





## Port Susan Marine Stewardship Area Conservation Action Plan (2012) Progress Tracker - Shellfish

Last updated 8/15/2023

Progress Legend			
Color coding for each action:			
Needs refinement/consider relevance	No progress made; needs attention	Some progress made; not meeting targeted goals	Progress is on-track or complete

Conservation Target 5: Shellfish. This conservation target represents a whole ecological community that includes several species of clams, mussels, and sand shrimp. They act as filter feeders in the intertidal and subtidal habitats helping to maintain water quality and sequester nitrogen.					
Objective	Strategic Action	2012 Opportunity Rank	Opportunities to Support Progress	Actions Completed To-Date	Action Metrics (if applicable)
<b>Objective 1:</b> Improve health of eastern soft shell clam and sand shrimp populations.	<b>Strategic Action 1:</b> Develop and institutionalize a Co-management Plan for Eastern soft shell clams and local data.	None	Seek updates from <a href="#">Tulalip Tribes</a> regarding eastern soft shell population surveys  Consider recontextualizing with human wellbeing, connections with water quality		
	<b>Strategic Action 2:</b> Develop and institutionalize a Co-management Plan for sand shrimp.	None	Consider recontextualizing with human wellbeing, connections with water quality		
<b>Objective 2:</b> Maintain homeostatic pH levels in Port Susan in perpetuity.	<b>Strategic Action 1:</b> Develop and implement an early warning pH monitoring system to trigger action when TBD threshold is reached.	None	Follow up with <a href="#">Stillaguamish Tribe</a> on the Hydro Lab water quality buoy and any progress made on real-time monitoring  <u>Project to track:</u> Snohomish MRC is considering real-time monitoring  Consider recontextualizing this strategy with other factors (temp, water quality, etc.) and food web linkages. Redefine objective for pH monitoring and actions that would be triggered if pH threshold reached.		pH levels in Port Susan.
<b>Objective 3:</b> Eradicate <i>Spartina</i> in Port Susan.	<b>Strategic Action 1:</b> Snohomish and Island County Noxious Weed Control Boards, The Nature Conservancy, Stillaguamish Tribe, and	Very high	Seek updates from <a href="#">Stillaguamish Watershed Council</a> regarding	Stillaguamish Chinook Salmon Recovery Plan <i>Spartina</i> Target from 2013 is "Maintain current density range	Area of <i>Spartina</i> infestation in Port Susan. Also consider using <a href="#">eelgrass mapper</a>

	WSU Snohomish County Extension coordinate to continue the monitoring and treatment of <i>Spartina</i> .		monitoring efforts and partner coordination	(0.4-2.56 solid acres). Total Eradication was not deemed feasible at that time.	
<i>Conservation Target Summary: Embedded invertebrates</i>					
	More progress is needed! Only 1 of 4 strategic actions are underway and a key action related to water quality and shellfish survival hasn't made any progress.				

<b>Progress icons indicating Conservation Target status:</b>
 On track; meeting or exceeding expected progress on objectives and actions
 Room for improvement; some progress made but more needed
 Little to no progress made; work to do in next 10 years

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