

**2014**  
**ANNUAL REPORT**  
**ZOSTERA JAPONICA CONTROL ON COMMERCIAL**  
**CLAM BEDS IN WILLAPA BAY**  
**HECKES CLAMS INC.**

**Submitted to:**  
Washington Department of Ecology  
November 7, 2014

**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	Location	Latitude	Longitude	Acres	Gallons of Mix (10 gal/acre)	Clearcast in mix (oz)	Active Ingredient (Total lbs.)	Active Ingredient (lbs. per acre)
6/4/2014	TL-046	46.448000	-124.02148	10	100	120	0.9375	0.09375
		46.446617	-124.02168					
		46.446617	-124.02008					
		46.447150	-124.01905					
		46.448317	-124.01932					
6/11/2014	D56	46.403733	-123.97220	3	30	36	0.28125	0.09375
		46.402750	-123.97167					
		46.403517	-123.97097					
		46.403017	-123.97052					
6/12/2014	D56	46.404400	-123.97875	6.25	62.5	75	0.5859375	0.09375
		46.402267	-123.97760					
		46.403033	-123.97668					
		46.403567	-123.97745					
		46.400000	-123.96667					
6/13/2014	E126	46.550550	-124.01963	3.5	35	42	0.328125	0.09375
		46.550583	-124.01963					
		46.551083	-124.01867					
		46.551983	-124.01870					

## 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 DMP 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.*

*John Fecker*      *11/5/14*  
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Signature                      Date