

DEPARTMENT OF ECOLOGY
DEC 04 2018
WATER QUALITY PROGRAM

**2018
ANNUAL REPORT**

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

NORTHERN OYSTER COMPANY

Submitted to:

Washington Department of Ecology

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Author:

David Beugli

WGHOGA

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WATER QUALITY PROGRAM

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. Under special condition S4.B when a buffer is not required due to a cooperating land owner that parcel edge is marked with an X indicating a cooperating land owner. In some cases a parcel edge may have a cooperating land owner and a distance from edge of treatment measurement indicating that multiple landowners own land on the property edge. For additional information concerning locations treated, size in acres, treatment dates, distance from the property, parcel or lease boundary 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	Bed Name	Parcel	Corner Coordinates		Distance From Parcel Boundary To Edge of Treatment Site				Cooperating Landowners				Acres	Amount of Pesticide Applied (oz)	Active Ingredient (Total lbs.)	Active Ingredient (oz./acre)		
			Latitude	Longitude	North Edge	East Edge	South Edge	West Edge	North Edge	East Edge	South Edge	West Edge						
5/17/2018	E2	79005000002	46.6003	-124.0371	0'	0'	0'	0'	X	X	X	X	9	90	0.70	1.21		
			46.6007	-124.0360														
			46.6057	-124.0397														
			46.6060	-124.0382														
6/2/2018	E215	79005000215	46.5590	-124.0187	35'	0'	35'	>50m	X	X	X		45	450	3.52	1.21		
			46.5589	-124.0135														
			46.5609	-124.0137														
			46.5610	-124.0127														
			46.5666	-124.0127														
	TL153	13113755153		46.5667	-124.0191													
				46.5591	-124.0247													
				46.5625	-124.0241													
				46.5625	-124.0189													
	TL53.5	12110355053		46.5590	-124.0187													
				46.5625	-124.0241													
				46.5667	-124.0237													
				46.5667	-124.0191													
			46.5625	-124.0189														

6/4/2018	E114	79005000113	46.5667	-124.0111	0'	0'	0'	35'	X	X	X	20	200	1.56	1.21
			46.5738	-124.0131											
			46.5769	-124.0175											
			46.5769	-124.0210											
			46.5665	-124.0163											
6/24/2018	TL620	12112255620	46.5081	-124.0257	0'	0'	35'	35'	X	X	X	10	100	0.78	1.21
			46.5081	-124.0238											
			46.5100	-124.0228											
			46.5117	-124.0221											
			46.5117	-124.0233											
			46.5087	-124.0257											

Monitoring Results

Under special condition S5.A monitoring is required if treatment occurs up to the 10m property line buffer. In 2018 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.

Brian Schultz 11-30-18

Signature

Date