

## Draft Proposed Revisions to Local Near-Term Actions for 2014/2015 Action Agenda Update

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
<b>A</b>	<b>1</b>	<b>Focus land development away from ecologically important and sensitive areas</b>				
<b>A</b>	1.1	Identify and prioritize areas for protection, restoration, and best suitable for (low impact) development. <u>WSWC1<sup>1</sup></u>	<b>West Sound inventory of transportation infrastructure projects.</b> <del>By January 2013,</del> The West Sound Watersheds Council and West Sound LIO will develop a process for the review of transportation infrastructure projects that addresses environmental impacts and key fish passage barriers.	<ul style="list-style-type: none"> <li>By January 2015, identify process for the review of transportation infrastructure projects that addresses environmental impacts and key fish passage barriers by January 2013.</li> </ul>	West Sound Watersheds Council-LIO (reporter)	West Sound LIO
<b>A</b>	1.2	<u>Support local governments to adopt and implement plans, regulations, and policies consistent with protection and recovery targets, and incorporate climate change forecasts.</u> <u>STRT1</u>	<b>Assess vulnerabilities of local communities, tribes, and natural resources to the effects of climate change and concurrent human population increases.</b> <ul style="list-style-type: none"> <li>Identify adaptive mechanisms for consideration and possible incorporation into the next updates of Growth Management Act comprehensive plans and other local regulatory and planning processes and documents by the five local jurisdictions and other organizations.</li> <li>Assess the vulnerabilities of the five local jurisdictions and four tribes' usual and accustomed areas to the effects of climate change and concurrent increases in human population on land use, infrastructure, and natural resources. Identify specific adaptive mechanisms (i.e., policies, regulations, programs, and plans) for consideration and possible incorporation into the next updates of Growth Management Act comprehensive plans and other local regulatory and planning processes and documents by five local jurisdictions and other organizations.</li> </ul>	<ul style="list-style-type: none"> <li>By December 2016, the Climate Adaptation Plan will be presented to six local municipalities, planning commissions, public utility districts, watershed planning organizations and community development departments in Jefferson and Clallam Counties during the comprehensive plan update process.</li> </ul>	North Olympic Peninsula Resource Conservation and Development Council	Local 2020 Climate Action Group; Olympic Climate Action Group
<b>A</b>	1.3	<u>Improve, strengthen, and streamline implementation and enforcement of laws,</u> <u>SNST1</u>	<b>Improve regulatory effectiveness.</b> Compile and evaluate results from existing studies and those currently being completed on the effectiveness of existing federal, state, and local regulations to	<ul style="list-style-type: none"> <li>By September 2014, compile studies including Tribal Treaty Rights at Risk White Paper, Tulalip Regulatory Analysis,</li> </ul>	LIO (reporter)	Tulalip Tribes, Snoqualmie Tribe, King County,

<sup>1</sup> NTA updated. All West Central NTAs recoded using "WC."

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	<u>plans, regulations, and permits consistent with protection and recovery targets.</u>		<u>protect habitat. Facilitate discussions and building trust among elected officials. Develop strategies to address common issues that are identified.</u>	<p><u>Stillaguamish Regulatory Analysis, King County Critical Areas Ordinance Effectiveness Study, Snohomish County Critical Areas Regulations Review.</u></p> <ul style="list-style-type: none"> <li>• <u>By October 2014, synthesize results based on common issues identified and highlighted as most important.</u></li> <li>• <u>By November 2014, establish LIO subcommittee consisting of stakeholders to develop a series of recommendations.</u></li> <li>• <u>By November 2015, implement recommended actions, including enforcement.</u></li> </ul>		<u>Snohomish County</u>
<b>A</b>	<b>1.4</b>	<b>Ensure full, effective compensatory mitigation for impacts that cannot be avoided.</b>	<b>HC<sup>2</sup></b>	<b>HCCC In Lieu Fee Mitigation. HCCC, in coordination with the US Navy and other partners, will implement the In Lieu Fee (ILF) Mitigation Program. HCCC, working with its partners in this process will be in position to implement high priority actions from the ILF for 2013 and beyond.</b>	<b>HCCC</b>	<b>US Navy</b>
<b>A</b>	<b>2</b>	<b>Protect and restore upland, freshwater, and riparian ecosystems</b>				
<b>A</b>	<b>2.1</b>	<u>Protect and conserve ecologically important lands at risk of conversion.</u>	<u>SC2</u>	<u>Identify and protect high-value salmon recovery habitat and lands at immediate risk of conversion. Secure funding to acquire high-priority, high-threat land as identified in salmon recovery plans and seek funding to secure property.</u>	<ul style="list-style-type: none"> <li>• <u>By December 2015, secure funding for acquiring land and protecting the following high-priority, high-threat areas in each WRIA.</u></li> </ul> <p><u>WRIA 8: \$7,950,000:</u></p> <ul style="list-style-type: none"> <li>○ <u>Middle Cedar River: 70 acres of floodplain.</u></li> <li>○ <u>Issaquah Creek: 125 acres of floodplain and riparian</u></li> </ul>	<u>LIO (reporter)</u>

<sup>2</sup> NTA updated and realigned with A2.2.

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A	2.1	Protect and conserve	SC14	Retain forest canopy cover and soils to attenuate	<ul style="list-style-type: none"> <li>○ <u>area.</u></li> <li>○ <u>Bear Creek: 150 acres of riparian areas, wetlands, and forested uplands.</u></li> <li><u>WRIA 9: \$18,600,000:</u></li> <li>○ <u>Lower Green River: 273 acres of floodplain and riparian area.</u></li> <li>○ <u>Middle Green River tributary streams: 230+ acres of floodplain and riparian area.</u></li> <li>○ <u>Marine Nearshore (Vashon-Maury Island): 5 acres of nearshore habitat and riparian area.</u></li> <li>○ <u>Duwamish River: 15 acres of floodplain, wetland and riparian area.</u></li> <li><u>WRIA 10: \$6,600,000:</u></li> <li>○ <u>Puyallup River main stem: 130 acres of upland, floodplain, and riparian area.</u></li> <li>○ <u>Carbon River canyon area: 500 acres of forested upland and riparian area.</u></li> <li>○ <u>Carbon River main stem: 25+ acres of floodplain and riparian area.</u></li> <li>○ <u>South Prairie Creek: 60 acres of riparian area and floodplain.</u></li> <li>● <u>Beginning in March 2014, and semi-annually thereafter, WRIAs will report to LIO on the list of high-priority, high-threat land acquisitions as identified in salmon recovery plans.</u></li> </ul>
					<ul style="list-style-type: none"> <li>● <u>By December 2015, WSU will LIO (reporter)</u></li> </ul>

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	<u>ecologically important lands at risk of conversion.</u>	<u>stormwater runoff.</u> <ul style="list-style-type: none"> <li>● <u>Promote programs that support retention and increase in forest canopy cover on private and public lands, especially those in priority and sensitive areas.</u></li> <li>● <u>Identify and implement watershed revegetation in the Swan Creek Watershed through the Pierce County Raise the Grade initiative.</u></li> </ul>	<u>hold workshops on coached forest management planning.</u> <ul style="list-style-type: none"> <li>● <u>By January 2015, King Conservation District will implement at least two Forest Health Management Plans with technical and cost-share assistance.</u></li> <li>● <u>By December 2015, King Conservation District will seek to secure funding for urban canopy assessment and management plan development for at least one local jurisdiction.</u></li> <li>● <u>By December 2015, WRIA 8 will:</u> <ul style="list-style-type: none"> <li>○ <u>Implement Trees for Streams Program to protect and restore riparian area canopy cover and streamside vegetation in high-priority sub-basins (Cedar River, Bear Creek, and Issaquah Creek).</u></li> <li>○ <u>Conduct three workshops for property owners to promote riparian area stewardship.</u></li> <li>○ <u>Provide technical assistance to at least 30 property owners to develop planting plans and support plantings.</u></li> <li>○ <u>By December 2015, Pierce County Conservation District will implement at least two community planting events in the Swan Creek Watershed.</u></li> <li>○ <u>By third quarter 2014 and 2015, owners will conduct</u></li> </ul> </li> </ul>		

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			two workshops for property owners with livestock to protect and enhance riparian functions.		
A	2.1 <u>Protect and conserve ecologically important lands at risk of conversion.</u>	WC14 <u>Kitsap Forest &amp; Bay Divide Property acquisition.</u> The West Central LIO, along with Great Peninsula Conservancy and other partners, will seek and secure funding to complete acquisition of the Kitsap Forest & Bay Divide Property, part of a larger effort to protect over 7,000 acres of forest and wetland habitat in north Kitsap County.	<ul style="list-style-type: none"> <li>By June 2016, secure funding for acquisition.</li> </ul>	Great Peninsula Conservancy	LIO (reporter)
A	2.2 Implement and maintain priority freshwater and terrestrial restoration projects.	WSWC12 <sup>3</sup> <u>West Sound Priority Watersheds for Protection.</u> By February 2015, the Suquamish Tribe will develop a detailed protection and restoration plan for the upper Chico Creek watershed. By December 2015, the Tribe will seek funding to undertake similar work for the high priority, refugia Curley and Blackjack Creek watersheds.	<ul style="list-style-type: none"> <li>By February 2015, protection and restoration plan for the Upper Chico Creek watershed.</li> <li>By December 2015, funding in place for plans for Curley and Blackjack Creek watersheds.</li> </ul>	Suquamish Tribe	
A	2.2 <u>Implement and maintain priority freshwater and terrestrial restoration projects.</u>	WH4 <u>Padden Creek enhancements—24th to 30th Streets.</u> This freshwater project greatly improves existing habitat conditions for the section of Padden Creek that is immediately upstream of the newly daylighted tunnel. This site is now accessible to salmonid species. The project will increase the diversity and amount of fish habitat available by reconnecting Padden Creek to its floodplain, adding log jams, boulders and pools in an urban environment. Steps include completing design, obtaining permits, constructing, planting the site, maintaining plantings, and monitoring site evolution.	<ul style="list-style-type: none"> <li>By November 2015, complete design.</li> <li>By January 2016, complete bid specifications and permit applications.</li> <li>By December 2016, complete construction.</li> <li>By January 2017, complete planting.</li> </ul>	City of Bellingham	
A	2.2 <u>Implement and maintain priority freshwater and terrestrial restoration projects.</u>	WH5 <u>WRIA 1 culvert inventory maintenance.</u> Whatcom County completed an inventory of culverts in WRIA 1 in 2005. The document may need to be updated to reflect culverts replaced or repaired and inventories recently completed by WDFW. Completing designs for priority fish passage barriers would enable those barriers to be “shovel-ready”	<ul style="list-style-type: none"> <li>By December 2014, WDFW in collaboration with partners prepare an addendum to 2005 WRIA 1 Culvert Inventory (milestone).</li> <li>By December 2015, Sponsors prepare designs to fix up to</li> </ul>	To be determined	USFS, WCPW, NSEA, WDFW

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			<u>when funding becomes available to implement projects.</u>	<u>three priority fish passage barriers (output).</u>		
<b>A</b>	2.2 <u>Implement and maintain priority freshwater and terrestrial restoration projects.</u>	SNST4	<p><b>Local habitat protection and restoration.</b>  <u>Implement effective habitat protection strategies that have been identified in local plans, recommended by stakeholders, and approved by plan sponsors. Examples include the following.</u></p> <ul style="list-style-type: none"> <li>• <u>Acquisition by the City of Snohomish of 20 acres at the confluence of the Snohomish and Pilchuck River.</u></li> <li>• <u>Protection strategies identified in the Snohomish Basin Protection Plan and the Port Susan Marine Stewardship Area Conservation Action Plan.</u></li> <li>• <u>Promote the Conservation Reserve Enhancement Program and the Snohomish Conservation District’s “Free Trees Program”.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>During 2014–2015, identify priority protection actions that can be implemented.</u></li> <li>• <u>By December 2015, establish conservation easements of unarmored shoreline parcels in Port Susan.</u></li> <li>• <u>By December 2015, City of Snohomish will acquire 20 acres at confluence of Snohomish and Pilchuck Rivers.</u></li> <li>• <u>During 2014–2016, acquire parcels in the Stillaguamish Basin to advance habitat protection 10- and 50-year salmon recovery targets.</u></li> <li>• <u>By December 2015, increase participation in Conservation Reserve Enhancement Program and explore other financial incentive programs.</u></li> <li>• <u>By December 2015, implement a pilot free trees program to increase tree cover within both the Snohomish and Stillaguamish watersheds.</u></li> </ul>	LIO	City of Snohomish, Snohomish County, Snohomish Conservation District, Forterra, The Nature Conservancy, King County
<b>A</b>	2.2 <u>Implement and maintain priority freshwater and terrestrial restoration projects.</u>	HC2	<p><b>HCCC in lieu fee mitigation.</b> <u>The HCCC established an In Lieu Fee Mitigation Program and will continue to manage it to provide mitigation for unavoidable adverse impacts from development projects within the program’s service area. Specific mitigation projects and progress of the program will be reported as part of the 2016 Action Agenda.</u></p>	<ul style="list-style-type: none"> <li>• <u>Ongoing through spring 2016, HCCC (LIO) will continue to work with local jurisdictions for the implementation of the In Lieu Fee Mitigation Program as a mitigation alternative for project applicants. HCCC staff will meet with county staff at least once per year to review the implementation of the program within each local</u></li> </ul>	LIO (reporter)	

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			<p>jurisdiction.</p> <ul style="list-style-type: none"> <li>● <u>Ongoing through spring 2016, HCCC will strive to implement mitigation projects within the 3-year post-credit sale timeframe. Project implementation could include one marine project and one freshwater wetland project.</u></li> <li>● <u>Ongoing through spring 2016, HCCC will continue to work with watershed partners to identify potential receiving areas and place acceptable sites on a roster of potential mitigation receiving areas. HCCC will target two receiving areas per service area for a total of eight.</u></li> </ul>		
<b>A</b>	2.2 <u>Implement and maintain priority freshwater and terrestrial restoration projects.</u>	WC15 <u>Springbrook Creek fish passage enhancement and water quality retrofit.</u> The City of Bainbridge Island will seek funding to complete study and design for a watershed scale project that would ultimately replace two stream crossing culverts to improve fish passage; eliminate stream bank erosion through habitat enhancement; and reduce pollutants from road runoff by adding water quality retrofits, including addressing fecal coliform sources upstream of an important shellfish growing area and eliminating impound ponds.	<ul style="list-style-type: none"> <li>● <u>By June 30, 2014, complete project study and design.</u></li> <li>● <u>By June 30, 2015, secure funds and begin project construction.</u></li> </ul>	City of Bainbridge Island	
<b>A</b>	2.2 <u>Implement and maintain priority freshwater and terrestrial restoration projects.</u>	WC16 <u>Duwe'iq stormwater treatment wetland and stream restoration.</u> Kitsap County Surface and Stormwater Management will complete construction of the Duwe'iq Stormwater Treatment Wetland and Stream Restoration project, which will reduce fecal coliform and other stormwater pollutants from 30 acres of commercial runoff into Clear Creek, improve stream habitat, advance public education about stormwater via Clear Creek Trail access, and increase green space in the urban Silverdale corridor.	<ul style="list-style-type: none"> <li>● <u>By January 2016, complete Phase 2: 60/90/Final Design Plan, Specifications and Estimates.</u></li> <li>● <u>By June 2016, complete construction.</u></li> <li>● <u>Public education signage installed.</u></li> <li>● <u>Provide a higher level of water quality treatment of 30 acres of commercial runoff post-project.</u></li> </ul>	Kitsap County Surface and Stormwater Management	

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				<ul style="list-style-type: none"> <li>• A statistically significant <u>improving trend of fecal coliform during the wet season at the northern Dyes Inlet marine stations.</u></li> <li>• <u>Increased public green space along the Clear Creek Trail.</u></li> </ul>		
A	2.2	Implement and maintain priority freshwater and terrestrial restoration projects.	WC17	<p><b>Clear Creek floodplain restoration.</b> With an ultimate goal of freshwater habitat restoration and enhancement, Kitsap County Surface and Stormwater Management will complete a project to <u>construct floodplain, restore stream habitat, remove road, enhance trails, reduce downstream flooding, and advance public education about floodplains/wetlands/stormwater in Clear Creek.</u> This includes:</p> <ul style="list-style-type: none"> <li>• <u>Completion of restoration design.</u></li> <li>• <u>Completion of project permitting.</u></li> <li>• <u>Completion of project construction.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>By December 31, 2016, completion of project design and permitting.</u></li> <li>• <u>By December 31, 2017, completion of project construction.</u></li> <li>• <u>By December 31, 2017, 8.2 acres of floodplain constructed.</u></li> <li>• <u>By December 31, 2017, 2,120 feet of stream habitat improved.</u></li> </ul>	Kitsap County Surface and Stormwater Management
A	3	<b>Protect and Steward Ecologically Sensitive Rural and Resource Lands</b>				
A	4	<b>Encourage compact regional growth patterns and create dense, attractive and mixed-use and transit-oriented communities</b>				
A	4.2	Provide infrastructure and incentives to accommodate new development and re-development within urban growth areas.	SC13	<p><b>Complete Regional Alliances Project and share results to increase infill development in urban centers while meeting stormwater requirements and Growth Management Act mandates.</b> Through the Regional Alliance Project,</p> <ul style="list-style-type: none"> <li>• <u>Develop recommendations for incentives and cost-effective tools to meet stormwater management and Growth Management Act requirements for development in urban areas in order to encourage infill development in urban centers instead of greenfield locations and to improve water quality.</u></li> <li>• <u>Develop recommendations related to comprehensive plan policy and development regulations to inform 2015 updates.</u></li> <li>• <u>Other actions may be identified.</u></li> </ul> <p>Key partner in these efforts: Commerce</p>	<ul style="list-style-type: none"> <li>• <u>By February 2015, develop a formal report on agreed next steps to Puget Sound Regional Council Growth Management Policy Board.</u></li> <li>• <u>By March 2015, present a final report to the PSP ECB.</u></li> </ul>	LIO (reporter)
A	5	<b>Protect and restore floodplain function</b>				

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A	5.2	<u>Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts.</u>	SNST7	<p><b>Floodplain management for farm-fish-flood.</b>  <u>Snohomish County, together with project partners, will complete the development of reach-scale plans for the Sustainable Lands Strategy project and begin the implementation of those plans.</u></p> <ul style="list-style-type: none"> <li>• <u>Continue development of Farm-Fish-Flood Coordination efforts led by King County.</u></li> <li>• <u>Utilize synergies between local and state agencies to coordinate and leverage efforts that deal with farm-fish-flood issues, such as Floodplains by Design.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>By July 2014, complete Sustainable Lands Strategy reach-scale plans for four individual reaches (lower Snohomish River, Snohomish River estuary, Stillaguamish River estuary and mainstem, and Lower Skykomish River).</u></li> <li>• <u>By December 2014, complete a countywide plan and strategy for implementing reach-scale plans.</u></li> <li>• <u>By December 2015, complete the design and construction of two high priority projects listed in the plans.</u></li> <li>• <u>By December 2015, secure funding to help support a cost-share program for farm pads or elevated farm structures.</u></li> </ul>	Snohomish County	Snohomish Conservation District, King County, KCD, The Nature Conservancy
A	5.2	<u>Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts.</u>	SC5	<p><b>Improve floodplains management by creating partnerships of interested parties (especially local governments and business community).</b></p> <ul style="list-style-type: none"> <li>• <u>Work with federal and state agencies to address and resolve conflicts between regulations that are a barrier to completing multi-benefit projects.</u></li> <li>• <u>Over the next 2 years, support King County's effort to lead the advisory council or stakeholder group of the Green River System-Wide Improvement Framework in developing integrated priorities for levee improvements that meet safety, economic development, and habitat objectives and that bridge conflicts in federal regulations.</u></li> <li>• <u>Over the next 2 years, support the Russell Foundation's work with WRIA 10 to complete a Watershed Open Space Strategy. The process will focus on development of a regional strategy by aligning with current ecological management efforts in the watershed to promote inter-organizational collaboration and action.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>By December 2015, the Green River System-Wide Improvement Framework will make substantial progress in developing priorities for levee improvements.</u></li> <li>• <u>In 2014, the King County Flood District will submit a report to the LIO that identifies what constitutes substantial progress toward completion of major floodplain restoration projects.</u></li> <li>• <u>By December 2015, brief the PSP Leadership Council and ECB and the state legislature on quantifiable benefits of floodplain management.</u></li> <li>• <u>By June 2015, compile the percentage of local</u></li> </ul>	LIO (reporter)	Key partners for these efforts: PSP, Ecology, WDFW, MIT, Corps, NOAA, and FEMA." to the secondary owners.

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			<ul style="list-style-type: none"> <li>● <u>Share information among local governments on successful approaches to meeting requirements of the FEMA Biological Opinion.</u></li> <li>● <u>Participate in forums to address conflicts between agriculture, flood hazard reduction projects, and habitat restoration projects in the floodplain.</u></li> <li>● <u>Advocate for state to improve alignment and coordination between minimum requirements for local flood hazard reduction plans, comprehensive plans under the Growth Management Act, and minimum requirements for regulation of Frequently Flooded Areas.</u></li> <li>● <u>Implement major floodplain protection and restoration projects in King and Pierce Counties funded under state 2013 Capital Improvement Plan appropriation for Coordinated Investment Strategy, including Carlin Project and Lower Cedar River Integrated Floodplain Restoration Project in King County and the Green and White rivers in Pierce County.</u></li> <li>● <u>Continue to identify, implement, and publicize floodplain restoration projects, including the Needham Road Setback Levee Project and Calistoga Reach Setback Levee and Side Channel Construction Project that provide multiple benefits, including public safety, salmon habitat enhancement, open space, and recreation.</u></li> <li>● <u>Demonstrate quantifiable benefits of major floodplain restoration projects to salmon recovery, flood resilience, water quality, and agriculture and help make the case for ongoing investments of state funding in multi-objective flood hazard reduction projects. Work with King County, Corps, and other partners to identify alternatives to the existing policies on levee vegetation.</u></li> </ul>	<p>jurisdictions with significant floodplain area that comply with the FEMA Biological Opinion.</p> <ul style="list-style-type: none"> <li>● <u>By September 2014, King County will develop concept, strategy, and candidate projects for 2014 legislative session and report to LIO.</u></li> <li>● <u>By December 2015, King and Pierce County will report on progress in implementing major floodplain protection and restoration projects in King and Pierce Counties.</u></li> </ul>		
A	5.4	Implement and maintain priority floodplain restoration projects.	WH8 <b>Marietta Acquisition.</b> <u>Acquire properties in repetitive flood loss area to prevent future loss and to enhance upstream habitat restoration opportunities. Clean up three former gas stations sites as dictated by site conditions.</u>	<ul style="list-style-type: none"> <li>● <u>By December 2015, complete ESRP acquisitions.</u></li> <li>● <u>By December 2015, complete additional acquisitions.</u></li> <li>● <u>By December 2015, assess</u></li> </ul>	Whatcom County	

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			and remediate former gas station sites.			
<b>A</b>	<b>6</b>	<b>Protect and recover salmon</b>				
<b>A</b>	6.1	Align policies, regulations, <u>WH1</u> planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts.	<p><b>Implement Chinook restoration projects in the WRIA 1 Salmon Recovery 3-Year Work Plan.</b> The preparation and updating of the 3-year work plan is an element of salmon recovery and is a regional requirement for lead entities, occurring annually. The local recovery plan and restoration strategies are the foundation for the updates, and reflect local restoration strategies and priorities.</p>	<ul style="list-style-type: none"> <li>By January 2016, WRIA 1 Sponsors prepare designs for up to six priority chinook projects in the Nooksack River Forks.</li> <li>By January 2016, WRIA 1 Sponsors complete up to five instream projects in the Nooksack River Forks that create up to 20 primary pools and 4 miles of channel and off-channel habitat.</li> <li>By January 2016, WRIA 1 Sponsors acquire up to 100 acres of priority habitat for protection and/or restoration in the Nooksack River Forks.</li> <li>By January 2016, WRIA 1 Sponsors submit up to six applications for project funding.</li> </ul>	WRIA 1 Salmon Recovery Board (Lead Entity)	Nooksack Tribe, Lummi Nation, Whatcom County, Whatcom Land Trust, NSEA, WCD, City of Bellingham, WDFW, USFS, and others are supporting partners
<b>A</b>	6.1	Implement high priority projects identified in each salmon recovery 3-year work plan. <u>ISL6</u>	<b>Restore tidal inundation.</b> Island County will restore tidal inundation to one or more isolated pocket estuaries or tidal wetlands. The project selected will address either poor design or malfunctioning tidegates to improve habitat for juvenile salmon.	<ul style="list-style-type: none"> <li>By December 2014, reconnect one tidal wetland or pocket estuary to tidal influence.</li> <li>By December 2014, secure funding to monitor habitat changes and/or juvenile salmon for restoration project to monitor improvements.</li> <li>By July 2014, develop a prioritization of blockages, failing culverts, flood risks, etc. Prioritization report to include ecosystem benefits for each project.</li> </ul>	WRIA 6 Lead Entity	
<b>A</b>	6.1	Implement high priority projects identified in each salmon recovery 3-year <u>SNST13</u>	<b>Salmon/multi-species recovery plans.</b> Support priority projects as specified in the salmon recovery plan, salmon recovery 3-year work plans, and	<ul style="list-style-type: none"> <li>By December 2014, identify top habitat restoration projects that are ready to go</li> </ul>	Stillaguamish Lead Entity and Snohomish	Snohomish County, Stillaguamish

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>work plan.</u>	<u>basin’s 10- and 50-year salmon recovery goals.</u> <ul style="list-style-type: none"> <li>● <u>Identify and implement one to three top priority habitat restoration projects in each basin.</u></li> <li>● <u>Establish the baseline condition of key habitats such as forest cover, wetlands, riparian areas, floodplains, nearshore, and assess trends and rate of change. Use analysis to predict future anticipated gains/losses based on population and build out trajectories as well as evaluating current restoration and protection benchmarks.</u></li> </ul>	<u>in the next 2 years.</u> <ul style="list-style-type: none"> <li>● <u>In 2015, obtain funding for projects.</u></li> <li>● <u>During 2014–2016, obtain permitting for projects.</u></li> <li>● <u>During 2014–2016, projects are installed/ implemented successfully.</u></li> <li>● <u>During 2014–2016, evaluate progress toward meeting Basin’s 10 and 50-year salmon plan recovery goals.</u></li> <li>● <u>In 2014, use existing land cover change analyses such as WDFW’s High Resolution Change Detection Project for baseline assessment. (King County)</u></li> <li>● <u>In 2015, project rate of conversion and habitat loss.</u></li> </ul>	<u>Lead Entity</u>	<u>Watershed Council, Snohomish Basin Salmon Recovery Forum, King County, Snoqualmie Valley cities</u>
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	SC3 <b><u>Implement high-priority projects listed in local salmon recovery plans.</u></b> Secure funding for high-priority projects listed in the salmon recovery 3-year work plans for WRIs 8, 9, and 10.	<ul style="list-style-type: none"> <li>● <u>By December 2015, secure funding for implementation of high-priority restoration actions in each watershed.</u>  <u>WRIA 8: \$16,690,000 for habitat restoration and \$50,000,000 for infrastructure improvements, including fish passage facilities at Hiram H. Chittenden (a.k.a. Ballard) Locks.</u> <ul style="list-style-type: none"> <li>○ <u>Lower Cedar River: 77 acres of riparian and floodplain restoration.</u></li> <li>○ <u>South Lake Washington: 750 linear feet of lakeshore restoration and 1,500 linear feet of tributary stream restoration.</u></li> <li>○ <u>Hiram H. Chittenden Locks: Corp’s list of prioritized</u></li> </ul> </li> </ul>	<u>LIO (reporter)</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<p><u>infrastructure improvements, including critical fish passage facilities as secured funding from headquarters.</u></p> <ul style="list-style-type: none"> <li>○ <u>Issaquah Creek: 1,800 linear feet of stream channel restoration and 155 acres riparian area restoration.</u></li> <li>○ <u>Bear Creek: 370 linear feet of stream channel restoration and 2.3 acres riparian restoration.</u></li> <li>○ <u>Sammamish River: 5,500 feet of stream channel restoration and 85 acres of floodplain and riparian restoration.</u></li> <li>○ <u>Marine Nearshore: 1,750 linear feet of coastal tributary stream channel restoration and 28 acres of salt marsh restoration.</u></li> </ul> <p><u>WRIA 9: \$16,035,000.</u></p> <ul style="list-style-type: none"> <li>○ <u>Lower Green River: 31+ acres floodplain restoration.</u></li> <li>○ <u>Duwamish River: 1 acre of shallow water habitat and 2 acres of riparian restoration.</u></li> <li>○ <u>Marine Nearshore: remove 4,400 linear feet of shoreline armoring, revegetate 3.2 acres of shoreline with native plants, and restore 550 feet of linear stream channel.</u></li> <li>○ <u>Middle Green River: 14+ acres floodplain and riparian area.</u></li> </ul>		

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>WRIA 10: \$80,000,000.               <ul style="list-style-type: none"> <li>○ <u>Upper White River forest road decommissioning and flood plain restoration: about 100 miles of forest road.</u></li> <li>○ <u>South Prairie Creek floodplain reconnection and habitat restoration: 300 acres.</u></li> <li>○ <u>Replace dam and build new fish collection facilities at Buckley Fish Trap.</u></li> <li>○ <u>Alward Road Levee Setback: Acquisition Phase: 142 acres.</u></li> <li>○ <u>Puyallup Estuary Acquisition at Union Pacific: 30 acres.</u></li> </ul> </li> <li>● <u>By June 2014, WRIAs will report to LIO on status of implementation of high-priority habitat protection and restoration in salmon recovery plans.</u></li> </ul>		
A	6.1	<p>Implement high priority projects identified in each watershed's three year work plan.</p> <p>SJI 9<sup>4</sup></p>	<p>San Juan County Lead Entity. San Juan County Lead Entity for Salmon Recovery will target funding to highest Tier I salmon recovery projects between 2012-2014, as listed in the San Juan Salmon Recovery three year work plan for WRIA 2. Projects include acquisition and conservation easements, protection and restoration actions</p>	<ul style="list-style-type: none"> <li>● <u>To be determined</u></li> </ul>	<p>SJC Lead Entity for Salmon Recovery</p>
A	6.1	<p>Implement high priority projects identified in each salmon recovery 3-year work plan.</p> <p>SJI10</p>	<p><b><u>Salmon recovery, habitat protection and restoration (Near Term Shoreline Action II).</u></b></p>	<ul style="list-style-type: none"> <li>● <u>Between 2014 and 2016, target funding to highest priority salmon recovery projects, as listed in the San Juan Salmon Recovery three-year work plan for WRIA 2.</u></li> </ul>	<p>San Juan County Lead Entity for Salmon Recovery</p> <p>Green Shores for Homes, Friends of the San Juans</p>

<sup>4</sup> NTA revised, see A6.1 SJI10.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
			<p>Projects include acquisition and conservation easements, and protection and restoration actions.</p> <ul style="list-style-type: none"> <li>Identify landowners who are willing and restore shorelines and habitats affected by armoring.</li> <li>Between 2014 and 2016, engage six shoreline landowners.</li> <li>By 2016, commence shoreline restoration on four properties.</li> </ul>			
A	6.1	Implement high priority projects identified in each salmon recovery watershed's three year work plan.	STRT-1 <sup>5</sup>	<p>Elwha River Ecosystem Recovery. Implement Elwha River Ecosystem Recovery Efforts and associated projects</p> <p>a. Stock preservation and weir operation  b. Monitoring (adults, juveniles, smolts)  c. Habitat restoration projects</p>	<ul style="list-style-type: none"> <li>Continuous weir operation and monitoring of salmonids (adults, juveniles, and smolts) on the Elwha River.</li> </ul>	Elwha Fish Committee
A	6.1	Implement high priority projects identified in each salmon recovery watershed's three year work plan.	STRT-2 <sup>6</sup>	<p>Straits-Salmon Recovery Plans: Implement N. Olympic Peninsula Lead Entity (NOPLE) for Salmon and Hood Canal Coordinating Councils Lead Entity (HCCC LE) 3 year Work Plans</p> <p>a. North Olympic Peninsula Lead Entity (NOPLE) 3-year Work Plan  b. NOPLE Elwha revegetation project  c. NOPLE Dungeness River floodplain restoration, Phase II  d. NOPLE Elwha Engineered Log Jams  e. Hood Canal Coordinating Council (HCCC) LE 3 year Work Plan  f. HCCC LE Snow Creek and Salmon Creek estuary restoration</p>	<ul style="list-style-type: none"> <li>Initiate or significantly advance all of the four specific Priority Actions identified by the Strait ERN for the Strait Action Area.</li> </ul>	North Olympic Peninsula Lead Entity, Hood Canal Lead Entity
A	6.1	Implement high priority projects identified in each salmon recovery	HC6	<p>Hood Canal Salmon Recovery. Hood Canal Coordinating Council Lead Entity for salmon recovery will continue to target funding to highest</p>	<ul style="list-style-type: none"> <li>To be determinedTo be determinedTo be determinedBy spring 2014,</li> </ul>	HCCC Lead Entity

<sup>5</sup> NTA split into multiple, individual project-based NTAs.

<sup>6</sup> NTA split into multiple, individual project-based NTAs.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
A	watershed's three-year work plan.	<p><del>Tier I salmon recovery projects, as listed in the Hood Canal Three Year Work Plan. Projects include acquisition, protection, and restoration actions.</del> <b>Hood Canal salmon recovery funding.</b> HCCC is both the Lead Entity for Chinook salmon and the regional recovery organization for Hood Canal and eastern Strait of Juan de Fuca summer chum. HCCC will develop a process for prioritizing acquisition, protection, and restoration actions and continue to target funding to the highest priority salmon recovery actions.</p>	<p>under direction of the Board, HCCC will complete salmon recovery prioritization to identify the list of actions in priority order for recovering summer chum, Skokomish Chinook, and Mid Hood Canal Chinook.</p> <ul style="list-style-type: none"> <li>• By 2015, HCCC will work with partners to develop a funding strategy for the 10 highest priority habitat/harvest/hatchery actions for salmon recovery and track and publish progress on funding of these projects through 2016.</li> <li>• By spring 2016, HCCC will work with partners to secure funding and/or develop feasibility studies for the top 10 priority projects.</li> <li>• By fall 2015, initial construction will be completed for the Skokomish Estuary floodplain project, selected for state funding under the floodplains by design, the Skokomish Tribe, Mason Conservation District, and Ecology.</li> <li>• By fall 2014, North Olympic Salmon Coalition will complete final design and begin initial construction of the Kilisut Harbor restoration project as funded by Puget Sound Acquisition and Restoration large capital request and Estuary and Salmon Restoration Program.</li> </ul>		
	6.1 Implement high priority projects identified in each	<p><del>WS-9</del> <b>West Sound SR3 Chico Creek culvert replacement.</b> <del>WC9</del> <del>West Sound SR3 Chico Creek culvert replacement.</del></p>	<ul style="list-style-type: none"> <li>• By December 2013-2015, funding strategy and schedule</li> </ul>	LIO (reporter)	WSDOT

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	salmon recovery watershed's three-year work plan.		By December 2013, the West Sound LIO, in coordination with Washington Department of Transportation, will develop a funding strategy and schedule for replacing the SR3 culvert with a bridge on Chico Creek. The WSDOT will develop a funding strategy and schedule for replacing the SR3 culvert with a bridge on Chico Creek. Chico is the most productive salmon stream in West Sound and a high priority watershed for protection and restoration, and replacing the culvert with a bridge will improve fish passage and restore estuarine functions.	completed.		
<b>A</b>	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	SS12	<b>Salmon recovery 3-year work plan implementation—WRIA 10/12.</b> Each lead entity will implement at least one top tier project each year from their South Sound Salmon Recovery 3-Year Work Plan. They will determine year one project and set up performance measures at the start of each fiscal year.	<ul style="list-style-type: none"> <li>By June 2016, target funding to the highest priority salmon recovery projects between 2014 and 2016, as listed in 3-year work plan for WRIA 10/12 Lead Entity. Projects may include acquisition, protection, and/or restoration actions.</li> </ul>	WRIA 10/12 Lead Entity	
<b>A</b>	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	SS13	<b>Salmon recovery 3-year work plan implementation—WRIA 13.</b> Each lead entity will implement at least one top tier project each year from their South Sound Salmon Recovery 3-Year Work Plan. They will determine year one project and set up performance measures at the start of each fiscal year.	<ul style="list-style-type: none"> <li>Between 2014 and 2016, target funding to the highest priority salmon recovery projects, as listed in 3-year work plan for WRIA 13. Projects may include acquisition, protection, and/or restoration actions.</li> </ul>	WRIA 13 Lead Entity	
<b>A</b>	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	SS14	<b>Salmon recovery 3-year work plan implementation—WRIA 14.</b> Each lead entity will implement at least one top tier project each year from their South Sound Salmon Recovery 3-Year Work Plan. They will determine year one project and set up performance measures at the start of each fiscal year.	<ul style="list-style-type: none"> <li>Between 2014 and 2016, target funding to the highest priority salmon recovery projects as listed in 3-year work plan for WRIA 14. Projects may include acquisition, protection, and/or restoration actions.</li> </ul>	WRIA 14 Lead Entity	
<b>A</b>	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	SS15	<b>Salmon recovery 3-year work plan implementation—WRIA 11.</b> Each lead entity will implement at least one top tier project each year from their South Sound Salmon Recovery 3-Year Work Plan. They will determine year one project and set up performance measures at the start of	<ul style="list-style-type: none"> <li>Complete acquisition of 250-acre McKenna Ranch property.</li> <li>Begin floodplain restoration of McKenna Ranch property.</li> </ul>	WRIA 11 Lead Entity	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<u>each fiscal year.</u>	<ul style="list-style-type: none"> <li>• <u>Complete analysis, including modeling, and restoration designs for lower Nisqually/upper Nisqually estuary restoration.</u></li> <li>• <u>Begin acquisition and restoration planning for Wilcox Reach.</u></li> </ul>		
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	SS16 <u>Salmon recovery 3-year work plan implementation—WRIA 15. Each lead entity will implement at least one high priority project each year from their South Sound Salmon Recovery 3-Year Work Plan. They will determine year one project and set up performance measures at the start of each fiscal year.</u>	<ul style="list-style-type: none"> <li>• <u>Between 2014 and 2016, target funding to the highest priority salmon recovery projects as listed in 3-year work plan in the West Sound Watersheds Lead Entity. Projects may include acquisition, protection, and/or restoration actions.</u></li> </ul>	West Sound Watersheds Lead Entity	
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	HC7 <u>Hood Canal salmon recovery monitoring and adaptive management. HCCC working with many partners, state and federal agencies, and the tribes will complete a Monitoring and Adaptive Management Framework for both Skokomish Chinook and Mid Hood Canal Chinook. Monitoring protocols and plans for both Chinook salmon recovery chapters will be completed.</u>	<ul style="list-style-type: none"> <li>• <u>By summer 2014, the Lead Entity committees and HCCC Board will approve a Skokomish Chinook Monitoring and Adaptive Management Framework.</u></li> <li>• <u>By summer 2014, the Lead Entity and HCCC Board will approve a Mid Hood Canal Chinook Monitoring and Adaptive Management Framework.</u></li> <li>• <u>By spring 2015, the Lead Entity will develop a process for developing monitoring protocols for priority indicators for both Skokomish Chinook and Mid Hood Canal Chinook.</u></li> <li>• <u>By spring 2016, monitoring protocols and plans for both Chinook salmon recovery chapters will be completed.</u></li> </ul>	HCCC (Lead)	
<b>A</b>	6.1 <u>Implement high priority</u>	WC18 <u>Chico/Keta Park culvert replacement and</u>	<ul style="list-style-type: none"> <li>• <u>By December 2014, culvert</u></li> </ul>	Kitsap County	Suquamish

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>projects identified in each salmon recovery 3-year work plan.</u>		<u><b>floodplain restoration.</b> Kitsap County Roads and the Suquamish Tribe will replace a triple box culvert and reconnect/ restore upstream floodplain habitat at Keta Park, on the mainstem of Chico Creek. This includes completion of project design, for which funding has already been secured.</u>	<u>design completed.</u> ● <u>By June 2016, culvert replaced.</u>	<u>Roads</u>	<u>Tribe</u>
<b>A</b>	<u>6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	<u>STRT4</u>	<u><b>Implement the highest priority habitat restoration and protection projects in the Elwha River ecosystem as informed by adaptive management.</b> Refer to the monitoring and adaptive management plans for the Elwha and the North Olympic Lead Entity for Salmon's 3-year work plan, in part, for guidance. Adaptive management over the coming years may show that habitat restoration and protection projects become a higher priority. The 3-year work plan currently includes the following high priority restoration projects: Little River Large Woody Debris, Elwha Dike Removals, Elwha River Estuary Restoration Engineering Feasibility, and Elwha Conservation Planning. Elwha Revegetation and Elwha Engineered Log Jams projects are also a part of the 3-year work plan but are specifically cited as separate Strait Action Area local near-term actions. See the 3-year work plan for descriptions and costs for each project.</u>	● <u>By 2016, three projects will be funded.</u>	<u>Lower Elwha Klallam Tribe</u>	<u>ONP, North Olympic Lead Entity for Salmon</u>
<b>A</b>	<u>6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	<u>STRT5</u>	<u><b>Implement the high priority actions listed within the most current North Olympic Lead Entity for Salmon's 3-year work plan.</b> This effort includes working with the HCCC-Lead Entity on summer chum recovery. Eventually, steelhead actions will also be incorporated into the 3-year work plan. Note: Number of projects funded each year is dependent on funding available and cost of each project.</u>	● <u>In 2014, seven Salmon Recovery Funding Board and Puget Sound Acquisition and Restoration projects funded.</u> ● <u>In 2015, 10 Salmon Recovery Funding Board and Puget Sound Acquisition and Restoration projects funded.</u>	<u>North Olympic Lead Entity for Salmon (reporter)</u>	
<b>A</b>	<u>6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	<u>STRT6</u>	<u><b>Implement the restoration and revegetation plan for Lake Mills and Lake Aldwell on the Elwha River.</b></u>	● <u>By 2016, plant 360 total acres (i.e., 130 acres in both 2014, 130 acres in 2015, 100 acres in 2016).</u> ● <u>Each year, through 2016 (and beyond if needed), treat the 700 acres associated with the drained reservoirs to achieve</u>	<u>Olympic National Park</u>	<u>Lower Elwha Klallam Tribe</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			a 75% reduction in invasive species.		
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	STRT7 <b><u>Implement Dungeness river floodplain restoration projects.</u></b>	<ul style="list-style-type: none"> <li>By end of 2016, complete design to reconnect 100 acres floodplain [Note: Floodplain acquisition and stewardship (planting and maintenance) is ongoing in anticipation of the reconnection].</li> </ul>	Clallam County Department of Community Development	Corps, Jamestown S'Klallam Tribe, WDFW, WSDOT, North Olympic Lead Entity for Salmon
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	STRT8 <b><u>Monitor interaction of existing engineered log jams with sediment load from removed Elwha River dams and consider additional engineered log jams, when and where necessary.</u></b>	<ul style="list-style-type: none"> <li>By 2016, document pool and spawning gravel formation.</li> </ul>	Lower Elwha Klallam Tribe	
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	STRT9 <b><u>Implement the Pysht River salt marsh estuary restoration project.</u></b> Project includes removal of suction and clamshell dredge deposits placed on a 21.5 acre area of historic salt marsh within the Pysht River estuary. Also, construct a series of tidal channels (2 miles) to allow for natural recolonization of salt tolerant native plants.	<ul style="list-style-type: none"> <li>By 2016, restore 21.5 acres of saltmarsh and 2 miles of tidal channels.</li> </ul>	Lower Elwha Klallam Tribe	Merrill and Ring, Forterra
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	STRT10 <b><u>Implement the high priority actions for the Strait Action Area listed within the most current HCCC-Lead Entity salmon recovery 3-year work plan.</u></b> This effort includes working with the North Olympic Lead Entity for Salmon on summer chum recovery. Eventually, steelhead actions will also be incorporated into the 3-year work plan. Note: Number of projects funded each year is dependent on the funding available, cost of each project, and the current reevaluation of priorities.	<ul style="list-style-type: none"> <li>By 2016, 13 projects funded in eastern Strait of Juan de Fuca.</li> </ul>	HCCC- Lead Entity (reporter)	
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	STRT11 <b><u>Implement the Snow Creek Estuary and Maynard Beach nearshore restoration project.</u></b> Project includes railroad grade fill removal, bulkhead removal, estuary restoration, and beach restoration. (Note: Effort will also address the Olympic Discovery Trail)	<ul style="list-style-type: none"> <li>Snow Creek Estuary: By year end 2015, removal of 11.1 acres of fill/ delta cone in salt marsh, and 2.5 acres of riparian plantings.</li> <li>Maynard Nearshore: By year end 2014, removal of 4 acres of nearshore fill, 1,250 linear feet of bulkhead, and 3 acres</li> </ul>	North Olympic Salmon Coalition	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)		
A	6.1	Implement high priority projects identified in each salmon recovery 3-year work plan.	STRT37	<p><b>Implement stream flow improvement projects within the Dungeness portion of the Elwha-Dungeness Water Resources Area (WRIA 18).</b> Stream flow improvement projects include Water Acquisitions, Irrigation Efficiency, Water Storage &amp; Aquifer Recharge, and Source Substitution; Also, work to update Ecology's 2003 Final Environmental Impact Statement on water conservation needs.</p>	<p>of riparian plantings.</p> <ul style="list-style-type: none"> <li>• Irrigation Efficiency Project Implementation: By 2015, 2.0 cubic feet per second (600 acre-feet) restored to the river.</li> <li>• Water Storage and Aquifer Recharge Project Implementation: By 2015, 1.0 cubic feet per second (300 acre-feet) restored to the river.</li> <li>• Source Substitution Project Implementation: By 2016, 0.5 cubic feet per second restored to river.</li> <li>• Water Acquisition Project Implementation: By 2016, 0.5 cubic feet per second restored to river.</li> </ul>	Clallam Conservation District and Washington Water Trust	Ecology; Water Users Associations
	6.3	Implement harvest, hatchery, and adaptive management elements of salmon recovery.	STRT3	<p><b>Implement the Elwha River restoration project monitoring and management plans.</b> Plans include two hatchery genetic management plans, one for each hatchery facility, and the Elwha Project's Chinook and Steelhead Monitoring Plan. Implementation of these plans will also be informed by a comprehensive Elwha monitoring and adaptive management plan to be published by the USFWS (currently in peer review).</p>	<ul style="list-style-type: none"> <li>• Implement a monitoring strategy for adults, juveniles, and smolts that provide statistically valid information on abundance and distribution required to achieve restoration goals.</li> <li>• Specifically, achieve 15% coefficient of variation on data collected.</li> <li>• Annually achieve monitoring results for: Juvenile outmigration from mid-February to June.</li> <li>• Monitor adult chinook abundance from June through October.</li> <li>• Monitor adult steelhead abundance February through July.</li> <li>• Monitor adult coho and chum</li> </ul>	Olympic National Park	LEKT, NOAA, USFWS, USGS, WDFW, BOR, North Olympic Lead Entity for Salmon

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
			<p><u>spawn abundance November through beginning of January.</u></p> <ul style="list-style-type: none"> <li>• <u>Monitor adult pink spawn abundance.</u></li> <li>• <u>Abundance (natural-origin adult spawning escapement): 1,028 for Chinook and 500 for Steelhead.</u></li> <li>• <u>Productivity (# juveniles / female): 200 for Chinook and 75 for Steelhead</u></li> </ul>			
A	6.4	Protect and recover steelhead and other imperiled salmonid species.	<p><u>WS WC11<sup>7</sup></u></p> <p><b>West Sound Steelhead Recovery Chapter.</b> The West Sound Watersheds Council will develop a local chapter of a Steelhead Recovery Plan. The Council will propose a budget and implementation strategy for its local chapter of the recovery plan.</p>	<ul style="list-style-type: none"> <li>• <u>Local chapter developed by July 2013, budget and implementation strategy for local chapter by December 2013. By July 2015, local chapter developed.</u></li> <li>• <u>By December 2015, budget and implementation strategy for local chapter.</u></li> </ul>	West Sound Watersheds Council	
A	7	<b>Protect and conserve freshwater resources to increase and sustain water availability for instream flows</b>				
A	7.1	Update Puget Sound instream flow rules to encourage conservation.	<p><u>STRT 6<sup>8</sup></u></p> <p><b>Strait Instream Flow Rules.</b> Adopt and/or implement Instream Flow Rules for Water Resource Inventory Areas (WRIAs) 17, 18 East, 18 West, and 19</p> <p>a. Adopt and implement Dungeness Instream Flow and Water Management Rule</p> <p>b. WRIA 18 East stream flow improvements</p> <p>c. Implement WRIA 17 Instream Flow and Water Management Rule</p> <p>d. Adopt Instream Flow Rules for WRIA 18 West</p> <p>e. Adopt Instream Flow Rules for WRIA 19</p>	<ul style="list-style-type: none"> <li>• <u>Initiate or complete 66% of the Priority Actions identified by the Strait ERN for the Strait Action Area</u></li> </ul>	Ecology	
A	7.1	Update Puget Sound instream flow rules to encourage conservation.	<p><u>STRT36</u></p> <p><b>Develop, adopt, and implement the water resources management program rules for Elwha-Dungeness WRIA 18.</b> This action includes implementing the adopted rule that applies to eastern WRIA 18, the Dungeness watershed, from</p>	<ul style="list-style-type: none"> <li>• <u>Through February 2016, 100% of mitigation certificates issued relative to applications received by Clallam County (and beyond) within the</u></li> </ul>	Ecology	<p>Clallam County DCD;</p> <p>Jamestown S'Klallam Tribe; Lower</p>

<sup>7</sup> NTA updated. All West Central NTAs recoded with "WC".

<sup>8</sup> NTA split into multiple, individual project-based NTAs updated.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<u>Bell Creek on Sequim Bay to the Bagley Creek sub-basin (WAC 173-518). Development of the Water Resources Program Rule for the Elwha portion of WRIA 18, that would involve the Elwha-Morse Management Team, is delayed awaiting completion of removal of the Elwha dams and river restoration.</u>	<u>Dungeness watershed.</u>		<u>Elwha Klallam Tribe; Washington Water Trust; Dungeness River Management Team; Elwha-Morse Management Team</u>
<b>A</b>	7.1 <u>Update Puget Sound instream flow rules to encourage conservation.</u>	STRT38	<b>Develop, adopt, and implement a water resources management program rule for eastern Clallam County's portion of WRIA 17.</b> Eastern Clallam County's Sequim Bay–Miller Peninsula portion of the Quilcene-Snow WRIA 17 is within the Dungeness River Management Team's purview.	<ul style="list-style-type: none"> <li>Development, adoption, and implementation of a rule (start date for process is uncertain).</li> </ul>	Ecology	<u>Jamestown S'Klallam Tribe; Clallam County DCD; Dungeness River Management Team</u>
<b>A</b>	7.1 <u>Update Puget Sound instream flow rules to encourage conservation.</u>	STRT39	<b>Develop, adopt, and implement a water resources management program rule for WRIA 19 the Lyre Hoko watershed.</b>	<ul style="list-style-type: none"> <li>Development, adoption, and implementation of a rule (start date for process is uncertain).</li> </ul>	Ecology	<u>Lower Elwha Klallam Tribe; Makah Tribe; Clallam County DCD</u>
<b>A</b>	7.3 <u>Implement effective management programs for groundwater.</u>	SNST16	<b>Groundwater study. Identify the costs and potential funding sources for conducting an impairment analysis for groundwater resources in the Stillaguamish and/or Snohomish River basins.</b>	<ul style="list-style-type: none"> <li>By December 2015, identify the costs and potential funding sources for conducting an impairment analysis including saltwater intrusion and impacts of sea level rise for groundwater resources in the Stillaguamish and/or Snohomish basins.</li> </ul>	Snohomish County	
<b>B</b>	<b>1</b>		<b>Focus development away from ecologically important and sensitive nearshore areas and estuaries</b>			
<b>B</b>	1.1 Use complete, accurate, and recent information in shoreline planning and decision making at the	WS-WC3 <sup>2</sup>	<b>West Sound eelgrass and forage fish surveys.</b> The West Sound Watersheds Council, in coordination with the Suquamish Tribe, DNR, and others, will develop and implement periodic surveys of eelgrass	<ul style="list-style-type: none"> <li>To be determined By June 2014, secure funds for eelgrass monitoring.</li> <li>By June 2015, update eelgrass</li> </ul>	West Sound Watersheds Council Suquamish	<u>Suquamish Tribe West Sound Watersheds</u>

<sup>2</sup>NTA updated. All West Central NTAs recoded using "WC."

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	site-specific and regional levels.	and forage fish spawning habitat under a scientifically rigorous methodology, and update spawning habitat maps.	<u>maps.</u> <ul style="list-style-type: none"> <li>By June 2015, start forage fish spawning area surveys.</li> <li>By June 2016, update forage fish spawning maps.</li> </ul>	Tribe	Council
B	1.1 Use complete, accurate, and recent information in shoreline planning and decision making at the site-specific and regional levels.	ISL3  <b>Improve Island County GIS capability to support land use analysis, planning, permitting decisions, and enforcement with respect to adaptive management and Shoreline Master Program requirements.</b> Island County will develop standard operating procedures for updating data and consistency in its data storage network to ensure usage consistency and relevant data.	<ul style="list-style-type: none"> <li>By September 2014, develop GIS standard operating procedures for Island County departments that support GIS data management procedures, which would enable geographically tracking professional reports and permitting activity in shoreline areas.</li> <li>By September 2014, increase number of GIS licenses available to Island County staff.</li> <li>By December 2014, increase number of Island County staff trained in GIS technology, and increase use in daily activities that result in geospatial data collection.</li> <li>By June 2015, develop a comprehensive GIS map of Island County detailing permits, buffers, and forest cover based on updated layers.</li> <li>By December 2015, develop a formal report recommending monitoring, restoration, and habitat protection priorities.</li> </ul>	Island County Department of Natural Resources	
B	1.2 Support local governments to adopt and implement plans,	STRT 4 <sup>10</sup>  Straits Shoreline Master Programs. Shoreline Master Program Updates, Implementation, and Intergovernmental Coordination (Jefferson County,	<ul style="list-style-type: none"> <li>Recommended Option: Develop the economic baseline (Ecosystem</li> </ul>	Strait ERN	

<sup>10</sup> NTA split into multiple, updated, NTAs.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	Clallam County and cities of Port Townsend, Sequim, and Port Angeles) a. City of Port Townsend SMP—stormwater education b. City of Port Townsend SMP—bulkhead removal c. City of Port Townsend SMP—restore native marine riparian vegetation d. City of Port Angeles SMP Update e. City of Sequim SPM Update f. Jefferson County SMP—Annual Restoration Planning Summit g. Jefferson County SMP—Assess shoreline restoration progress h. Jefferson County SMP—Identify and implement shoreline armoring, riparian enhancement, fill removal and culvert replacement projects i. Jefferson County SMP update j. Clallam County SMP implementation k. Clallam County SMP adaptive management l. Clallam County SMP update m. Ecosystem valuation n. Enhanced shoreline protection o. Finfish aquaculture speaker forum	Valuation) for the ecosystem functions that will be monitored by the No-Net-Loss indicators for all 5 local jurisdictions within the Strait Action Area; Alternative Option: Initiate or complete 30% of the new Priority Actions identified by the Strait ERN for the Strait Action Area		
B	1.2 Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	WS WC2 <sup>11</sup>	<b>West Sound SMP Shoreline Master Program update alternatives to shoreline armoring.</b> During the Shoreline Master Program (SMP)-update process for all <del>North Central / West Sound</del> West Central jurisdictions in 2012-13, the West Sound Watersheds Council will ensure that restoration plans for every <b>SMP Shoreline Master Program</b> include alternatives to traditional shoreline armoring, and incentives for the removal of existing armoring.	<ul style="list-style-type: none"> <li>The goal is for no net gain in shoreline armoring within any West Sound jurisdiction over the next two years. Over the next 2 years, no net gain in shoreline armoring within any West Central jurisdiction.</li> </ul>	West Sound Watersheds Council
B	1.2 Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries,	ISL1	<b>Develop an implementation strategy for Shoreline Master Program compliance.</b> Island County will develop an implementation strategy for Shoreline Master Program compliance that includes the following elements: a) develop an accurate evaluation of shoreline health that meets the state	<ul style="list-style-type: none"> <li>By January 2014, obtain funding for Shoreline Master Program implementation program.</li> <li>By April 2014, develop baseline shoreline health</li> </ul>	Island County Planning and Community Development

<sup>11</sup> Near-term action updated. All West Central near-term actions recoded with "WC."

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	and incorporate climate change forecasts.		<p>requirement for “no net loss” and Shoreline Master Program effectiveness based on guidance from Ecology; b) retain a consultant to set a baseline percentage of shoreline armoring and percent vegetative cover that will be used to quantitatively and qualitatively evaluate shoreline health status, trends, and compliance monitoring; c) conduct annual county-wide shoreline evaluations for trend analysis.</p>	<p>report with trend analysis (no net loss measure) (e.g., percent change shoreline armoring, change in vegetation in Island County).</p> <ul style="list-style-type: none"> <li>• By July 2014, develop a Shoreline Master Program implementation strategy.</li> <li>• By March 2015, develop and implement a Shoreline Master Program training program (target: 100 residents to attend per quarter).</li> </ul>		
B	<p>1.2 Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.</p>	SC4	<p><b>Improve shorelines in the South Central Puget Sound Action Area by limiting new residential shoreline armoring and overwater coverage, and promoting “green” shoreline replacements.</b></p> <ul style="list-style-type: none"> <li>• Encourage programs and projects that implement and promote incentives and best practices identified in local Shoreline Master Program studies.</li> <li>• Assist local governments by providing information on best practices and models. (e.g., hold informational sessions at standing planner forums including Puget Sound Regional Council, King County, and Seattle).</li> <li>• Work to promote existing and new incentive programs.</li> <li>• Use South Central Caucus Group (LIO) as a forum for sharing best practices and model shoreline master program.</li> <li>• Compile incentive information and provide to local governments.</li> <li>• Coordinate outreach and incentive programs with existing industry best practices such as Leadership in Energy and Environmental Development, Green Shores for Homes project, and Built Green Certification program.</li> <li>• Seek funding to engage streamside/riparian, lakeshore, and nearshore area property owners and to increase assistance to shoreline</li> </ul>	<ul style="list-style-type: none"> <li>• Report quarterly to South Central Caucus Group (LIO) on education and other actions funded by Puget Sound Acquisition and Restoration, Estuary Salmon Restoration Project, and other sources.</li> <li>• By third quarter 2015, owners will report to South Central Caucus Group on progress made on working with private property owners and reaching priority audiences to promote green shorelines practices.</li> <li>• By second quarter 2015, King Conservation District assists 20 landowners in implementing shoreline protection, restoration, and enhancement practices.</li> <li>• In 2015, explore options for using existing funding mechanisms to assist landowners who are willing to implement aquatic area enhancement protection and enhancement practices.</li> </ul>	LIO	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<p>landowners who are willing to implement aquatic area protection and enhancement practices.</p> <ul style="list-style-type: none"> <li>● Support WRIA 8 Green Shorelines Steering Committee's outreach and education to key marine and freshwater shoreline audiences (e.g., property owners, real estate agents, construction and landscaping communities, and local government planning departments) to share green shorelines materials and messages and to encourage improved shoreline restoration stewardship.</li> <li>● Support ECO Net endorsed education and outreach efforts for this action.</li> </ul>			
<u>B</u>	<u>1.2</u> Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>STRT15</u> <b>Implement the City of Port Townsend's Shoreline Master Program through public education and incentive programs.</b> Education and incentive programs will be made available and promoted to City residents. Programs include promotion of improved stormwater management, removal of shoreline armoring, and restoring native marine riparian vegetation along the city's shorelines. Shoreline education and technical assistance will be offered through implementation of Phase 2 of Jefferson County's Watershed Stewardship Resource Center, as described in two other Strait Action Area near-term actions.	<ul style="list-style-type: none"> <li>● By 2016, hold four public educational events.</li> <li>● By 2015, complete one "shovel-ready" plan for a high-priority stormwater management project.</li> </ul>	<u>Jefferson County Marine Resources Committee</u>	<u>Jefferson County Washington State University Extension; City of Port Townsend</u>
<u>B</u>	<u>1.2</u> Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>STRT16</u> <b>Finalize and adopt the Shoreline Master Program, and update and implement the highest priority projects listed within the City of Port Angeles shoreline restoration plan, a part of the city's updated Shoreline Master Program.</b> In addition to finalizing and adopting the Shoreline Master Program update, the focus is on beach restoration projects within Port Angeles Harbor, including inner Ediz Hook, West End Park, and Hollywood Beach.	<ul style="list-style-type: none"> <li>● By 2014, adopt the Shoreline Master Program.</li> <li>● By 2014 and 2015, restore 8,606 feet (1.62 miles) of marine shoreline in Port Angeles Harbor by completing beach restoration projects, including             <ul style="list-style-type: none"> <li>○ Ediz Hook by 2014.</li> <li>○ West End Park by 2015.</li> <li>○ Hollywood Beach (to be fully designed by 2015 with implementation to follow).</li> </ul> </li> </ul>	<u>City of Port Angeles Department of Community and Economic Development</u>	
<u>B</u>	<u>1.2</u> Support local governments to adopt and	<u>STRT19</u> <b>Organize and implement annual Jefferson County restoration planning summits.</b> Organize and	<ul style="list-style-type: none"> <li>● In early 2014, complete first annual Restoration Planning         </li> </ul>	<u>Jefferson County Marine</u>	<u>Jefferson County</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>implement the first annual Jefferson County Restoration Planning Summit.</u>	<u>Summit.</u>	<u>Resources Committee</u>	<u>Department of Community Development</u>
<u>B</u>	<u>1.2</u> Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>STRT20</u> <b>Implement the highest priority projects listed within the Jefferson County Shoreline Restoration Plan, a part of the County's updated Shoreline Master Program.</b> Implement the highest priority shoreline restoration projects.	<ul style="list-style-type: none"> <li>● <u>By December 2016, implement two bulkhead removal or bio-stabilization projects and two riparian enhancement projects along high priority shorelines.</u></li> <li>● <u>Initiate conversations with at least one public agency regarding intertidal fill or culvert removal projects on a high priority shoreline (see page 7-1 of Shoreline Master Program Shoreline Restoration Plan).</u></li> </ul>	<u>Jefferson County Department of Community Development</u>	
<u>B</u>	<u>1.2</u> Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>STRT21</u> <b>Assess implementation of the Jefferson County Shoreline Restoration Plan, a part of the County's updated Shoreline Master Program.</b> Regularly assess implementation of the Jefferson County Shoreline Restoration Plan.	<ul style="list-style-type: none"> <li>● <u>By December 2014:</u> <ul style="list-style-type: none"> <li>○ <u>Identify at least two potential bulkhead removal/ bio-stabilization projects on high priority shorelines, apply for funding and initiate steps toward implementation.</u></li> <li>○ <u>Identify at least two potential riparian enhancement projects on high priority shorelines, apply for funding and initiate steps toward implementation.</u></li> <li>○ <u>Initiate conversations with at least one public agency regarding an intertidal fill removal or culvert removal project on a high priority shoreline.</u></li> </ul> </li> <li>● <u>By December 2018:</u></li> </ul>	<u>Jefferson County Department of Community Development</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>○ <u>Complete at least two bulkhead removal/ bio-stabilization projects.</u></li> <li>○ <u>Complete at least two riparian enhancement projects.</u></li> <li>○ <u>Initiate technical work to support at least one large-scale intertidal fill removal or culvert removal project on a high priority shoreline.</u></li> </ul>		
<u>B</u>	<u>1.2</u> Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>STRT22</u>	<b><u>Develop and adopt the update of the Clallam County Shoreline Master Program.</u></b>	<ul style="list-style-type: none"> <li>● <u>In 2014, adopt Shoreline Master Program.</u></li> </ul>	Clallam County Department of Community Development
<u>B</u>	<u>1.2</u> Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>STRT23</u>	<b><u>Identify and implement a framework for measuring and tracking no net loss in Clallam and Jefferson Counties.</u></b> Complete the Enhanced Shoreline Protection project (EPA Watershed Management Assistance Program Grant) for Clallam and Jefferson Counties and evaluate the results to determine next steps for implementation.	<ul style="list-style-type: none"> <li>● <u>In 2014, adopt the Framework of Indicators and no net loss Project Specific Checklist for Clallam County.</u></li> <li>● <u>In 2014, adapt and begin field testing of no net loss Project Specific Checklist in Jefferson County.</u></li> </ul>	Clallam and Jefferson County Departments of Community Development
<u>B</u>	<u>1.2</u> Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>STRT24</u>	<b><u>Expand pilot Ecosystem Services Valuation analysis conducted along the Central Strait nearshore to other shorelines within the Strait Action Area and North Olympic Peninsula.</u></b> Following lessons learned from the pilot Ecosystem Services Valuation analysis along the Central Strait nearshore within Clallam County and the City of Port Angeles, consider expanding the effort to other shorelines within the Strait Action Area and North Olympic Peninsula. This action is one of a number of efforts to coordinate implementation of shoreline master programs among local governments within the Strait Action Area.	<ul style="list-style-type: none"> <li>● <u>By 2016, complete Ecosystem Services Valuation within Clallam and Jefferson Counties.</u></li> </ul>	Clallam and Jefferson County Departments of Community Development Cities of Port Angeles, Sequim, and Port Townsend
<u>B</u>	<u>1.2</u> Support local	<u>STRT25</u>	<b><u>Identify implementation priorities for the adopted</u></b>	<ul style="list-style-type: none"> <li>● <u>By 2015, list priority actions.</u></li> </ul>	Clallam County

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.</u>		<b>update of the Clallam county Shoreline Master Program.</b> Following adoption of Clallam County's Shoreline Master Program update, identify implementation priorities, such as improved mapping capabilities to identify and monitor functions of vulnerable shorelines, an effective shoreline landowner outreach program, etc.		Department of Community Development	
<b>B</b>	1.2	Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	STRT26	<b>Develop a monitoring and adaptive management strategy for the adopted update of the Clallam County Shoreline Master Program, one that's based on the no net loss indicators.</b> Following adoption of Clallam County's Shoreline Master Program update, develop a monitoring and adaptive management strategy that's based on the no net loss indicators developed by the Enhanced Shoreline Protection project.	<ul style="list-style-type: none"> <li>By 2015, complete monitoring and adaptive management strategy.</li> </ul>	Clallam County Department of Community Development
<b>B</b>	1.1	Identify and prioritize areas for protection, restoration, and best suitable for Low Impact Development.	SNST14	<b>Port Susan Marine Stewardship Area conservation.</b> Establish Port Susan as a Marine Stewardship Area and implement the conservation action plan.	<ul style="list-style-type: none"> <li>In 2014, achieve formal adoption by the Snohomish County Council.</li> <li>By 2016, work to prevent 100% of future shoreline armoring in Port Susan.</li> <li>During 2014–2016, work to implement the high priority action steps in the Port Susan Conservation Action Plan.</li> </ul>	Snohomish County Marine Resources Committee
<b>B</b>	1.3	Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries.	SJI 7 <sup>12</sup>	SJI Technical Assistance. San Juan County Community Development and Planning Department (CDPD) and the Town of Friday Harbor will make ongoing technical assistance (best management practices) available on-site to 100% of permit applicants, with a goal of 75% of customers avoiding hard armoring or otherwise implementing soft armoring techniques by 2014. This work will leverage the effort underway via EPA grant funding and shoreline workshops coordinated by Friends of the San Juans, San Juan Islands Conservation District, and Washington Sea Grant.	<ul style="list-style-type: none"> <li>Technical assistance (best management practices) available on-site to 100% of permit applicants, with a goal of 75% of customers avoiding hard armoring or otherwise implementing soft armoring techniques by 2014</li> </ul>	SJC

<sup>12</sup> Near-term action updated.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
B	1.3 Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries.	SJI 8 <sup>13</sup> SJI Technical Assistance Capacity. San Juan Community Development and Planning Department (CDPD) and the Town of Friday Harbor will provide capacity for technical assistance related to compliance with environmental regulations by 2013.	<ul style="list-style-type: none"> <li>To be determined</li> </ul>	SJC	
B	1.3 Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries.	<b><u>Increase use of BMPs, reduce shoreline armoring, and increase vegetative cover by making information and assistance available to landowners, contractors and consultants (Near Term Shoreline Action I).</u></b>	<ul style="list-style-type: none"> <li>By 2016, make ongoing technical assistance (BMPs or no net loss) available through pre-application site visits to 100% of shoreline permit applicants, with a goal of applicants avoiding hard armoring or implementing soft armoring techniques. This will leverage efforts underway via EPA grant funding for Green Shores and Washington Sea Grant (June 2014) and shoreline workshops coordinated by Friends of the San Juans and San Juan Islands Conservation District.</li> <li>By 2016, research and identify candidate sites for restoration of native vegetation, trees, and ground cover to target salmon recovery regions.</li> <li>By 2016, engage with 50 voluntary shoreline property owners in priority areas. Complete feasibility analysis with seven property owners with two to three projects moving forward for full</li> </ul>	LIO (reporter)	Green Shores for Homes, Friends of the San Juans, SJC CDPD, Town of Friday Harbor

<sup>13</sup>Near-term action updated, see B1.3 SJI9.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
B	1.3	<p>Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries.</p> <p>ISL2</p>	<p><b>Develop technical guidance document and trainings for residents on new Shoreline Master Program guidelines.</b></p>	<p><u>project development.</u></p> <ul style="list-style-type: none"> <li>By December 2014, develop a residential Shoreline Master Program technical guidance manual.</li> <li>By March 2015, develop and implement a Shoreline Master Program training program (target: 100 residents to attend per quarter).</li> </ul>	Island County Planning and Community Development
B	1.3	<p>Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries.</p> <p>STRT18</p>	<p><b>Provide shoreline education, training, and technical assistance in Jefferson County and City of Port Townsend through implementation of Phase 2 of SquareONE (formally called Watershed Stewardship Resource Center).</b> Consider expansion of the SquareONE concept to the other three local jurisdictions within the Strait Action Area. Following lessons learned from the SquareONE pilot project in Jefferson County; consider implementing Phase 2 to include the City of Port Townsend. Also, consider possible expansion of the concept to the other three local jurisdictions within the Strait Action Area. This action is one of a number of efforts to coordinate implementation of shoreline master programs among local governments within the Strait Action Area.</p> <p>(Note: This action has a double benefit in that it is also a part of C2.5 STRT31.)</p>	<ul style="list-style-type: none"> <li>By 2016, hold four workshops with the number of attendees at workshops and before and after surveys showing improved knowledge.</li> <li>By December 2016, complete a final report on decisions to expand the SquareONE concept to other Strait Action Area local jurisdictions.</li> </ul>	Jefferson County Department of Community Development
B	2	<b>Protect and restore nearshore and estuary ecosystems</b>			
B	2.1	<p>Permanently protect priority nearshore physical and ecological processes and habitat, including shorelines, migratory corridors, and vegetation particularly in sensitive areas such as eelgrass beds and bluff backed</p> <p>SJI-10<sup>14</sup></p>	<p>San Juan Lead-Entity Shoreline Protection. San Juan County Lead-Entity for Salmon Recovery will identify priority habitats for acquisition by 2013 in updates to the Salmon Recovery strategy, and will lead acquisition of, or establishment of conversation easements for 25% of priority habitat shoreline miles with willing-sellers/owners by 2014.</p>	<ul style="list-style-type: none"> <li>Identify priority habitats for acquisition by 2013 in updates to the Salmon Recovery strategy, lead acquisition of, or establishment of conversation easements for 25% of priority habitat shoreline miles with willing</li> </ul>	SJC Lead-Entity for Salmon Recovery

<sup>14</sup>Near-term action updated, see A6.1 SJI10.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>beaches.</u>		<u>sellers/owners by 2014.</u>		
<u>B</u>	2.1 <u>Permanently protect priority nearshore physical and ecological processes and habitat, including shorelines, migratory corridors, and vegetation particularly in sensitive areas such as eelgrass beds and bluff backed beaches.</u>	SS8 <u>Johns Creek (Bayshore) Estuary restoration. Restore John’s Creek (Bayshore) Estuary, a Puget Sound Nearshore Estuarine Restoration Program project.</u>	<ul style="list-style-type: none"> <li>• <u>By June 2016, acquire, protect and fully restore 74 acres of biologically sensitive and culturally significant estuary, nearshore, riparian, and Puget Sound oak prairie habitat.</u></li> </ul>	<u>Squaxin Island Tribe</u>	
<u>B</u>	2.1 <u>Permanently protect priority nearshore physical and ecological processes and habitat, including shorelines, migratory corridors, and vegetation particularly in sensitive areas such as eelgrass beds and bluff backed beaches.</u>	SS18 <u>McNeil Island long-term conservation and low-impact public access. Track state efforts to determine the long-term management strategy of McNeil Island. Support protection and restoration of habitat and natural resources of the island for low-impact public access.</u>	<ul style="list-style-type: none"> <li>• <u>By June 2015, determine current status of McNeil Island ownership and management.</u></li> <li>• <u>Semi-annual updates to Alliance for a Healthy South Sound (LIO) Council and Executive Committee from staff and/or invited guests.</u></li> </ul>	<u>Pierce County</u>	<u>Nisqually Tribe</u>
<u>B</u>	2.2 <u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u>	WH7 <u>Waterfront and estuary habitat connectivity projects. Implement restoration projects, and protect marine shorelines through stewardship projects.</u>	<ul style="list-style-type: none"> <li>• <u>Locust Beach– Marine Resources Committee in cooperation with City of Bellingham Parks Department to:</u> <ul style="list-style-type: none"> <li>○ <u>By December 2016, host four coordinated beach clean ups with local community groups at Locust Beach (e.g., kiteboarding club, dive club, Surfrider), and design and install interpretive and stewardship signs.</u></li> </ul> </li> <li>• <u>Little Squalicum Estuary–City of Bellingham to:</u> <ul style="list-style-type: none"> <li>○ <u>By May 2014, complete design.</u></li> <li>○ <u>By May 2014, complete bid specifications and permit</u></li> </ul> </li> </ul>	<u>City of Bellingham</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
			<ul style="list-style-type: none"> <li>○ <u>By December 2015, complete construction.</u></li> <li>○ <u>By January 2016, complete planting.</u></li> <li>● <u>Whatcom Waterway Between Roeder and Holly–City of Bellingham to:</u> <ul style="list-style-type: none"> <li>○ <u>By December 2013, complete feasibility and site characterization.</u></li> <li>○ <u>By December 2014, complete design, bid specifications and permit applications.</u></li> </ul> </li> <li>● <u>Cornwall Beach Park Habitat Enhancements–City of Bellingham to:</u> <ul style="list-style-type: none"> <li>○ <u>By August 2014, complete Master Planning and 30% design.</u></li> </ul> </li> <li>● <u>Willow Spring Culvert Removal–City of Bellingham to:</u> <ul style="list-style-type: none"> <li>○ <u>By April 2015, complete design.</u></li> <li>○ <u>By April 2015, complete bid specifications and permit applications.</u></li> <li>○ <u>By December 2016, complete construction.</u></li> <li>○ <u>By December 2016, complete planting.</u></li> </ul> </li> </ul>			
<u>B</u>	<u>2.2</u>	<p><u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u></p>	<u>SS9</u>	<p><b><u>Deschutes River estuary restoration.</u></b> Remove the <u>5th Avenue dam and restore 346 acres of estuarine and intertidal habitat. The project was recommended by the Capitol Lake Adaptive Management Plan steering committee and is a WRIA 13 Lead Entity and Puget Sound Nearshore Estuarine Restoration Program priority project.</u></p>	<ul style="list-style-type: none"> <li>● <u>By June 2015, develop funding strategy.</u></li> <li>● <u>Support Puget Sound Nearshore Estuarine Restoration Program efforts to obtain federal support.</u></li> <li>● <u>Build community support for estuary restoration by holding</u></li> </ul>	<u>Squaxin Island Tribe</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>quarterly public meetings.</li> <li>By June 2015, outline state legislative strategy.</li> <li>By June 2016, complete strategy.</li> </ul>		
<u>B</u>	2.2 <u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u>	SS10 <b>Sequalitchew Creek restoration.</b> Restore Sequalitchew Creek, a Puget Sound Nearshore Estuarine Restoration Program project.	<ul style="list-style-type: none"> <li>By June 2015, develop funding strategy.</li> <li>Meet quarterly with landowners to further develop the recommended restoration action plans.</li> <li>Continue discussions to update appropriate City of DuPont critical areas ordinances to allow for restoration actions to occur within the city.</li> <li>Plan and implement appropriate watershed monitoring activities and involve local citizens.</li> </ul>	South Puget Sound Salmon Enhancement Group	
<u>B</u>	2.2 <u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u>	SS11 <b>Chambers Bay estuarine and riparian enhancement project.</b> Enhance estuarine habitat structure, increase salt marsh, and restore marine riparian habitat within and around Chambers Bay, a Puget Sound Nearshore Estuarine Restoration Program project. These actions will improve shallow-water refuge, increase foraging opportunity, and improve rearing capacity of the shoreline for salmon, particularly early life stages of Chinook, chum and pink salmon.	<ul style="list-style-type: none"> <li>By June 2015, complete the feasibility study and resolve the dam ownership and maintenance responsibility.</li> <li>By June 2016, meet with stakeholders to coordinate fish passage and management responsibilities.</li> <li>By June 2016, develop list of funding opportunities to scope and design the next project phase.</li> </ul>	WRIA 10/12 Lead Entity	
<u>B</u>	2.2 <u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u>	WC19 <b>Point No Point Marsh restoration.</b> Pending the results of a feasibility study in progress, Kitsap Surface and Stormwater Management, WDFW, and the West Central LIO will design and construct a replacement tidegate at Point No Point State Park by December 31, 2014. The goal is restoration of tidal hydrology and fish passage at a regionally important location for salmon recovery.	<ul style="list-style-type: none"> <li>By December 31, 2014, complete design for a replacement tidegate at Point No Point State Park.</li> <li>By June 30, 2015, begin construction.</li> <li>By June 30, 2016, complete construction/restoration.</li> </ul>	LIO (reporter)	WDFW

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
<u>B</u>	2.2	<u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u>	<u>WC20</u>	<b><u>Waterfront Park bulkhead removal and conveyance retrofit.</u></b> With a goal of enhancing nearshore habitat through armoring removal and beach nourishment, the City of Bainbridge Island will complete a bulkhead removal, beach nourishment, and stormwater conveyance system retrofit. Funding has been secured for initial design work, community outreach, and armoring removal and beach nourishment, and funds necessary to complete stormwater conveyance system retrofit work will be sought. All proposed project work must occur simultaneously in order to minimize project costs and maximize ecological outcomes.	<ul style="list-style-type: none"> <li>● <u>By June 2014, secure funds for stormwater conveyance system retrofits.</u></li> <li>● <u>By June 2016, complete bulkhead removal, beach nourishment, and stormwater conveyance system retrofit.</u></li> </ul>	City of Bainbridge Island	
<u>B</u>	2.3	<u>Remove armoring, and use soft armoring replacement or landward setbacks when armoring fails, needs repair, is non protective, and during redevelopment.</u>	<u>SJI11</u>	<b><u>Continue to develop a voluntary program providing alternatives and incentives for best management practices to avoid hard armoring and to maintain native vegetation (Near Term Shoreline Action III).</u></b>	<ul style="list-style-type: none"> <li>● <u>Ecosystem outcome goal: No new hard armoring in 2015 and 2016.</u></li> <li>● <u>In 2015, engage 24 shoreline landowners, 16 contractors, and 30 realtors.</u></li> <li>● <u>Conduct separate annual workshops for contractors and realtors/shoreline landowners.</u></li> <li>● <u>Between 2014 and 2016, conduct 12 advisory visits to shoreline landowners.</u></li> <li>● <u>Develop maps, checklists, or other usable information materials specifically tailored to conditions in the San Juan Islands.</u></li> <li>● <u>Continue updating website; reach 50 views per month.</u></li> <li>● <u>Develop website-based catalogue of examples.</u></li> <li>● <u>Annual tour of “best alternatives” sites.</u></li> </ul>	Green Shores for Homes	<u>SJC CDPD, Friends of the San Juans</u>
<u>B</u>	2.3	<u>Remove armoring, and use soft armoring replacement or landward setbacks when armoring</u>	<u>ISL4</u>	<b><u>Decrease the use of shoreline armor, or in those instances where armor is absolutely necessary, increase the utilization of soft shore protection to address shoreline protection concerns.</u></b> This effort	<ul style="list-style-type: none"> <li>● <u>By December 2013, secure funding for armor avoidance and alternatives to hard shore armoring program.</u></li> </ul>	Island County Planning and Community Development	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>fails, needs repair, is non protective, and during redevelopment.</u>		<u>will address two target audiences, Island County permitting staff and shoreline property owners. Education, outreach, and behavior change strategies will be used. Island County will engage its permitting staff and shoreline property owners in an extensive education and outreach campaign to meet its target of decreasing the use of shore armor and soft shore protection. The campaign will utilize appropriate behavior change strategies and technical/scientific data to support changes within the community. Island County will seek funding to provide technical assistance to landowners and to monitor program effectiveness.</u>	<ul style="list-style-type: none"> <li>● <u>By February 2014, establish an updated baseline map of shore armor in Island County using historical data.</u></li> <li>● <u>By February 2014, train Island County Planning and Community Development staff on hard shore armoring alternatives. Including a checklist (evaluation of soft shore protection potential) for permit review and planning documents.</u></li> <li>● <u>By March 2014, develop shore protection landowner training program.</u></li> <li>● <u>By March 2014, develop soft shore protection guidance document for residents (all who come to the Planning and Community Development counter regarding shoreline armoring permit). This would include an interactive website for residents to learn the reasons for choosing alternatives to hard shore armoring.</u></li> </ul>		
<u>B</u>	<u>2.3 Remove armoring, and use soft armoring replacement or landward setbacks when armoring fails, needs repair, is non protective, and during redevelopment.</u>	<u>ISL5</u>	<u><b>Remove hard shore armor and, where feasible, replace with soft shore protection where erosion control is needed to protect houses.</b> Develop a program for education and behavior change on shoreline armoring in Island County. Social marketing will be applied to program development. Financial incentives (e.g., free site visits from experts, and grants for cost share, design, permitting) will be offered to implement armor removal and possibly install soft shore protection. This program will include monitoring beach ecosystem health on removal and conversion projects (from hard shore to soft shore) to provide justification.</u>	<ul style="list-style-type: none"> <li>● <u>By December 2013, secure funding for soft shore protection technical assistance and removal program (vouchers for removing bulkheads) (target: five properties to receive technical assistance per quarter).</u></li> <li>● <u>By December 2013, secure funding for forage fish spawning surveys to establish baseline data and effectiveness monitoring to</u></li> </ul>	<u>Island County Department of Natural Resources</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
			<p>validate decision for removing armor. Monitoring to begin spring 2014.</p> <ul style="list-style-type: none"> <li>By January 2016, total amount of armor removed is greater than new armor installed (not including armor replacement).</li> </ul>			
<b>B</b>	<b>3</b>	<b>Protect and restore marine ecosystems</b>				
<b>B</b>	<b>4</b>	<b>Protect and steward working waterfronts and improve public access to Puget Sound</b>				
<b>B</b>	<b>5</b>	<b>Protect and restore the native diversity and abundance of Puget Sound species, and prevent and respond to the introduction of terrestrial and aquatic invasive species</b>				
<b>B</b>	5.3	<p>Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.</p> <p>WH6</p>	<p><b>Implement and expand the noxious weed eradication program.</b> The Noxious Weed Board has implemented a program in Whatcom County to remove knotweed from the Nooksack Forks and spartina species from marine intertidal areas including the Nooksack and Lummi River deltas. Long term surveys and continued annual removal/treatment is necessary to prevent the establishment of spartina and to manage knotweed infestations.</p>	<ul style="list-style-type: none"> <li>In 2014, continue follow-up treatments in forks using existing funding.</li> <li>By the end of 2015, if full funding is made available, extend treatments to all tributaries to the forks with first treatment of all tributaries and touch up treatments in previously treated areas.</li> <li>Through 2014, continue spartina surveys for early detection with existing funding. <ul style="list-style-type: none"> <li>Remove new spartina clones detected.</li> <li>Continue seasonal removal of spartina close currently known.</li> <li>Recommend and implement herbicides if determined necessary.</li> </ul> </li> </ul>	Whatcom County	Whatcom County Noxious Weed Board
<b>B</b>	5.3	<p>Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.</p> <p>ISL11</p>	<p><b>Implement a noxious and invasive weed eradication program.</b></p>	<ul style="list-style-type: none"> <li>By December 2014, secure funding to assess invasive species in Island County.</li> <li>By June 2015, create plan for eradication program.</li> </ul>	Noxious Weed Control Board	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>● <u>By December 2015, increase property owners' awareness about invasive species of concern, control methods for specific plants, and their legal obligations to control regulated species.</u></li> <li>● <u>By December 2015, increase acreage of native vegetation restoration.</u></li> </ul>		
<u>B</u>	<u>5.3</u> Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.	<u>SNST12</u> <b>Riparian corridor knotweed control.</b> Program leads will be divided among basins: Stillaguamish—Stillaguamish Tribe and Snohomish County; Skykomish/Snohomish—Tulalip Tribes and Snohomish County; Snoqualmie—Snoqualmie Tribe and King County. Leads will work to vet methods and strategies, and develop control and elimination plans, and monitoring programs.	<ul style="list-style-type: none"> <li>● <u>By December 2014, develop methods and strategies that work best in their areas of concern including evaluation of effectiveness of biological control.</u></li> <li>● <u>By March 2015, finalize control and elimination plans.</u></li> <li>● <u>By June 2015, hire additional staff, if necessary, to implement the control and elimination plans.</u></li> <li>● <u>From June 2015–June 2018, implement control and elimination plans, using principles of adaptive management.</u></li> <li>● <u>From June 2015–June 2019, implement monitoring programs concurrently with control and elimination actions.</u></li> </ul>	Snoqualmie Tribe	King County, Snohomish County, Tulalip Tribes
<u>C</u>	<b>1 Prevent, reduce, and control the sources of contaminants entering Puget Sound</b>				
<u>C</u>	<u>1.2</u> Promote the development and use of safer alternatives to toxic chemicals.	<u>SC11</u> <b>Keep toxics and excess nutrients out of the waste stream.</b> <ul style="list-style-type: none"> <li>● <u>Identify and implement strategies to keep toxics and excess nutrients out of the waste stream through product stewardship and source control.</u></li> <li>● <u>Support state and local programs for safe reduction, recycling, or disposal of hazardous wastes from households, small businesses, and</u></li> </ul>	<ul style="list-style-type: none"> <li>● <u>By September 2014, ECO Net will report on education and outreach efforts for this near-term action.</u></li> <li>● <u>By September 2014, Ecology and/or NW Product Stewardship Council will report to South Central</u></li> </ul>	LIO	Ecology

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<p><u>agriculture.</u></p> <ul style="list-style-type: none"> <li>● <u>Support programs and projects that implement, teach, or otherwise encourage BMPs that remove toxic pollutants from the environment (source control; alternative products; hazardous waste technical assistance).</u></li> <li>● <u>Inventory toxics reduction efforts and programs and additional chemicals of concern that need to be reduced.</u></li> <li>● <u>Through the NW Product Stewardship Council, coordinate efforts for product-focused strategies to reduce the use of toxic chemicals.</u></li> <li>● <u>Coordinate with and support new product stewardship initiatives.</u></li> <li>● <u>Support and promote the implementation of the Washington Toxics Reduction Strategy Workgroup Recommendations of January 16, 2013.</u></li> <li>● <u>Support efforts to increase funding.</u></li> <li>● <u>Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.</u></li> </ul>	<p><u>Caucus Group (LIO) on status of their efforts.</u></p> <ul style="list-style-type: none"> <li>● <u>By December 2015, obtain new funding for key toxic reduction activities.</u></li> <li>● <u>By March 2015, develop inventory of toxics reduction efforts and programs and additional chemicals of concern that need to be reduced.</u></li> <li>● <u>By December 2015, increase funding for the Washington Toxics Reduction Strategy Workgroup Recommendations of January 16, 2013.</u></li> </ul>		
<u>C</u>	<u>1.4</u> Provide education and technical assistance to prevent and reduce releases of pollution.	<u>ISL9</u>	<p><b><u>Stormwater technical assistance and incentive programs implementation.</u></b> Island County will implement a stormwater retrofit program to target private properties. The program will include designing and conducting workshops for landowners and providing incentives for compliance (incentives may include cost sharing for rain gardens, no-cost engineering).</p>	<ul style="list-style-type: none"> <li>● <u>By June 2014, implement stormwater management and low-impact development program to assist urban and rural landowners (target: WICD will complete 25 low-impact plans as well as technical assistance site visits as needed for stormwater management).</u></li> </ul>	Whidbey Island Conservation District
<u>C</u>	<u>1.4</u> Provide education and technical assistance to prevent and reduce releases of pollution.	<u>SS7</u>	<p><b><u>Prevention of pollution and/or recovery of shellfish beds through education, outreach, and advocacy.</u></b> Customize outreach efforts aimed at each watershed-inlet for citizen involvement and improved effectiveness to achieve behavioral change through ECO Net.</p>	<ul style="list-style-type: none"> <li>● <u>By June 2015, develop and launch a pilot program in two inlets that a) is specific to that inlet but that has categories that can be adapted to the needs of other inlets; b) addresses pollution prevention and/or shellfish recovery and c) identifies</u></li> </ul>	Washington State University Extension ECO Net, Thurston Conservation District, Mason Conservation District

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
				<ul style="list-style-type: none"> <li>clear measures of success.</li> <li>By June 2016, adapt that program to the other inlets.</li> </ul>			
<u>C</u>	1.4	Provide education and technical assistance to prevent and reduce releases of pollution.	SS17	<b>Habitat and shellfish recovery through education and outreach.</b> Implement the Shore Stewards Program throughout the South Puget Sound Action Area. The voluntary program engages shoreline homeowners to implement BMPs and behavior practices to reduce pollutant inputs and to improve habitat. Develop a local welcome packet to engage, connect, and educate new shoreline homeowners about local issues and resources available to them.	<ul style="list-style-type: none"> <li>By June 2016, report number of new shore stewards signed up.</li> <li>Every 2 years, conduct self-reporting survey to identify the number of shore stewards reporting behavior changes as a result of the program.</li> <li>By June 2016, report number of new shoreline property owners reached.</li> <li>By June 2016, report number of additional contacts for assistance resulting from the welcome packets.</li> <li>Net acres of shellfish beds re-opened.</li> </ul>	Washington State University Extension	Thurston Conservation District, Thurston County Planning Department, Pierce Conservation District, Mason Conservation District
<u>C</u>	1.5	Control wastewater and other sources of pollution such as oil and toxics from boats and vessels.	WS 9WC10 <sup>15</sup>	<b>West Sound pump out stations.</b> By January 2013, Kitsap Public Health District will identify potential pump out stations and develop needs assessment to address marine vessel sewage.	<ul style="list-style-type: none"> <li>To be determined By January 2015, deliver needs assessment report to Kitsap County Surface and Stormwater Management.</li> <li>By June 2015, identify pump out station locations (likely candidates are Port Madison Bay, Port Gamble Bay, and Seabeck).</li> <li>By June 2015, identify long term funding source for work on vessel waste issues.</li> </ul>	Kitsap County Kitsap Public Health District	
<u>C</u>	2	<b>Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales</b>					
<u>C</u>	2.1	Manage urban runoff at the basin and watershed scale.	ISL7	<b>The City of Oak Harbor will implement Freund Marsh restoration and stormwater improvement project.</b> The project will restore natural treatment	<ul style="list-style-type: none"> <li>By December 2015, restore 18.1 acres of wetland.</li> <li>By December 2015, reduce</li> </ul>	City of Oak Harbor	

<sup>15</sup> Near-term action updated. All West Central near-term actions recoded with "WC."

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
			<p><u>functions to reduce nutrient loading and improve flow rates by increasing infiltration in Oak Harbor, the only urban watershed in the County. The project will complete the Freud Marsh improvements including a trails network and interpretive center to educate public about stormwater, water quality, and wetland issues.</u></p>	<p><u>stormwater flow rates and nutrient and bacterial loading into Puget Sound.</u></p> <ul style="list-style-type: none"> <li>● <u>By December 2015, complete trails network around Freud Marsh and install interpretive center.</u></li> </ul>			
C	2.1	Manage urban runoff at the basin and watershed scale.	SNST2	<p><b><u>Identify existing data and prioritize needs.</u></b></p> <ul style="list-style-type: none"> <li>● <u>Water quality: Compile water quality data from the previous 10 years for streams in the Snohomish and Stillaguamish River watersheds, and evaluate available data to establish priority areas for water quality improvements.</u></li> <li>● <u>Culverts: Collect and assess existing data on public and private stream culverts in the Snohomish and Stillaguamish basins to identify high priority culverts for replacement based on multiple factors, such as fish passage.</u></li> <li>● <u>Map systems: Inventory and map stormwater facilities and conveyance systems in the Snohomish and Stillaguamish basins, and begin to prioritize the need for public and private stormwater retrofits.</u></li> </ul>	<ul style="list-style-type: none"> <li>● <u>By December 2014, compile available stream water quality data and identify gaps in data.</u></li> <li>● <u>By December 2015, analyze water quality data to identify priority areas for water quality improvements.</u></li> <li>● <u>In 2014 and 2015, explore and facilitate partnerships.</u></li> <li>● <u>By December 2014, compile available culvert data, including past analyses of fish passage and flooding conditions, as well as upstream habitat.</u></li> <li>● <u>By February 2015, identify data gaps.</u></li> <li>● <u>By December 2015, identify specific public and private priority culverts for replacement.</u></li> <li>● <u>By December 2014, compile available inventory data for public and private stormwater facilities and conveyance systems and identify data gaps.</u></li> <li>● <u>By December 2015, evaluate existing public and private stormwater facilities in selected areas for their potential to be retrofitted to improve water quality or downstream flows.</u></li> </ul>	LIO (reporter)	King County and cities, Snohomish County and cities, Snohomish Conservation District

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
<u>C</u>	2.1	<u>Manage urban runoff at the basin and watershed scale.</u>	<u>SS6</u>	<p><b><u>South Puget Sound nutrient reduction strategy.</u></b>  <u>Implement nutrient reduction strategies as recommended in the Ecology dissolved oxygen study or as indicated from modeling results based on that report.</u></p>	<ul style="list-style-type: none"> <li>• <u>Continue to track dissolved oxygen study.</u></li> <li>• <u>By June 2015, begin discussions with Ecology to identify recommendations for nutrient reduction.</u></li> <li>• <u>By June 2016, Alliance for a Healthy South Sound (LIO) technical team will work with the Ecology to develop specific recommendations for sub-basin nutrient reduction plans (based on dissolved oxygen report) in South Sound.</u></li> </ul>	<u>LIO</u>	<u>ECO Net</u>
<u>C</u>	2.1	<u>Manage urban runoff at the basin and watershed scale.</u>	<u>WH11</u>	<p><b><u>Implement the Birch Bay watershed and aquatic resources management (BBWARM) district stormwater program.</u></b>  <u>The BBWARM program includes both capital and programmatic elements to improve water quality, reduce flooding, and protect aquatic habitat. BBWARM works with a variety of partners including the Birch Bay Shellfish Protection District, Birch Bay Water Sewer District, Whatcom Conservation District, NSEA, MRC, and other Whatcom County programs. BBWARM program areas include:</u></p> <ul style="list-style-type: none"> <li>• <u>Capital Improvement Projects</u></li> <li>• <u>Maintenance and Operations</u></li> <li>• <u>Water Quality Monitoring</u></li> <li>• <u>Education and Outreach</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Design and construct stormwater retrofit projects per the 6-Year Water Resources Improvement Program.</u></li> <li>• <u>In 2014, complete the Central-North and Central-South Subwatershed Master Plans.</u></li> <li>• <u>In 2015, complete the draft Terrell Creek Subwatershed Master Plan.</u></li> <li>• <u>Host a minimum of three outreach events each year (e.g., rain barrel workshops, Discovery Days, Whatcom Water Weeks event).</u></li> <li>• <u>Write and distribute an annual newsletter.</u></li> <li>• <u>Maintain 11 pet waste stations near Birch Bay.</u></li> <li>• <u>Participate in Whatcom County's pollution identification and correction program.</u></li> <li>• <u>Participate in Whatcom</u></li> </ul>	<u>Whatcom County</u>	<u>BBWARM</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			County's NPDES Phase II program.		
C	2.2 Prevent problems from new development at the site and subdivision scale.	SJI 3 <sup>16</sup> SJ Improve Stormwater Permit Review. San Juan County Community Development and Planning Department (CDPD) and the Town of Friday Harbor will improve the stormwater permit review process with pre-disturbance site review and follow-up site visits at 50 percent of properties permitted between 2012-2015.	<ul style="list-style-type: none"> <li>Pre-disturbance site review and follow-up site visits at 50 percent of properties permitted between 2012-2015</li> </ul>	SJC	
C	2.2 Prevent problems from new development at the site and subdivision scale.	STRT 5 <sup>17</sup> Straits Stormwater Management Programs. Stormwater Management Program Updates and Implementation (Clallam, Jefferson, Port Angeles, Sequim, and Port Townsend) a. City of Port Townsend Stormwater Management Plan b. City of Sequim Stormwater Management Plan c. City of Port Angeles CSO reduction d. City of Port Angeles NPDES Stormwater Management Program implementation e. Jefferson County Public Education Plan implementation f. Jefferson County low impact development and BMP staff training g. Jefferson County low impact development and BMP training for development community h. Clallam County stormwater technical assistance i. Clallam County outreach and education j. Clallam County stormwater monitoring and data analysis k. Clallam County stormwater management staff training l. Clallam County land use analysis m. Clallam County Stormwater Management Plan n. Speaker forum on reducing stormwater impacts from roads	<ul style="list-style-type: none"> <li>Recommended option: Adoption of LID incentives and ordinances by all 5 Strait Action Area local jurisdictions; Alternative Option: Initiate or complete 25% of the new Priority Actions identified by the Strait ERN for the Strait Action Area</li> </ul>		
C	2.2 Prevent problems from new development at the	SJI5 <b>Control and mitigate stormwater runoff (Near Term Run Off Action I).</b>	<ul style="list-style-type: none"> <li>Improve county stormwater permit review process and</li> </ul>	LIO (reporter)	San Juan County

<sup>16</sup> NTA updated, see C2.2 SJI5.

<sup>17</sup> NTA split into multiple, updated, NTAs.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
	<u>site and subdivision scale.</u>		<p><u>existing codes.</u></p> <ul style="list-style-type: none"> <li>○ <u>Between 2014 and 2016, actions in process and codes should include pre-disturbance site review and follow-up site visits for at least 50% of properties permitted.</u></li> <li>● <u>The Town of Friday Harbor will continue existing permitting and pre-review for 100% of site disturbance development to ensure compliance with sediment control and water runoff issues. Friday Harbor will also conduct follow-up site visits of largest disturbed sites to review applicants' compliance with the town's Storm Water Technical Manual for at least 10% of all sites.</u></li> <li>○ <u>By December 2014, the Town of Friday Harbor is investigating feasibility and engineering for waterfront stormwater vault containing Ecology-approved cartridge filters.</u></li> <li>○ <u>By December 2015, the Town of Friday Harbor will construct a waterfront stormwater vault containing Ecology-approved cartridge filters.</u></li> </ul>		<u>Community Development and Planning Department (CDPD), Town of Friday Harbor</u>	
<u>C</u>	<u>2.2 Prevent problems from new development at the site and subdivision scale.</u>	<u>SNST15</u>	<u>Low impact development. Provide funding for the construction of up to five Low Impact Development projects in the Snohomish and Stillaguamish basins, including the City of Everett's Green Stormwater Infrastructure Implementation Program.</u>	<u>By December 2015, construct five low impact development projects.</u>	<u>LIO (reporter)</u>	<u>King County and cities, Snohomish County and cities, Snohomish Conservation</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
<u>C</u>	2.2 Prevent problems from new development at the site and subdivision scale.	SC9 <b>Share information on low impact development /green stormwater infrastructure and facilitate the transition from conventional stormwater management.</b> <ul style="list-style-type: none"> <li>Use LIO as a forum for sharing approaches to implementing Low Impact Development policies.</li> <li>Encourage local government participation in Washington State University Low Impact Development technical workshops.</li> <li>Support ECO Net endorsed education and outreach efforts for this near-term action.</li> <li>Support development of regulations that implement Action Agenda priorities.</li> </ul>	<ul style="list-style-type: none"> <li>By December 2015, hold two forums that highlight successful integration of low impact development/green stormwater infrastructure into local regulations.</li> </ul>	LIO	District
<u>C</u>	2.2 Prevent problems from new development at the site and subdivision scale.	STRT17 <b>Implement the highest priority projects listed within the City of Sequim Restoration Plan, a part of the city's updated Shoreline Master Program.</b> The current focus for this action is on Restoration Priority 7.1 from the city's Restoration Plan, namely "Improve Water Quality and Reduce Pollutant Delivery". This focus area is also a part of the local near-term action titled Develop a Storm and Surface Water Management Plan for the City of Sequim.	<ul style="list-style-type: none"> <li>By 2016, adopt Storm and Surface Water Management Plan and drafts of ordinances</li> </ul>	City of Sequim Department of Community Development	
<u>C</u>	2.2 Prevent problems from new development at the site and subdivision scale.	STRT27 <b>Adopt the City of Port Townsend's Stormwater Management Plan.</b> Review and adopt local Low Impact Development codes and standards related to stormwater management and land development practices, to include an evaluation of stormwater conditions and needs within the 18 sub-basins of Port Townsend.	<ul style="list-style-type: none"> <li>By 2016, adopt Stormwater Management Plan</li> </ul>	City of Port Townsend Public Works Department	
<u>C</u>	2.2 Prevent problems from new development at the site and subdivision scale.	STRT28 <b>Develop and adopt a Storm and Surface Water Management Plan for the City of Sequim.</b> Develop a Storm and Surface Water Management Plan, including adoption of Low Impact Development incentives and stormwater ordinances to support surface water pollution reduction. Initially, conduct a stormwater management needs assessment and develop a Storm and Surface Water Management Master Plan, including the possibility of a utility.	<ul style="list-style-type: none"> <li>By 2016, adopt Storm and Surface Water Management Plan and drafts of ordinances</li> </ul>	City of Sequim Public Works Department	
<u>C</u>	2.2 Prevent problems from new development at the site and subdivision scale.	STRT30 <b>Implement the City of Port Angeles NPDES Phase II permit and Stormwater Management Program.</b>	<ul style="list-style-type: none"> <li>By March 2015, meet 100% of permit compliance conditions</li> </ul>	City of Port Angeles Public	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>site and subdivision scale.</u>	<u>Implement NPDES Phase II Stormwater Management Program, including Low Impact Development incentives and ordinances to support surface water pollutant reduction.</u>	<u>as documented in the 2015 annual report.</u> ● <u>By March 2016, meet 100% of permit compliance conditions as documented in the 2016 annual report.</u>	<u>Works Department</u>	
<u>C</u>	<u>2.2 Prevent problems from new development at the site and subdivision scale.</u>	<u>STRT32 Update, adopt, and implement the Clallam County Stormwater Management Plan. Update and implement the Clallam County Stormwater Management Plan, including adoption of Low Impact Development incentives and ordinances to support stormwater management.</u>	● <u>Adopt Stormwater Management Plan and ordinances (no target adoption date available at this time)</u>	<u>Clallam County Department of Community Development</u>	
<u>C</u>	<u>2.3 Fix problems caused by existing development.</u>	<u>HC4<sup>18</sup> HCCC Stormwater Retrofit Program. HCCC will develop the Hood Canal Regional Stormwater Retrofit Plan to coordinate stormwater and low impact development retrofit efforts on a regional scale. Stormwater retrofit and Low Impact Development practices improve water quality, help protect shellfish beds, decrease flooding risks and increase aquifer recharge.</u>	● <u>By the end of 2014 a list of prioritized stormwater retrofit projects will be available to determine feasibility for implementation</u>	<u>HCCC</u>	
<u>C</u>	<u>2.3 Fix problems caused by existing development.</u>	<u>HC4 HCCC stormwater retrofit plan. Stormwater retrofit and Low Impact Development practices improve water quality, help protect shellfish beds, decrease flooding risks, and increase aquifer recharge. HCCC is developing a Hood Canal Regional Stormwater Retrofit Plan to coordinate stormwater and Low Impact Development retrofit efforts on a regional scale. The plan will include conceptual designs for 10 to 12 retrofit projects in the Hood Canal Action Area, which will be implemented by the county governments or other partners as funding is available.</u>	● <u>By fall 2014, HCCC will complete and distribute the Hood Canal Regional Stormwater Retrofit Plan with priority retrofit projects to jurisdictions, regional partners, and relevant state agencies.</u> ● <u>Through spring 2016, HCCC will provide support to Hood Canal jurisdictions to plan and seek funds for implementing two priority retrofit projects.</u> ● <u>Through spring 2016, HCCC will track jurisdiction implementation and barriers to implementation (such as funding constraints) of</u>	<u>LIO (Coordination/Facilitation)</u>	

<sup>18</sup> NTA updated and realigned with Strategy C.2.5.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
C	2.3	Fix problems caused by existing development.	WS 5 <sup>19</sup>	<b>West Sound stormwater retrofit projects.</b> Kitsap County Surface and Stormwater Management Program, in coordination with jurisdictions and other partners, will design and construct high priority retrofit projects treating 10 acres of pollution-generating impervious surfaces.	<p>priority retrofit projects.</p> <ul style="list-style-type: none"> <li>By December 2015, treat 10 acres of impervious surface</li> </ul>	Kitsap County
C	2.3	Fix problems caused by existing development.	WH12	<p><b>Lake Whatcom watershed stormwater projects.</b> Implement stormwater retrofit projects identified in the Lake Whatcom Comprehensive Stormwater Plan.</p> <ul style="list-style-type: none"> <li>Coronado-Fremont Stormwater Improvements: Construction of Phase 1 in 2013 included a bio-infiltration swale and stormwater vaults. The project will treat runoff from approx. 10 acres.</li> <li>Academy Road Stormwater Improvements: Partner with the City of Bellingham on a joint stormwater retrofit project to improve stormwater quality in the Lake Whatcom Watershed. This project will treat runoff from approximately 80 acres.</li> <li>Cedar Hills/Euclid Stormwater Improvements: Install rain gardens, filter vaults, and treatment swales. This project will treat runoff from approximately 60 acres.</li> </ul>	<ul style="list-style-type: none"> <li>Coronado-Fremont Stormwater Improvements: <ul style="list-style-type: none"> <li>By October 2014, Whatcom County to complete restoration of about 600 feet of creek channel and install treatment vaults.</li> </ul> </li> <li>Academy Road Stormwater Improvements—Whatcom County with City of Bellingham to: <ul style="list-style-type: none"> <li>By September 2014, complete engineering design.</li> <li>By October 2015, construct pretreatment unit, biofiltration swale, filter cartridge vault, high flow bypass, and a vegetated buffer along the lake front.</li> </ul> </li> <li>Cedar Hills/Euclid Stormwater Improvements: <ul style="list-style-type: none"> <li>By September 2015, Whatcom County to complete design.</li> </ul> </li> </ul>	Whatcom County
C	2.3	Fix problems caused by existing development.	WH13	<p><b>Birch Bay area stormwater projects.</b> Implement stormwater retrofit projects identified in the Birch Bay Comprehensive Stormwater Plan:</p> <ul style="list-style-type: none"> <li>Birch Bay Stormwater Priority Retrofit Projects Pre-Design: Ecology Watershed protection and Restoration grant-funded project to complete</li> </ul>	<ul style="list-style-type: none"> <li>Birch Bay Stormwater Priority Retrofit Projects Pre-Design: <ul style="list-style-type: none"> <li>By December 2014, complete four preliminary solutions reports and four</li> </ul> </li> </ul>	Whatcom County

<sup>19</sup>NTA completed.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
			<p><u>preliminary design and analysis for priority capital projects.</u></p> <ul style="list-style-type: none"> <li>● <u>Beachway Drive &amp; Fern/Park Stormwater Improvements: Stormwater retrofit project to improve stormwater quality entering Birch Bay and reduce flooding impacts.</u></li> <li>● <u>Harborview Road Culvert Replacement: Replace undersized driveway culverts and catch basins to alleviate flooding along Harborview Road.</u></li> <li>● <u>Cottonwood Drive Drainage Improvements: Stormwater retrofit project to improve conveyance from uplands areas, reduce nearshore flooding, and provide additional drainage connections along Birch Bay Drive. Water quality treatment options will be incorporated.</u></li> </ul>	<p><u>pre-design reports.</u></p> <ul style="list-style-type: none"> <li>● <u>Beachway Drive &amp; Fern/Park Stormwater Improvements:</u> <ul style="list-style-type: none"> <li>○ <u>By December 2014, replace one to two outfall structures, install an improved stormwater conveyance system, and install water quality treatment swales.</u></li> </ul> </li> <li>● <u>Harborview Road Culvert Replacement:</u> <ul style="list-style-type: none"> <li>○ <u>By December 2014, complete engineering design.</u></li> <li>○ <u>By December 2015, replace 10 undersized driveway culverts and two undersized catch basins.</u></li> </ul> </li> <li>● <u>Cottonwood Drive Drainage Improvements:</u> <ul style="list-style-type: none"> <li>○ <u>By September 2015, complete engineering design.</u></li> </ul> </li> </ul>			
<u>C</u>	<u>2.3</u>	<u>Fix problems caused by existing development.</u>	<u>WH14</u>	<p><b>Ferndale stormwater projects.</b> Implement stormwater projects that address runoff to the Nooksack River, and that are identified in the City of Ferndale Stormwater Management Plan.</p> <ul style="list-style-type: none"> <li>● <u>Gateway Stormwater Facility projects: Upgrade the stormwater conveyance reaches identified in the 2013 Ferndale Gateway Stormwater Study and planned for implementation (project reaches W-R-2 and W-R-3).</u></li> <li>● <u>Decant Design and Construction: Design and construct a covered facility for the City of Ferndale stormwater decant process, which currently is located in the floodplain.</u></li> <li>● <u>City of Ferndale Stormwater Studies: Complete stormwater drainage studies for two areas within the City of Ferndale: Main Street and Labounty and Thornton Street Stormwater Pond.</u></li> </ul>	<ul style="list-style-type: none"> <li>● <u>Gateway Stormwater Facility projects:</u> <ul style="list-style-type: none"> <li>○ <u>By December 2016, construct two stormwater facilities.</u></li> </ul> </li> <li>● <u>Decant Design and Construction:</u> <ul style="list-style-type: none"> <li>○ <u>By December 2014, complete the decant design, pending a new site location.</u></li> <li>○ <u>By December 2016, construct.</u></li> </ul> </li> <li>● <u>City of Ferndale Stormwater Studies:</u> <ul style="list-style-type: none"> <li>○ <u>By December 2014, complete Main Street RAB</u></li> </ul> </li> </ul>	<u>City of Ferndale</u>	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
				Stormwater Study. ○ By December 2016, complete Thornton Street Stormwater Pond.			
<u>C</u>	2.3	<u>Fix problems caused by existing development.</u>	ISL12	<b>Identify, map, and prioritize blocked and failing culverts and replace one to two priority culverts using fish-friendly passage designs.</b> Fish-blocking culverts negatively affect flood risk, scouring, erosion, landslides, and water quality. Island County will map all existing culverts noting which are blocked and failing, and will create a prioritization schedule for replacing these culverts.	<ul style="list-style-type: none"> <li>● By January 2014, hire a full-time equivalent employee to be project manager for culvert replacement with fish-friendly passage.</li> <li>● By July 2014, develop a prioritization of blockages, failing culverts, flood risks, etc. Report to include ecosystem benefits for each project.</li> <li>● By December 2015, reduce flood risk and remove fish blockage for top two to three prioritized culverts.</li> </ul>	Island County Department of Natural Resources	
<u>C</u>	2.3	<u>Fix problems caused by existing development.</u>	SNST10	<b>Inspections and maintenance.</b> Provide regular inspections of public and private stormwater facilities in the Snohomish and Stillaguamish basins and identify prescriptive maintenance needs and retrofit opportunities.	<ul style="list-style-type: none"> <li>● By December 2014, secure funding for local cities that are challenged to provide regular inspections of existing stormwater facilities.</li> <li>● By December 2015, conduct stormwater facility inspections to identify prescriptive maintenance needs and retrofit opportunities.</li> </ul>	LIO (reporter)	King County and cities, Snohomish County and cities, Snohomish Conservation District
<u>C</u>	2.3	<u>Fix problems caused by existing development.</u>	SC6	<b>Identify, guide, and fund stormwater retrofits.</b> <ul style="list-style-type: none"> <li>● Complete WRIA 9 retrofit study and promote it as a model.</li> <li>● Advocate locally and sound-wide through the LIO for increased funding for priority stormwater retrofit projects.</li> <li>● Participate in the Commerce’s technical assistance and study of examples of urban-specific implementation or stormwater retrofit projects.</li> <li>● Support ECO Net endorsed education and</li> </ul>	<ul style="list-style-type: none"> <li>● By September 2014, comment on Ecology’s retrofit prioritization and allocation criteria.</li> <li>● By January 2015, identify and analyze funding mechanisms that incorporate existing and new funding.</li> <li>● By June 2015, complete WRIA 9 retrofit study.</li> <li>● By December 2015, identify</li> </ul>	LIO	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<u>outreach efforts for this near-term action.</u>	<p>next steps to support carrying out stormwater retrofit planning and projects throughout the South Central Puget Sound Action Area.</p> <ul style="list-style-type: none"> <li>● <u>By June 2014, report on monitoring and modeling tools for future stormwater retrofit evaluations.</u></li> <li>● <u>By December 2015, implement 15 stormwater retrofit projects.</u></li> <li>● <u>By December 2015, complete Swan Creek Watershed Characterization and Action Plan, and implement at least one retrofit project.</u></li> </ul>		
<u>C</u>	2.3 <u>Fix problems caused by existing development.</u>	<p><u>SC7</u></p> <p><b>Promote operation and maintenance and improvements to existing stormwater systems.</b>  Promote, support and guide technical assistance for local government adoption of improved operation and maintenance techniques for existing stormwater infrastructure, such as:</p> <ul style="list-style-type: none"> <li>● <u>System flushing</u></li> <li>● <u>Vactoring</u></li> <li>● <u>High-efficiency street cleaning</u></li> </ul>	<ul style="list-style-type: none"> <li>● <u>By December 2015, create a list of the number of local jurisdictions implementing, and types of local operation and maintenance techniques.</u></li> </ul>	<u>LIO</u>	
<u>C</u>	2.3 <u>Fix problems caused by existing development.</u>	<p><u>WC21</u></p> <p><b>Ridgetop Boulevard Green Street.</b> Kitsap Surface and Stormwater Management will install 10-14 median bioretention (rain gardens) facilities on Ridgetop Boulevard near Silverdale, treating 18 acres of road runoff and reducing fecal coliform and other contaminants flowing into Dyes Inlet.</p>	<ul style="list-style-type: none"> <li>● <u>By December 2015, install 10–14 median bioretention (rain gardens) facilities on Ridgetop Boulevard.</u></li> <li>● <u>Statistically significant declining fecal coliform trend at the northern Dyes Inlet marine stations during the wet season. Volume of runoff reduced based upon modeling and amount of annual rainfall can be reported.</u></li> <li>● <u>Protection of shellfish acres.</u></li> </ul>	<u>Kitsap SSWM</u>	
<u>C</u>	2.3 <u>Fix problems caused by existing development.</u>	<p><u>WC22</u></p> <p><b>Poulsbo Low Impact Development retrofit study for Upper South Fork Dogfish Creek basin and</b></p>	<ul style="list-style-type: none"> <li>● <u>By June 30, 2014, secure funding for plan</u></li> </ul>	<u>City of Poulsbo</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<b>downtown Poulsbo.</b> City of Poulsbo will seek funding and complete stormwater retrofit plans for the Upper South Fork Dogfish Creek Basin and Downtown Poulsbo basins.	development. <ul style="list-style-type: none"> <li>By June 30, 2016, complete stormwater retrofit plans.</li> </ul>		
<u>C</u>	<u>2.3</u> Fix problems caused by existing development.	<u>WC23</u> <b>Gig Harbor stormwater retrofit study.</b> City of Gig Harbor and Pierce County will complete a stormwater retrofit study for the City of Gig Harbor. The primary deliverable will be a comprehensive, prioritized list of beneficial stormwater projects within the City. Once completed, Gig Harbor and Pierce County can include identified projects on their Capital Facilities Plans and/or apply for relevant stormwater retrofit grants to fund construction.	<ul style="list-style-type: none"> <li>By December 2014, prioritize list of beneficial stormwater projects.</li> </ul>	City of Gig Harbor	Pierce County
<u>C</u>	<u>2.3</u> Fix problems caused by existing development.	<u>WC27</u> <b>Marine Drive/Kitsap Way/Oyster Bay Avenue storm system filtration retrofit.</b> With a goal of improving water quality impacting shellfish harvest in Oyster and Ostrich bays, the City of Bremerton will install a passive stormwater filtration system prior to the outfall into Oyster Bay and Low Impact Development components along approximately 1.5 miles and 65 acres on Marine Drive, approximately 31 acres along the north portion of Kitsap Way, and approximately 1.5 miles and 40 acres on Oyster Bay Avenue.	<ul style="list-style-type: none"> <li>By March 2015, install passive stormwater filtration system and Low Impact Development components.</li> <li>Contaminants in road runoff reduced.</li> <li>Shellfish beds re-opened or upgraded.</li> <li>Determine baseline flow and water quality characteristics and compare with post-construction to determine effects of the project.</li> </ul>	City of Bremerton	
<u>C</u>	<u>2.3</u> Fix problems caused by existing development.	<u>WC28</u> <b>Ostrich Bay Creek retrofit plan design.</b> With a goal of improving water quality impacting shellfish harvest in Oyster and Ostrich bays, the City of Bremerton will complete a stormwater retrofit design study for Ostrich Bay Creek. The retrofit design plan will evaluate and determine the best locations and types of Low Impact Development components to use for this drainage basin. The basin is more than 230 acres of pervious and impervious surface used for light commercial facilities, residences and State Highway. The plan will address water quality and quantity issues that impact Ostrich Bay Creek by using various Low Impact Development components and treatment systems. The City will pursue funding through the	<ul style="list-style-type: none"> <li>By December 2014, complete stormwater retrofit design study for Ostrich Bay Creek.</li> </ul>	City of Bremerton	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<u>LIO process, grants, and local partnerships to construct the designed components as funding is made available.</u>			
<u>C</u>	2.3 <u>Fix problems caused by existing development.</u>	STRT35 <b>Complete the collection of habitat information for use by WSDOT to inform the prioritization of stormwater road retrofit projects within the Strait Action Area.</b>	<ul style="list-style-type: none"> <li>By 2016, 100% complete and habitat information submitted to WSDOT, depending on staffing constraints.</li> </ul>	To be determined	WDFW
C	2.4 Control sources of pollutants.	SJI 5 <sup>20</sup> SJI Coordinated Best Management Practices. San Juan County Public Works will convene Community Development and Planning Department (CDPD), Department of Health and Community Services (DHCS), and the San Juan Islands Conservation District (CD) to identify and coordinate best management practices for stormwater, on-site septic systems, and animal wastes with community participation by 2013.	<ul style="list-style-type: none"> <li>CDPD, DHCS, CD, and the Town of Friday Harbor will publicize information by the second quarter of 2014 at the DHCS, CDPD, and Town permit counters and associated websites, with a goal to target 100% of applicants by the end of 2014. San Juan County will provide for identified best management practices in County Code by 2014.</li> </ul>	SJC	
C	2.4 Control sources of pollutants.	SJI 6 <sup>21</sup> SJI Stormwater Monitoring. San Juan County Public Works Stormwater Utility will lead and work jointly with the Stormwater Committee, the Water Resources Committee, the Marine Resources Committee, and the Town of Friday Harbor to implement an annual strategic monitoring plan by 2013 to measure levels of fecals, heavy metals, POPs, and PAHs in priority basins.	<ul style="list-style-type: none"> <li>In the first year post-implementation, monitor 100% of priority basins, with monitoring actions ongoing after 2014.</li> </ul>	SJC	
<u>C</u>	2.4 <u>Control sources of pollutants.</u>	STRT34 <u>Continue Clallam County Streamkeepers ambient monitoring program to understand stormwater baseline conditions and expand monitoring according to the Washington State Stormwater Work Group recommendations. Consider partnerships with the cities of Port Angeles and Sequim to accomplish this action.</u>	<ul style="list-style-type: none"> <li>By 2016, obtain funding to revise and expand ambient monitoring program, as per Washington State Stormwater Work Group Recommendations, in anticipation of future adoption of a Clallam County Stormwater Management</li> </ul>	Clallam County Streamkeepers	

<sup>20</sup> Near-term action updated.

<sup>21</sup> Near-term action updated.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
C	2.5 Provide focused stormwater-related education, training, and assistance.	WC4 <sup>22</sup> <b>West Sound <u>Low Impact Development Training</u>.</b> <del>By December 2014,</del> Kitsap County Surface and Stormwater Management Program – with direct assistance from and close coordination with other stormwater utilities and agencies in the County – will provide training for 80% of <u>Low Impact Development</u> <del>LD</del> professionals in Kitsap County, including plan review staff, designers, installers, inspection, and maintenance staff.	<u>Plan and Ordinance.</u> • Training for 80% of LID professionals in Kitsap County by December 2014	Kitsap SSWM	
C	2.5 <u>Provide focused stormwater-related education, training, and assistance.</u>	SJ17 <b><u>Provide technical and financial assistance, outreach, incentives, education and natural resource planning on a voluntary basis to interested residents to improve stormwater management and reduce polluted runoff and nutrient loading into the marine environment (Near-Term Run Off Action III).</u></b>	<ul style="list-style-type: none"> <li>• <u>Complete 30 voluntary farm management plans, provide cost-share funding to implement 50 BMPs.</u></li> <li>• <u>Provide education and outreach to at least 200 residents.</u></li> <li>• <u>Publicize BMPs at the San Juan County Department of Health and Community Services, San Juan County Community Development and Planning Department, and Town of Friday Harbor permit center.</u></li> </ul>	LIO (reporter)	San Juan Islands Conservation District, Green Shores for Homes, Friends of the San Juans, San Juan County CDPD, SJC Public Works Stormwater Utility, Town of Friday Harbor, Department of Health and Community Services, WSU Extension
C	2.5 <u>Provide focused stormwater-related education, training, and assistance.</u>	SC8 <b><u>Increase education of and stewardship by homeowners and businesses to reduce stormwater pollution.</u></b> • Increase education of and stewardship by homeowners, businesses, and institutions to reduce pollutant loadings to stormwater (e.g., fertilizers, pesticides, oils, cleaners).	• <u>By December 2015, identify number of persons and businesses reached.</u>	ECO Net	Ecology

<sup>22</sup> NTA updated. All West Central NTAs recoded with “WC”.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<ul style="list-style-type: none"> <li>Support ECO Net endorsed education and outreach efforts for this action.</li> </ul>			
<u>C</u>	2.5 Provide focused stormwater-related education, training, and assistance.	SS5 <b>Small community stormwater reduction program.</b> Develop and enhance program with education, advocacy, and restoration elements addressing non-NPDES mandated stormwater programs in small communities.	<ul style="list-style-type: none"> <li>Develop or enhance programs with education, advocacy, and restoration elements in each of the following communities: Oakland Bay, Hammersley Inlet, Case Inlet, Pickering Passage, and Nisqually Watershed.</li> <li>Program measures for the development and enhancement of these programs should include the following. <ul style="list-style-type: none"> <li>By June 2015, outline pilot programs and enhancements, as well as identify success measures.</li> <li>Integrate with other ongoing programs where feasible.</li> <li>By December 2015, implement programs.</li> <li>By January 2016, evaluate and report.</li> <li>By June 2016, adapt all programs to use successful measures.</li> </ul> </li> </ul>	WSU Extension	Mason Conservation District, Nisqually Tribe, Squaxin Island Tribe, Mason County, Thurston County, Thurston Conservation District, Pierce Conservation District, Town of Eatonville, City of Yelm, and other non-NPDES communities
<u>C</u>	2.5 Provide focused stormwater-related education, training, and assistance.	WC24 <b>Low Impact Development peer leaders network.</b> With funding provided through Kitsap County Surface and Stormwater Management, WSU Cooperative Extension will develop and implement a Low Impact Development professionals network program.	<ul style="list-style-type: none"> <li>By December 2014, grant funds secured.</li> <li>By June 30, 2016, Low Impact Development professionals network implemented.</li> <li>Increased Low Impact Development in Kitsap (if resources exist to measure).</li> </ul>	WSU Extension Kitsap	Kitsap SSWM
<u>C</u>	2.5 Provide focused stormwater-related education, training, and assistance.	STRT31 <b>Provide stormwater education, training, and technical assistance in Jefferson County and Port Townsend using a watershed-based approach through implementation of Phase 2 of SquareONE.</b>	<ul style="list-style-type: none"> <li>By 2016, hold four workshops.</li> <li>Number of attendees at workshops and before and after surveys showing</li> </ul>	Jefferson County Department of Community	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
		<p><u>Consider expansion of the SquareONE concept to the other three local jurisdictions within the Strait Action Area. Following lessons learned from the SquareONE pilot project in Jefferson County, consider implementing Phase 2 to include the City of Port Townsend. Also, consider possible expansion of the concept to the other three local jurisdictions within the Strait Action Area. Phase 2 would (a) Implement the stormwater management public education plans in Jefferson County and Port Townsend by increasing citizen awareness and capacity to self-select preferred actions and methods; (b) Provide training on BMPs and Low Impact Development to the development community to increase capacity for successful site assessment and facility design, installation, and maintenance; and (c) Provide training to county and city staff to increase capacity for successful plan review and site inspections. (Note: This action has a double benefit in that it is also linked to B1.3 STRT18.)</u></p>	<p><u>improved knowledge.</u></p> <ul style="list-style-type: none"> <li>● <u>By December 2016, complete a final report on decisions to expand the SquareONE concept to other Strait Action Area local jurisdictions.</u></li> </ul>	<p><u>Development</u></p>		
<p><u>C</u></p>	<p><u>2.5 Provide focused stormwater-related education, training, and assistance.</u></p>	<p><u>STRT33</u></p>	<p><b><u>Provide stormwater management education, training, and technical assistance in Clallam County using a watershed-based approach.</u></b> Consider partnerships with the cities of Port Angeles and Sequim to accomplish this action. Work to (a) increase citizen awareness and understanding of the importance, need, and techniques for stormwater management and familiarity with the new stormwater management plans requirements; (b) provide technical assistance to homeowners in Clallam County to assist in implementation of Low Impact Development BMPs contained with the Small Project Drainage Manual; and (c) provide training in Low Impact Development and BMPs to Clallam County staff to improve development plan review, site inspections, and assistance at the Permit Center. Consider partnerships with the cities of Port Angeles and Sequim. Also consider the Watershed Stewardship Resource Center concept used in Jefferson County and City of Port Townsend to accomplish this action.</p>	<ul style="list-style-type: none"> <li>● <u>Number of attendees at workshops and before and after surveys showing improved knowledge.</u></li> <li>● <u>Usage of the Permit Center (no target dates available at this time).</u></li> </ul>	<p><u>Clallam County Department of Community Development</u></p>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
<b>C</b>	<b>3</b>	<b>Prevent, reduce, and control agricultural runoff</b>				
<u>C</u>	<u>3.1</u>	<p><u>Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery.</u></p> <p>ISL8</p>	<p><b>Implement a small farm water quality improvement project in Ebey's Prairie.</b> The project will include water quality treatment technology (e.g., grassy swales, filter strips, phytoremediation) and landowner farm practices (e.g., manure management, filter strips) to reduce non-point stormwater pollution.</p>	<ul style="list-style-type: none"> <li>● By December 2015, reduce nutrient and bacteria levels in stormwater runoff.</li> <li>● By December 2015, implement five water quality BMPs in watershed.</li> </ul>	Whidbey Island Conservation District	
<u>C</u>	<u>3.2</u>	<p><u>Ensure compliance with regulatory programs designed to reduce, control, or eliminate pollution from working farms</u></p> <p>SNST3</p>	<p><b>Agricultural runoff.</b> Engage with the WSCC Agriculture Stormwater Committee to develop implementation and monitoring priorities related to agricultural runoff in the Snohomish and Stillaguamish basins. Both the King Conservation District and the Snohomish Conservation District will work with agricultural producers and livestock owners to implement BMPs that will address water quality and habitat resource concerns.</p>	<ul style="list-style-type: none"> <li>● During 2014–2015, attend and participate in drafting of priorities.</li> <li>● During 2014–2016, share information with Snohomish-Stillaguamish LIO to include in Action Agenda.</li> <li>● During 2014–2016, assist landowners to voluntarily implement BMPs, including but not limited to, livestock fencing, off-stream and solar pumps for stock watering, nutrient management, manure bins, installation of hedgerows and riparian forest buffers, pasture management, and filter strips on their land to improve habitat and protect water quality.</li> <li>● During 2014–2016, assist landowners with compliance of existing water pollution and Critical Areas Regulations requirements.</li> </ul>	Snohomish Conservation District	King Conservation District
<b>C</b>	<b>4</b>	<b>Prevent, reduce, and control surface runoff from forest lands</b>				
<u>C</u>	<u>4.2</u>	<p><u>Maintain forest roads and implement road abandonment plans for working forest lands subject to the Forest Practices Rules on schedule, and ensure</u></p> <p>WH2</p>	<p><b>WRIA 1 Forest Road Inventory and Assessment for implementation.</b> Compile information on federal, state, and private forest roads identified as risks to aquatic resources. In addition, identify additional non-system roads and prioritize road segments based on potential for mass wasting and sediment delivery to streams. Develop treatments for road</p>	<ul style="list-style-type: none"> <li>● By December 2014, USFS complete Inventory and Assessment for Priority Drainages on USFS land.</li> <li>● By December 2014, Nooksack and Lummi Natural Resource Staff provide information on</li> </ul>	WRIA 1 Salmon Recovery Board	USFS, NNR, LNR

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>federal forest managers meet or exceed state standards for road maintenance and abandonment on federal lands.</u>		<u>decommissioning, storage, and seek funding for implementation.</u>	<u>private forest roads risk in priority drainages.</u> <ul style="list-style-type: none"> <li>● <u>By June 2015, USFS and technical staff prioritize road segments for treatment.</u></li> <li>● <u>By June 2016, USFS finalize contract for treatment on road segments in priority areas.</u></li> </ul>		
<b>C</b>	<b>5</b>	<b>Prevent, reduce, and/or eliminate pollution from decentralized wastewater treatment systems</b>				
€	5.1	Effectively manage and control pollution from on-site sewage systems.	SJI 4 <sup>23</sup> San Juan County OSS Program. San Juan County Health and Community Services will fully implement the On-site Sewage System (OSS) Operation and Maintenance Program Plan.	<ul style="list-style-type: none"> <li>● 100% of systems in sensitive areas in compliance and current with inspections by 2014 and 60% of alternative systems county-wide to have inspections between 2010-2014.</li> </ul>	SJC	
€	5.1	Effectively manage and control pollution from on-site sewage systems.	WS 7 <sup>24</sup> West Sound OSS repairs. Kitsap Public Health will report on the number of OSS failures repaired using funds from the Craft3 septic loan program by December 2013.	<ul style="list-style-type: none"> <li>● Number of OSS failures repaired using funds from the Craft3 septic loan program by December 2013.</li> </ul>	Kitsap County	
€	5.1	Effectively manage and control pollution from onsite sewage systems.	SJI 6 <b>Fully implement the Onsite Sewage System Operation and Maintenance Program Plan (Near-Term Run Off Action II).</b>	<ul style="list-style-type: none"> <li>● 100% of systems in sensitive areas to remain in compliance with current inspections.</li> <li>● Between 2012 and 2016, 75% of alternative systems countywide to have inspections.</li> <li>● Between 2012 and 2016, 60% of gravity systems countywide to have inspections.</li> </ul>	San Juan County Health Department	
€	5.2	Effectively manage and control pollution from large on-site sewage systems.	WS 6 <sup>25</sup> West Sound Sewer Feasibility. Kitsap Public Health together with the municipality will conduct sewer infrastructure feasibility study for sewers in areas such as Ostrich and Phinney Bay by December 2013.	<ul style="list-style-type: none"> <li>● Sewer infrastructure feasibility study conducted by December 2013.</li> </ul>	Kitsap County	

<sup>23</sup> NTA completed.

<sup>24</sup> NTA completed.

<sup>25</sup> NTA updated. All West Central NTAs recoded with "WC".

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
<u>C</u>	5.3	Improve and expand funding for onsite sewage systems and local onsite sewage system programs.	SNST5	<b>Onsite septic systems maintenance and retrofit.</b> <u>Seek stable funding and expand Snohomish Health District program to provide technical assistance to property owners with septic systems. Investigate role of failing onsite septic systems in elevating stream bacteria and nutrient loads in Kimball and Coal Creek subbasins. Explore upgrading or decommissioning septic systems and connecting to municipal sewer systems.</u>	<ul style="list-style-type: none"> <li>● <u>By September 2015, identify sustainable funding source(s) including no-cost loans for repairs.</u></li> <li>● <u>During 2014–2016, educate homeowners about septic system maintenance.</u></li> <li>● <u>During 2014–2016, investigate extent of failing septic systems.</u></li> <li>● <u>During 2014–2016, repair/replace defective septic systems.</u></li> <li>● <u>During 2014–2016, track homeowner compliance in King County with DOH septic system maintenance requirements.</u></li> <li>● <u>During 2014–2016, perform surface/groundwater monitoring and modeling as needed in Kimball and Coal Creeks following review of existing data.</u></li> <li>● <u>By November 2015, estimate corrective action costs and provide cost-share options (e.g., low-interest loans to pay for retrofits, sewer line extensions, hookup fees).</u></li> <li>● <u>By December 2015, share findings/approaches with Snoqualmie Valley cities and King County.</u></li> </ul>	LIO (reporter)	Snohomish Health District, Snohomish County, King County, Seattle/King County Public Health, Snoqualmie Tribe
<u>C</u>	5.3	Improve and expand funding for onsite sewage systems and local onsite sewage system programs.	SNST8	<b>Pollution identification and correction project.</b> <u>Snohomish County, together with project partners, will conduct a pollution identification and correction project to identify specific sources of fecal coliform bacteria contamination in the Lower Stillaguamish sub-basin and expand to the Snohomish Basin.</u>	<ul style="list-style-type: none"> <li>● <u>By December 2015, complete investigation and identification of specific sources of fecal coliform bacteria contamination in the Lower Stillaguamish sub-basin.</u></li> </ul>	Snohomish County	Snohomish Health District, Snohomish Conservation District

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>By December 2015, begin process of correcting some of the high priority sites that are sources of fecal coliform bacteria contamination.</li> <li>By January 2016, expand project to the Snohomish Basin.</li> </ul>		
<u>C</u>	5.3 <u>Improve and expand funding for onsite sewage systems and local onsite sewage system programs.</u>	SS1 <u>Mason County enhanced septic repair grant and loan program. Achieve a self-sustaining septic repair loan program through a partnership with Craft3, expressly targeting shellfish reopening and/or preserved open status in Oakland Bay, North Bay, Hammersley, Totten, and Little Skookum Inlet watersheds.</u>	<ul style="list-style-type: none"> <li>Funded by 2016</li> <li>Number of inquiries</li> <li>Number of completed loans</li> <li>100% of septic system receiving loans repaired</li> <li>Net acres of shellfish beds re-opened</li> </ul>	LIO	Mason County
<u>C</u>	5.3 <u>Improve and expand funding for onsite sewage systems and local onsite sewage system programs.</u>	SS2 <u>Thurston County enhanced septic repair grant and loan program. Achieve a self-sustaining septic repair grant and loan program, expressly targeting shellfish reopening and/or preserved open status in Henderson and Eld Inlet watersheds.</u>	<ul style="list-style-type: none"> <li>Funded by 2016</li> <li>Number of inquiries</li> <li>Number of completed loans</li> <li>100% of septic system receiving loans repaired</li> <li>Net acres of shellfish beds re-opened</li> </ul>	LIO	Thurston County
<u>C</u>	5.3 <u>Improve and expand funding for onsite sewage systems and local onsite sewage system programs.</u>	SS3 <u>Pierce County enhanced septic repair grant and loan program. Achieve a self-sustaining septic repair grant and loan programs, expressly targeting shellfish reopening and/or preserved open status in Nisqually, Case, Pickering, Carr and Island Inlet watersheds.</u>	<ul style="list-style-type: none"> <li>Funded by 2016</li> </ul>	LIO	Pierce County
<b>C</b>	<b>6</b>	<b>Prevent, reduce, and/or eliminate pollution from centralized wastewater systems</b>			
<u>C</u>	6.2 <u>Reduce pollution loading to Puget Sound by preventing and reducing combined sewer overflows.</u>	STRT29 <u>Implement City of Port Angeles combined sewer overflow reduction projects. Implement suite of combined sewer overflow Phase 1 and Phase 2 projects to reduce combined sewer overflow events into the Port Angeles Harbor to one per outfall per year on average.</u>	<ul style="list-style-type: none"> <li>Not more than one combined sewer overflow per outfall per year, as per city's agreed order with Ecology.</li> </ul>	City of Port Angeles Public Works Department	
<b>C</b>	<b>7</b>	<b>Ensure abundant, healthy shellfish for ecosystem health and for commercial, subsistence, and recreational harvest consistent with ecosystem protection</b>			
<u>C</u>	7.1 <u>Improve water quality to prevent downgrade and achieve upgrades of</u>	WC26 <u>South Dyes Inlet wastewater infrastructure. With an ultimate goal of making Oyster Bay viable for commercial shellfish harvest, the City of Bremerton</u>	<ul style="list-style-type: none"> <li>By August 31, 2014, completion of an Infrastructure Integrity</li> </ul>	City of Bremerton	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>important current tribal, commercial and recreational shellfish harvesting areas.</u>		<u>will assess, improve, and expand sewer infrastructure in South Dyes Inlet.</u>	<u>Assessment.</u> <ul style="list-style-type: none"> <li>● <u>By July 31, 2014, completion of 100% sewer system designs for Phinney Bay, and by November 30, 2014, Ostrich Bay Creek.</u></li> <li>● <u>By August 31, 2015, construction of sewer system extensions for Phinney Bay and by June 30, 2016, Ostrich Bay Creek.</u></li> <li>● <u>Fecal coliform content of water reduced (or other contaminants).</u></li> <li>● <u>Shellfish acres re-opened or upgraded.</u></li> </ul>		
C	7.2 Restore and enhance native shellfish populations.	WC13 <sup>26</sup>	<p>West Sound shellfish gardening. <del>By April 2013, Kitsap Public Health will continue to work with the Puget Sound Restoration Fund on the expansion of community shellfish gardens in Kitsap County. This dovetails with the Health District’s plans to implement a permanent marine shoreline survey program throughout Kitsap County in 2014, in partnership with the Puget Sound Restoration Fund, will expand a pilot shoreline owner shellfish gardening program to at least one additional site, as an outreach tool for water quality and shoreline issues. By December 2013, the program will be expanded to include two additional sites. Concurrently, Kitsap Public Health will report on the results and actions from PIC shoreline monitoring affecting shellfish growing areas, e.g. number of fecal sources identified and corrected.</del></p>	<ul style="list-style-type: none"> <li>● <del>Shellfish gardening pilot program expanded to one additional site by April 2013. By December, expand to two additional sites. By April 2015, shellfish gardening pilot program expanded to one additional site.</del></li> <li>● <u>By December 2015, expand to two additional sites.</u></li> </ul>	Kitsap Public Health District	Puget Sound Restoration Fund
C	7.5 <u>Answer key shellfish safety research questions and fill information gaps.</u>	SNST6	<u><b>Water quality monitoring for ocean acidification.</b></u> Collect water quality data for temperature, salinity, dissolved oxygen, pH, CO <sub>2</sub> (pCO <sub>2</sub> ) to identify local trends.	<ul style="list-style-type: none"> <li>● <u>During 2014–2016, install, maintain, and present data collected from Sunburst Sensor SAMI2-CO2 sensor system.</u></li> </ul>	Tulalip Tribes	Stillaguamish Tribe, King County

<sup>26</sup> NTA updated. All West Central NTAs recoded with “WC”.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)		
			<ul style="list-style-type: none"> <li>● During 2014–2016, install and maintain YSI 6600 data logger.</li> </ul>				
<b>C</b>	<b>8</b>	<b>Effectively prevent, plan for, and respond to oil spills</b>					
<u>C</u>	8.1	Prevent and reduce the risk of oil spills.	SJI-1 <sup>27</sup>	SJI Marine Manager Workshop. San Juan Marine Resources Committee will convene 20 agencies and non-governmental organizations responsible for oil spill prevention and readiness at the 2012 Marine Manager Workshop, including participation from the local, state, federal, and Canadian organizations. Workshop outcomes will include a list of agreed upon recommendations for oil spill prevention.	<ul style="list-style-type: none"> <li>● Local jurisdictions will consider adopting highest priority recommendations within their authority by 2014.</li> </ul>	SJMRC	
<u>C</u>	8.1	Prevent and reduce the risk of oil spills.	SJI4	<b>Expand and maintain Derelict Vessel Compliance Program (Near-Term Major Oil Spills Action IV).</b>	<ul style="list-style-type: none"> <li>● By 2015, obtain funding to expand program to six jurisdictions. Additional jurisdictions suggested by DNR include Jefferson, Island, Kitsap, Snohomish, Whatcom, and Mason.</li> </ul>	San Juan County	PSP
<u>C</u>	8.2	Strengthen and integrate spill response readiness of the state, tribes, and local government.	STRT-2 <sup>28</sup>	Straits Spill Prevention, Preparedness, and Response. Implement and promote improvements in oil spill prevention, preparedness, and response programs and capabilities for the benefit of the Strait of Juan de Fuca and adjacent waters a. Improve transboundary coordination on oil spills b. Establish Vessel of Opportunity Program in Neah Bay c. Expand oil spill drills along Strait of Juan de Fuca and Coast	<ul style="list-style-type: none"> <li>● In sequence: (a) Ensure 1+ CANUSPAC exercise is conducted and incorporates transboundary movement of personnel and/or equipment; (b) Vessel of Opportunity established in Neah Bay by July 2014 or referenced in contingency plans approved by April 2014; (c) Strait-ERN participates in worst case or deployment drill planning process</li> </ul>	Strait-ERN	
<u>C</u>	8.2	Strengthen and integrate spill response readiness of the state, tribes, and local government.	SJI1	<b>Coordinate actions and prepare to respond to major oil spills (Near-Term Major Oil Spills Action I).</b>	<ul style="list-style-type: none"> <li>● By December 2015, update the Trans-boundary Inter-local Agreement between San Juan County and Islands Trust to include a jointly developed Washington and British</li> </ul>	LIO (reporter)	San Juan County Council Islands Oil Spill Association

<sup>27</sup> NTA updated.

<sup>28</sup> NTA updated.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)		
			<p><u>Columbia report on Recommendations for Wildlife and Natural Resource Damage Assessment and Restoration.</u></p> <ul style="list-style-type: none"> <li>• <u>By December 2015, implement a Marine Specimen Bank to establish baseline data that would be useful for future marine resource damage assessments. Coordinate with WDFW and Ecology. Include participation in the Mussel Watch Program.</u></li> <li>• <u>Through 2016, maintain Islands Oil Spill Association local oil spill readiness and response programs with the ability to initiate first response to a major oil spill. This program will be tracked with training, workshops, equipment, and annual # of responses to any oil spills. Includes the Vessel of Opportunity Program with 13 vessels currently trained (2013). For each year, Islands Oil Spill Association plans to train 70 people, by holding at least 12 trainings or drills/year. Also, by December 2014, plan to train three additional volunteer vessels in Vessel Assist (Vessel of Opportunity) Program, and by December 2015, plan to train three more.</u></li> </ul>		<u>(IOSA), San Juan County Marine Resources Committee</u>		
<u>C</u>	<u>8.2</u>	<u>Strengthen and integrate spill response readiness of the state, tribes, and local</u>	<u>SJI2</u>	<b><u>Integrate and define parameters for responses to increased vessel traffic and potential vessel spills (Near-Term Major Oil Spills Action II).</u></b>	<ul style="list-style-type: none"> <li>• <u>Monitor the results of Coast Guard Authorization Act of 2010 and the Coast Guard and</u></li> </ul>	<u>LIO (reporter)</u>	<u>San Juan County Council</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
	<u>government.</u>		<p><u>Maritime Transportation Act of 2012.</u></p> <ul style="list-style-type: none"> <li>• <u>By December 2015, work with Ecology, tribes, state representatives, and the Governor to identify San Juan County as a staging area to ensure that equipment for the 4- and 6-hour planning standards are resident in San Juan County.</u></li> <li>• <u>By December 2014, complete feasibility assessment for Particularly Sensitive Sea Area study. Implement the study to communicate what important ecological and cultural values are present in the Salish Sea and how they would be negatively affected by vessel traffic if not well managed.</u></li> <li>• <u>Identify risks to environmental and cultural resources and the probability of risks from large-scale shipping traffic with potentially hazardous cargo and/or propulsion fuel.</u></li> <li>• <u>Provide citizens, local groups, eco-tourism operators, and decision makers with information about experiences of similar communities.</u></li> <li>• <u>Demonstrate a successful alternative to reduce both probability and consequences of an oil spill in the Salish Sea.</u></li> </ul>		<u>(Trans-boundary agreement), Friends of the San Juans</u>	
<u>C</u>	8.2 <u>Strengthen and integrate spill response readiness of the state, tribes, and local government.</u>	<u>STRT12</u>	<u>Expand oil spill drills along the Strait of Juan de Fuca and coast. Regularly conduct worst-case oil spill exercises, including equipment deployment, in this region. The combined spill response assets</u>	<u>By 2016, participate in the worst-case or deployment drill planning process. (Note: Participants will likely include</u>	<u>Makah Tribe and Northwest Maritime Center</u>	<u>Appropriate members of LIO; U.S. Coast Guard;</u>

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<p>housed in Neah Bay and Port Angeles afford substantial opportunities to drill. In addition, consider coordinating efforts with the Northwest Maritime Center in Port Townsend to host and expand drills and table-top exercises along the Strait of Juan de Fuca, outer Coast, and Puget Sound waterways utilizing their Pilothouse/Oil Spill Training Center. Drills and exercises should incorporate vessels of opportunity, publicly funded response equipment caches, and maritime industry participants as well. All of these assets are owned by various different organizations, that if drilled together, would afford opportunities to improve efficiencies through coordination.</p>	<p>representatives from the Makah Tribe Office of Marine Affairs, Northwest Maritime Center, and possibly, the local offices of the Marine Spill Response Corporation and other appropriate Strait ERN LIO member organizations.)</p>		<p>Ecology; Department of Fish and Oceans; Transport Canada</p>
<u>C</u>	8.2 Strengthen and integrate spill response readiness of the state, tribes, and local government.	STRT13	<p><b>Improve trans-boundary coordination on oil spill preparedness and response.</b> Support enhancement of the U.S. and Canadian Coast Guards' annual joint spill response exercises, known as U.S. / Canadian Joint Response Team (CANUSPAC), on both sides of the border with additional equipment and personnel. Also, support implementation of the U.S. Coast Guard Reauthorization Act that called for both countries to reevaluate the comparability of spill response, tug escort, and rescue towing assets on either side of the border as cited within the Combined Vessel Traffic Service Treaty. Additionally, the current estimates of Canadian vessel traffic projections need to be incorporated into updates of vessel traffic risk assessments.</p>	<ul style="list-style-type: none"> <li>By 2016, ensure one (or possibly more) CANUSPAC Exercise (or deployment) is conducted that incorporates trans-boundary movement of personnel and/or equipment. (Note: Participate in exercises when held in Strait Action Area; when possible, observe appropriate exercises held outside of Strait Action Area.)</li> </ul>	Makah Tribe	<p>Appropriate members of LIO; U.S. Coast Guard; Ecology; DFO; Transport Canada</p>
<u>C</u>	8.2 Strengthen and integrate spill response readiness of the state, tribes, and local government.	STRT14	<p><b>Support the establishment of a Neah Bay Vessel of Opportunity Program.</b> Once established in Neah Bay, support expansion of the program to other locations along the Strait of Juan de Fuca, including the Ports of Port Angeles and Port Townsend.</p>	<ul style="list-style-type: none"> <li>By December 2016, enhance existing Neah Bay Vessel of Opportunity Program standards, and assist other efforts, through participation in existing regional rulemaking and permitting processes.</li> </ul>	Makah Tribe	<p>Ecology; Industry Groups; U.S. Coast Guard</p>
<u>C</u>	8.3 Respond to spills and seek restoration using the best	SJI-2 <sup>29</sup>	<p>Island Oil Spill Association Spill Readiness and Response. Islands Oil Spill Association (IOSA) will</p>	<ul style="list-style-type: none"> <li>To be determined</li> </ul>	IOSA	

<sup>29</sup> NTA updated.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
	available science and technology.		maintain local oil spill readiness and response programs through 2014. Identify remaining local response needs at the 2012 Marine Managers Workshop and consider these, along with a funding and action plan, as part of the workshop recommendations				
<b>C</b>	<b>9</b>	<b>Address and clean up cumulative water pollution impacts in Puget Sound</b>					
<u>C</u>	9.4	Develop and implement local and tribal pollution identification and correction programs.	HC 3 <sup>30</sup>	Hood Canal PIC Program. By April 2014, HCCC will complete Phase I of a regional Hood Canal Pollution Identification and Correction program to determine the needs for a comprehensive regional program and advance funding proposal(s) for implementation. The program will provide information about the sources of pollution, including failing septic systems.	<ul style="list-style-type: none"> <li>April 2014, complete Phase 1. Results of this Phase I approach will allow development and implement of the regional program during Phase II slated for 2014 and beyond.</li> </ul>	HCCC	
<u>C</u>	9.4	Develop and implement local and tribal pollution identification and correction programs.	WS 8 <sup>31</sup>	West Sound Septic System Repairs Using PIC. Kitsap Public Health will report on the number of failing septic systems identified using PIC methodology, the number repaired and associated improvements in water quality by December 2013.	<ul style="list-style-type: none"> <li>Number of failing septic systems identified using PIC methodology, the number repaired and associated improvements in water quality by December 2013</li> </ul>	Kitsap County	
<u>C</u>	9.4	Develop and implement local and tribal pollution identification and correction programs.	WH9	<p><b><u>Implement a pollution identification and control project in northern Chuckanut Bay (Mud Bay) to restore the recreational shellfish area.</u></b> Through a partnership of community groups and local agencies, identify bacteria sources and implement water quality improvement projects to reduce bacteria levels in Mud Bay and restore the recreational shellfish area. This program includes:</p> <ul style="list-style-type: none"> <li><u>Monitoring.</u></li> <li><u>Community outreach.</u></li> <li><u>Technical and financial assistance for onsite sewage system operation and maintenance.</u></li> <li><u>Stormwater retrofits.</u></li> </ul>	<ul style="list-style-type: none"> <li><u>By December 2014, develop a strategy with DOH with specific milestones to reopen the Mud Bay recreational shellfish area.</u></li> <li><u>In January 2015, January 2016, and December 2016, host three meetings (one per each date listed) to inform and engage community members in water quality improvement).</u></li> <li><u>Through December 2016, conduct monthly sampling at approximately 10 stations. Conduct bracketing</u></li> </ul>	Whatcom County Marine Resources Committee	Whatcom County Department of Health

<sup>30</sup> NTA completed.

<sup>31</sup> NTA updated. All West Central NTAs recoded with "WC".

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
				<p><u>monitoring to identify pollution sources.</u></p> <ul style="list-style-type: none"> <li>● <u>By December 2015, evaluate 75% of onsite sewage system in the drainage area and repair 100% of identified failing systems.</u></li> <li>● <u>By December 2015, develop and implement outreach strategies to address domestic pet and urban wildlife sources of bacteria.</u></li> <li>● <u>By December 2015, identify opportunities for stormwater retrofits.</u></li> </ul>		
<u>C</u>	9.4 <u>Develop and implement local and tribal pollution identification and correction programs.</u>	<u>WH10</u>	<p><b><u>Implement Whatcom County Pollution Identification and Control Program.</u></b> Through a partnership of local, state, and tribal agencies identify priority areas and implement projects to decrease bacteria levels in local marine waters, rivers, and streams. This program includes:</p> <ul style="list-style-type: none"> <li>● <u>Monitoring and focus area identification.</u></li> <li>● <u>Community outreach and engagement.</u></li> <li>● <u>Technical and financial assistance for agricultural operations.</u></li> <li>● <u>Technical and financial assistance for onsite sewage system operation and maintenance.</u></li> <li>● <u>Stormwater retrofits.</u></li> <li>● <u>Regulatory backstop.</u></li> <li>● <u>Nutrient Management, TMDL Implementation.</u></li> </ul>	<ul style="list-style-type: none"> <li>● <u>Through December 2016, conduct monthly sampling at approximately 90 stations. Conduct short-term ambient and bracketing monitoring in each focus area to identify pollution sources. Complete annual reviews of water quality results.</u></li> <li>● <u>Through December 2016, identify a minimum of two focus areas per year.</u></li> <li>● <u>Provide technical/financial assistance to 50 agricultural operations in focus areas per year.</u></li> <li>● <u>Evaluate 75% of onsite sewage system in focus areas per year. Repair 100% of identified failures.</u></li> <li>● <u>By December 2016, complete designs for two priority stormwater retrofits.</u></li> <li>● <u>Water quality.</u></li> <li>● <u>Shellfish beds.</u></li> </ul>	<u>Whatcom County</u>	<u>WCD, DOH, Ecology, WSDA, Lummi Nation, Nooksack Tribe</u>
<u>C</u>	9.4 <u>Develop and implement</u>	<u>HC3</u>	<b><u>Hood Canal Pollution Identification and Correction</u></b>	<u>Phase I</u>	<u>LIO</u>	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>local and tribal pollution identification and correction programs.</u>		<u>Program.</u> By April 2014, HCCC will complete Phase I of a regional Hood Canal Pollution Identification and Correction Program to determine the needs for a comprehensive regional program and advance funding proposal(s) for implementation. If funding is secured, Phase II of the program will be advanced. Phase II may include (depending on funds), program work in priority areas, monitoring, and education and outreach. The program will provide information about the sources of pollution, including failing septic systems.	<ul style="list-style-type: none"> <li>● By April 2014, HCCC will complete Phase I of a regional Hood Canal Pollution Identification and Correction Program to determine the needs for a comprehensive regional program and advance funding proposal(s) for implementation.</li> </ul> Phase II <ul style="list-style-type: none"> <li>● By summer 2014, HCCC will collaborate with jurisdictions to identify and secure funding.</li> <li>● By fall 2014, or as funding is available, HCCC will collaborate with jurisdictions to develop strategy for regional coordination and documentation.</li> <li>● By fall 2014, or as funding is available, HCCC will collaborate with jurisdictions to identify priority areas for projects.</li> <li>● By December 2016, or as funding is available, HCCC will collaborate with jurisdictions to identify priority areas and implement six shoreline surveys.</li> </ul>		
<u>C</u>	9.4 <u>Develop and implement local and tribal pollution identification and correction programs.</u>	<u>HC8</u>	<u>Seepage pits and cesspools.</u> Reduce the use of seepage pits and eliminate cesspools as discovered in all Hood Canal shoreline (marine and freshwater) properties.	<ul style="list-style-type: none"> <li>● By July 2014, convene meeting of local health jurisdictions to assess and determine if Onsite Management Plan strategies relevant to cesspools and seepage pits on shoreline</li> </ul>	<u>Local health jurisdictions (Mason, Kitsap<sup>32</sup> and Jefferson)</u>	

<sup>32</sup> Kitsap Health District has completed these tasks and does not have any cesspools or seepage pits. Kitsap does not permit new seepage pits and cesspools.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
			<p>properties adequately address human health and safety.</p> <ul style="list-style-type: none"> <li>• By July 2014, identify sites with no records available.</li> <li>• By July 2015, local health jurisdictions locate and verify all shoreline seepage pits and cesspools. Conduct field investigations for all shoreline properties that have no records for seepage pits available.</li> <li>• Local health jurisdictions create a management plan for seepage pits that includes inspection frequency and education on funding or replacement options for decommission.</li> <li>• By December 2015, management plan for seepage pits in Hood Canal adopted by county Boards of Health, if not in existing plans.</li> </ul>		
C	9.4 <u>Develop and implement local and tribal pollution identification and correction programs.</u>	STRT2 <u>Implementation of water quality cleanup plans for Sequim-Dungeness Bay and East Jefferson County Clean Water Districts.</u> Implement Sequim-Dungeness Bay and East Jefferson County Clean Water District Cleanup Plans and projects according to implementation strategies, onsite sewage system management plans, monitoring, and other activities required in Marine Recovery Areas under RCW 70.118A.	<ul style="list-style-type: none"> <li>• Clallam County: By December 2014, develop and adopt a pollution identification and correction program in 2015–2016, begin implementation of the plan.</li> <li>• Jefferson County: By July 2015, develop a Comprehensive Water Quality Improvement Plan; by December 2016, develop a Prioritized Work Plan.</li> </ul>	Clallam and Jefferson Counties	Sequim-Dungeness Clean Water Work Group, Jamestown S’Klallam Tribe, Clallam Conservation District, Jefferson Conservation District
D	1	Provide the leadership frameworks to guide the Puget Sound recovery effort and set action and funding priorities			

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
<b>D</b>	<b>2</b>	<b>Support and build strategic, collaborative partnerships</b>			
<b>D</b>	2.1	Advance the coordination of local recovery actions via local integrating organizations. HC1 <sup>33</sup>	HCCC Integrated Watershed Management Plan. In coordination with a number of partners, HCCC will complete its Integrated Watershed Management Plan (IWMP) by June 30, 2013. Based on critical, high priority strategies and actions identified in the IWMP, HCCC will develop Local Near Term Actions for incorporation into the Action Agenda.	Plan complete by June 30, 2013. Based on critical, high priority strategies and actions identified in the IWMP, HCCC will develop Local Near Term Actions for incorporation into the Action Agenda	HCCC
<b>D</b>	2.1	Advance the coordination of local recovery actions via local integrating organizations. HC5 <sup>34</sup>	HCCC Climate Change Symposium. By June 30, 2013, HCCC will convene a climate change symposium to identify unique vulnerabilities and potential adaptation strategies for the Hood Canal Action Area. Based on results of this symposium, HCCC will identify high priority adaptation strategies.	Convene symposium by June 2013. Based on results of this symposium, HCCC will identify high priority adaptation strategies.	HCCC
<b>D</b>	2.1	Advance the coordination of local recovery actions via LIOs. SC1	<b>Support state and local partnerships to advance the Action Agenda.</b> Use South Central Caucus Group (LIO) as a forum to advance local actions by sharing information and supporting local governments in the following. <ul style="list-style-type: none"> <li>Sharing approaches to developing and implementing policies, regulations, and incentives.</li> <li>Developing model ordinances.</li> <li>Identifying and developing incentive programs.</li> <li>Promoting funding and technical assistance for updating, adopting and implementing policies and regulations.</li> <li>Promoting education and outreach through ECO Net.</li> </ul>	<ul style="list-style-type: none"> <li>By March 2014, hold two meetings to review and share incentives and model regulations. After full South Central Caucus Group (LIO) review, bring findings to the ECB.</li> <li>In 2015, recommend ways to incorporate findings into state and local policies and regulations.</li> </ul>	LIO
<b>D</b>	2.1	Advance the coordination of local recovery actions via LIOs. HC1	<b>HCCC Integrated Watershed Plan.</b> In coordination with local and tribal governments, state and federal government agencies, nonprofit organizations, and other community partners, HCCC will continue to develop and implement the IWP through June 30, 2014. The IWP is the roadmap and organizing concept for ecosystem recovery, protection, and	<ul style="list-style-type: none"> <li>By spring 2014, HCCC will complete development of Phase I of the IWP website and will publicly launch the site.</li> <li>By fall 2015, HCCC will publish the first State of Hood Canal</li> </ul>	LIO

<sup>33</sup> NTA updated.

<sup>34</sup> NTA updated.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
			restoration in Hood Canal and will include <u>identification of the highest priority focal components, goals, actions and strategies, and indicators for measuring progress. Based on critical, high priority strategies and actions identified in the IWP, HCCC will develop and revise local near-term actions for incorporation into the 2016 Action Agenda.</u>	<p>report based on measuring <u>progress towards goals as outlined in the IWP and utilizing the indicators adopted in the IWP. This analysis is anticipated to be conducted by HCCC staff with the assistance of consultants.</u></p> <ul style="list-style-type: none"> <li>● <u>By fall 2015, HCCC will develop a set of new or revised near-term actions and performance measures based on the final IWP for incorporation into the 2016 Action Agenda using the Open Standards for Conservation method adopted by Puget Sound Partnership.</u></li> </ul>			
D	2.1	<u>Advance the coordination of local recovery actions via LIOs.</u>	HC5	<u>HCCC climate change adaptation. HCCC will convene a climate change forum with our members to identify unique vulnerabilities and potential adaptation strategies for the Hood Canal Action Area. As part of the Integrated Watershed Plan process and working with our members and partners, HCCC will determine climate adaptation approaches that can be incorporated into the Integrated Watershed Plan and various plans in progress.</u>	<ul style="list-style-type: none"> <li>● <u>By December 2014, distribute Hood Canal climate change report, summarizing the results of the conference to Hood Canal community.</u></li> <li>● <u>By fall 2015, incorporate climate change mitigation and adaptation strategies and actions into relevant focal components of the Integrated Watershed Plan.</u></li> <li>● <u>By fall 2015, incorporate climate change related indicators into relevant focal components of the Integrated Watershed Plan.</u></li> </ul>	LIO	
D	3	<b>Implement performance management</b>					
D	4	<b>Coordinate and advance science and monitoring</b>					
D	4.2	<u>Implement a coordinated, integrated ecosystem monitoring program.</u>	ISL10	<u>Develop and implement a stormwater monitoring program. Island County will enhance its stormwater monitoring program to address stormwater discharges from the built environment. The monitoring is intended to focus community</u>	<ul style="list-style-type: none"> <li>● <u>Nutrient loading during storm events at outfalls and in streams (identified in watershed prioritization).</u></li> <li>● <u>Decrease in percentage of</u></li> </ul>	Island County Department of Natural Resources	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<u>attention on source identification and key areas of concern. Based on the monitoring data, technical assistance will be provided to landowners.</u>	<u>303d-listed impaired waters in Island County.</u> <ul style="list-style-type: none"> <li>• <u>Net increase in recreational shellfish harvest area.</u></li> </ul>		
<u>D</u>	<u>4.2</u> <u>Implement a coordinated, integrated ecosystem monitoring program.</u>	<u>SJI3</u> <b><u>Implement the Marine Stewardship Area Monitoring Plan to track key species (Near-Term Major Oil Spills Action III).</u></b>	<ul style="list-style-type: none"> <li>• <u>By December 2015, identify and prioritize indicator species to track in relation to oil spills.</u></li> </ul>	<u>San Juan County Marine Resources Committee</u>	<u>UW Friday Harbor Labs, Salmon Recovery San Juan Lead Entity, intertidal monitoring by citizens and students</u>
<u>D</u>	<u>4.2</u> <u>Implement a coordinated, integrated ecosystem monitoring program.</u>	<u>SJI8</u> <b><u>Devise monitoring and management plans for priority and/or focus basins (Near-Term Run Off Action IV).</u></b>	<ul style="list-style-type: none"> <li>• <u>By January 2014, implement an annual strategic monitoring plan to measure levels of fecal coliform, heavy metals, persistent organic pollutants, and polycyclic aromatic hydrocarbons in priority basins. In the first year post-implementation, monitor 100% of priority basins, with monitoring actions ongoing after 2014.</u></li> <li>• <u>In 2012 and 2013, evaluate data collected and revise sampling plans based on results. Revisions may include changes in priority basins, sampling procedures, constituents, and frequency.</u></li> <li>• <u>By June 2014, prepare management plans for focus basins to manage existing runoff from public streets and lots. Develop mitigation strategies for ferry parking lots.</u></li> </ul>	<u>San Juan County Public Works Stormwater Utility</u>	<u>San Juan County Stormwater Committee, San Juan County Water Resources Committee, San Juan Marine Resources Committee, Town of Friday Harbor, San Juan Islands Conservation District</u>
<u>D</u>	<u>4.2</u> <u>Implement a coordinated, integrated ecosystem</u>	<u>SJI12</u> <b><u>Continue development of Salmon Recovery Adaptive Management and Monitoring Plan (Near</u></b>	<ul style="list-style-type: none"> <li>• <u>By June 2014, draft Adaptive</u></li> </ul>	<u>LIO</u>	<u>San Juan County Lead</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
	<u>monitoring program.</u>	<u>Term Shoreline Action IV).</u>	<p>Framework for Chinook including narrative (document) and Miradi files. Finalize results chains, develop monitoring priorities, draft monitoring framework. Results will also inform the Marine Stewardship Area Monitoring Plan.</p> <ul style="list-style-type: none"> <li>● <u>In 2015, start monitoring implementation.</u></li> </ul>		<u>Entity, San Juan County Marine Resources Committee</u>
<b>D</b>	<u>4.2 Implement a coordinated, integrated ecosystem monitoring program.</u>	<u>WC25</u> <b>Continued funding for shoreline monitoring programs in Kitsap and Pierce Counties.</b> Help fund routine marine shoreline E. coli bacteria monitoring program in Kitsap and Pierce Counties to protect and restore commercial shellfish areas. Provide 100% funding for 2-year shoreline monitoring program on Bainbridge Island. Provide 50% match for shoreline monitoring program along unincorporated Kitsap and Pierce Counties, within all classified areas (including Port Orchard Passage).	<ul style="list-style-type: none"> <li>● <u>Maintain current level of monitors.</u></li> <li>● <u>Acres of shellfish monitored.</u></li> <li>● <u>Fecal coliform content of water reduced (or other contaminants).</u></li> <li>● <u>Acres of shellfish re-opened or upgraded.</u></li> <li>● <u>By December 31, 2014, deliver needs assessment report to Kitsap County Surface and Stormwater Management.</u></li> <li>● <u>Report on number of stations sampled.</u></li> <li>● <u>Report on number of stations identified as "hot spots."</u></li> <li>● <u>Investigate and close 90% of identified "hot spots."</u></li> <li>● <u>Report on number of failing onsite sewage systems identified/corrected.</u></li> <li>● <u>Report on number of animal waste management violations identified/corrected.</u></li> <li>● <u>Report on number of public/side sewer leaks identified/corrected.</u></li> <li>● <u>Report on number of shoreline miles monitored.</u></li> </ul>	<u>Kitsap Public Health District and Tacoma-Pierce County Health Department</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
			<ul style="list-style-type: none"> <li>• <u>Report on acres of classified commercial shellfish growing area protected or down grade prevented.</u></li> <li>• <u>Report on acres of commercial shellfish growing area re-opened or receiving improved classification.</u></li> <li>• <u>Report on number and percentage of shoreline discharges with reduced bacterial concentrations.</u></li> </ul>			
<b>D</b>	<b>5</b>	<b>Cultivate broad-scale stewardship practices and behaviors among Puget Sound residents that benefit Puget Sound</b>				
D	5.1	<p>Prioritize targeted stewardship issues, actions and audiences based on (1) problem severity, (2) problem frequency, (3) availability of and confidence in science (natural and social) behind the problem, and (4) ability to influence change.</p>	<p>No near-term actions. Work is focused on implementation of ongoing programs.</p>			
D	5.2	<p><u>Collaboratively develop and promote science-based targeted communications and behavior change strategies across the region.</u></p>	<p><b>SNST11</b></p> <p><b><u>Coordinated education and outreach leading to behavior change.</u></b> Snohomish County, together with local and regional partners, will develop a prioritized list of BMPs to promote through education and outreach programs. Implement strategies that target specific audiences and use targeted messages to achieve awareness and meet behavior change goals. The following programs will be considered.</p> <ul style="list-style-type: none"> <li>• <u>Forest stewardship and sustainable agriculture.</u></li> <li>• <u>Riparian solutions program.</u></li> <li>• <u>Community and youth education/outreach program.</u></li> <li>• <u>Stormwater management training.</u></li> <li>• <u>Nearshore and bluff behavior change outreach (WSU Extension) Connection of upland farmers with shellfish farmers to discuss clean water for safe shellfish harvest and consumption.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>During 2015–2016, secure funding to offer WSU Extension classes and services in WRIA 7.</u></li> <li>• <u>During 2014–2016, Sound Salmon Solutions and Snohomish Conservation District will host and attend events, and provide technical consultation and site visits for streamside landowners to help improve salmon habitat.</u></li> <li>• <u>During 2014–2016, Snohomish Conservation District will host 25 educational workshops for agricultural landowners.</u></li> </ul>	LIO	<p>Snohomish County, King County, Sound Salmon Solutions, Snohomish Conservation District, King Conservation District, WSU Extensions in King and Snohomish Counties, STORM, ECO Nets, Tulalip Tribes, Everett</p>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<ul style="list-style-type: none"> <li>Development and implementation of multiparty <u>integrated water quality themed education and behavior change programs to address shellfish protection.</u></li> </ul>	<ul style="list-style-type: none"> <li>In 2015, <u>conduct nearshore and bluff landowner workshops and distribute an updated Guide for Shoreline Living.</u></li> <li>In 2015, <u>Snohomish Marine Resources Committee will host a meeting/field trip for upland farmers and shellfish farmers.</u></li> <li>During 2014–2015, <u>conduct outreach on aquaculture at gatherings of farmers at events such as the Snohomish County Focus on Farming, Country Living Expo, and Washington State Tilth Producers Convention.</u></li> <li>During 2014–2016, <u>Sound Salmon Solutions, WSU Extension, Snohomish County, and others will design and focus education and outreach efforts to target suspected sources that contribute and threaten commercial shellfish farm water certification as well as commercial fishery operations.</u></li> <li>In 2015, <u>identify the needs of participating homeowners through the pollution identification and correction program as a follow-up to corrective actions.</u></li> </ul>		<u>Community College, and Marine Resources Committee</u>
<b>D</b>	<b>6</b>	<b>Build issue awareness and understanding to increase public support and engagement in recovery actions</b>			
<u>D</u>	<u>6.5</u>	<u>Build awareness of stewardship-building efforts among elected officials, executive staff, funders, resource managers, and others</u>	<u>SNST9 Fisheries/watershed ecology education for officials and decision-makers.</u> Sound Salmon Solutions and partners will develop a branded education curriculum and program on ecology issues necessary for salmon recovery, targeted at elected officials. This is not a lobbying campaign but a science-based,	<ul style="list-style-type: none"> <li>By June 2014, <u>determine what information stakeholders, such as the Stillaguamish Watershed Council members, feel is important for elected</u></li> </ul>	<u>Sound Salmon Solutions</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)	
	<u>with resource allocation ability. Emphasize program roles, needs, relationship with other Action Agenda strategies and program outcomes.</u>	<u>politically neutral curriculum, allowing officials to make informed decisions about land use and development, with Puget Sound and salmon recovery in mind. The training will also initiate a relationship between decision-makers and organizations with the expertise to provide information and decision support. By completing the training, officials earn a Salmon Savvy Certification, a brand they can use to demonstrate their efforts to constituents. The program would result in ongoing classes in Snohomish County and could serve as a model for other areas.</u>	<p><u>officials.</u></p> <ul style="list-style-type: none"> <li><u>• By June 2014, determine what information elected officials require to make decisions that will improve the health of Puget Sound and allow salmon recovery.</u></li> <li><u>• By September 2014, develop curriculum, making use of prior efforts where applicable.</u></li> <li><u>• By December 2014, review and refine curriculum with the members of the Stillaguamish Watershed Council Stewardship Committee.</u></li> <li><u>• By June 2015, publicize and promote the Salmon Savvy-branded curriculum with elected officials.</u></li> <li><u>• In 2015, hold classes with 10 to 15 officials to test curriculum and get feedback.</u></li> <li><u>• By December 2015, finalize curriculum.</u></li> </ul> <p><u>In 2016 and beyond, land use decisions are made by a measurable number of officials (target of 15) commanding a basic level of understanding and a decision support network.</u></p>			
<b>D</b>	<b>7</b>	<b>Build social and institutional infrastructure that supports stewardship behaviors and removes barriers</b>				
<b>E</b>	<b>1</b>	<b>Funding Strategy</b>				
<b>E</b>	<b>1.3</b>	<u>Maintain, enhance, and focus state funding for implementation of Action Agenda priorities.</u>	<b>SC10</b> <u>Support restoration of the voter approved local Model Toxics Control Account.</u> <ul style="list-style-type: none"> <li><u>• Advocate for fund protection. Support the use of the Model Toxics Control Account for grants and programs that expedite multiparty cleanup efforts.</u></li> <li><u>• Support and promote programs that leverage</u></li> </ul>	<ul style="list-style-type: none"> <li><u>• By December 2015, increase awareness of state and local government about the value of protecting the Local Toxics Control Account in 20146.</u></li> <li><u>• By December 2015, hold a forum on opportunities for acquisition and</u></li> </ul>	<b>LIO</b>	<b>Ecology</b>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<p>other grants to expedite cleanups.</p> <ul style="list-style-type: none"> <li>● Educate and promote the protection of the Local Toxics Control Account and identify Opportunities for acquisition and redevelopment of vacant, orphaned, or abandoned property.</li> </ul>	<p>redevelopment of vacant, orphaned, or abandoned property.</p>		
<u>E</u>	<p>1.4 Maintain and enhance local funding for implementation of Action Agenda priorities.</p>	<p>SC12</p> <p><b>Secure additional funding necessary to implement priority fish and wildlife habitat and high-value aquatic habitat area enhancement projects.</b></p> <p>Provide input to the PSP’s work to develop a gap analysis and funding strategy for implementation of the Action Agenda, including the following:</p> <ul style="list-style-type: none"> <li>● Articulate need for better funding coordination of habitat, water quality, and flood investments at a watershed level.</li> <li>● Describe specific financial needs and challenges of urbanized watersheds in protecting and restoring habitat and in prioritizing and carrying out stormwater retrofits.</li> <li>● Involve research and analysis conducted by WRIAs 8 and 9 on watershed funding options and models.</li> <li>● Provide examples of successful watershed-based decision-making models and successful multi-benefit projects that help “tell the story.”</li> <li>● Provide the WRIA 9 issue paper on watershed investment concepts for consideration.</li> <li>● Provide input on state legislative proposals for potential new watershed-based governance structures and funding authorities.</li> <li>● Develop specific project proposals in support of federal and state appropriation requests to support salmon habitat restoration, habitat acquisition, major floodplain restoration, and stormwater retrofits for.</li> <li>● Develop a list of high-priority stormwater retrofit projects to support local investments and state funding request, using upcoming guidance from Ecology and findings from the WRIA 9 study on stormwater retrofit priorities.</li> <li>● Support WRIAs 8, 9, and 10 in maintaining and refining the 3-year list of habitat protection and</li> </ul>	<ul style="list-style-type: none"> <li>● By December 2014, identify large-scale habitat restoration projects for the next round of Puget Sound Acquisition and Restoration.</li> <li>● By third quarter 2014 and 2015, promote the current round of “coordinated investment” floodplain restoration projects and development of the next set of candidate projects for 2014/2015 legislative session.</li> <li>● By third quarter 2014 and 2015, provide information to the Washington State Legislature on the high priority stormwater retrofit projects for 2014/ 2015 legislative session.</li> </ul>	LIO	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Owner	Secondary Owner(s)
		<p>restoration implementation priorities.</p> <ul style="list-style-type: none"> <li>• <u>Support the King Conservation District in securing additional funding to address regional and local aquatic area enhancement and water quality protection priorities, with special emphasis on private property, subject to the outcome of joint task force recommendations.</u></li> <li>• <u>Support the work of WRIA 9 in preparing issue papers on key watershed-based investment concepts, including governance, geography, multiple benefit projects, and funding, and in preparing legislation for the session.</u></li> </ul>			
<b>E</b>	<u>1.4</u> <u>Maintain and enhance local funding for implementation of Action Agenda priorities.</u>	<u>SS4</u> <b><u>NPDES municipal stormwater permit implementation funding strategy development.</u></b> <u>Municipal stormwater jurisdictions will develop a funding strategy to achieve a balance of local, state and federal funding for their stormwater programs, as needed.</u>	<ul style="list-style-type: none"> <li>• <u>By June 2015, municipal stormwater jurisdictions will convene a meeting of stormwater permittees/stakeholders to determine the framework, process, and key issues to be included in a funding strategy that includes an agreed upon balance of local, state, and federal funding.</u></li> <li>• <u>By June 2016, municipal stormwater jurisdictions will develop a funding strategy draft, vetted by a task force from the first set of meetings, for presentation to, and as a start to negotiations with, federal and state partners.</u></li> </ul>	<u>Alliance</u>	

BMP = best management practice; Commerce = Washington State Department of Commerce; Corps = U.S. Army Corps of Engineers; DNR = Washington State Department of Natural Resources; DOH = Department of Health; ECB = Ecosystem Coordination Board; ECO Net = Education, Communication and Outreach Network; Ecology = Washington State Department of Ecology; EPA = U.S. Environmental Protection Agency; FEMA = Federal Emergency Management Agency; GIS = Geographic Information System; HCCC = Hood Canal Coordinating Council; LIO = local integrating organization; NMFS = National Marine Fisheries Service; NOAA = National Oceanic and Atmospheric Administration; NPDES = National Pollutant Discharge Elimination System; NRCS = Natural Resources Conservation Service; PSP = Puget Sound Partnership; PSSRC = Puget Sound Salmon Recovery Council; SquareONE = Watershed Stewardship Resource Center; STORM = Stormwater Outreach for Regional Municipalities; USFS = U.S. Forest Service; USFWS = U.S. Fish and Wildlife Service; USGS = U.S. Geological Survey; UW = University of Washington; WAC = Washington Administrative Code; WDFW = Washington Department of Fish and Wildlife; WRIA = Water Resources Inventory Area; WSCC = Washington State Conservation Commission; WSDA = Washington State Department of Agriculture; WSDOT = Washington State Department of Transportation; WSU = Washington State University.