE PERSON		West Control	FOR ENDING THE				
QUADRAT # 3								
Oly measured	Shall 1 Oly Lit mm	Chall O Ohy I It many	Chall O. Oh. I lk insur	Ob all 4 Ob 144				
on →		Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shell 4- Oly Ht mm				
1	15	32	25	24				
2			25					
3			18					
4			25					
5			20					
6								
7			****					
8								
QUADRAT #								
Oly measured	Shell 1- Oly Ht mm	Shell 2 - Oly Ht mm	Shell 3- Oly Ht mm	Shall 4. Oly Lit mm				
on →	Choir i Oly Hellilli	Onon 2 7 Oly Fit IIIII	Onell or Oly Hullill	One 4- Oly Fit Hill				
1								
2								
3								
4								
5								
6								
7								
7 8								

Quilcene MRC Olympia Oyster Project SIZE OF SPAT - 2018 Seeded Cultch.

Measuring Ht of 100 Olys on random shell 3-4 handfuls/bag mixed in bucket from 6 bags/plot

Recorder's Names: Anne S. Kathy W-5	Station Information
Shelley, Gregg, SarahW	Waterbody: Hood Canal
Deployment Date: 8-10-18	Station Name: Quilcene
Monitoring Date: $8 - 11 - 18$	Lat (WGS 84):
Time of Low tide: 1030am	Long (WGS 84)
TEST PLOT # 2018 -1	Low tide predicted: 11:20 am (-2.9)

Olys only	length - mm	length - mm	16	length - mm		length - mm		length - mm
1	35	29	100	31		14	3	38
2	48	1,15		22		32		20
3	30	26	100	28		24		35
4	24	11		12		17		17
5	39	16	· VIII	19		28		11
6	13	15		37		35		22
7	40	17		23		32		25
8	15	42	100	38		26		13
9	11	24	100	33		21		38
10	17	22		27		27	THE PARTY NAMED IN	15
11	12	24	100	25	150	20		30
12	16	10		15	100	28	100	12
13	11	17		31	-18	27		15
14	31	19		20		21	V	9
15	22	28	1	16		22		14
16	21	22		17		21		11
17	32	33	8	13		46		21
18	29	23		24	The same	32		10
19	17	28		41	1	12		26
20	21	20		45	011	18		15

Quilcene MRC Olympia Oyster Project SIZE OF SPAT - 2018 Seeded Cultch.

Measuring Ht of 100 Olys on random shell 3-4 handfuls/bag mixed in bucket from 6 bags/plot

Recorder's Names: Kathy & Glan H,	Station Information		
Savah Joseph Frank H	Waterbody: Hood Canal		
Deployment Date:	Station Name: Quilcene		
Monitoring Date: 8/11/18	Lat (WGS 84):		
Time of Low tide: 0:45 am	Long (WGS 84)		
The state of the s			
TEST PLOT # ZO18 - Z			

Olys only	length - mm		length - mm	1	length - mm	25	length - mm	150	length - mm
1	34		10		31		36		17
2	42	100	16	100	22	70	16		15
3	16		32		34		22		11
4	17-	2 10	29		24	1851	22	18	24
5	15		28	4	11	THE REAL PROPERTY.	18	200	25
6	15		2.2		29		22	7	24
7	T.V.		31		30		31		27
8	25		11		20		36		21
9	12		33		11	2	31		36
10	10		31	1	21		8		20
11	31		37		19		8		19
12	19		36	13	13	100	16		26
13	23		18		31		18	181	37
14	8		1(N	18		(8)		23
15	20	100	36		(1		8		31
16	70		30		23	18	33		28
17	33		18		18	100	26	2	32
18	15		30	- By	16		29		15
19	13		29		.31	18	34		20
20	33		31		17		39		24



Quilcene MRC Olympia Oyster Project SPAT COUNT - 2018 Seeded Cultch.

Counting # of spat/shell for a random 10 shells/bag with 20 bags/plot

Recorder's Names: ANNES, KATHY W-5	Station Information
CREBG, CHENYL, SHELLEY, SARAH W	Waterbody: Hood Canal
Deployment Date: 8/10/19	Station Name: Quilcene
Monitoring Date: 8/11/10	Lat (WGS 84):
Monitoring Date: 8/11/18 Time of Low tide: 10:30 4m	Long (WGS 84)
TECT DI OT 4 2019 01	

Shell	Both sides			Shell	Both sides	
Sample #	# Olympias	# Pacifics		Sample #	# Olympias	# Pacifics
1	1			31	4	
2	3		XXX L	32	1	
3	2			33	Ø	4
4	4			34	5	
5	1			35	4	
6	1		2521	36		10
7				37	2	
8	3	2	1245	38	4	
9	4	2		39	4	
10	3		EXEC	40	2	
11	3	2	18,300	41	3	
12	1			42	2	
13	9	1	STA .	43	Ø	3
14	1			44	4	
15	4		- 10-	45	Ī	
16	6		3,000	46	4	
17	Ø			47		
18	3	1	100	48	6	
19	1			49	1	
20	1			50	2	
21	1		0.30	51	3	
22	5			52	4	
23	2		E 27 2	53	ĺ	
24	2		11.2 24	54	6	
25	1	1	ST 25	55	3	
20	i		Townson.	56	4	
	6	1,		57	Ø	
28	3			58	1	
29	8			59	7	1
30	i			60	3	

Quilcene MRC Olympia Oyster Project SPAT COUNT - 2018 Seeded Cultch.

Counting # of spat/shell for a random 10 shells/bag with 20 bags/plot

Recorder's Names: ANNE, KATHY W-S	Station Information			
SHELLEY, GREGG, SARAH W	Waterbody: Hood Canal			
Deployment Date: 8/10/18	Station Name: Quilcene			
Monitoring Date: 8/11/18 11:3 Oam	Lat (WGS 84):			
Time of Low tide:	Long (WGS 84)			
TEST PLOT # 2018-1 Low Trace	11.20 am) (-2.9 predicted			

Shell	Both sides		6 43	Shell	Both sides	
Sample #	# Olympias	# Pacifics	200	Sample #	# Olympias	# Pacifics
1	12		Brut !	31	2	
2	1			32	1	
3	4		35 72 13	33	2	1 - ",
4	2	*	THE PERSON NAMED IN	34	4	
5	2	2	7.5	35	25.	
6	5	1	27.00	36	3	
7	2	2		37	#	
8	1		7-7-5	38	7 6	2
9	1		aris.	39		1
10	3			40	Ø	
11	2	2	Oct 19	41		97
12	Ø	1		42	3 -	
13	-7			43	Ø	
14	2			44	4	1
15	Ø	1		45	1	1
16	Ø			46	2	
17	2			47	1	
18	Ø			48	1	
19	Ø			49	4	
20	4			50	Ø	De la
21	3			51	2	
22	2	1	53/3	52	4	
23	2	1		53		1
24	3	1	2000	54	2	-
25	2			55	Ø	
26	3	H 1		56	Ø	1
27	8			57	1	1
28	3	3	100	58	2	
29	5			59	2	
30		,		60	1	

Quilcene MRC Olympia Oyster Project SPAT COUNT - 2018 Seeded Cultch.

Counting # of spat/shell for a random 10 shells/bag with 20 bags/plot

Recorder's Names: Kayny & Gran Hartman	Station Information
Darah Figher, Frank H.	Waterbody: Hood Canal
Deployment Date: 8 11 19	Station Name: Quilcene
Monitoring Date: 10:45am Low tid-	Lat (WGS 84):
Monitoring Date: 10:45am Low Ad- Time of Low tide: 10:45am Low Ad-	Long (WGS 84)
TEST PLOT # 2018-	

Shell	Both sides			Shell	Both sides	
Sample #	# Olympias	# Pacifics	NAME OF THE OWNER, OWNE	Sample #	# Olympias	# Pacifics
1	5.			31		
2	2		Z-S	32	İ	i i
3	4		5 43	33	4	
4	4		5 383	34	3	
5	3			35		
6	4			36	3	
7				37	2	
8	2			38	0	
9	2		W. P.	39	12	
10	5			40	3	
11	0			41	-3	
12			in the same	42	4	
13	5		2 300	43		
14	#2			44		
15	3		953	45	2	
16	7			46	2	
17	2			47		
18	4		PARTY.	48	0	
19				49		2
20	3			50	2	
21	2		553 4	51	3	
22	+		B B B	52	2	
23	1			53	0	
24			The Park	54	0	
25				55		
26	8		May 1	56	2	
27	15			57		
28				58	0	
29	0		SALES!	59	0	b.
30			Director 1	60	3	

Quilcene MRC Olympia Oyster Project SIZE OF SPAT - 2018 Seeded Cultch.

Measuring Ht of 100 Olys on random shell 3-4 handfuls/bag mixed in bucket from 6 bags/plot

Recorder's Names: Anne S, Kathy W-S,	Station Information
Gregg, Shelleg, Sarah W, Chenyl	Waterbody: Hood Canal
Deployment Date: $S - 10 - 18$	Station Name: Quilcene
Monitoring Date: $\{-1/-1\}$	Lat (WGS 84):
Time of Lowetide: 10 30	Long (WGS 84)
TEST PLOT # 2018 - 3 3	Low Tide 11:20am (-2.9 predicted)
TEST TEST #	

Olys only	length - mm	1	length - mm		length - mm		length - mm		length - mm
1	29		25	3	24		19		43
2	4)		12	3	15	13	19		42
3	30		17	jų,	28	18	18	5	20
4	25	100	6		19		19	To g	12
5	27		14	79	31		20		1
6	24		10	10	56		18		31
7	20		27	100	12		25		32
8	24		32	1	17		26		36
9	23		40	D)	44		28	遍	22
10	28		37	100	13		20	N D	22
11	34		33	100	22	13	39		26
12	33	1	28	100	17		29		38
13	22		32		24		29	8	17
14	20		22		21		13		31
15	24		21	14	22		19		29
16	30		21	33	19		15		18
17	17		30	23	12		9		20
18	16		28	33	10		22		19
19	37		34	B	16		9		13
20	2		16	47	18		27	18	11