

2014
ANNUAL REPORT

**ZOSTERA JAPONICA CONTROL ON COMMERCIAL
CLAM BEDS IN WILLAPA BAY**

NORTHERN OYSTER CO.

Submitted to:

Washington Department of Ecology

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Treatment Information

All treatments occurred within the boundaries of the provided bed corner coordinates, but all acres within these boundaries may not have been treated. For information concerning locations treated, size in acres, treatment dates and amount of active ingredient applied to the treatment area refer to Table 1.

Table 1. Treatment information for the control of *Zostera japonica* on commercial clam beds in Willapa Bay, WA.

Treatment Dates	Location	Latitude	Longitude	Acres	Gallons of Mix (10 gal/acre)	Clearcast in mix (oz)	Active Ingredient (Total lbs.)	Active Ingredient (lbs. per acre)
5/13/2014	TL-339A	46.434427	-124.08430	0.5	5	5	0.0390625	0.078125
		46.434437	-124.01759					
		46.434846	-124.01765					
		46.434869	-124.01832					
5/15/2014	TL-215	46.559040	-124.02117	27.5	275	330	2.578125	0.09375
5/21/2014	TL-215	46.558900	-124.01353	12.5	125	150	1.171875	0.09375
		46.560900	-124.01370					
		46.566950	-124.02104					
		46.566930	-124.01422					
5/22/2014	E-249	46.531960	-124.02551	10	100	120	0.9375	0.09375
		46.531910	-124.02386					
		46.533050	-124.02387					
		46.533080	-124.02181					
		46.534680	-124.02167					
		46.534550	-124.02500					
5/27/2014	D-99	46.472240	-124.02437	16	160	192	1.5	0.09375
		46.472160	-124.02625					
		46.467650	-124.02437					
		46.467600	-124.02480					
5/28/2014	TL-530	46.508190	-124.02747	10.5	105	126	0.984375	0.09375
		46.508010	-124.02610					
		46.508370	-124.02728					
		46.508340	-124.02629					
	TL-620	46.508120	-124.02571					
		46.508130	-124.02383					
		46.510030	-124.02275					
		46.511680	-124.02210					
		46.511680	-124.02328					
		46.508720	-124.02572					
		5/28/2014	E-2					
46.600700	-124.03598							

		46.605680	-124.03965					
		46.605990	-124.03822					
5/30/2014	E-148	46.610430	-124.03950	15	150	180	1.40625	0.09375
		46.610760	-124.03844					
		46.613510	-124.03854					
		46.619770	-124.03835					
		46.619570	-124.03903					
		46.612480	-124.04068					
5/31/2014	E-114	46.573720	-124.01447	25	250	300	2.34375	0.09375
		46.574300	-124.01971					
		46.568520	-124.01654					
		46.568410	-124.01327					
6/30/2014	C-88	46.504530	-124.97820	1	10	10	0.078125	0.078125
		46.504250	-124.97692					
		46.501720	-124.97597					
		46.501800	-124.97882					

Monitoring Results

Under special condition S5.A monitoring is required if treatment occurs up to the 10m property line buffer. In 2014 no treatments occurred up to the 10m property line buffer therefore no additional monitoring was required.

Signature Requirements

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of those persons directly responsible for gathering information, the information in the report is, to the best of my knowledge and belief, true, accurate, and complete and will be updated as necessary. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations.

Bria Shubert 11-5-14

Signature

Date