

**ANNUAL PRE-TREATMENT PLAN
FOR ZOSTERA JAPONICA CONTROL ON COMMERCIAL
CLAM BEDS IN WILLAPA BAY
FOR
HECKES CLAMS INC.**

Submitted to:

Washington Department of Ecology

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Author:

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Annual Pre-Treatment Plan

The locations of acreage planned for treatment in 2017, including GPS coordinates of each corner of the area, size in acres of each area and cooperating adjacent land owners are shown in Table 1.

Table 1. Coordinates of the overall area where japonica control will be implemented. Actual acres to be treated will be less than those indicated by the overall bed boundaries.

Bed Name	Parcel	Acres	Corner Coordinates		Cooperating Landowners
			Latitude	Longitude	
D56	79004000056	40	46.4052	-123.9799	
			46.4030	-123.9677	
			46.3978	-123.9796	
TL46	11111055046	15	46.4480	-124.0215	Weigardt & Sons Inc.
			46.4466	-124.0217	Taylor Resources Inc.
			46.4466	-124.0201	
			46.4472	-124.0191	
			46.4483	-124.0193	
E126	79005000126	10	46.5535	-124.0249	Taylor Resources Inc.
			46.5535	-124.0181	
			46.5524	-124.0210	
			46.5524	-124.0249	
B122	79001000122	6	46.6205	-123.9616	
			46.6205	-123.9600	
			46.6191	-123.9598	
			46.6192	-123.9613	
			46.6185	-123.9612	
E231	79005003231	10	46.6184	-123.9617	
			46.6099	-124.0392	Grassy Island Clam Farms
			46.6098	-124.0359	Willapa Bay Shellfish
			46.6088	-124.0359	Coast Seafoods
E78, E78 S 1/2	79005001078 79005010078	55	46.6083	-124.0378	Wiegardt & Sons Inc.
			46.5601	-124.0185	Grassy Island Clam Farms
			46.5601	-124.0136	Taylor Resources Inc.
			46.5560	-124.0136	
			46.5550	-124.0138	
TL604,	12112255604	21	46.5548	-124.0183	
			46.5073	-124.0283	Taylor Resources Inc.

TL619	12112255619		46.5070	-124.0264				
			46.5077	-124.0261				
			46.5077	-124.0237				
			46.5046	-124.0249				
			46.0460	-124.0272				
			46.5043	-124.0219				
			46.4410	-124.0213	Don Graves			
			46.4412	-124.0144	Herrold Fish & Oyster Co.			
			46.4367	-124.0142				
			46.4367	-124.0189				
D80, D81	79004000080 790040004081	80	46.4361	-124.0206				
			46.4366	-124.0141				
			46.4322	-124.0140				
			46.4321	-124.0161				
			46.4347	-124.0166				
			46.4347	-124.0204				
						46.4296	-124.0179	Long Island Oyster Co.
						46.4294	-124.0132	
TL258	11112255258	70	46.4178	-124.0127				
			46.4176	-124.0167				
						46.4102	-124.0010	Coast Seafoods
D82	79004000082	20	46.4081	-124.9944				
			46.4064	-124.0000				
			46.4073	-124.0051				
			46.4137	-124.0004	Coast Seafoods			
			46.4116	-123.9990				
D35	79004000035	5	46.4093	-123.9939				
			46.4074	-123.9885				
			46.4064	-123.9891				
			46.4108	-124.0243				

Annual Pre-Treatment Plan (Maps)

Figures 1-8 show the locations of proposed japonica treatments for 2017.

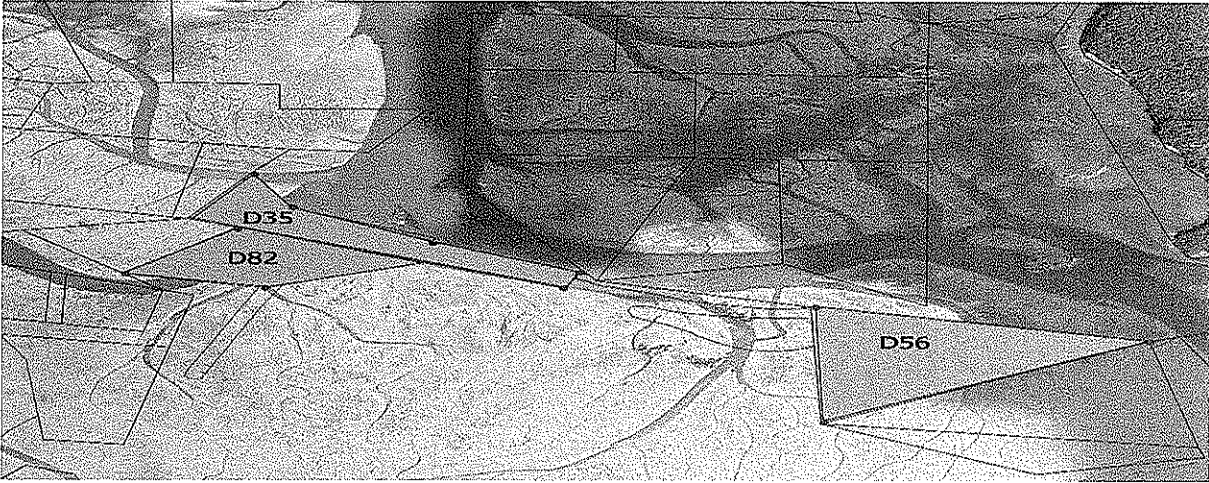


Figure 1. Parcels 79004000056, 79004000082, 79004000035.

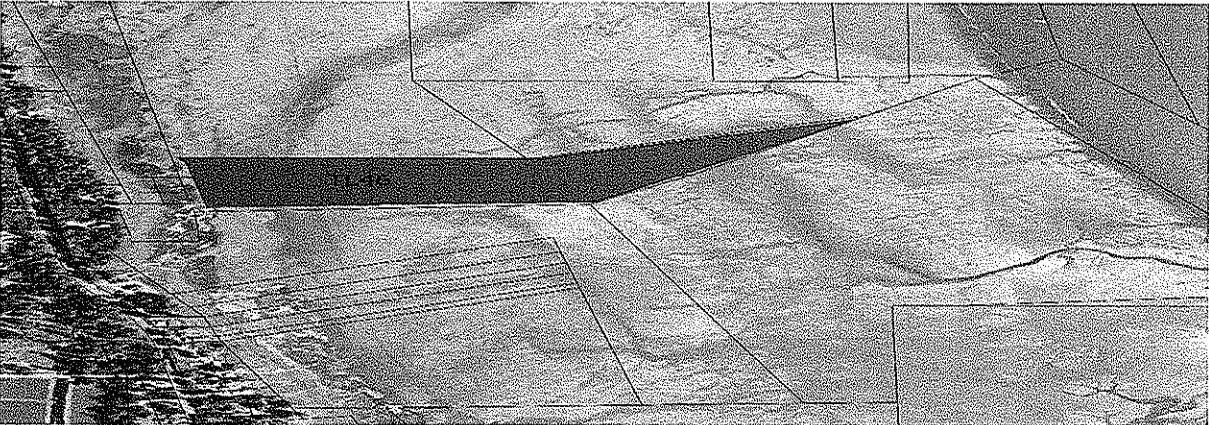


Figure 2. Parcel 11111055046



Figure 3. Parcels 79005000126, 79005001078, 79005010078.

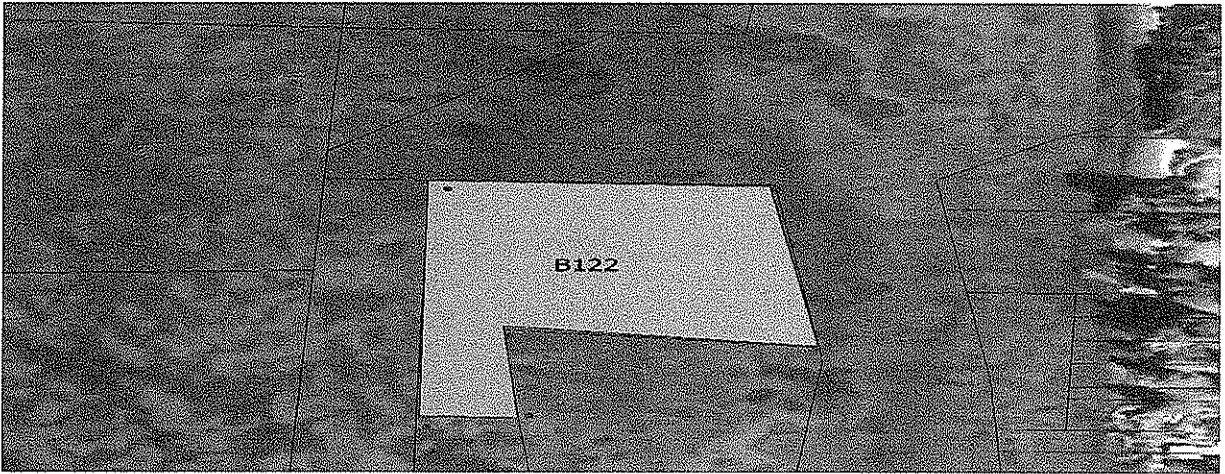


Figure 4. Parcel 79001000122.



Figure 5. Parcel 790050032231.

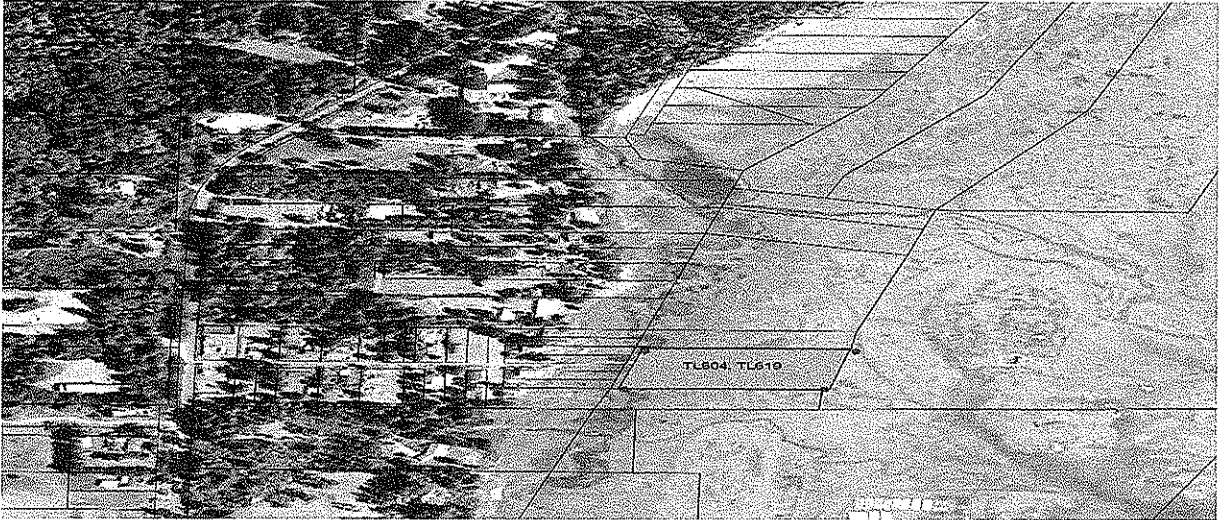


Figure 6. Parcels 12112255604, 12112255619.

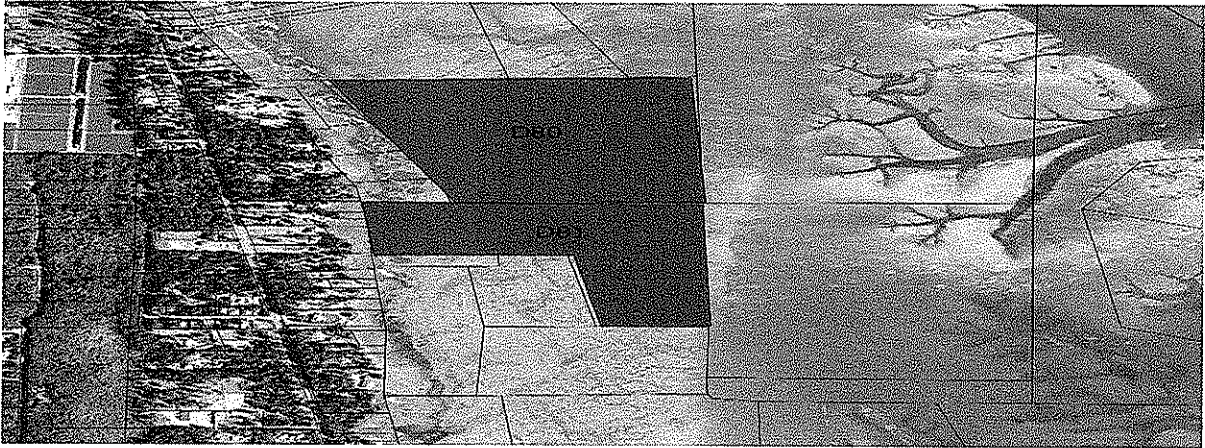


Figure 7. Parcels 79004000080, 79004004081

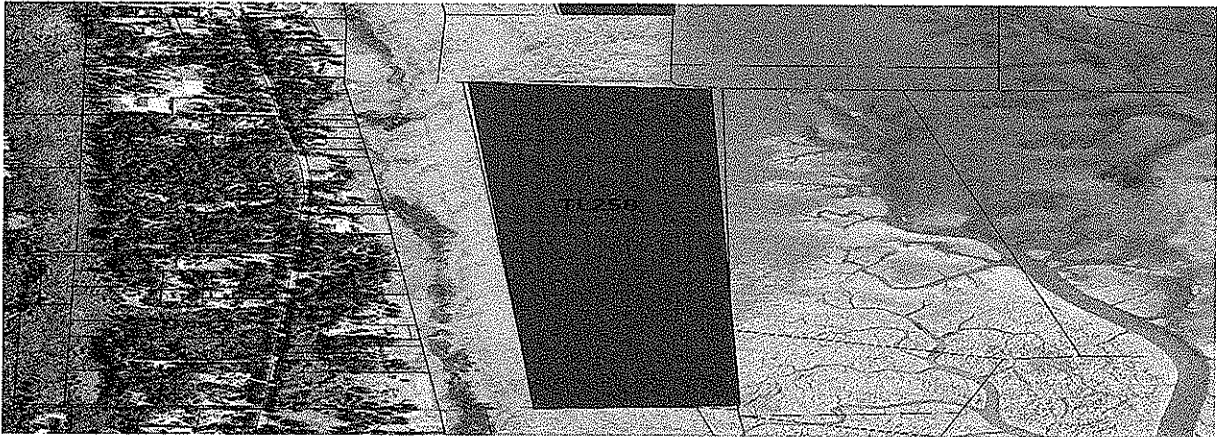
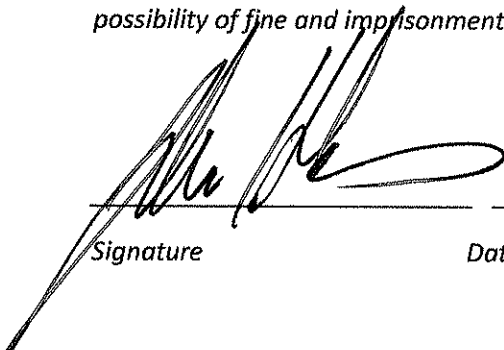



Figure 8. Parcel 111225258.

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 Pretreatment Plan 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