

**2014**

**ANNUAL REPORT**

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

**WIEGARDT & SONS INC.**

**Submitted to:**

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Washington Department of Ecology

November 7, 2014

**Amended:**

February 23, 2015

**Author:**

David Beugli

WGHOGA Project Coordinator

## 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	Latitude	Longitude	Acres	Gallons of Mix (10 gal/acre)	Clearcast in mix (oz)	Active Ingredient (Total lbs.)	Active Ingredient (lbs. per acre)
5/15/2014	46.592967	-124.028217	17.1	171	205	1.6016	0.0937
	46.593417	-124.026767					
	46.592750	-124.025100					
	46.590900	124.022917					
	46.589533	-124.023933					
	46.589500	-124.024650					
	46.592150	-124.025667					
	46.591750	-124.028067					
5/20/2014	46.584283	-124.023500	17.3	173	207	1.6172	0.0935
	46.584283	-124.022833					
	46.586217	-124.024350					
	46.586367	-124.023600					
	46.586500	-124.024617					
	46.586517	-124.024383					
	46.588033	-124.024883					
	46.588083	-124.024883					
	46.588617	-124.025367					
	46.588767	-124.024467					
	46.588683	-124.023800					
	46.589483	-124.024167					
	46.590000	-124.026183					
	46.590733	-124.027400					
	46.592150	-124.025667					
	46.591750	-124.028067					
46.589500	-124.024650						
5/28/2014	46.588217	-124.023417	6.7	67	81	0.6328	0.0944
	46.586800	-124.022917					
	46.586517	-124.024383					
	46.588033	-124.024883					
	46.588617	-124.025367					
	46.588767	-124.024467					

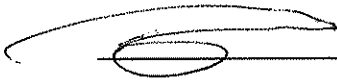
	46.588683	-124.024467						
5/29/2014	46.593417	-124.028267	1.7	17	20	0.1563	0.0919	
	46.593417	-124.026767						
	46.592983	-124.028483						
	46.593017	-124.026767						
	46.593633	-124.026550						
5/30/2014	46.459300	-124.025733	4.6	46	55	0.4297	0.0934	
	46.459033	-124.024250						
	46.457317	-124.025683						
	46.457467	-124.024567						

## Monitoring Results

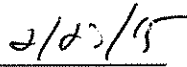
Under special condition S5.A monitoring is required if treatment occurs up to the 10m property line buffer. In 2014 no treatments occurred up to the 10m property line buffer therefore no additional monitoring was required.

## 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.*



Signature



Date