

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

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
<b>A</b>	<b>1</b>	<b>Focus land development away from ecologically important and sensitive areas</b>					
A	1.1	Identify and prioritize areas for protection, restoration, and best suitable for (low impact) development.	1 <sup>1</sup> Apply Watershed Characterization Results. By 2012, Ecology, in collaboration with Commerce, will support local and regional entities' use of the PSBC results by creating easy web access to the information and an interagency Watershed Technical Assistance Team and by 2013, The Watershed Technical Assistance Team, managed by Ecology, will develop draft solution templates and a decision support framework which will guide watershed planning and land use decisions by local governments. Development will occur in coordination with Commerce, DFW, DNR, and local government representatives.	<ul style="list-style-type: none"> <li>By 2012 PSBC data is available to all local governments and team established. By 2013, status of standard development and status of decision making framework. (Measure dates to be confirmed)</li> </ul>	soundwide	Ecology	Commerce
A	1.1	Identify and prioritize areas for protection, restoration, and best suitable for (low impact) development.	2 <sup>2</sup> Web-Based Data Tool to Support Land Use Decisions. By December 2012, the Puget Sound Institute will work with the Puget Sound Partnership and other state, federal, Tribes, local, and academic partners to develop a web-based tool to improve and support spatial landscape data collection, sharing, and analysis to improve the ability of agencies to make land use decisions based on watershed assessments and other local characterizations.	<ul style="list-style-type: none"> <li>Web-based tool completed by Dec 2012</li> </ul>	soundwide	PSI	
A	1.1	Identify and prioritize areas for protection, restoration, and best suitable for (low impact) development.	<del>WSWC</del> <sup>3</sup> <b>West Sound inventory of transportation infrastructure projects. By January 2013,</b> 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>	Local	West Sound Watersheds Council LIO (reporter)	West Sound LIO

<sup>1</sup> Completed.

<sup>2</sup> Completed.

<sup>3</sup> Updated. All West Central actions recoded using "WC."

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A	1.2 Support local governments to adopt and implement plans, regulations, and policies consistent with protection and recovery targets, and incorporate climate change forecasts.	1 <b>Land use planning barriers, best management practices, and example policies.</b> Commerce and Ecology, working with local governments, will identify the primary barriers to incorporating policies consistent with implementation of the Action Agenda into local land use planning and decisions and identify best practices and assistance needed to overcome these barriers. This will address implementation of protection strategies, encouraging compact growth patterns, increased density, water quality standards, redevelopment, and rural lands protection. <del>Ecology-Commerce</del> and <del>Commerce-Ecology</del> will distribute example growth policies that include best practices that are consistent with protection and recovery targets and the Growth Management Act and Shoreline Management Act.	<ul style="list-style-type: none"> <li>By December <del>2012</del>2015, example growth policies distributed or not; extent to which local land use planning and decision making become more consistent with the Action Agenda over time.</li> </ul>	Soundwide	<del>Ecology</del> Commerce	<del>Commerce</del> Ecology
A	1.2 Support local governments to adopt and implement plans, regulations, and policies consistent with protection and recovery targets, and incorporate climate change forecasts.	2 <sup>4</sup> Financial Support for GMA updates. Commerce will coordinate broad partner discussion of ways to promote state financial support for local governments for GMA comprehensive plan updates, implementation, training, and education. A proposal for financial support will be developed by December 2012 for discussion by the 2013 legislature.	<ul style="list-style-type: none"> <li>A proposal for financial support for local governments for plan and regulatory updates, implementation, training, and education will be completed by December 2012 with a goal of adoption by June 2013.</li> </ul>	soundwide	Commerce	
A	1.2 Support local governments to adopt and implement plans, regulations, and policies consistent with protection and recovery targets, and incorporate climate change forecasts.	3 <sup>5</sup> <b>Fund local Growth Management Act comprehensive plan updates.</b> Commerce will seek funding to assist local governments in conducting Growth Management Act comprehensive plan updates.	<ul style="list-style-type: none"> <li>In 2015, secure funding.</li> <li>By June 2015 and June 2016, provide funding for Puget Sound area jurisdictions to complete their Growth Management Act comprehensive plan updates.</li> </ul>	Soundwide	Commerce	

<sup>4</sup> Completed.

<sup>5</sup> Proposed follow-on action for completed A1.2.2.

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<b>A</b>	1.2	Support local governments to adopt and implement plans, regulations, and policies consistent with protection and recovery targets, and incorporate climate change forecasts.	STRT1 <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>	Local	North Olympic Peninsula Resource Conservation and Development Council	Local 2020 Climate Action Group; Olympic Climate Action Group
<b>A</b>	1.3	Improve, strengthen, and streamline implementation and enforcement of laws, plans, regulations, and permits consistent with protection and recovery targets.	1 <b>ECB Address AddressThe Puget Sound Salmon Recovery Council addresses regulatory exemptions. The Salmon Recovery Council will address regulatory exemptions to provide effective oversight and mitigation sequencing for activities that impact the ecosystem. The ECB will address regulatory exemptions to provide effective oversight and mitigation sequencing for activities that impact the ecosystem.</b>	<ul style="list-style-type: none"> <li>By September 9, 2012, identify any regulatory processes that are currently moving forward and require immediate attention (e.g., the Hydraulic Project Approval rulemaking, Shoreline Master Program updates, NRCS practice standards for nutrient management and riparian buffers, and others). By June 30, 2014, deliver a report on regulatory exemptions to provide effective oversight and mitigation sequencing for activities that impact the</li> </ul>	Soundwide	ECBPSSRC	

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			ecosystem. <ul style="list-style-type: none"> <li>● Milestone 2: By June 30, 2013 develop the approach necessary to make the changes identified. By January 31, 2015, PSP will work through the ECB and Leadership Council to determine whether regulatory changes should be pursued.</li> </ul>			
A	1.3 <u>Improve, strengthen, and streamline implementation and enforcement of laws, plans, regulations, and permits consistent with protection and recovery targets.</u>	SNST1 <u>Improve regulatory effectiveness. Compile and evaluate results from existing studies and those currently being completed on the effectiveness of existing federal, state, and local regulations to protect habitat. Facilitate discussions and building trust among elected officials. Develop strategies to address common issues that are identified.</u>	<ul style="list-style-type: none"> <li>● By September 2014, compile studies including Tribal Treaty Rights at Risk White Paper, Tulalip Regulatory Analysis, Stillaguamish Regulatory Analysis, King County Critical Areas Ordinance Effectiveness Study, Snohomish County Critical Areas Regulations Review.</li> <li>● By October 2014, synthesize results based on common issues identified and highlighted as most important.</li> <li>● By November 2014, establish LIO subcommittee consisting of stakeholders to develop a series of recommendations.</li> <li>● By November 2015, implement recommended actions, including enforcement.</li> </ul>	Local	LIO (reporter)	Tulalip Tribes, Snoqualmie Tribe, King County, Snohomish County
A	1.4 Ensure full, effective compensatory mitigation for impacts that cannot be avoided.	HC <sup>6</sup> 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	<ul style="list-style-type: none"> <li>● Complete ILF Mitigation Program by June 2012. HCCC, working with its partners in this process will be in position</li> </ul>	local	HCCC	US Navy

<sup>6</sup> Updated and realigned with A2.2.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		partners in this process will be in position to implement high priority actions from the ILF for 2013 and beyond.	to implement high priority actions from the ILF for 2013 and beyond.			
<b>A</b>	<b>2</b>	<b>Protect and restore upland, freshwater, and riparian ecosystems</b>				
<b>A</b>	2.1	Protect and conserve ecologically important lands at risk of conversion.	1 <sup>7</sup> Community Forestry Conservation Act. DNR will work with Congress to encourage passage of the Community Forestry Conservation Act (HR 1982 and S 1105 of the 112th Congress), which would enable non-profit conservation organizations to use bonds to purchase private working forests for long-term environmental and economic sustainable management by 2013.	● DNR seeks passage by December 2013	soundwide	DNR
<b>A</b>	2.1	Protect and conserve ecologically important lands at risk of conversion.	<b>Updated avoidance and minimization guidance.</b> Ecology will reinforce the importance of avoiding and minimizing impacts to wetlands, particularly those with high ecological value and that are difficult to replace, by developing and implementing updated avoidance and minimization guidance.	● <u>By May 2016 Guidance completed.</u> <del>complete or not.</del>	Soundwide	Ecology
<b>A</b>	2.1	Protect and conserve ecologically important lands at risk of conversion.	<b>Port Gamble land conservation.</b> Forterra, working in collaboration with Kitsap County, the Port Gamble S'Klallam Tribe, and the Suquamish Tribe, will coordinate funding and participation to secure the conservation of <del>~7,000</del> <u>6,700</u> acres of land near Port Gamble, including <del>~2</del> <u>1.5</u> miles of shoreline.	<ul style="list-style-type: none"> <li>● <del>Milestone 1: By August 2012, apply for state and federal funding.</del></li> <li>● <del>Milestone 2: By March 2013, exercise option agreement.</del></li> <li>● <u>By March 2016, coordinate funding and participation to secure conservation of 6,700 acres and 1.5 miles of shoreline.</u> <ul style="list-style-type: none"> <li>○ <u>By February 2014, complete first acquisition of 535 acres and 1.5 miles of shoreline. (COMPLETED)</u></li> <li>○ <u>By April 2014, complete second acquisition of 366</u></li> </ul> </li> </ul>	Soundwide	Fonterra

<sup>7</sup> Completed.

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A	2.1	Protect and conserve ecologically important lands at risk of conversion.	4 <sup>8</sup>	Funding Mechanism for Properties at Imminent Risk of Conversion. PSP will work with the ECB funding committee to consider the development of a funding mechanism to rapidly acquire properties with high ecological value and imminent risk of conversion by 2013	acres.	soundwide	PSP	ECB
	2.1	Protect and conserve ecologically important lands at risk of conversion.	SC2	<b>Identify and protect high-value salmon recovery habitat and lands at immediate risk of conversion.</b> Secure funding to acquire high-priority, high-threat land as identified in salmon recovery plans and seek funding to secure property.	<ul style="list-style-type: none"> <li>● By December 2015, secure funding for acquiring land and protecting the following high-priority, high-threat areas in each WRIA.               <ul style="list-style-type: none"> <li>WRIA 8: \$7,950,000:                   <ul style="list-style-type: none"> <li>○ Middle Cedar River: 70 acres of floodplain.</li> <li>○ Issaquah Creek: 125 acres of floodplain and riparian area.</li> <li>○ Bear Creek: 150 acres of riparian areas, wetlands, and forested uplands.</li> </ul> </li> <li>WRIA 9: \$18,600,000:                   <ul style="list-style-type: none"> <li>○ Lower Green River: 273 acres of floodplain and riparian area.</li> <li>○ Middle Green River tributary streams: 230+ acres of floodplain and riparian area.</li> <li>○ Marine Nearshore (Vashon-Maury Island): 5 acres of nearshore habitat and riparian area.</li> <li>○ Duwamish River: 15 acres of floodplain, wetland and</li> </ul> </li> </ul> </li> </ul>	Local	LIO (reporter)	

<sup>8</sup> Completed.

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			<ul style="list-style-type: none"> <li>riparian area.</li> <li>WRIA 10: \$6,600,000:               <ul style="list-style-type: none"> <li>o <u>Puyallup River main stem: 130 acres of upland, floodplain, and riparian area.</u></li> <li>o <u>Carbon River canyon area: 500 acres of forested upland and riparian area.</u></li> <li>o <u>Carbon River main stem: 25+ acres of floodplain and riparian area.</u></li> <li>o <u>South Prairie Creek: 60 acres of riparian area and floodplain.</u></li> </ul> </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>			
<b>A</b>	2.1	<p><u>Protect and conserve ecologically important lands at risk of conversion.</u></p> <p>SC14</p>	<p><b><u>Retain forest canopy cover and soils to attenuate stormwater runoff.</u></b></p> <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>	<ul style="list-style-type: none"> <li>● <u>By December 2015, WSU will hold workshops on coached forest management planning.</u></li> <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>o <u>Implement Trees for</u></li> </ul> </li> </ul>	Local	LIO (reporter)

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			<p><u>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></p> <ul style="list-style-type: none"> <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 two workshops for property owners with livestock to protect and enhance riparian functions.</u></li> </ul>			
<b>A</b>	2.1 <u>Protect and conserve ecologically important lands at risk of conversion.</u>	WC14	<b><u>Kitsap Forest &amp; Bay Divide Property acquisition.</u></b> 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.	● <u>By June 2016, secure funding for acquisition.</u>	Local	Great Peninsula Conservancy LIO (reporter)
<b>A</b>	2.2 Implement and maintain priority freshwater and terrestrial restoration projects.	1	<b><u>Prairie and oak woodland restoration.</u></b> WDFW in consultation with DNR, USFWS, and Joint Base Lewis McCord, will implement priority prairie and oak woodlands restoration projects.	● <del>Milestone 1</del> Maintain a prioritized list of restoration activities. Work with South Sound partners to fund the restoration activities. Update list with completed action	Soundwide	WDFW DNR, USFWS

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A	2.2	Implement and maintain priority freshwater and terrestrial restoration projects.	WSWC12 <sup>9</sup> <b>West Sound Priority Watersheds for Protection.</b> <del>By February 2015,</del> The Suquamish Tribe will develop a detailed protection and restoration plan for the upper Chico Creek watershed. <del>By December 2015,</del> 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>	Local	Suquamish Tribe	
	2.2	Implement and maintain priority freshwater and terrestrial restoration projects.	WH4 <b>Padden Creek enhancements—24th to 30th Streets.</b> 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>	Local	City of Bellingham	
	2.2	Implement and maintain priority freshwater and terrestrial restoration projects.	WH5 <b>WRIA 1 culvert inventory maintenance.</b> 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” when funding becomes available to implement projects.	<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 three priority fish passage barriers (output).</li> </ul>	Local	<sup>10</sup> -To be determined	USFS, WCPW, NSEA, WDFW
	2.2	Implement and maintain priority freshwater and terrestrial restoration projects.	SNST4 <b>Local habitat protection and restoration.</b> Implement effective habitat protection strategies that have been identified in local plans, recommended by stakeholders, and	<ul style="list-style-type: none"> <li>During 2014–2015, identify priority protection actions that can be implemented.</li> <li>By December 2015, establish</li> </ul>	Local	LIO	City of Snohomish, Snohomish County,

<sup>9</sup> Updated. All West Central actions recoded using “WC.”

<sup>10</sup> Ownership to be determined.

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			<p><u>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>	<p><u>conservation easements of unarmored shoreline parcels in Port Susan.</u></p> <ul style="list-style-type: none"> <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>			<p><u>Snohomish Conservation District, Forterra, The Nature Conservancy, King County</u></p>
A	2.2	Implement and maintain priority freshwater and terrestrial restoration projects.	HC2	<p><b>HCCC in lieu fee mitigation.</b> 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.</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 jurisdiction.</u></li> <li>● <u>Ongoing through spring 2016, HCCC will strive to implement mitigation projects within the 3-year post-credit sale timeframe. Project</u></li> </ul>	Local	LIO (reporter)

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				<p><u>implementation could include one marine project and one freshwater wetland project.</u></p> <ul style="list-style-type: none"> <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	Implement and maintain priority freshwater and terrestrial restoration projects.	WC15	<p><b><u>Springbrook Creek fish passage enhancement and water quality retrofit.</u></b> 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.</p>	<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>	Local	City of Bainbridge Island
<b>A</b>	2.2	Implement and maintain priority freshwater and terrestrial restoration projects.	WC16	<p><b><u>Duwe'iq stormwater treatment wetland and stream restoration.</u></b> 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.</p>	<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> <li>● <u>A statistically significant improving trend of fecal coliform during the wet season at the northern Dyes</u></li> </ul>	Local	Kitsap County Surface and Stormwater Management

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			<ul style="list-style-type: none"> <li>Inlet marine stations.</li> <li>Increased public green space along the Clear Creek Trail.</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 construct floodplain, restore stream habitat, remove road, enhance trails, reduce downstream flooding, and advance public education about floodplains/wetlands/stormwater in Clear Creek. This includes:</p> <ul style="list-style-type: none"> <li>Completion of restoration design.</li> <li>Completion of project permitting.</li> <li>Completion of project construction.</li> </ul>	<ul style="list-style-type: none"> <li>By December 31, 2016, completion of project design and permitting.</li> <li>By December 31, 2017, completion of project construction.</li> <li>By December 31, 2017, 8.2 acres of floodplain constructed.</li> <li>By December 31, 2017, 2,120 feet of stream habitat improved.</li> </ul>	Local	Kitsap County Surface and Stormwater Management
A	2.3	Implement restoration projects in urban and developed areas while accommodating growth, density, and infill development.		No Soundwide near-term actions. Work is focused on implementation of ongoing programs.			
A	3	<b>Protect and Steward Ecologically Sensitive Rural and Resource Lands</b>					
A	3.1	Use integrated market-based programs, incentives, and ecosystem markets to steward and conserve private forest and agricultural lands.	1	<p><b>Use of Agriculture Conservation Program funds.</b> WSCC will enhance use of conservation and habitat restoration program funding from a variety of sources, (i.e., Conservation Reserve Enhancement Program and Environmental Quality Incentives Program) that are currently underused by and not tailored for western Washington growers.</p>	<ul style="list-style-type: none"> <li><del>Milestone 1-</del> By August 15, 2012<del>2015</del>, WSCC will work with conservation districts to enhance the use of WSCC's Conservation Practice Data System <u>or identify an alternative database system</u>, for project identification.</li> <li><del>Milestone 2-</del> By Sept 30, 2012<del>2015</del>, 12 Puget Sound districts will enter data into the Conservation Practice Data System and identify projects that, when implemented, will address threats to Puget Sound.</li> <li><del>Milestone 3-</del> By December 2013<del>2015</del>, there will be a 50</li> </ul>	Soundwide	WSCC

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			<p>percent increase in the use of the Conservation Practice Data System to link projects to funding sources.</p> <ul style="list-style-type: none"> <li>• <del>Milestone 4: By June 2016</del><sup>11</sup>, WSCC will work with conservation districts, Ecology, federal agencies and others to identify opportunities for improvements to agriculture conservation program funding.</li> </ul>			
A	3.1 Use integrated market-based programs, incentives, and ecosystem markets to steward and conserve private forest and agricultural lands.	2	<p><b>Landowner incentives for transfer of development rights and ecosystem markets.</b> Commerce and Ecology, in coordination with DNR and WSCC, will provide technical support and fund local projects to identify and implement landowner incentives, including transfer of development rights and ecosystem services markets.</p>	<ul style="list-style-type: none"> <li>• <u>Milestone 1: Amount of technical support and local funding provide Commerce will provide technical support and funding to progress established transfer of development rights in at least four counties.</u></li> <li>• <u>Commerce will provide assistance to at least two additional counties with new transfer of development rights.</u></li> </ul>	Soundwide	Ecology, Commerce, Ecology, DNR, WSCC
A	3.1 Use integrated market-based programs, incentives, and ecosystem markets to steward and conserve private forest and agricultural lands.	3 <sup>11</sup>	<p><del>Forest Watershed Services. DNR will support pilot market transactions for delivery of watershed services from private forest landowners to downstream water beneficiaries in at least the Snohomish and Nisqually watersheds.</del></p>	<ul style="list-style-type: none"> <li>• <del>Two pilot transactions completed by December 2012</del></li> </ul>	soundwide	DNR
A	3.2 Retain economically viable working forests and farms.	1	<p><b>Protect working forests Strategy.</b> DNR will <u>work with other interested parties to develop a comprehensive strategy for retaining economically viable, long-term working forestlands. DNR will lead a collaborative process to develop a comprehensive strategy</u></p>	<ul style="list-style-type: none"> <li>• <u>Milestone 1: Initiate By October 2013</u><del>2014</del>, develop collaborative strategy.</li> </ul>	Soundwide	DNR

<sup>11</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		for retaining economically viable, long-term working forestlands.				
A	3.2 Retain economically viable 2 working forests and farms.	<b>Agriculture strategy.</b> PSP, in collaboration with WSDA, Ecology, WSCC, and agricultural partners <del>will develop</del> <u>has convened an advisory committee to consider development of a Puget Sound agricultural strategy.</u> This strategy will identify needs for maintaining the health of the industry, and key areas where the agricultural industry can contribute to the protection and restoration of Puget Sound. It will be included in the <del>2013-2016</del> Action Agenda.	<ul style="list-style-type: none"> <li>• <del>Milestone 1: By September 2012, convene an advisory committee and agree on scope and approach.</del></li> <li>• <del>Milestone 2: By July 2013</del> <u>July 2014, produce a draft strategy for inclusion in the <del>2013-2016</del> draft Action Agenda.</u></li> <li>• <del>Milestone 3: In October 2013</del> <u>2014, review the strategy with the Action Agenda and in at least three additional workshops with agricultural partners</u></li> <li>• <del>Milestone 4: Include the final agriculture strategy in the 2013-2016 Action Agenda update.</del></li> </ul>	Soundwide	PSP	WSDA, Ecology, WSCC
A	4	<b>Encourage compact regional growth patterns and create dense, attractive and mixed-use and transit-oriented communities</b>				
A	4.1 Integrate growth, infrastructure, transportation, and conservation planning at sub-regional levels and across jurisdictions.	<sup>12</sup> Regional Sustainable Communities Program: Commerce will develop a Soundwide program to undertake integrated regional planning that will guide state and local investments in ecosystem protection, land use, transportation and housing, similar to the federal sustainable communities program. Draft scoping document will be completed by January 2013 for discussion with the Leadership Council to advance for decision making.	<ul style="list-style-type: none"> <li>• Commerce will deliver a proposed program scope to Puget Sound Partnership by January 2013. Based on the scoping document and discussions with the Leadership Council, Commerce will develop additional milestones to advance the program by February 2013.</li> </ul>	soundwide	Commerce	
A	4.1 Integrate growth, infrastructure, transportation, and conservation planning at sub-regional levels and	<sup>2</sup> <sup>13</sup> <b>Regional sustainable communities program.</b> <u>Commerce will work with local communities to implement Soundwide integrated regional planning that will integrate ecosystem protection, land use, transportation and</u>	<ul style="list-style-type: none"> <li>• <u>By December 2014, implement regional planning in at least two local communities.</u></li> </ul>	Soundwide	Commerce	

<sup>12</sup> Completed.

<sup>13</sup> Proposed follow-on action to completed A4.1.1.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>across jurisdictions.</u>		<u>housing, similar to the federal sustainable communities program.</u>	<ul style="list-style-type: none"> <li>By December 2015, <u>implement in at least two additional local communities.</u></li> </ul>			
A	4.2 Provide infrastructure and incentives to accommodate new and re-development within urban growth areas.		No <u>Soundwide</u> near-term actions identified.				
A	4.2 <u>Provide infrastructure and incentives to accommodate new development and re-development within urban growth areas.</u>	SC13	<p><b><u>Complete Regional Alliances Project and share results to increase infill development in urban centers while meeting stormwater requirements and Growth Management Act mandates.</u></b> Through the <u>Regional Alliance Project.</u></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><u>Key partner in these efforts: Commerce</u></p>	<ul style="list-style-type: none"> <li>By February 2015, <u>develop a formal report on agreed next steps to Puget Sound Regional Council Growth Management Policy Board.</u></li> <li>By March 2015, <u>present a final report to the PSP ECB.</u></li> </ul>	Local	<u>LIO (reporter)</u>	
A	4.3 Enhance and expand the benefits of living in compact communities.		No near-term actions identified.				
A	<b>5 Protect and restore floodplain function</b>						
A	5.1 Improve data and information to accelerate floodplain protection, restoration, and flood hazard management.	1	<p><b><u>Floodplain protection and policy team actions.</u></b> PSP will advance floodplain protection and restoration by facilitating actions, policy changes, and program changes necessary to reduce critical barriers to habitat protection and restoration. Funding will be focused on the places that have the greatest potential to recover floodplain functions.</p>	<ul style="list-style-type: none"> <li>By December 2012, <u>PSP convenes a Puget Sound Floodplain Protection and Recovery Policy Team to establish a working definition of 'floodplain' and 'floodplain function' in the context of the 2020 floodplains recovery target.</u></li> </ul>	Soundwide	PSP	<u>Ecology, The Nature Conservancy</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>● By December 2012, work with local levee owners to identify the barriers to implementing levee setbacks and habitat friendly levee management practices and work with key parties to address barriers, including an evaluation of changes that could be made to PL84-99 that requires damaged levees to be reconstructed in place rather than use the funding to do a levee setback.</li> <li>● By June 2013, identify the policy and program changes of federal, state, and local flood risk management, flood mitigation and ecosystem protection and restoration programs to foster multi-objective floodplain management.</li> <li>● By June 2013, identify floodplain areas, prioritize those most important for protection, restoration, farmland preservation or other compatible and non-compatible uses, and identify the implementation steps needed to protect functioning floodplain areas.</li> <li>● By June 2013/2014, draft an action plan to address the programs and target programmatic recommendations for legislative change, rule amendments, and administrative changes, needed to achieve the</li> </ul>			

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p>floodplains pressure reduction target using the results in the July 2010 "Floodplain Management: A Synthesis of Issues Affecting Recovery of Puget Sound" report and other relevant and timely information.</p> <ul style="list-style-type: none"> <li>By December 2014, submit final report to the Department of Ecology.</li> </ul>			
<b>A</b>	5.1 <u>Improve data and information to accelerate floodplain protection, restoration, and flood hazard management.</u>	2 <sup>14</sup>	<p><b>Regional floodplain vision and program.</b>  <u>Identify the goals, capital project plans and funding needs associated with achieving PS floodplain recovery goal.</u></p>	Soundwide	The Nature Conservancy	PSP, Ecology
<b>A</b>	5.1 <u>Improve data and information to accelerate floodplain protection, restoration, and flood hazard management.</u>	WH3	<p><b>Lower Nooksack floodplain management.</b>  <u>Complete habitat assessments and restoration plans for Reaches 1-4 of the mainstem Nooksack. The restoration plans will advance the Flood/Fish Integration action in the WRIA 1 Salmonid Recovery Plan (through incorporation into Systemwide Improvement Framework Plan and/or Comprehensive Flood Hazard Management Plan), and will provide technical information to support the Whatcom Conservation District's restoration and riparian efforts in agricultural areas. This action is critical to ultimately restoring Nooksack River floodplain.</u></p>	Local	WRIA 1 Salmon Recovery Board	WCPW, LNR, WCD, NNR

<sup>14</sup> Proposed follow-on action to A5.1.1

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<p>that identifies working lands and essential environmental features including fish and wildlife habitat that will inspire individual landowner participation in protection and restoration actions.</p> <ul style="list-style-type: none"> <li>By February 2016, Salmon Recovery Staff Team develops preliminary design for integrated floodplain restoration project and associated grant proposal to procure construction funding.</li> </ul>				
A	5.2	Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts. <sup>15</sup>	<p><b>Improved permit process.</b> Support WDFW, Ecology, Corps, USFWS, and NOAA in making changes to improve the current permit process.</p> <p><del>No near term actions. Work is focused on implementation of ongoing programs.</del></p>		Soundwide	The Nature Conservancy	Ecology, PSP
A	5.2	Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts. SNST7	<p><b>Floodplain management for farm-fish-flood.</b> 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.</p> <ul style="list-style-type: none"> <li>Continue development of Farm-Fish-Flood Coordination efforts led by King County.</li> <li>Utilize synergies between local and state agencies to coordinate and leverage efforts that deal with farm-fish-flood issues, such as Floodplains by Design.</li> </ul>	<ul style="list-style-type: none"> <li>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).</li> <li>By December 2014, complete a countywide plan and strategy for implementing reach-scale plans.</li> <li>By December 2015, complete</li> </ul>	Local	Snohomish County	Snohomish Conservation District, King County, KCD, The Nature Conservancy

<sup>15</sup> Proposed follow-on action to A5.1.1

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p><u>the design and construction of two high priority projects listed in the plans.</u></p> <ul style="list-style-type: none"> <li>● <u>By December 2015, secure funding to help support a cost-share program for farm pads or elevated farm structures.</u></li> </ul>			
A	5.2 <u>Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts.</u>	<p>SC5</p> <p><b><u>Improve floodplains management by creating partnerships of interested parties (especially local governments and business community).</u></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> <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</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 jurisdictions with significant floodplain area that comply with the FEMA Biological Opinion.</u></li> <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</u></li> </ul>	Local	LIO (reporter)	<p>Key partners for these efforts: PSP, Ecology, WDFW, MIT, Corps, NOAA, and FEMA." to the secondary owners.</p>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
		<p><u>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></p> <ul style="list-style-type: none"> <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>	<u>and restoration projects in King and Pierce Counties.</u>				
A	5.3	Protect and maintain intact and functional floodplains.	1 <sup>16</sup>	FEMA Annual Reporting for NFIP BiOp. By 2012, FEMA will complete augmented annual reporting requirements relative to the obligations of the 122 communities in Puget Sound to abide by the NMFS NFIP BiOp, including policy sufficiency, implementation	● (Status of FEMA reporting requirements) By 2012, FEMA reporting requirements are complete.	soundwide	FEMA

<sup>16</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
		<del>effectiveness, and on the ground implementation effectiveness.</del>					
A	5.3 Protect and maintain intact and functional floodplains.	2	<b>Critical areas ordinance updates on frequently flooded areas.</b> Ecology, Commerce, and other interested state agencies will develop a strategy for and lead effective state engagement with local governments in the next round of critical areas ordinance updates on frequently flooded areas.	● By <del>2013</del> 2015, strategy is complete.	Soundwide	Ecology	Commerce
A	5.3 Protect and maintain intact and functional floodplains.	3 <sup>17</sup>	<b>Biological opinion compliance and floodplain target.</b> PSP will evaluate how biological opinion compliance contributes to achieving the floodplains target. This includes policy analysis of jurisdictional compliance, development that has occurred since the biological opinion, and recommendations for next steps.	● By <del>2013</del> December 2015, evaluation is complete.	Soundwide	<del>PSP</del> To be determined	
A	5.3 Protect and maintain intact and functional floodplains.	4	<b>Levee vegetation.</b> PSP will continue to work with the Corps to craft a <u>prioritized list of floodplain capital projects addressing flood risk and habitat issues and, as needed, variances for specified segments of levees.</u> <u>This work is being done primarily through the system-wide improvement framework pilot projects being implemented by King and Whatcom counties.</u> <del>regional variance to their vegetation on levees policy.</del>	● <del>2013, new language for regional variance developed and adopted.</del> By June 2015, <u>develop a prioritized list of floodplain capital projects addressing flood risk and habitat issues and, as needed, variances for specified segments of levees.</u>	Soundwide	PSP	Corps
A	5.3 <u>Protect and maintain intact and functional floodplains.</u>	5 <sup>18</sup>	<b>Floodplain permitting assistance.</b> Ecology and Commerce will develop policy and technical assistance programs that integrate <u>the recommendations and requirements listed within a) NMFS' National Flood Insurance Program Biological Opinion, and b) FEMA's National Flood Risk Information Project policy and program recommendations for implementation.</u>	● By 2015, develop policy and technical assistance programs to integrate and implement <u>the recommendations and requirements listed within NMFS' National Flood Insurance Program Biological Opinion and FEMA's National Flood Risk Information Project</u>	Soundwide	Ecology	Commerce

<sup>17</sup> Suggest consideration by federal caucus. Completion date may need revision.

<sup>18</sup> Proposed follow-on action to completed A5.3.1.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
A	5.4	Implement and maintain priority floodplain restoration projects.	1	<p><b>Prioritization of state highways with floodplain impacts.</b> WSDOT will identify and prioritize the state highway <del>facilities bridges</del> (approximately <del>500-550 structures and 185 miles of highway</del>) that have the biggest impacts on floodplain function and connectivity, including consideration of WSDOT's 2011 Climate Impacts Vulnerability Assessment Report, <del>by December 2014 (or 18 months after funding is obtained).</del></p>	<p><u>policy and program.</u></p> <ul style="list-style-type: none"> <li>• <del>Milestone 1:</del> <u>By June 2013, Obtain funding for the impact analysis from the NEP Watershed grant program.</u></li> <li>• <del>Milestone 2:</del> <u>Complete the analysis and present the results to the ECB and Leadership Council, by December 2014. By February 2015,</u></li> <li>• <del>Milestone 3:</del> <u>Within 18 months of obtaining funding, identify future actions and performance measures in consideration for of integrating the prioritization work into the WSDOT decision-making process for repair and bridge replacement projects. Target dates for milestone 2 and 3 are dependent on obtaining grant funding.</u></li> </ul>	Soundwide	WSDOT	<u>Ecology, PSP, The Nature Conservancy</u>
A	5.4	Implement and maintain priority floodplain restoration projects.	2	<p><del>Agricultural</del> <b>Agricultural land ecosystem services markets.</b> WSCC, working with conservation districts, <del>and Watershed watershed Groups groups,</del> and counties will <del>have identify</del> three pilot projects <del>underway opportunities</del> that demonstrate ecosystem services markets associated with flood hazard prevention and agricultural lands in floodplains.</p>	<ul style="list-style-type: none"> <li>• <del>Milestone 1:</del> <u>By November 2012/2015, WSCC will have convened discussions and identified candidate areas.</u></li> <li>• <del>Milestone 2:</del> <u>By December 2013/2015, the WSCC will identify three possible pilot projects demonstrating ecosystem service markets for floodplains are in place.</u></li> </ul>	Soundwide	WSCC	
A	5.4	Implement and maintain priority floodplain restoration projects.	3	<p><b>Candidate areas for land swaps.</b> WSCC will work with conservation districts, agricultural community, watershed planning groups, and local jurisdictions to use the outputs from the characterization work (A5.1.1) to identify potential land swaps (i.e., county land use</p>	<ul style="list-style-type: none"> <li>• <del>Milestone 1:</del> <u>By December 2012/2015, WSCC will convene interested parties in at least two organizing meetings to identify candidate areas.</u></li> <li>• <del>Milestone 2:</del> <u>By June</u></li> </ul>	Soundwide	WSCC	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		and conservation districts) and identify candidate areas available to expand for agriculture outside of priority floodplain areas.	2013-2016, potential land swaps will be identified in five candidate areas available to expand for agriculture.			
A	5.4 Implement and maintain priority floodplain restoration projects 4 <sup>19</sup>	<b>Implement priority multiple-benefit floodplain restoration projects.</b> Secure funding for high-priority projects listed.	<ul style="list-style-type: none"> <li>By December 2014, identify the projects within Puget Sound that best advance floodplain ecosystem recovery while also achieving important flood risk reduction and other important community benefits.</li> <li>By June 2015, obtain funding to support priority projects through Ecology's Floodplains by Design grant program.</li> </ul>	Soundwide	Ecology	PSP, The Nature Conservancy
A	5.4 Implement and maintain priority floodplain restoration projects 5 <sup>20</sup>	<b>Implement priority multiple-benefit floodplain restoration projects.</b> Develop and initiate a regional technical team to support the development of integrated reach-scale plans and projects.	<ul style="list-style-type: none"> <li>By December 2014, regional technical team scoped and included in Ecology and/or PSP budget request(s).</li> <li>By June 2015, obtain funding.</li> <li>By December 2015, initiate team.</li> </ul>	Soundwide	Ecology	The Nature Conservancy, PSP
A	5.4 Implement and maintain priority floodplain restoration projects. WH8	<b>Marietta Acquisition.</b> 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.	<ul style="list-style-type: none"> <li>By December 2015, complete ESRP acquisitions.</li> <li>By December 2015, complete additional acquisitions.</li> <li>By December 2015, assess and remediate former gas station sites.</li> </ul>	Local	Whatcom County	
A	6 <b>Protect and recover salmon</b>					
A	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan. 1	<b>Secure annual chinook investment.</b> PSP, in collaboration with the Salmon Recovery Council, the Governor's Salmon Recovery Office in the Recreation and Conservation Office, WDFW, and the Northwest Indian	<ul style="list-style-type: none"> <li>By December 2013, the \$120 million as estimated in 2005 is in place from a variety of federal, state, local and private sources.</li> </ul>	Soundwide	PSP	

<sup>19</sup> Proposed follow-on action to A5.1.1

<sup>20</sup> Proposed follow-on action to A5.1.1

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<p>Fisheries Commission will develop and implement a strategy to <del>will secure from a combination of sources, the annual investment of \$120 million to the annual investment as required to fully implement the approved Puget Sound Chinook Salmon Recovery Plan. PSP will work with its salmon recovery partners to align that funding in support</del>, and work to align that funding in support of the highest priority protection and restoration projects as identified by salmon recovery lead entities. <del>This investment strategy will be developed as part of the overall Puget Sound recovery funding strategy.</del></p>	<ul style="list-style-type: none"> <li>• <del>By December 2014, obtain the new annual investment.</del></li> <li>• <del>By December 2014, a strategy for securing funds has been jointly developed by WDFW, GSRO, PSP and other salmon recovery folks.</del></li> <li>• <del>By December 2015, significant steps have been taken to implement the new strategy completed in the previous milestone.</del></li> <li>• <del>By December 2016, obtain the new annual investment.</del></li> </ul>			
A	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	2	<p><b>Restoration permit barriers. Develop a strategy for a new interagency identify and address barriers to faster permitting team that would assist in faster permitting of habitat recovery projects, including multiple objectives of salmon recovery restoration projects, so that the majority of restoration projects can begin construction within one year of completing design and securing funding. By September of 2012 PSP will initiate this process and identify a lead and next steps.</b></p>	<ul style="list-style-type: none"> <li>• <del>By September 2012, PSP identifies a lead. By July 2014, a strategy for a new interagency permitting team to assist in faster permitting of habitat recovery projects is completed.</del></li> <li>• <del>Milestone 2: By December 2012, PSP works with lead to complete a scope of work.</del></li> <li>• <del>Milestone 3:</del></li> <li>• <del>By December 2015, have interagency team in place assist in faster permitting of habitat recovery projects.</del></li> <li>• <del>By June 2013, at least three major barriers and ways to address them have been identified. By July 2014, work with lead to addressing permitting barriers for floodplain restoration projects. Milestone 4:: By December 2, steps to address</del></li> </ul>	Soundwide	PSP The Nature Conservancy

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
A	6.1	Implement high priority projects identified in each watershed's three-year work plan.	3 <sup>21</sup>	BNSF Railroad Cooperative Agreement. By December 2013, PSP, in collaboration with the Salmon Recovery Council, will develop a cooperative agreement with Burlington Northern Santa Fe Railroad to enable the implementation of high priority salmon recovery projects that intersect with the railroad right of way.	the barriers are in <ul style="list-style-type: none"> <li>Convene a workshop with salmon recovery, other ecosystem recovery project implementers, and PSNERP to document progress to date with BNSF and identify next steps to develop an agreement by December 2012. Initial agreement framework with BNSF completed by June 2013. Cooperative agreement in place by December 2013.</li> </ul>	soundwide	PSP	
	6.1	<u>Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts.</u>	<u>WH1</u>	<u>Implement Chinook restoration projects in the WRIA 1 Salmon Recovery 3-Year Work Plan.</u> 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.	<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>	Local	<u>WRIA 1 Salmon Recovery Board (Lead Entity)</u>	<u>Nooksack Tribe, Lummi Nation, Whatcom County, Whatcom Land Trust, NSEA, WCD, City of Bellingham, WDFW, USFS, and others are supporting partners</u>
	6.1	<u>Implement high priority projects identified in each salmon recovery 3-year</u>	<u>ISL6</u>	<u>Restore tidal inundation.</u> Island County will restore tidal inundation to one or more isolated pocket estuaries or tidal wetlands.	<ul style="list-style-type: none"> <li>By December 2014, reconnect one tidal wetland or pocket estuary to tidal influence.</li> </ul>	Local	<u>WRIA 6 Lead Entity</u>	

<sup>21</sup> Modified over course of implementation. Expected completion in June 2014.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>work plan.</u>		<u>The project selected will address either poor design or malfunctioning tidegates to improve habitat for juvenile salmon.</u>	<ul style="list-style-type: none"> <li>● <u>By December 2014, secure funding to monitor habitat changes and/or juvenile salmon for restoration project to monitor improvements.</u></li> <li>● <u>By July 2014, develop a prioritization of blockages, failing culverts, flood risks, etc. Prioritization report to include ecosystem benefits for each project.</u></li> </ul>			
<b>A</b>	<u>6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	<u>SNST13</u>	<p><b><u>Salmon/multi-species recovery plans.</u></b>  <u>Support priority projects as specified in the salmon recovery plan, salmon recovery 3-year work plans, and basin’s 10- and 50-year salmon recovery goals.</u></p> <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>	<ul style="list-style-type: none"> <li>● <u>By December 2014, identify top habitat restoration projects that are ready to go in the next 2 years.</u></li> <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>Local</u>	<u>Stillaguamish Lead Entity and Snohomish Lead Entity</u>	<u>Snohomish County, Stillaguamish Watershed Council, Snohomish Basin Salmon Recovery Forum, King County, Snoqualmie Valley cities</u>
<b>A</b>	<u>6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	<u>SC3</u>	<b><u>Implement high-priority projects listed in local salmon recovery plans.</u></b> <u>Secure funding for high-priority projects listed in the salmon recovery 3-year work plans for WRIAs 8, 9, and 10.</u>	<ul style="list-style-type: none"> <li>● <u>By December 2015, secure funding for implementation of high-priority restoration actions in each watershed. WRIA 8: \$16,690,000 for habitat restoration and \$50,000,000 for infrastructure</u></li> </ul>	<u>Local</u>	<u>LIO (reporter)</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p><u>improvements, including fish passage facilities at Hiram H. Chittenden (a.k.a. Ballard) Locks.</u></p> <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 infrastructure improvements, including critical fish passage facilities as secured funding from headquarters.</u></li> <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> </ul>			

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <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> <li><u>WRIA 10: \$80,000,000.</u></li> <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> <li>● <u>By June 2014, WRIsAs will report to LIO on status of implementation of high-priority habitat protection and restoration in salmon recovery plans.</u></li> </ul>			

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
A	6.1	Implement high priority projects identified in each salmon recovery watershed's three-year work plan.	SJI9 <sup>22</sup>	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	<ul style="list-style-type: none"> <li>To be determined</li> </ul>	local	SJC Lead Entity for Salmon Recovery	
A	6.1	Implement high priority projects identified in each salmon recovery 3-year work plan.	SJI10	<b>Salmon recovery, habitat protection and restoration (Near Term Shoreline Action II).</b>	<ul style="list-style-type: none"> <li>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. Projects include acquisition and conservation easements, and protection and restoration actions.</li> <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>	Local	San Juan County Lead Entity for Salmon Recovery	Green Shores for Homes, Friends of the San Juans
A	6.1	Implement high priority projects identified in each salmon recovery watershed's three-year work plan.	STRT 1 <sup>23</sup>	Elwha River Ecosystem Recovery. Implement Elwha River Ecosystem Recovery Efforts and associated projects a. Stock preservation and weir operation b. Monitoring (adults, juveniles, smolts) c. Habitat restoration projects	<ul style="list-style-type: none"> <li>Continuous weir operation and monitoring of salmonids (adults, juveniles, and smolts) on the Elwha River.</li> </ul>	local	Elwha Fish Committee	
A	6.1	Implement high priority projects identified in each	STRT 2 <sup>24</sup>	Straits Salmon Recovery Plans: Implement N. Olympic Peninsula Lead Entity (NOPL) for	<ul style="list-style-type: none"> <li>Initiate or significantly advance all of the four</li> </ul>	local	North Olympic Peninsula Lead	

<sup>22</sup> Revised, see A6.1 SJI10.

<sup>23</sup> Split into multiple, individual project-based actions.

<sup>24</sup> Split into multiple, individual project-based actions.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	salmon recovery watershed's three-year work plan.		Salmon and Hood Canal Coordinating Councils Lead Entity (HCCC-LE) 3-year Work Plans a. North Olympic Peninsula Lead Entity (NOPL) 3-year Work Plan b. NOPL Elwha revegetation project c. NOPL Dungeness River floodplain restoration, Phase II d. NOPL 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	specific Priority Actions identified by the Strait ERN for the Strait Action Area.		Entity, Hood Canal Lead Entity	
A	6.1 Implement high priority projects identified in each salmon recovery watershed's three-year work plan.	HC6	<del>Hood Canal Salmon Recovery. Hood Canal Coordinating Council Lead Entity for salmon recovery will continue to target funding to highest 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. <u>HCCC will develop a process for prioritizing acquisition, protection, and restoration actions and continue to target funding to the highest priority salmon recovery actions.</u>	<ul style="list-style-type: none"> <li><del>To be determined</del>To be determinedTo be determinedBy spring 2014, under direction of the Board, <u>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.</u></li> <li><u>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.</u></li> <li><u>By spring 2016, HCCC will work with partners to secure funding and/or develop feasibility studies for the top 10 priority projects.</u></li> <li><u>By fall 2015, initial construction will be completed for the Skokomish Estuary floodplain project, selected for state funding</u></li> </ul>	Local	HCCC Lead Entity	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p><u>under the floodplains by design, the Skokomish Tribe, Mason Conservation District, and Ecology.</u></p> <ul style="list-style-type: none"> <li>• <u>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.</u></li> </ul>			
A	6.1 Implement high priority projects identified in each salmon recovery watershed's three-year work plan.	WS-9 WC9	<p><b>West Sound SR3 Chico Creek culvert replacement.</b> <u>West Sound SR3 Chico Creek culvert replacement. 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.</u></p>		Local	LIO (reporter) WSDOT
A	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	SS12	<p><b>Salmon recovery 3-year work plan implementation—WRIA 10/12.</b> <u>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.</u></p>		Local	WRIA 10/12 Lead Entity
A	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	SS13	<p><b>Salmon recovery 3-year work plan implementation—WRIA 13.</b> <u>Each lead entity will implement at least one top tier project each year from their South Sound Salmon</u></p>		Local	WRIA 13 Lead Entity

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		Recovery 3-Year Work Plan. They will <u>determine year one project and set up performance measures at the start of each fiscal year.</u>	<u>work plan for WRIA 13. Projects may include acquisition, protection, and/or restoration actions.</u>			
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	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 <u>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 for WRIA 14. Projects may include acquisition, protection, and/or restoration actions.</u></li> </ul>	Local	WRIA 14 Lead Entity	
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	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 <u>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>Complete acquisition of 250-acre McKenna Ranch property.</u></li> <li>• <u>Begin floodplain restoration of McKenna Ranch property.</u></li> <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>	Local	WRIA 11 Lead Entity	
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	SS16 <b>Salmon recovery 3-year work plan implementation—WRIA 15.</b> 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 <u>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>	Local	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 <b>Hood Canal salmon recovery monitoring and adaptive management.</b> HCCC working with many partners, state and federal agencies, and the tribes will complete a <u>Monitoring and Adaptive Management Framework for both Skokomish Chinook and Mid Hood Canal Chinook. Monitoring protocols and plans for</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</u></li> </ul>	Local	HCCC (Lead)	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<u>both Chinook salmon recovery chapters will be completed.</u>	<p>Entity and HCCC Board will <u>approve a Mid Hood Canal Chinook Monitoring and Adaptive Management Framework.</u></p> <ul style="list-style-type: none"> <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>			
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	WC18 <b>Chico/Keta Park culvert replacement and floodplain restoration.</b> <u>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>	<ul style="list-style-type: none"> <li>• <u>By December 2014, culvert design completed.</u></li> <li>• <u>By June 2016, culvert replaced.</u></li> </ul>	Local	Kitsap County Roads	Suquamish Tribe
<b>A</b>	6.1 <u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	STRT4 <b>Implement the highest priority habitat restoration and protection projects in the Elwha River ecosystem as informed by adaptive management.</b> <u>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</u>	<ul style="list-style-type: none"> <li>• <u>By 2016, three projects will be funded.</u></li> </ul>	Local	Lower Elwha Klallam Tribe	ONP, North Olympic Lead Entity for Salmon

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		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.				
A	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	STRT5 <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.	<ul style="list-style-type: none"> <li>In 2014, seven Salmon Recovery Funding Board and Puget Sound Acquisition and Restoration projects funded.</li> <li>In 2015, 10 Salmon Recovery Funding Board and Puget Sound Acquisition and Restoration projects funded.</li> </ul>	Local	North Olympic Lead Entity for Salmon (reporter)	
A	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	STRT6 <b>Implement the restoration and revegetation plan for Lake Mills and Lake Aldwell on the Elwha River.</b>	<ul style="list-style-type: none"> <li>By 2016, plant 360 total acres (i.e., 130 acres in both 2014, 130 acres in 2015, 100 acres in 2016).</li> <li>Each year, through 2016 (and beyond if needed), treat the 700 acres associated with the drained reservoirs to achieve a 75% reduction in invasive species.</li> </ul>	Local	Olympic National Park	Lower Elwha Klallam Tribe
A	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	STRT7 <b>Implement Dungeness river floodplain restoration projects.</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>	Local	Clallam County Department of Community Development	Corps, Jamestown S'Klallam Tribe, WDFW, WSDOT, North Olympic Lead Entity for Salmon
A	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	STRT8 <b>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.</b>	<ul style="list-style-type: none"> <li>By 2016, document pool and spawning gravel formation.</li> </ul>	Local	Lower Elwha Klallam Tribe	
A	6.1 Implement high priority projects identified in each salmon recovery 3-year work plan.	STRT9 <b>Implement the Pysht River salt marsh estuary restoration project.</b> Project includes removal of suction and clamshell dredge deposits placed on a 21.5 acre area of	<ul style="list-style-type: none"> <li>By 2016, restore 21.5 acres of saltmarsh and 2 miles of tidal channels.</li> </ul>	Local	Lower Elwha Klallam Tribe	Merrill and Ring, Forterra

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<u>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.</u>				
<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>● <u>By 2016, 13 projects funded in eastern Strait of Juan de Fuca.</u></li> </ul>	Local	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>● <u>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.</u></li> <li>● <u>Maynard Nearshore: By year end 2014, removal of 4 acres of nearshore fill, 1,250 linear feet of bulkhead, and 3 acres of riparian plantings.</u></li> </ul>	Local	North Olympic Salmon Coalition	
<b>A</b>	6.1	<u>Implement high priority projects identified in each salmon recovery 3-year work plan.</u>	STRT37 <b><u>Implement stream flow improvement projects within the Dungeness portion of the Elwha-Dungeness Water Resources Area (WRIA 18).</u></b> Stream flow improvement projects include Water Acquisitions, Irrigation Efficiency, Water Storage & Aquifer Recharge, and Source Substitution; Also, work to update Ecology's 2003 Final Environmental Impact Statement on water conservation needs.	<ul style="list-style-type: none"> <li>● <u>Irrigation Efficiency Project Implementation: By 2015, 2.0 cubic feet per second (600 acre-feet) restored to the river.</u></li> <li>● <u>Water Storage and Aquifer Recharge Project Implementation: By 2015, 1.0 cubic feet per second (300 acre-feet) restored to the river.</u></li> <li>● <u>Source Substitution Project Implementation: By 2016, 0.5 cubic feet per second restored to river.</u></li> </ul>	Local	Clallam Conservation District and Washington Water Trust	Ecology; Water Users Associations

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>Water Acquisition Project Implementation: By 2016, 0.5 cubic feet per second restored to river.</li> </ul>			
A	6.2 Implement the high priority salmon recovery actions identified in other parts of the Action Agenda and the Biennial Science Work Plan.	1	<p><b>Implement the Puget Sound federal agency action plan.</b> Federal agencies with authorities in Puget Sound will work to implement and account for actions listed in the federal agency action plan and matrix to protect and restore habitat and respond to the concerns raised by treaty tribes in western Washington. <u>Work with the Puget Sound Federal Caucus to advance Puget Sound recovery. Federal agencies with authorities in Puget Sound will work in coordination to address key barriers to recovery. For example, federal agencies will work together to address fish passage barriers, shoreline armoring regulation, and floodplain and riparian habitat restoration. These actions will contribute to advancement of the Action Agenda and respond to the concerns raised by treaty tribes in western Washington.</u></p>	<ul style="list-style-type: none"> <li>By December 2012, EPA will work with Puget Sound Federal Caucus agencies to identify priority activities from the federal action plan and matrix which can be achieved in the near term and develop a tool for tracking and reporting on the progress of these actions. Work will also continue on all activities identified in the matrix. EPA will develop progress reports on an annual basis summarizing the Puget Sound Federal Caucus agencies' work on these topics and submit them to regional federal leadership for review and comment. At a minimum the reports will summarize actions on the three key issues mentioned in this near-term action (fish passage barriers, shoreline armoring regulation, and floodplain and riparian habitat restoration). Progress in addressing these three issues will be reported to PSP for inclusion in the State of the Sound report.</li> </ul>	Soundwide	EPA
A	6.2 Implement the high priority salmon recovery actions identified in other parts of the Action	2 <sup>25</sup>	Develop a State Authorities Matrix. PSP will lead a collaborative process with State Agencies to develop an authorities matrix in response to the Tribal Treaty Rights at Risk	<ul style="list-style-type: none"> <li>PSP will complete the matrix by March 2013.</li> </ul>	soundwide	PSP

<sup>25</sup> Approach to this action was restructured and has been enveloped in the Salmon Recovery Council regulatory exemption work. See A1.3.1.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	Agenda and the Biennial Science Work Plan.		paper.				
A	6.3 Implement harvest, hatchery, and adaptive management elements of salmon recovery.	1	<b>Implementation of hatchery actions.</b> WDFW and the tribes, in coordination with NMFS, will advance implementation of hatchery actions by completing and approving hatchery genetic management plans.	<ul style="list-style-type: none"> <li>• <u>Co-managers will complete balance of the hatchery genetic management plans.</u></li> <li>• <u>NMFS issues permits. By August 2012, co-managers (Tribes and WDFW) complete Hatchery Genetic Management plans (HGMPs) for at least the first ten key Puget Sound hatchery programs and submit them to NOAA Fisheries; By April 2013, NOAA Fisheries issues permits for at least the first ten key HGMPs; By December 2012, Co-managers complete and submit the balance of the HGMPs to NOAA Fisheries; By December 2013, NOAA issues hatchery permits for updated Hatchery Genetic Management Plans</u></li> </ul>	Soundwide	WDFW and Tribes as co-managers	Tribes
A	6.3 Implement harvest, hatchery, and adaptive management elements of salmon recovery.	2	<b>Salmon recovery monitoring and adaptive management plans.</b> PSP, in coordination with the Puget Sound Recovery Council and the Puget Sound Regional Implementation Technical Team, will facilitate and support salmon recovery watershed groups to complete and implement monitoring and adaptive management plans for each Puget Sound Salmon Recovery watershed chapters. This is a condition of the approved Chinook Recovery Plan to improve the quality and success of plan implementation.	<ul style="list-style-type: none"> <li>• <u>By June 2014, frameworks for the 16 watershed chapters of the Puget Sound Chinook Recovery Plan will be completed. These frameworks will include translations of the existing chapters and any subsequent work to update the plans that was approved by their local policy body. They will also identify significant gaps in their current plans that needs to be addressed before developing a monitoring and adaptive management plan.</u>By December 2012, three monitoring adaptive</li> </ul>	Soundwide	PSP	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
[Redacted]	[Redacted]	[Redacted]	<p>management plans completed. With two months of completing each plan, implementation performance measures will be identified.</p> <ul style="list-style-type: none"> <li>By December 2015, the 16 watershed chapter frameworks will have gaps filled in for quantitative goals for salmon populations and priority habitat components, connecting strategies and actions to pressures and ecosystem goals, and pressures will be prioritized in a manner consistent with the Soundwide pressure assessment.</li> </ul>			
			<p>By December 2013, five more monitoring adaptive management plans completed. Within two months of completing each plan, implementation performance measures will be identified.</p> <ul style="list-style-type: none"> <li>By December 2016, monitoring priorities for status and trends, effectiveness and implementation will be identified for each of the 16 watershed chapters using the frameworks they completed and plans for how the results of the monitoring will inform adaptive management decisions will be in place.</li> </ul> <p>By July 2014, six more monitoring adaptive management plans completed. With two months of completing each plan, implementation performance</p>			

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
A	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>	measures will be identified.	Local	Olympic National Park	LEKT, NOAA, USFWS, USGS, WDFW, BOR, North Olympic Lead Entity for Salmon
	6.4	Protect and recover steelhead and other imperiled salmonid species.	1 <sup>26</sup>	Steelhead Population Identify Report and Viability Criteria. By July 2012, NOAA via the Puget Sound Steelhead Technical Recovery Team will finalize a population identification report and viability criteria for steelhead	<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 spawn abundance November through beginning of January.</li> <li>Monitor adult pink spawn abundance.</li> <li>Abundance (natural-origin adult spawning escapement): 1,028 for Chinook and 500 for Steelhead.</li> <li>Productivity (# juveniles / female): 200 for Chinook and 75 for Steelhead</li> </ul>	soundwide	NOAA	

<sup>26</sup> Completed.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
A	6.4	Protect and recover steelhead and other imperiled salmonid species.	2	<p><del>populations within the Puget Sound Steelhead Distinct Population Segment.</del></p> <p><b>Steelhead recovery plan.</b> Assist NMFS in establishing a process for developing a Puget Sound steelhead recovery plan. PSP will assist and facilitate the Puget Sound Salmon Recovery Council in the initial steps needed in order to submit a draft Puget Sound steelhead recovery plan to NMFS for federal review. <del>These plans</del>The planning process will be inclusive and integrated and will look at various implementation actions to achieve recovery, including actions like the designation of Wild Steelhead Management Zones where consistent with the objectives identified in the watershed specific recovery plans. WDFW and the tribes, by agreement of the co-managers, will work to establish three streams (one in each Technical Recovery Team identified Major Population Group) where no juvenile hatchery steelhead would be released, no recreational fisheries for steelhead would occur, -and habitat protection and restoration actions would be accelerated. This early steelhead recovery action would consider information already compiled for the steelhead recovery plan that is under development.</p>	<ul style="list-style-type: none"> <li>By July 2015, work with NOAA's Steelhead Recovery Team and other partners to develop a template for watershed-scale recovery plan chapters. <del>By October 2012, PSP to convene meetings to identify steelhead recovery plan lead, plan costs and funding.</del></li> <li>By July 2015, identify and secure funding to support watersheds in populating the recovery plan chapter template.</li> <li>By December 2012, request for proposal out to draft chapters for populations</li> <li>By September 2016, assist NOAA's Steelhead Recovery Team in preparing a draft recovery plan for the Puget Sound steelhead distinct population segment.</li> <li>By July 2013 chapters for 2-5 populations.</li> <li>By July 2014, remaining chapters drafted. By December 2014, plan submitted to</li> </ul>	Soundwide	PSP	SRCNOAA
	6.4	Protect and recover steelhead and other imperiled salmonid species.	<del>WS</del> WC11 <sup>27</sup>	<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>Local chapter developed by July 2013, budget and implementation strategy for local chapter by December 2013. <del>By July 2015, local chapter developed.</del></li> </ul>	Local	West Sound Watersheds Council	

<sup>27</sup> Updated. All West Central actions recoded with "WC."

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
			<ul style="list-style-type: none"> <li>By December 2015, budget and implementation strategy for local chapter.</li> </ul>					
A	6.5	Maintain and enhance the community infrastructure that supports salmon recovery.	1	<p><b>Lead entity and partner funding strategy.</b> PSP, in collaboration with the Salmon Recovery Council, <u>the Governor's Salmon Recovery Office in the Recreation and Conservation Office</u> and <u>RCO WDFW</u>, will identify a funding strategy and approach to support salmon recovery lead entities and the associated partner programs essential to implementing the salmon and steelhead recovery.</p>	<ul style="list-style-type: none"> <li><del>Milestone 1:</del> By December 2013, strategy and approach completed.</li> </ul>	Soundwide	PSP	
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	1	<p><b>Set instream flows in priority watersheds.</b> Ecology, with support from WDFW, will by 2020 set flow rules in the remaining priority Puget Sound watersheds that currently do not have instream flow rules:</p> <p><del>1) Dungeness River portion of WRIA 18 (currently in progress — to be completed by 2013).</del></p> <p>1) WRIA 16.</p> <p>2) The western portion of WRIA 17 (Sequim Bay watershed).</p> <p>3) The western portion of WRIA 18 (Elwha-Morse watershed planning area).</p> <p>Priority will be given to critical basins or those with known significant problems meeting instream or out-of-stream demands. Note that including the Elwha River in an instream flow rule may be delayed because of the need to develop a method to determine and set instream flows in the Elwha after dam removal and river stabilization.</p>	<ul style="list-style-type: none"> <li>Done or not.</li> </ul>	Soundwide	Ecology	WDFW
A	7.1	Update Puget Sound instream flow rules to encourage conservation.	2	<p><b>PEP development and implementation.</b> Ecology will develop and implement the comprehensive basin flow protection and enhancement programs called for in the recovery plans for Puget Sound Chinook and</p>	<ul style="list-style-type: none"> <li><del>Done or not.</del> By 2015, Ecology will identify near-term flow recovery targets and initiate a protection and enhancement program for a high priority</li> </ul>	Soundwide	Ecology	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		Hood Canal/Strait of Juan de Fuca Summer Chum. <del>By 2014, Ecology will identify near-term flow recovery targets and initiate a protection and enhancement program for a high priority watershed.</del>	<u>watershed.</u>			
A	7.1 Update Puget Sound instream flow rules to encourage conservation.	3 <b>Water code compliance and enforcement.</b> Ecology will establish a strong program for Puget Sound watersheds to increase water code compliance and enforcement. This program will include the creation of Ecology “compliance officer” staff positions. These positions would be similar to “water masters” used in other parts of the state, but also different because of the absence of adjudication and increased focus on mitigation strategies. <del>By 2013, Ecology will develop a program plan to meet this goal. This plan will include identifying funding sources, a schedule, duties, and geographic jurisdiction for compliance officers, who will be local contacts to water users, provide a local compliance presence, protect the resource, support mitigation, reduce water use, and protect senior water rights, including instream flows.</del>	<del>Done or not.</del> <b>By 2015, Ecology will develop a program plan to meet this goal. This plan will include identifying funding sources, a schedule, duties, and geographic jurisdiction for compliance officers, who will be local contacts to water users, provide a local compliance presence, protect the resource, support mitigation, reduce water use, and protect senior water rights, including instream flows.</b>	Soundwide	Ecology	
A	7.1 Update Puget Sound instream flow rules to encourage conservation.	STRT-6 <sup>28</sup> Strait Instream Flow Rules. Adopt and/or implement Instream Flow Rules for Water Resource Inventory Areas (WRIAs) 17, 18 East, 18 West, and 19 a. Adopt and implement Dungeness Instream Flow and Water Management Rule b. WRIA 18 East stream flow improvements c. Implement WRIA 17 Instream Flow and Water Management Rule d. Adopt Instream Flow Rules for WRIA 18 West e. Adopt Instream Flow Rules for WRIA 19	<ul style="list-style-type: none"><li>Initiate or complete 66% of the Priority Actions identified by the Strait-ERN for the Strait Action Area</li></ul>	local	Ecology	
A	7.1 Update Puget Sound instream flow rules to	STRT36 <b>Develop, adopt, and implement the water resources management program rules for</b>	<ul style="list-style-type: none"><li>Through February 2016, 100% of mitigation certificates</li></ul>	Local	Ecology	Clallam County DCD;

<sup>28</sup> Split into multiple, individual project-based actions.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>encourage conservation.</u>		<u>Elwha-Dungeness WRIA 18.</u> This action includes implementing the adopted rule that applies to eastern WRIA 18, the Dungeness watershed, from Bell Creek on Sequim Bay to the Bagley Creek sub-basin (WAC 173-518). <u>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>issued relative to applications received by Clallam County (and beyond) within the Dungeness watershed.</u>			<u>Jamestown S'Klallam Tribe; Lower 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>	Local	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>	Local	Ecology	<u>Lower Elwha Klallam Tribe; Makah Tribe; Clallam County DCD</u>
<b>A</b>	7.2 Decrease the amount of water withdrawn or diverted and per capita water use.		No near-term actions. Work is focused on implementation of ongoing programs.				
<b>A</b>	7.3 Implement effective management programs for groundwater.	1	<b>Exempt wells.</b> Ecology will work with Tribal Nations, local governments, and other partners to develop and support a consistent approach to making decisions about exempt wells, and to ensure that both the physical and legal availability of water is considered in decisions. This will include workshops on exempt well issues to be completed by <del>2013</del> 2015.	<ul style="list-style-type: none"> <li>Done or not.</li> </ul>	Soundwide	Ecology	
<b>A</b>	7.3 <u>Implement effective</u>	<u>SNST16</u>	<b>Groundwater study. Identify the costs and</b>	<ul style="list-style-type: none"> <li>By December 2015, identify</li> </ul>	Local	<u>Snohomish</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>management programs for groundwater.</u>	<u>potential funding sources for conducting an impairment analysis for groundwater resources in the Stillaguamish and/or Snohomish River basins.</u>	<u>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.</u>		County	
<b>B</b>	<b>1</b>	<b>Focus development away from ecologically important and sensitive nearshore areas and estuaries</b>				
B	1.1	Use complete, accurate, and recent information in shoreline planning and decision making at the site-specific and regional levels.	1 <sup>29</sup> Integrated Nearshore Priorities. PSP will lead the integration of existing science-based, geographic priorities for nearshore protection, restoration, enhancement and managed growth by July 2014. This includes identifying areas where local inventories and sediment supply priorities overlap with high-value areas for salmon, shellfish, and other natural resources at the drift-cell scale. The outcome of this effort will be agreed upon maps or other documents showing the science-based priorities for protection, restoration, enhancement, and managed growth at a drift cell (or below) scale, as well as outreach to implementers to consider this information as part of prioritization efforts including capital projects.	By December 2012, PSP will convene an interagency workgroup and complete scoping for the technical work of integration; Data integration work complete by August 2013 and quality control checks and revisions by December 2013. The integrated product, including data and maps, are presented to all salmon recovery watersheds, LIOs and local governments by June 2014.	soundwide	PSP
B	1.1	Use complete, accurate, and recent information in shoreline planning and decision making at the site-specific and regional levels.	2 <b>Human use patterns in marine areas.</b> Ecology will identify human use patterns for marine areas in Puget Sound, to support marine spatial planning.	● By June 30, <del>2013</del> 2015, complete human-use mapping.	Soundwide	Ecology
B	1.1	Use complete, accurate, and recent information in shoreline planning and decision making at the site-specific and regional	WS WC3 <sup>30</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 and	● <u>To be determined By June 2014, secure funds for eelgrass monitoring.</u> ● <u>By June 2015, update eelgrass maps.</u>	Local	West Sound Watersheds Council Suquamish Tribe Suquamish Tribe Suquamish Council

<sup>29</sup> Completed.

<sup>30</sup> Updated. All West Central actions recoded using "WC."

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	levels.		forage fish spawning habitat under a scientifically rigorous methodology, and update spawning habitat maps.	<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>			
B	1.1 <u>Use complete, accurate, and recent information in shoreline planning and decision making at the site-specific and regional levels.</u>	ISL3	<p><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></p> <p><u>Island County will develop standard operating procedures for updating data and consistency in its data storage network to ensure usage consistency and relevant data.</u></p>	<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>	Local	Island County Department of Natural Resources	
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.	1	<p><b>Update local shoreline master programs.</b></p> <p>Ecology will provide funding and, with WDFW, technical assistance to local jurisdictions to update local shoreline master programs by current deadlines, with all updates complete by 2014. A key deliverable for Ecology and local governments is to implement shoreline master programs in a</p>	<ul style="list-style-type: none"> <li>By December 2016, 90% of Puget Sound Shoreline Master Program completed. <del>To be determined</del></li> </ul>	Soundwide	Ecology	WDFW

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			manner that validates achievement of no net loss of ecological function and guides Puget Sound toward shoreline armoring target.			
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.	STRT 4 <sup>31</sup> Straits Shoreline Master Programs. Shoreline Master Program Updates, Implementation, and Intergovernmental Coordination (Jefferson County, 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	<ul style="list-style-type: none"> <li>Recommended Option: Develop the economic baseline (Ecosystem 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</li> </ul>	local	Strait ERN	
B	1.2 Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate	WS WC2 <sup>32</sup> <b>West Sound SMP Shoreline Master Program update alternatives to shoreline armoring.</b> During the Shoreline Master Program (SMP) update process for all North Central / West Sound/West Central jurisdictions in 2012-13, the West Sound Watersheds Council will ensure that restoration plans for every SMP	<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>	Local	West Sound Watersheds Council	

<sup>31</sup> Split into multiple, updated actions.

<sup>32</sup> Near-term action updated. All West Central near-term actions recoded with "WC."

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	change forecasts.	Shoreline Master Program include alternatives to traditional shoreline armoring, and incentives for the removal of existing armoring.				
<u>B</u>	<u>1.2</u> <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>	<u>ISL1</u> <b><u>Develop an implementation strategy for Shoreline Master Program compliance.</u></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 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.	<ul style="list-style-type: none"> <li>● <u>By January 2014, obtain funding for Shoreline Master Program implementation program.</u></li> <li>● <u>By April 2014, develop baseline shoreline health report with trend analysis (no net loss measure) (e.g., percent change shoreline armoring, change in vegetation in Island County).</u></li> <li>● <u>By July 2014, develop a Shoreline Master Program implementation strategy.</u></li> <li>● <u>By March 2015, develop and implement a Shoreline Master Program training program (target: 100 residents to attend per quarter).</u></li> </ul>	<u>Local</u>	<u>Island County Planning and Community Development</u>	
<u>B</u>	<u>1.2</u> <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>	<u>SC4</u> <b><u>Improve shorelines in the South Central Puget Sound Action Area by limiting new residential shoreline armoring and overwater coverage, and promoting “green” shoreline replacements.</u></b> <ul style="list-style-type: none"> <li>● <u>Encourage programs and projects that implement and promote incentives and best practices identified in local Shoreline Master Program studies.</u></li> <li>● <u>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).</u></li> <li>● <u>Work to promote existing and new incentive programs.</u></li> <li>● <u>Use South Central Caucus Group (LIO) as a</u></li> </ul>	<ul style="list-style-type: none"> <li>● <u>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.</u></li> <li>● <u>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.</u></li> <li>● <u>By second quarter 2015, King Conservation District assists 20 landowners in implementing shoreline protection, restoration, and</u></li> </ul>	<u>Local</u>	<u>LIO</u>	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<p><u>forum for sharing best practices and model shoreline master program.</u></p> <ul style="list-style-type: none"> <li>● <u>Compile incentive information and provide to local governments.</u></li> <li>● <u>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.</u></li> <li>● <u>Seek funding to engage streamside/riparian, lakeshore, and nearshore area property owners and to increase assistance to shoreline landowners who are willing to implement aquatic area protection and enhancement practices.</u></li> <li>● <u>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.</u></li> <li>● <u>Support ECO Net endorsed education and outreach efforts for this action.</u></li> </ul>	<p><u>enhancement practices.</u></p> <ul style="list-style-type: none"> <li>● <u>In 2015, explore options for using existing funding mechanisms to assist landowners who are willing to implement aquatic area enhancement protection and enhancement practices.</u></li> </ul>				
<u>B</u>	<u>1.2</u>	<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>	<u>STRT15</u>	<p><b><u>Implement the City of Port Townsend's Shoreline Master Program through public education and incentive programs.</u></b></p> <p><u>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</u></p>	<ul style="list-style-type: none"> <li>● <u>By 2016, hold four public educational events.</u></li> <li>● <u>By 2015, complete one “shovel-ready” plan for a high-priority stormwater management project.</u></li> </ul>	<u>Local</u>	<u>Jefferson County Marine Resources Committee</u>	<u>Jefferson County Washington State University Extension; City of Port Townsend</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<u>Center, as described in two other Strait Action Area near-term actions.</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.	STRT16 <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>	Local	City of Port Angeles Department of Community and Economic 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.	STRT19 <b>Organize and implement annual Jefferson County restoration planning summits.</b> Organize and implement the first annual Jefferson County Restoration Planning Summit.	<ul style="list-style-type: none"> <li>In early 2014, complete first annual Restoration Planning Summit.</li> </ul>	Local	Jefferson County Marine Resources Committee	Jefferson 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.	STRT20 <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>By December 2016, implement two bulkhead removal or bio-stabilization projects and two riparian enhancement projects along high priority shorelines.</li> <li>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).</li> </ul>	Local	Jefferson County Department of Community Development	
<u>B</u>	<u>1.2</u> Support local governments to adopt and implement plans, regulations, and policies	STRT21 <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	<ul style="list-style-type: none"> <li>By December 2014: <ul style="list-style-type: none"> <li>Identify at least two potential bulkhead removal/ bio-stabilization</li> </ul> </li> </ul>	Local	Jefferson County Department of Community	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	that protect the marine nearshore and estuaries, and incorporate climate change forecasts.	<u>the Jefferson County Shoreline Restoration Plan.</u>	<p>projects on high priority shorelines, apply for funding and initiate steps toward implementation.</p> <ul style="list-style-type: none"> <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> <li>● <u>By December 2018:</u> <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> </li> </ul>		<u>Development</u>	
<u>B</u>	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.	<u>STRT22</u>	<b><u>Develop and adopt the update of the Clallam County Shoreline Master Program.</u></b>	● <u>In 2014, adopt Shoreline Master Program.</u>	<u>Local</u>	<u>Clallam County Department of Community Development</u>
<u>B</u>	1.2 Support local governments to adopt and implement plans, regulations, and policies that protect the marine	<u>STRT23</u>	<b><u>Identify and implement a framework for measuring and tracking no net loss in Clallam and Jefferson Counties. Complete the Enhanced Shoreline Protection project (EPA Watershed Management Assistance</u></b>	● <u>In 2014, adopt the Framework of Indicators and no net loss Project Specific Checklist for Clallam County.</u>	<u>Local</u>	<u>Clallam and Jefferson County Departments of Community</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>nearshore and estuaries, and incorporate climate change forecasts.</u>	<u>Program Grant) for Clallam and Jefferson Counties and evaluate the results to determine next steps for implementation.</u>	<ul style="list-style-type: none"> <li>In 2014, adapt and begin field testing of no net loss Project Specific Checklist in Jefferson County.</li> </ul>		<u>Development</u>	
<u>B</u>	<u>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.</u>	<u>STRT24 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> 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>By 2016, complete Ecosystem Services Valuation within Clallam and Jefferson Counties.</li> </ul>	<u>Local</u>	<u>Clallam and Jefferson County Departments of Community Development</u>	<u>Cities of Port Angeles, Sequim, and Port Townsend</u>
<u>B</u>	<u>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.</u>	<u>STRT25 Identify implementation priorities for the adopted update of the Clallam county Shoreline Master Program.</u> 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.	<ul style="list-style-type: none"> <li>By 2015, list priority actions.</li> </ul>	<u>Local</u>	<u>Clallam County Department of Community Development</u>	
<u>B</u>	<u>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.</u>	<u>STRT26 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.</u> 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>	<u>Local</u>	<u>Clallam County Department of Community Development</u>	
<u>B</u>	<u>1.1 Identify and prioritize areas for protection, restoration, and best</u>	<u>SNST14 Port Susan Marine Stewardship Area conservation.</u> Establish Port Susan as a Marine Stewardship Area and implement the	<ul style="list-style-type: none"> <li>In 2014, achieve formal adoption by the Snohomish County Council.</li> </ul>	<u>Local</u>	<u>Snohomish County Marine Resources</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>suitable for Low Impact Development.</u>	<u>conservation action plan.</u>	<ul style="list-style-type: none"> <li>• <u>By 2016, work to prevent 100% of future shoreline armoring in Port Susan.</u></li> <li>• <u>During 2014–2016, work to implement the high priority action steps in the Port Susan Conservation Action Plan.</u></li> </ul>		<u>Committee</u>	
B	1.3 Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries.	1 <b>HPA capacity effectiveness.</b> <del>By December 2012, WDFW will use the results of a LEAN analysis to apply existing and new HPA capacity to more effectively protect fish life.</del> <u>Improve Hydraulic Project Approval Compliance and Effectiveness for water crossing structures and marine shoreline armoring</u>	<ul style="list-style-type: none"> <li>• <del>Complete LEAN process and begin to implement recommendations by December 2012.</del></li> <li>• <u>-By 2016, secure funding to adequately staff Hydraulic Project Approval Compliance and Effectiveness Monitoring Program.</u></li> <li>• <u>By 2016, add saltwater overwater structures and freshwater bank protection to the Hydraulic Project Approval Compliance and Effectiveness Monitoring Program.</u></li> </ul>	Soundwide	WDFW	
B	1.3 Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries.	2 <b>Hydraulic code rules revision.</b> WDFW will use best available science to revise Hydraulic Code Rules (220-110 WAC) and clarify conditions under which hydraulic projects must be conducted to prevent or mitigate the impacts to fish life and habitat.	<ul style="list-style-type: none"> <li>• By December 2014, complete rulemaking.</li> </ul>	Soundwide	WDFW	
B	1.3 Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems	SJI-7 <sup>33</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	<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</li> </ul>	local	SJC	

<sup>33</sup> Near-term action updated.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	and estuaries.		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.	techniques by 2014			
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>34</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>	local	SJC	
B	1.3 <u>Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries.</u>	SJI9	<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</li> </ul>	Local	LIO (reporter)	Green Shores for Homes, Friends of the San Juans, SJC CDPD, Town of Friday Harbor

<sup>34</sup>Near-term action updated, see B1.3 SJI9.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
				<p>salmon recovery regions.</p> <ul style="list-style-type: none"> <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 project development.</li> </ul>			
<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.	ISL2	<b>Develop technical guidance document and trainings for residents on new Shoreline Master Program guidelines.</b>	<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>	Local	Island County Planning and Community Development
<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.	STRT18	<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.  (Note: This action has a double benefit in that it is also a part of C2.5 STRT31.)	<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>	Local	Jefferson County Department of Community Development
<b>B</b>	<b>2</b>	<b>Protect and restore nearshore and estuary ecosystems</b>					
<b>B</b>	2.1	Permanently protect	1	<b>Protect 10% of bluff-backed beaches.</b> PSP	<ul style="list-style-type: none"> <li>Milestone 1: By September</li> </ul>	Soundwide	PSP

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	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.	will promote acquisitions, easements, or other protective covenants to permanently protect at least 10% of bluff-backed beaches with high sediment supply or other priority nearshore habitats facing potential shoreline development pressure.	<p>2012, identify location of bluff backed beaches with high sediment supply and development pressure or other priority nearshore habitats facing development pressures.</p> <ul style="list-style-type: none"> <li>• Milestone 2: By December 2012, convey the location information to salmon recovery watershed groups and LIOs for consideration.</li> <li>• Milestone 3: By December 2012, convene at least one meeting with each Action Area (LIO) with bluff backed beaches.</li> <li>• Milestone 4: By May of 2013, identify candidate locations and local projects, and incorporate into salmon recovery 3-year work plans if appropriate for each area.</li> <li>• By March-September 2014, determine which Capital projects were awarded. award Capital projects.</li> <li>• By June-December 31, 2014, local jurisdictions will enact regulatory protections any new regulatory protections are in place.</li> <li>• By August-2014 June 30, 2015, 10 % of the bluff-backed beaches with high sediment supply or priority nearshore habitats facing development pressure are protected.</li> </ul>			
B	2.1 Permanently protect priority nearshore physical and ecological processes and habitat, including	2	<b>Community use dock incentives.</b> For state-owned aquatic lands, DNR, in consultation with WDFW and Ecology, will identify potential permit, economic, and social	Soundwide	DNR	WDFW, Ecology

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	shorelines, migratory corridors, and vegetation particularly in sensitive areas such as eelgrass beds and bluff backed beaches.	incentives for encouraging community use docks as an alternative to single family docks by July 2013.				
B	2.1 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.	3 <b>Overwater structures design guidance.</b> DNR, in consultation with the Aquatic Habitat Guidelines Interagency Group, will publish design guidance on construction, repair and rebuilding of overwater structures to increase light by 2013.	• <del>done or not.</del> By December 31, 2014, publish guidance on construction, repair, and rebuilding of overwater structures.	Soundwide	DNR	
B	2.1 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.	SJI 10 <sup>35</sup> 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.	• 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 sellers/owners by 2014.	local	SJC Lead Entity for Salmon Recovery	
B	2.1 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.	SS8 <b>Johns Creek (Bayshore) Estuary restoration.</b> Restore John's Creek (Bayshore) Estuary, a Puget Sound Nearshore Estuarine Restoration Program project.	• 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.	Local	Squaxin Island Tribe	
B	2.1 Permanently protect priority nearshore physical	SS18 <b>McNeil Island long-term conservation and low-impact public access.</b> Track state efforts	• By June 2015, determine current status of McNeil	Local	Pierce County	Nisqually Tribe

<sup>35</sup> Near-term action updated, see A6.1 SJI10.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>and ecological processes and habitat, including shorelines, migratory corridors, and vegetation particularly in sensitive areas such as eelgrass beds and bluff backed beaches.</u>	<u>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>	<u>Island ownership and management.</u> ● <u>Semi-annual updates to Alliance for a Healthy South Sound (LIO) Council and Executive Committee from staff and/or invited guests.</u>			
B	2.2 Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.	1 <b>Implementation of projects identified by Puget Sound Nearshore Estuarine Restoration Program.</b> WDFW and the Corps will advance implementation of projects identified by Puget Sound Nearshore Ecosystem Restoration Project, including those described in the Strategic Restoration Conceptual Engineering Final Design Report. Implementation will occur both through Corps programs as anticipated through the General Investigation process, and through other non-Corps federal, state, tribal and local programs.	● Number of projects funded; number implemented; amount of various nearshore habitats restored. ● <del>By August 31, 2012, complete Final Feasibility Report for the Puget Sound Nearshore Estuarine Restoration Program General Investigation and begin advancing projects for construction authorization through the Corps process.</del>	Soundwide	WDFW	Corps
B	2.2 Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.	2 <b>Washington State Parks nearshore restoration.</b> <del>State Parks</del> <u>Washington State Parks</u> will identify opportunities to provide nearshore restoration. Based on this assessment, <del>State Parks</del> <u>Washington State Parks</u> will refine its performance measures for this action including setting semi-annual estimates of the numbers of projects <del>or linear feet</del> to be restored. <del>State Parks</del> <u>Washington State Parks</u> will restore nearshore habitat identified, including removal of hard armoring at state parks.	● <del>Milestone 1: By December 2012, identify opportunities.</del> ● <del>Milestone 2: By March 2013, identify numbers of projects or linear feet target; Progress up to five projects forward within the next 2 to 4 years.</del> ● <del>Milestone 3: By December 2015, complete at least two projects.</del>	Soundwide	<u>Parks</u> <u>Washington State Parks</u>	
B	2.2 Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.	3 <b>Prioritizing restoration on state-owned aquatic lands.</b> DNR will develop a strategy to prioritize restoration projects on state-owned aquatic lands including those within protected landscapes such as Aquatic Reserves to ensure maximum long-term benefit from habitat restoration.	● <del>Milestone 1: By 2014, develop</del> DNR restoration project prioritization criteria. ● <del>Milestone 2: By 2014</del> <u>2015, list develop and begin to implement list</u> of near and long-term projects.	Soundwide	DNR	
B	2.2 Implement prioritized	4 <b>Creosote piling inventory and removal.</b> DNR	● <del>By 2013, complete inventory</del>	Soundwide	DNR	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	nearshore and estuary restoration projects and accelerate projects on public lands.	will complete a derelict creosote piling inventory of Puget Sound. DNR has removed 10,000 pilings since 2007 and will remove an additional 3,000 pilings by 2017, prioritizing removals near important herring spawning beds.	<del>(done or not).</del> <ul style="list-style-type: none"> <li>By 2017, remove 3,000 pilings (done or not).</li> </ul>			
<u>B</u>	<u>2.2</u> <u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u>	<u>WH7</u> <u><b>Waterfront and estuary habitat connectivity projects.</b> 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 applications.</u></li> <li><u>By December 2015, complete construction.</u></li> <li><u>By January 2016, complete planting.</u></li> </ul> </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> </ul>	<u>Local</u>	<u>City of Bellingham</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <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> <u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u>	<u>SS9</u> <u><b>Deschutes River estuary restoration.</b> Remove the 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>	<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 quarterly public meetings.</u></li> <li>● <u>By June 2015, outline state legislative strategy.</u></li> <li>● <u>By June 2016, complete strategy.</u></li> </ul>	<u>Local</u>	<u>Squaxin Island Tribe</u>	
<u>B</u>	<u>2.2</u> <u>Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.</u>	<u>SS10</u> <u><b>Sequalitchew Creek restoration.</b> Restore Sequalitchew Creek, a Puget Sound Nearshore Estuarine Restoration Program project.</u>	<ul style="list-style-type: none"> <li>● <u>By June 2015, develop funding strategy.</u></li> <li>● <u>Meet quarterly with landowners to further develop the recommended restoration action plans.</u></li> <li>● <u>Continue discussions to update appropriate City of DuPont critical areas ordinances to allow for</u></li> </ul>	<u>Local</u>	<u>South Puget Sound Salmon Enhancement Group</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>restoration actions to occur within the city.</li> <li>Plan and implement appropriate watershed monitoring activities and involve local citizens.</li> </ul>			
<u>B</u>	<u>2.2</u> Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.	<u>SS11</u> <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>	Local	<u>WRIA 10/12</u> <u>Lead Entity</u>	
<u>B</u>	<u>2.2</u> Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.	<u>WC19</u> <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>	Local	<u>LIO (reporter)</u>	<u>WDFW</u>
<u>B</u>	<u>2.2</u> Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands.	<u>WC20</u> <b>Waterfront Park bulkhead removal and conveyance retrofit.</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	<ul style="list-style-type: none"> <li>By June 2014, secure funds for stormwater conveyance system retrofits.</li> <li>By June 2016, complete bulkhead removal, beach nourishment, and stormwater conveyance system retrofit.</li> </ul>	Local	<u>City of Bainbridge Island</u>	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
B	2.3	Remove armoring, and use soft armoring replacement or landward setbacks when armoring fails, needs repair, is non protective, and during redevelopment.	1 <sup>36</sup>	Homeowner Incentives for Landward Setbacks. Building on work done to date, PSP will convene a process with partners to develop and recommend incentives that help homeowners permanently remove armoring and encourage setback of houses by June 2014. Incentives could include, but would not be limited to financial, regulatory, low interest loans or grants. This work will help restore nearshore processes, promote landward retreat of homes facing sea level rise, and promote progress toward shoreline armoring target.	<ul style="list-style-type: none"> <li>By December 2012, identify the group and complete the scoping process including holding at least two meetings with partners; By June 2013, complete technical steps including identifying where to target the program for highest ecological value; By December 2013, identify draft possible incentive options for discussions; By June 2014, present options and recommendations to ECB and Leadership Council including miles of bulkheads that could be replaced with soft armoring or setbacks and a homeowner outreach plan.</li> </ul>	soundwide	PSP
B	2.3	Remove armoring, and use soft armoring replacement or landward setbacks when armoring fails, needs repair, is non protective, and during redevelopment.	SJI11	<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>Ecosystem outcome goal: No new hard armoring in 2015 and 2016.</li> <li>In 2015, engage 24 shoreline landowners, 16 contractors, and 30 realtors.</li> <li>Conduct separate annual workshops for contractors and realtors/shoreline landowners.</li> <li>Between 2014 and 2016, conduct 12 advisory visits to shoreline landowners.</li> <li>Develop maps, checklists, or other usable information materials specifically tailored to conditions in the San Juan Islands.</li> </ul>	local	Green Shores for Homes SJC CDPD, Friends of the San Juans

<sup>36</sup> Near-term action completed; subsequent efforts incorporated at a program level.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>• Continue updating website; reach 50 views per month.</li> <li>• Develop website-based catalogue of examples.</li> <li>• Annual tour of “best alternatives” sites.</li> </ul>			
<u>B</u>	2.3 Remove armoring, and use soft armoring replacement or landward setbacks when armoring fails, needs repair, is non protective, and during redevelopment.	ISL4 <b>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.</b> This effort 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.	<ul style="list-style-type: none"> <li>• By December 2013, secure funding for armor avoidance and alternatives to hard shore armoring program.</li> <li>• By February 2014, establish an updated baseline map of shore armor in Island County using historical data.</li> <li>• 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.</li> <li>• By March 2014, develop shore protection landowner training program.</li> <li>• 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.</li> </ul>	Local	Island County Planning and Community Development	
<u>B</u>	2.3 Remove armoring, and use soft armoring replacement or landward setbacks when armoring	ISL5 <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	<ul style="list-style-type: none"> <li>• By December 2013, secure funding for soft shore protection technical assistance and removal</li> </ul>	Local	Island County Department of Natural	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
	<u>fails, needs repair, is non protective, and during redevelopment.</u>		<u>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>	<u>program (vouchers for removing bulkheads) (target: five properties to receive technical assistance per quarter).</u> <ul style="list-style-type: none"> <li>By December 2013, secure funding for forage fish spawning surveys to establish baseline data and effectiveness monitoring to validate decision for removing armoring. Monitoring to begin spring 2014.</li> <li>By January 2016, total amount of armor removed is greater than new armor installed (not including armor replacement).</li> </ul>		<u>Resources</u>		
B	2.4	Implement a coordinated strategy to achieve the 2020 eelgrass recovery target.	1	<b>Eelgrass recovery target strategy.</b> DNR, working in collaboration with PSP, will convene partners in state and local government, Tribes, the federal agencies, British Columbia, and non-governmental and business groups to develop a broad-based strategy to achieve the 2020 eelgrass recovery target and track progress.	<ul style="list-style-type: none"> <li>By September 2014, identify <u>strategy options.</u></li> <li>By December 2014, <u>Strategy developed. Strategy options identified by Dec 2012, Strategy developed by September 2014 (done or not).</u></li> </ul>	Soundwide	DNR	PSP
B	2.4	Implement a coordinated strategy to achieve the 2020 eelgrass recovery target.	2	<b>Identification of eelgrass restoration sites.</b> DNR will identify and recommend sites that are suitable for eelgrass restoration in Puget Sound. Sites will be selected using habitat suitability analysis, hydrodynamic modeling, and eelgrass resilience to local stressors. This will include identification of sites on state-owned aquatic lands with a focus on areas with long-term protections already in place.	<ul style="list-style-type: none"> <li>By July 2014, complete <u>maps defining potential eelgrass restoration sites; site evaluations; final recommendations.</u></li> <li>By July 2014, complete <u>state aquatic land work. Maps defining potential eelgrass restoration sites; site evaluations; final recommendations – completed by May 2014 (done or not); state aquatic land work complete by July 2014 (done or not).</u></li> </ul>	Soundwide	DNR	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
<b>B</b>	<b>3</b>	<b>Protect and restore marine ecosystems</b>					
B	3.1	Protect intact marine ecosystems particularly in sensitive areas and for sensitive species. <sup>37</sup>	Marine Protected Area Effectiveness. By June 2014, PSP, in collaboration with WDFW, and DNR will identify the threats, coverage gaps, and conservation concerns addressed by existing Puget Sound marine protected areas and assess the potential effectiveness of these MPAs to protect threatened species and habitats, including rockfish and forage fish.	<ul style="list-style-type: none"> <li>Produce a written summary of threats and conservation concerns addressed by current MPAs by September 2012; Complete an assessment of effectiveness and coverage gaps by September 2013. PSP delivers recommendations to managing agencies to improve overall coordination and design of MPA network by June 2014.</li> </ul>	soundwide	PSP	WDFW DNR
B	3.1	Protect intact marine ecosystems particularly in sensitive areas and for sensitive species.	<b>Outfall strategy on state-owned aquatic lands.</b> DNR, in collaboration with Tribal Governments, Ecology, WDFW, and DOH, will develop and implement a strategy to reduce impacts from outfalls on state-owned aquatic lands in Puget Sound.	<ul style="list-style-type: none"> <li>By December 2013<del>2014</del>, complete strategy development, including an implementation work plan.</li> </ul>	Soundwide	DNR	Ecology, WDFW, DOH
B	3.2	Implement and maintain priority marine restoration projects.	<b>Legacy net removal.</b> The Northwest Straits Foundation will work with WDFW, <del>DNR</del> tribes, fishers and others to remove approximately 500 known remaining legacy nets in shallow sub-tidal waters. <u>Original milestones (1 through 3) were met; however more nets were found. As a result, an additional milestone was added.</u>	<ul style="list-style-type: none"> <li><del>By December 2012, approximately 250 nets will be removed from waters of Island, San Juan, and Kitsap Counties.</del></li> <li><del>By August, 2013, approximately 170 nets in Whatcom County will be removed.</del></li> <li><del>Milestone 3: By December 2013, remaining nets in Hood Canal and other counties will be removed.</del></li> <li><u>Milestone 4: By June 30, 2015, all shallow water legacy derelict fishing nets will be removed from high priority areas of Puget Sound.</u></li> </ul>	Soundwide	<u>Surfrider Foundation—Northwest Straits Chapter</u>	WDFW, DNR

<sup>37</sup> Completed; follow-on action under development for 2016 Action Agenda.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
B	3.2 Implement and maintain priority marine restoration projects.	2	<b>Deep water net removal.</b> The Northwest Straits Foundation will complete development and at least one pilot implementation of a new methodology for deep-water net removal. To date, approximately <del>130</del> <u>204</u> nets are known to exist in Puget Sound in waters deeper than 105 feet. These nets may be degrading important habitat for listed rockfish species. Pilot removal operations will focus on concentrations of known deepwater nets in documented rockfish habitat in the San Juan Islands.	<ul style="list-style-type: none"> <li>• <del>Milestone 1: By December 2012, identify known deepwater nets for pilot removal operations.</del></li> <li>• <del>Milestone 2: By September 2013, develop up to three possible removal options in partnership with WDFW, DNR, NOAA, tribes, fishers, and others.</del></li> <li>• <del>Milestone 3: By December 2013, pilot chosen removal option on identified nets.</del></li> <li>• <u>By December 2015, implement a pilot removal deep water derelict fishing nets removal project. Pilot project will involve testing ROV removal protocols in shallow and deep water.</u></li> </ul>	Soundwide	Surfrider Foundation— Northwest Straits Chapter
<u>B</u>	<u>3.2 Implement and maintain priority marine restoration projects.</u>	<u>3</u> <sup>38</sup>	<b><u>Derelict fishing net reporting, response and retrieval program.</u></b> The Northwest Straits Foundation will coordinate with WDFW and tribes to maintain a program to encourage reporting of newly lost fishing nets, respond promptly to all reported lost nets, and retrieve lost nets.	<ul style="list-style-type: none"> <li>• <u>Annually, implement Derelict Fishing Net Reporting, Response and Retrieval Program. Gear reporting system will be maintained. In spring and summer, outreach to fishermen will be completed. Response and to reports and retrieval of reported nets will be accomplished during fishing seasons.</u></li> </ul>	Soundwide	Surfrider Foundation— Northwest Straits Chapter
<b>B</b>	<b>4</b>	<b>Protect and steward working waterfronts and improve public access to Puget Sound</b>				
B	4.1 Use, coordinate, expand, and promote financial incentives and programs for best practices at ports and in the marine industry		No near-term actions. Work is focused on implementation of ongoing programs.			

<sup>38</sup> Follow-on from B3.2.1 and B3.2.2.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	that are protective of ecosystem health.					
B	4.2 Increase access to and knowledge of publically owned Puget Sound shorelines and the marine ecosystem.	1	<p><del>State Parks</del><b>Washington State Parks interpretive experiences.</b> Increase passive, active and virtual interpretive experiences on Puget Sound ecology, threats, vital signs, and recovery actions at <del>State Parks</del><b>Washington State Parks</b> and other publically owned lands that provide access to Puget Sound. Maximize opportunities to connect Park visitors with the regional ecosystem recovery effort.</p>	<ul style="list-style-type: none"> <li>● <del>Milestone 1: By December 2012, review existing interpretive plans for Puget Sound interpretive experience opportunities.</del></li> <li>● <del>Milestone 2: By June 2013, identify potential funding sources for implementation of unfunded elements identified through interpretive plan review. Future metrics will depend on acquisition of funding.</del></li> <li>● <u>By December 2014, pull elements from existing interpretative plans that address specific ecosystem services needs for Puget Sound.</u></li> <li>● <u>By December 2015, implement interpretive programs (including signage or other interpretive experiences) at up to two parks.</u></li> <li>● <u>By December 2017, implement interpretive programs at up to two additional parks.</u></li> </ul>	Soundwide	Washington State Parks
B	<b>5 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	5.1 Implement species recovery plans in a coordinated way.	1	<p><b>Develop and implement species plans.</b> Develop (where necessary) and implement actionable plans for imperiled Puget Sound species</p>	<ul style="list-style-type: none"> <li>● Number of actionable plans for imperiled species currently lacking such plans</li> </ul>	Soundwide	WDFW

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
B	5.1	Implement species recovery plans in a coordinated way.	2 <sup>39</sup>	Fish and Wildlife Action Plan. WDFW, in coordination with the US Fish and Wildlife Service and the National Oceanic and Atmospheric Administration, will complete a Fish and Wildlife Action Plan for Puget Sound by June 30, 2013. This action will carry out the agency's Comprehensive Wildlife Conservation Strategy in the Puget Trough, Cascades and Northwest Coast eco regions to integrate terrestrial and aquatic species specific recovery plans, existing management tools, and interagency conservation plans into a unified ecosystem approach to set priorities focused on conserving and restoring critical habitat, improve biodiversity protection and restoration efforts and better coordinate them.	<ul style="list-style-type: none"> <li>• A completed Fish and Wildlife Action Plan for Puget Trough by June 30, 2013</li> </ul>	soundwide	WDFW	USFWSNOAA
B	5.2	Create a more integrated planning approach to protect and enhance biodiversity in the Puget Sound basin.		No near-term actions. Work is focused on implementation of ongoing programs.				
B	5.3	Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.	1	<b>Invasive species baseline assessment.</b> Washington Invasive Species Council, in consultation with WSDA, will expand its baseline assessment to include an additional 15 of the Council's priority invasive species. The assessment provides locations of species, details about management programs, and identifies gaps that exist.	<ul style="list-style-type: none"> <li>• <del>By September 30, 2012, 25% complete.</del></li> <li>• <del>By December 31, 2012, 31% complete.</del></li> <li>• <del>By March 31, 2013, 38% complete.</del></li> <li>• <del>By June 30, 2013, 44% complete.</del></li> <li>• <del>By September 30, 2013, 44% complete.</del></li> <li>• <del>By December 31, 2013, 56% complete.</del></li> <li>• <del>By March 31, 2014, 69% complete.</del></li> <li>• By June 30, 2014, 78% complete.</li> </ul>	Soundwide	Washington Invasive Species Council	WSDA

<sup>39</sup> Near-term action no longer reflects species planning within WDFW.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
				<ul style="list-style-type: none"> <li>By September 30, 2014, 88% complete.</li> <li>By December 31, 2014, 100% complete.</li> </ul>				
B	5.3	Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.	2	<b>Invasive species early detection and monitoring.</b> Washington Invasive Species Council, in consultation with WSDA, will develop an early detection and monitoring program plan for priority invasive species in Puget Sound. The Council will coordinate the plan and implementation efforts with the Puget Sound Coordinated Ecosystem Monitoring Program.	<ul style="list-style-type: none"> <li>Plans will be developed for five species.</li> <li>By March 2013, secure funding.</li> <li>By June 2013, issue request for proposal and hire contractor.</li> <li>By December 2013, identify existing invasive species monitoring efforts and protocols used in Puget Sound.</li> <li>By June 2013, develop conceptual monitoring plan that identifies targeted species and locations, and estimated costs to implement.</li> <li>By October 2014, seek funding opportunities to implement monitoring plan.</li> </ul>	Soundwide	Washington Invasive Species Council	WSDA
B	5.3	Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.	3	<b>Managing invasive species on/in boats and ships.</b> <u>Prepare implementable recommendations for managing invasive species transported in the hulls of commercial watercraft by developing a 5-year (2015–2020) state ballast water management plan.</u> <del>DFW will prepare implementable recommendations for managing invasive species transported on and in the hulls of recreational watercraft and commercial ships.</del>	<ul style="list-style-type: none"> <li><u>Complete recommendations for managing invasive species on the hulls of recreational watercraft and commercial ships.</u></li> <li><u>Prepare implementable recommendations for managing invasive species transported in the hulls of commercial watercraft by developing a 5-year (2015–2020) state ballast water management plan.</u> <del>Complete a management plan with recommendations by June 30, 2015</del></li> </ul>	Soundwide	WDFW	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p><del>Milestones:</del>  <del>Issue request for proposals and select contractor: June 2012, complete assessment of non-indigenous marine species in Puget Sound: December 2012;</del>  <del>Develop/identify standard methods for designating high-risk watercraft in Puget Sound: June 2013; identify BMPs for in-water watercraft cleaning: December 2013;</del>  <del>Identify other non-watercraft biofouling vectors for future research: 6/30/2014; Draft management plan reviewed by stakeholder group and Washington Invasive Species Council: December 2014</del></p>			
B	5.3 Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.	4 <b>Ballast water treatment effectiveness.</b> WDFW will complete an assessment of and make recommendations to improve the effectiveness of open sea exchange and treatment in meeting state ballast water standards.	<ul style="list-style-type: none"> <li>Complete report and make available to resource managers and the public by June 30, 2015. <b>Milestones:</b> <ul style="list-style-type: none"> <li><del>By December 31, 2012, issue sub-award to University of Washington to analyse samples and conduct data analysis.</del></li> <li><del>By June 30, 2013, University of Washington completes analysis of archived samples and identifies research gaps</del></li> <li><del>By December 31, 2013, WDFW collects new samples to fill research gaps.</del></li> <li>By December 31, 2014, draft report reviewed by state Ballast Water Work Group.</li> </ul> </li> </ul>	Soundwide	WDFW	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
B	5.3 Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.	5 <b>Zebra/quagga mussel and New Zealand mud snail plans.</b> WDFW will develop plans to respond to 1) a potential zebra/quagga mussel invasion in the Puget Sound Basin and 2) limit the spread of New Zealand mud snails.	<ul style="list-style-type: none"> <li>By June 30, 2015, complete zebra/quagga mussel invasion management plan.</li> <li>By June 30, 2015, complete plan to limit spread of New Zealand mud snails.</li> <li><del>Milestones:</del> <ul style="list-style-type: none"> <li>By June 30, 2014, assess EPA grant opportunities and/or department legislation request for project funding.</li> <li>By June 30, 2014, secure project funding; and issue contract to prepare management plans.</li> <li>By December 31, 2014, draft management plans reviewed by Puget Sound Science Panel and Washington Invasive Species Council.</li> </ul> </li> </ul>	Soundwide	WDFW	
B	5.3 Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.	6 <sup>40</sup> <b>Invasive species baseline assessment.</b> Washington Invasive Species Council, in consultation with WSDA, will expand its baseline assessment to include the last remaining 20 priority invasive species. The assessment provides locations of species, details about management programs, and identifies gaps that exist.	<ul style="list-style-type: none"> <li>By December 2015, 50% complete.</li> <li>By December 2016, 100% complete.</li> </ul>	Soundwide	Recreation and Conservation Office	WSDA
B	5.3 Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species	7 <sup>41</sup> <b>State ballast water management.</b> Support effectiveness of state ballast water management by developing a Memorandum of Agreement with the U.S. Coast Guard and EPA for cooperative state/federal management of ballast water.	<ul style="list-style-type: none"> <li>Develop MOA.</li> </ul>	Soundwide	WDFW	
B	5.3 Prevent and rapidly	WH6 <b>Implement and expand the noxious weed</b>	<ul style="list-style-type: none"> <li>In 2014, continue follow-up</li> </ul>	Local	Whatcom	Whatcom

<sup>40</sup> Follow-on from B5.3.1.

<sup>41</sup> Follow-on from B5.3.3.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	respond to the introduction and spread of terrestrial and aquatic invasive species.		<b>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>treatments in forks using existing funding.</p> <ul style="list-style-type: none"> <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>		County	County Noxious Weed Board
<b>B</b>	5.3 Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species.	ISL11	<b>Implement a noxious and invasive weed eradication program.</b>	<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> <li>● 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.</li> <li>● By December 2015, increase acreage of native vegetation restoration.</li> </ul>	Local	Noxious Weed Control Board	
<b>B</b>	5.3 Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic	SNST12	<b>Riparian corridor knotweed control.</b> Program leads will be divided among basins: Stillaguamish—Stillaguamish Tribe and Snohomish County; Skykomish/Snohomish—	<ul style="list-style-type: none"> <li>● By December 2014, develop methods and strategies that work best in their areas of concern including evaluation</li> </ul>	Local	Snoqualmie Tribe	King County, Snohomish County, Tulalip Tribes

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
	<u>invasive species.</u>	<u>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.</u>	<u>of effectiveness of biological control.</u> <ul style="list-style-type: none"> <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>				
B	5.4 Answer key invasive species research questions and fill information gaps.	1	<b>Environmental and economic impact of invasive species.</b> Washington Invasive Species Council, in consultation with WSDA, will complete a risk assessment to evaluate the environmental and economic impacts of invasive species in the Puget Sound marine and nearshore ecosystems and incorporate short-term climate change considerations.	<ul style="list-style-type: none"> <li>● <del>By December 2012, convene workgroups.</del></li> <li>● <del>By September 2013, revise performance measures to denote the number of pathways that will be considered.</del></li> <li>● By August 2014, submit draft pathway analysis to the Science Panel.</li> <li>● By June 2015, complete final study.</li> </ul>	Soundwide	Washington Invasive Species Council	WSDA
<b>C</b>	<b>1</b>	<b>Prevent, reduce, and control the sources of contaminants entering Puget Sound</b>					
C	1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.	1	<b>Polycyclic aromatic hydrocarbons and perfluorooctane sulfonate chemical action plans.</b> Ecology, working with its partners, will complete a polycyclic aromatic hydrocarbons chemical action plan <del>by 2012</del> and a chemical action plan for perfluorooctane sulfonate or all perfluorinated compounds <del>by 2014</del> , and begin to implement the recommendations from the Plans. (Wood smoke actions in the polycyclic aromatic hydrocarbons chemical	<del>polycyclic aromatic hydrocarbons chemical action plan.</del> <ul style="list-style-type: none"> <li>● <u>By 2014, complete chemical action plan for PCB, or all perfluorinated compounds.</u></li> <li>● <u>By 2014, begin to implement the recommendations from the PAH plan (PAH and PFOS or PFC chemical action plans</u></li> </ul>	Soundwide	Ecology	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		action plan will build from the control strategies outlined in the Tacoma State Implementation Plan for fine particulates. The polycyclic aromatic hydrocarbons chemical action plan may also include recommendations to reduce polycyclic aromatic hydrocarbons from incomplete combustion and/or other sources. The perfluorooctane sulfonate / perfluorinated compounds chemical action plan will include an evaluation of safer alternatives and recommendations for reducing use of perfluorooctane sulfonate and/or perfluorinated compounds.)	<del>completed or not;</del> pounds/year of polycyclic aromatic hydrocarbons reduced).			
C	1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.	2	<b>Mercury lamp product stewardship.</b> Ecology will establish a mercury lamp product stewardship program.	● By <del>2013</del> <u>December 2015</u> , establish a mercury lamp product stewardship program.	Soundwide	Ecology
C	1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.	3	<b>Fish consumption rates.</b> The Ecology will finalize a technical report on fish consumption rates <del>in December 2012. By fall 2012</del> Ecology will initiate rulemaking to develop Human Health Criteria for Washington and advance a related rule that will provide options for permit holders to comply with water quality standards. <del>The calculations for the Human Health Criteria will use a new updated fish consumption rate that is based on the levels of fish that Washingtonian's eat.</del> In one other related action, Ecology will complete changes to the Sediment Management Standards rule <del>by January 2013</del> to include methods and policies for establishing sediment cleanup standards based on human health protection.	● As soon as possible, establish accurate default fish consumption rates. ● By the end of 201 <u>4</u> , complete rulemaking process for Sediment Management Standards. ● Beginning in October 2012, report to the Leadership Council at least quarterly.	Soundwide	Ecology
C	1.1 Implement and	4 <sup>42</sup>	<del>Estimates of copper in pesticides.</del> The WSDA	● Milestone 1: By December	Soundwide	WSDA Ecology

<sup>42</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.	will work with Ecology to review and refine estimates of the agricultural and non-agricultural release of copper from pesticide use in the Puget Sound basin and publish a summary report. This report is one element as part of a process to evaluate copper loading in Puget Sound.	2012, WSDA publishes a report describing opportunities to refine estimates of agricultural and non-agricultural release of copper from pesticide use in the Puget Sound basin. This will involve evaluating the 2004 report completed for the San Francisco Bay estuary, reviewing the assumptions used in the Puget Sound loading study, assessing changes in registration status of copper containing pesticides, and comparing and contrasting use patterns in Washington and California. Copper release information is used to evaluate surface water monitoring data collected in 2012.			
€	1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.	5 <sup>43</sup> <b>Pesticide use survey.</b> WSDA, in partnership with the USDA National Agricultural Statistics Service and coordination with PSP, will complete survey work and publish a report of refined estimates of primary releases of copper from non-agricultural pesticide use in the Puget Sound basin. This includes conducting a pesticide use survey of homeowners within the Puget Sound basin. In addition, WSDA will survey commercial and public applicators to provide a more complete profile of urban pesticide use. The results will be used to further refine the estimates for urban pesticide use (including copper compounds) as a source of toxic chemicals released to the Puget Sound	<ul style="list-style-type: none"> <li>● Milestone 1: By November 2012, survey drafted and distributed to 9500 homeowners.</li> <li>— By December 2013, produce report.</li> <li>● Milestone 2: By March 2013, discuss findings and next steps with the Leadership Council. Copper use information is used to evaluate surface water monitoring data collected in 2012.</li> <li>Milestone 3: By December</li> </ul>	Soundwide	WSDA	Ecology

<sup>43</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
		environment This work is one element as part of a process to evaluate copper loading in Puget Sound.	2013, produce report.				
C	1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.	6	<b>Emerging contaminants.</b> Ecology and PSP will assemble information on chemicals of emerging concern, beyond the 17 chemicals of concern in the Puget Sound Toxics Loading Studies, including PBTs, endocrine disruptors, other chemicals, and nanotechnology and nanomaterials, and will recommend actions to (1) better understand the threats to Puget Sound and (2) address the highest priority problems.	● By December 2013, Ecology will publish recommendations for actions to understand and address emerging contaminants.	Soundwide	Ecology	PSP
C	1.2 Promote the development and use of safer alternatives to toxic chemicals.	1	<b>Chemical alternatives assessments.</b> Ecology will work with the Interstate Chemicals Clearinghouse (IC2) to develop a guidance document on chemical alternatives assessment and, depending on funding availability, will complete assessments of five chemicals to identify safer alternatives.	● By September 2012, Ecology will issue draft guidance document.	Soundwide	Ecology	
C	1.2 Promote the development and use of safer alternatives to toxic chemicals.	2	<b>Toxics in roofing materials.</b> Ecology will establish a task force that will oversee a study evaluating toxic materials (including toxic metals and, possibly, phthalates) in roofing materials and recommend strategies for promoting less-toxic alternatives or ways to use materials that minimize releases of toxic materials to receiving waters. To support the task force's work, Ecology will solicit information from manufacturers on the presence of toxic chemicals in roofing materials. Using any data from manufacturers or previously published studies, Ecology will create and implement a sampling strategy to assess the release of contaminants from different roofing materials. The task force will use this information to develop its recommendations.	<ul style="list-style-type: none"> <li>● <del>Milestone 1: By June 2013, Ecology will have a draft report of study findings. The Task Force met in November 2013 and determined that more data collection was needed. NEP funds will allow a Phase 2 study to occur</del></li> <li>● <del>Milestone 2: By December 2013, the Task Force will have recommendations on strategies to promote safer roofing alternatives.</del></li> <li>● <u>In May 2014, meeting with Task force to review new dataset and finalize recommendations for next steps.</u></li> <li>● <u>In September 2014, complete addendum to final report that combines Phase 1 and Phase 2.</u></li> </ul>	Soundwide	Ecology	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
C	1.2 Promote the development and use of safer alternatives to toxic chemicals. 3 <sup>44</sup>	Green Chemistry Road Map. In 2012, Ecology and business, government, and academic stakeholders will finalize and begin implementing a green chemistry road map for Washington, including efforts to establish a Washington State green chemistry center. By 2013, Ecology will host a green chemistry conference in the region	<ul style="list-style-type: none"> <li>Green chemistry road map developed or not; green chemistry center established or not; green chemistry conference held or not</li> </ul>	soundwide	Ecology	
C	1.2 Promote the development and use of safer alternatives to toxic chemicals. SC11	<p><b>Keep toxics and excess nutrients out of the waste stream.</b></p> <ul style="list-style-type: none"> <li>Identify and implement strategies to keep toxics and excess nutrients out of the waste stream through product stewardship and source control.</li> <li>Support state and local programs for safe reduction, recycling, or disposal of hazardous wastes from households, small businesses, and agriculture.</li> <li>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).</li> <li>Inventory toxics reduction efforts and programs and additional chemicals of concern that need to be reduced.</li> <li>Through the NW Product Stewardship Council, coordinate efforts for product-focused strategies to reduce the use of toxic chemicals.</li> <li>Coordinate with and support new product stewardship initiatives.</li> <li>Support and promote the implementation of the Washington Toxics Reduction Strategy Workgroup Recommendations of January 16, 2013.</li> <li>Support efforts to increase funding.</li> </ul>	<ul style="list-style-type: none"> <li>By September 2014, ECO Net will report on education and outreach efforts for this near-term action.</li> <li>By September 2014, Ecology and/or NW Product Stewardship Council will report to South Central Caucus Group (LIO) on status of their efforts.</li> <li>By December 2015, obtain new funding for key toxic reduction activities.</li> <li>By March 2015, develop inventory of toxics reduction efforts and programs and additional chemicals of concern that need to be reduced.</li> <li>By December 2015, increase funding for the Washington Toxics Reduction Strategy Workgroup Recommendations of January 16, 2013.</li> </ul>	Local	LIO	Ecology

<sup>44</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<ul style="list-style-type: none"> <li>Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.</li> </ul>				
C	1.3	Adopt and implement plans and control strategies to reduce pollutant releases into Puget Sound from air emissions.	No near-term actions. Work is focused on implementation of ongoing programs.			
C	1.4	Provide education and technical assistance to prevent and reduce releases of pollution. <sup>1<sup>45</sup></sup>	<p><b>Landscaper accreditation.</b> The landscape industry, in cooperation with other stakeholders, will establish a sustainable landscaper accreditation program to promote environmentally friendly landscape development and maintenance practices. Ecology will support this effort by providing start up funding. The industry led program will be designed to improve habitat and water quality by reducing the use of pesticides containing toxic chemicals, reducing the use of fertilizers, reducing use of water for irrigation, reducing runoff from landscaped properties, increasing natural stormwater filtration, reducing emissions from landscape equipment, and encouraging the use of native or other plants that provide riparian shade, support native pollinators, and require less pesticide, fertilizer, and water.</p>	<ul style="list-style-type: none"> <li>By December 2013, the organization identified to administer the accreditation program shall industry representatives will publish a report describing the program and/or next steps in establishing such a program.</li> </ul>	Soundwide	Ecology
C	1.4	Provide education and technical assistance to prevent and reduce releases of pollution. <sup>2<sup>46</sup></sup>	Environmentally Preferable Purchasing. By 2013, Ecology will work with the new Washington Department of Enterprise Services to develop environmental opportunity assessments for 6-10 contracts; these assessments will identify environmentally preferable purchases that could help reduce toxic pollution while	<ul style="list-style-type: none"> <li>Number of completed "environmental opportunity assessments" for Department of Enterprise Services contracts, number of environmentally preferable purchases completed based on the assessments, pounds</li> </ul>	soundwide	Ecology

<sup>45</sup> Completed.

<sup>46</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		seeking best value for the state. Best value includes looking at price, performance, availability and environmental considerations when developing and awarding contracts.	of hazardous wastes reduced per year.			
C	1.4 Provide education and technical assistance to prevent and reduce releases of pollution.	3 <sup>47</sup>	Conduct Local Source Control Business Assistance Visits. By July 2013, local governments, under contract with Ecology, will conduct at least 5,000 local source control visits to help small businesses reduce stormwater pollution and improve hazardous waste management.	● Number of local source control visits completed per year	soundwide	Ecology
C	1.4 Provide education and technical assistance to prevent and reduce releases of pollution.	ISL9	<b>Stormwater technical assistance and incentive programs implementation.</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).	● 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).	Local	Whidbey Island Conservation District
C	1.4 Provide education and technical assistance to prevent and reduce releases of pollution.	SS7	<b>Prevention of pollution and/or recovery of shellfish beds through education, outreach, and advocacy.</b> Customize outreach efforts aimed at each watershed-inlet for citizen involvement and improved effectiveness to achieve behavioral change through ECO Net.	● 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 clear measures of success. ● By June 2016, adapt that program to the other inlets.	Local	Washington State University Extension ECO Net, Thurston Conservation District, Mason Conservation District
C	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	● By June 2016, report number of new shore stewards signed up. ● Every 2 years, conduct self-reporting survey to identify	Local	Washington State University Extension Thurston Conservation District, Thurston County

<sup>47</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<u>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.</u>	<ul style="list-style-type: none"> <li>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>			Planning Department, Pierce Conservation District, Mason Conservation District
C	1.5 Control wastewater and other sources of pollution such as oil and toxics from boats and vessels.	<sup>48</sup> No-Discharge Zone Evaluation and Petition. Ecology, in collaboration with State Parks and EPA, will administer grants to fund the development of a petition to EPA to establish a No-Discharge Zone to prohibit recreational and commercial vessels from discharging sewage in all or parts of Puget Sound.	<ul style="list-style-type: none"> <li>Completion of draft elements of an evaluation by July 2012 (Phase I). Completion of stakeholder outreach, surveys, geographical locations by July 2013 (Phase II).</li> <li>Completion of draft petition to EPA by September 2013.</li> </ul>	soundwide	Ecology	Parks, EPA
C	1.5 Control wastewater and other sources of pollution such as oil and toxics from boats and vessels.	2 <b>Pump-out station improvements.</b> Ecology and DOH, with National Estuary Program grant funding, will coordinate with Washington State Parks' Clean Vessel Program to assist in construction, repair and monitoring of pump-out stations to meet requirements of the NDZ petition.	<ul style="list-style-type: none"> <li><b>Milestone 1:</b> Number of pump-out stations added or improved. Amount of sewage pumped out. Pump out capacity is able to support a NDZ designation.</li> <li>Add 2-3 stationary pumps for command vessels.</li> </ul>	Soundwide	Ecology	DOH
C	1.5 Control wastewater and other sources of pollution such as oil and toxics from boats and vessels.	<del>WS 9WC108</del> <sup>49</sup> <b>West Sound pump out stations.</b> By January 2013, Kitsap Public Health District will identify <del>potential</del> pump out stations and develop needs assessment to address marine vessel sewage.	<ul style="list-style-type: none"> <li><del>To be determined</del> 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</li> </ul>	Local	Kitsap County	Kitsap Public Health District

<sup>48</sup> Completed.

<sup>49</sup> Updated. All West Central actions recoded with "WC."

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
			<p><u>candidates are Port Madison Bay, Port Gamble Bay, and Seabeck).</u></p> <ul style="list-style-type: none"> <li>• <u>By June 2015, identify long term funding source for work on vessel waste issues.</u></li> </ul>					
C	1.6	Increase compliance with and enforcement of environmental laws, regulations, and permits.	1	<b>Hazardous waste, wastewater, and air quality compliance and enforcement.</b> Increase Ecology's hazardous waste, and wastewater compliance inspection and enforcement programs in the Puget Sound.	<ul style="list-style-type: none"> <li>• <u>Annually, identify</u> number of compliance inspections completed <del>per year.</del></li> <li>• <u>Annually, identify</u> pounds of hazardous wastes and air pollutants reduced <del>per year.</del></li> <li>• <u>Annually, identify</u> volume of wastewater discharges reduced <del>per year.</del></li> </ul>	Soundwide	Ecology	
C	1.6	Increase compliance with and enforcement of environmental laws, regulations, and permits.	2	<b>Compliance for use of toxics in products.</b> Ecology will conduct compliance activities for state laws banning the use of toxic materials (e.g., PBDEs) in products, including taking appropriate enforcement actions against noncompliant products.	<ul style="list-style-type: none"> <li>• <del>Milestone 1: By June 30, 2013</del> <u>Milestone 1: By June 30, 2014</u>, Ecology will publish a report on product sampling and follow up actions taken.</li> </ul>	Soundwide	Ecology	
C	1.6	Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment.	3	<b>Water quality enforcement.</b> Ecology, working with DOH, will increase the capacity for enforcement, and enforce all regulations pertaining to pathogens and contaminants that pollute waters of the state to ensure achievement of approved shellfish growing water certification.	<ul style="list-style-type: none"> <li>• By 2014, increase the number of inspections.</li> </ul>	Soundwide	Ecology	DOH
C	2	<b>Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales</b>						
C	2.1	Manage urban runoff at the basin and watershed scale.	1 <sup>50</sup>	<b>Watershed based stormwater management.</b> To ensure all funds (existing and new) are used efficiently and effectively, PSP will work with the Ecosystem Coordination Board to commission an evaluation of the feasibility, cost, and effectiveness of transitioning the existing municipal stormwater jurisdiction by jurisdiction permit approach using "general	<ul style="list-style-type: none"> <li>• <del>Milestone 1: By December 31, 2013, complete contract to survey other states' watershed based permit programs and compile findings in a report.</del></li> <li>• <del>Milestone 2: By March 31, 2014, share survey findings at</del></li> </ul>	Soundwide	PSP	

<sup>50</sup> Conversation needed with partners on roles and future work.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p>permits,” to watershed-based municipal stormwater management. PSP will work with interested parties, particularly Ecology and local governments, to ensure their perspectives and concerns are addressed and accounted for when developing the scope of work for their evaluation.</p> <p>This Near Term Action will not be fully implemented as proposed. The approach was revised as follows: <u>to first survey other states’ programs; convene facilitated discussions; and present findings to the Ecosystem Coordination Board and Leadership Council; and, following those actions, determine the next steps needed.</u> <del>Phase 1— This project will begin by conducting a survey of other states to determine where a watershed based approach has been implemented and to learn from those experiences. Based on this survey, the participants will evaluate next steps. Any subsequent phases will be considered at a later date.</del></p>	<p><del>a series of facilitated meetings with interested parties.</del></p> <ul style="list-style-type: none"> <li><del>1</del> <u>By June-August 3031, 2014, present survey findings, and summary of facilitated meetings at Ecosystem Coordination Board meeting<sup>51</sup>.</u></li> <li><del>2</del> <u>By March 2015, develop a path forward based on findings and feedback from the Ecosystem Coordination Board and Leadership Council meetings.</u></li> </ul>			
C	2.1	Manage urban runoff at the basin and watershed scale.	2	<p><b>Protect best remaining streams.</b> King County, in cooperation with agencies populating the Puget Sound Stream Benthos database, will identify and map remaining streams with Benthic Index of Biotic Integrity scores of at least 42-46 and develop an overall strategy and tailored actions to protect these areas.</p>	<ul style="list-style-type: none"> <li><del>Milestone 1: By March 2013, complete map of targeted streams.</del></li> <li><del>Milestone 2: By September 2013 Strategies and actions to protect targeted stream drainages. Description: In early 2015 develop strategies and actions to protect targeted stream drainages.</del></li> </ul>	Soundwide	King County
C	2.1	Manage urban runoff at the basin and watershed scale.	3	<p><b>Stormwater system mapping.</b> King County, in cooperation with Ecology, local governments, WSDOT, and DNR, will help improve understanding and management of the region’s stormwater infrastructure by</p>	<ul style="list-style-type: none"> <li><del>Milestone 1: By May 2013, complete protocols, methodology and definitions. Description: Protocols, methodology and definitions</del></li> </ul>	Soundwide	King County Ecology, WSDOT, DNR

<sup>51</sup> Conversation needed with partners on roles and future work.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			developing <u>data collection protocols, methodology and definitions for stormwater system mapping</u> . Following completion of this work, seek funding to develop a <u>geo-referenced database of the Sound's regulated, municipal stormwater system.</u>	to <u>guide mapping and documentation efforts.</u> <ul style="list-style-type: none"> <li>● <u>Milestone 2: By December 2013, seek funding for geo-referenced database.</u> Description: Seek funding to develop geo-referenced database.</li> <li>● <u>By June 2016, develop a geo-referenced database of the Sound's regulated municipal stormwater system.-</u></li> </ul>			
<u>C</u>	<u>2.1</u> <u>Manage urban runoff at the basin and watershed scale.</u>	<u>ISL7</u>	<b><u>The City of Oak Harbor will implement Freund Marsh restoration and stormwater improvement project.</u></b> The project will <u>restore natural treatment 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 Freund Marsh improvements including a trails network and interpretive center to educate public about stormwater, water quality, and wetland issues.</u>	<ul style="list-style-type: none"> <li>● <u>By December 2015, restore 18.1 acres of wetland.</u></li> <li>● <u>By December 2015, reduce stormwater flow rates and nutrient and bacterial loading into Puget Sound.</u></li> <li>● <u>By December 2015, complete trails network around Freund Marsh and install interpretive center.</u></li> </ul>	<u>Local</u>	<u>City of Oak Harbor</u>	
<u>C</u>	<u>2.1</u> <u>Manage urban runoff at the basin and watershed scale.</u>	<u>SNST2</u>	<b><u>Identify existing data and prioritize needs.</u></b> <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</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> </ul>	<u>Local</u>	<u>LIO (reporter)</u>	<u>King County and cities, Snohomish County and cities, Snohomish Conservation District</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<u>stormwater retrofits.</u>	<ul style="list-style-type: none"> <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>			
<u>C</u>	<u>2.1</u> <u>Manage urban runoff at the basin and watershed scale.</u>	<u>SS6</u>	<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>	Local	<u>LIO</u>	<u>ECO Net</u>
<u>C</u>	<u>2.1</u> <u>Manage urban runoff at the basin and watershed scale.</u>	<u>WH11</u>	<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,</u>	Local	<u>Whatcom County</u>	<u>BBWARM</u>
			<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</u></li> </ul>			

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<p><u>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>	<p><u>Terrell Creek Subwatershed Master Plan.</u></p> <ul style="list-style-type: none"> <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 County's NPDES Phase II program.</u></li> </ul>				
C	2.2	Prevent problems from new development at the site and subdivision scale.	1	<p><b>NPDES municipal permits.</b> Ecology will issue municipal permits for western Washington and provide financial assistance to permittees for implementation, particularly for code changes, stormwater system mapping, operations and maintenance, inspections and enforcement. This will require additional resources to Ecology for permit oversight, technical assistance, and enforcement. Ecology will provide incentives to NPDES permittees who, by interlocal agreement, lead or carry out regional or watershed scale NPDES implementation.</p>	<ul style="list-style-type: none"> <li>• <del>Reissued, improved municipal permits by July 2012</del></li> <li>• <del>Additional resources to Ecology by July 2013</del></li> <li>• <del>Financial assistance provided to permittees by December 2013</del></li> <li>• <del>Incentives provided to permittees for regional implementation by December 2013 each biennium depending upon the legislative appropriation. This is an on-going measure.</del></li> </ul>	Soundwide	Ecology	
C	2.2	Prevent problems from new development at the site and subdivision scale.	2	<p><b>Stormwater treatment standards.</b> Ecology will evaluate under which circumstances (i.e., for which pollutants, from which land uses) discharges to Puget Sound should be required to provide treatment beyond sediment removal (i.e., TSS removal) to help meet 2020 recovery targets.</p>	<ul style="list-style-type: none"> <li>• <del>Evaluation with supporting documentation by March 2014</del> <u>Updated performance measures under review.</u></li> </ul>	Soundwide	Ecology	
C	2.2	Prevent problems from new development at the	3	<p><b>Stormwater management outside permitted areas.</b> Ecology, in coordination with DOH, will</p>	<ul style="list-style-type: none"> <li>• <del>By September 2012, identify areas identified.</del></li> </ul>	Soundwide	Ecology	DOH

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	site and subdivision scale.	identify two high priority shellfish growing areas degraded by urban stormwater discharges and work with local governments and other key parties to reduce these impacts to the areas.	<ul style="list-style-type: none"> <li>By December 2012, provide assistance to non-permitted local governments.</li> <li>By March 2014 and at conclusion of projects, document reduced impacts</li> </ul> Updated performance measures under review.			
C	2.2 Prevent problems from new development at the site and subdivision scale.	4	<b>New development under earlier stormwater programs.</b> Ecology will initiate a process to assess projected implications and impacts of current state law concerning the level of stormwater control from new development approved under earlier stormwater programs.	<ul style="list-style-type: none"> <li>RFP issued by August 2012; project lead awarded and project lead to develop new milestones to deliver a report on projected implications and impacts by at least December 2012</li> </ul> Updated performance measures under review.	Soundwide	Ecology
C	2.2 Prevent problems from new development at the site and subdivision scale.	SJI-3 <sup>52</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>	local	SJC
C	2.2 Prevent problems from new development at the site and subdivision scale.	STRT-5 <sup>53</sup>	Straits Stormwater Management Programs. Stormwater Management Program Updates and Implementation (Clallam, Jefferson, Port Angeles, Sequim, and Port Townsend) <ul style="list-style-type: none"> <li>a. City of Port Townsend Stormwater Management Plan</li> <li>b. City of Sequim Stormwater Management Plan</li> <li>c. City of Port Angeles CSO reduction</li> <li>d. City of Port Angeles NPDES Stormwater Management Program implementation</li> <li>e. Jefferson County Public Education Plan implementation</li> </ul>	<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>	local	

<sup>52</sup> Updated, see C2.2 SJI5.

<sup>53</sup> Split into multiple, updated actions.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<p>f. Jefferson County low impact development and BMP staff training</p> <p>g. Jefferson County low impact development and BMP training for development community</p> <p>h. Clallam County stormwater technical assistance</p> <p>i. Clallam County outreach and education</p> <p>j. Clallam County stormwater monitoring and data analysis</p> <p>k. Clallam County stormwater management staff training</p> <p>l. Clallam County land use analysis</p> <p>m. Clallam County Stormwater Management Plan</p> <p>n. Speaker forum on reducing stormwater impacts from roads</p>					
<u>C</u>	<u>2.2</u>	<u>Prevent problems from new development at the site and subdivision scale.</u>	<u>SJI5</u>	<b><u>Control and mitigate stormwater runoff (Near Term Run Off Action I).</u></b>	<ul style="list-style-type: none"> <li>● <u>Improve county stormwater permit review process and existing codes.</u> <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> </ul> </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> <ul style="list-style-type: none"> <li>○ <u>By December 2014, the</u></li> </ul> </li> </ul>	<u>Local</u>	<u>LIO (reporter)</u>	<u>San Juan County Community Development and Planning Department (CDPD), Town of Friday Harbor</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<p>Town of Friday Harbor is <u>investigating feasibility and engineering for waterfront stormwater vault containing Ecology-approved cartridge filters.</u></p> <p>o <u>By December 2015, the Town of Friday Harbor will construct a waterfront stormwater vault containing Ecology-approved cartridge filters.</u></p>				
<u>C</u>	2.2 <u>Prevent problems from new development at the site and subdivision scale.</u>	SNST15	<p><b><u>Low impact development.</u></b> Provide funding for the construction of up to five Low Impact Development projects in the Snohomish and Stillaguamish basins, including the <u>City of Everett's Green Stormwater Infrastructure Implementation Program.</u></p>	<ul style="list-style-type: none"> <li>• <u>By December 2015, construct five low impact development projects.</u></li> </ul>	Local	LIO (reporter)	King County and cities, Snohomish County and cities, Snohomish Conservation District
<u>C</u>	2.2 <u>Prevent problems from new development at the site and subdivision scale.</u>	SC9	<p><b><u>Share information on low impact development /green stormwater infrastructure and facilitate the transition from conventional stormwater management.</u></b></p> <ul style="list-style-type: none"> <li>• <u>Use LIO as a forum for sharing approaches to implementing Low Impact Development policies.</u></li> <li>• <u>Encourage local government participation in Washington State University Low Impact Development technical workshops.</u></li> <li>• <u>Support ECO Net endorsed education and outreach efforts for this near-term action.</u></li> <li>• <u>Support development of regulations that implement Action Agenda priorities.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>By December 2015, hold two forums that highlight successful integration of low impact development/green stormwater infrastructure into local regulations.</u></li> </ul>	Local	LIO	
<u>C</u>	2.2 <u>Prevent problems from new development at the site and subdivision scale.</u>	STRT17	<p><b><u>Implement the highest priority projects listed within the City of Sequim Restoration Plan, a part of the city's updated Shoreline Master Program.</u></b> The current focus for this action is on Restoration Priority 7.1 from the city's Restoration Plan, namely "<u>Improve</u></p>	<ul style="list-style-type: none"> <li>• <u>By 2016, adopt Storm and Surface Water Management Plan and drafts of ordinances</u></li> </ul>	Local	City of Sequim Department of Community Development	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<u>Water Quality and Reduce Pollutant Delivery". This focus area is also a part of the local near-term action titled <u>Develop a Storm and Surface Water Management Plan for the City of Sequim.</u></u>				
<u>C</u>	2.2	<u>Prevent problems from new development at the site and subdivision scale.</u>	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>	Local	City of Port Townsend Public Works Department
<u>C</u>	2.2	<u>Prevent problems from new development at the site and subdivision scale.</u>	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>	Local	City of Sequim Public Works Department
<u>C</u>	2.2	<u>Prevent problems from new development at the site and subdivision scale.</u>	STRT30	<b>Implement the City of Port Angeles NPDES Phase II permit and Stormwater Management Program.</b> Implement NPDES Phase II Stormwater Management Program, including Low Impact Development incentives and ordinances to support surface water pollutant reduction.	<ul style="list-style-type: none"> <li>By March 2015, meet 100% of permit compliance conditions as documented in the 2015 annual report.</li> <li>By March 2016, meet 100% of permit compliance conditions as documented in the 2016 annual report.</li> </ul>	Local	City of Port Angeles Public Works Department
<u>C</u>	2.2	<u>Prevent problems from new development at the site and subdivision scale.</u>	STRT32	<b>Update, adopt, and implement the Clallam County Stormwater Management Plan.</b> Update and implement the Clallam County Stormwater Management Plan, including adoption of Low Impact Development incentives and ordinances to support stormwater management.	<ul style="list-style-type: none"> <li>Adopt Stormwater Management Plan and ordinances (no target adoption date available at this time)</li> </ul>	Local	Clallam County Department of Community Development
<u>C</u>	2.3	Fix problems caused by existing development.	1	<b>Stormwater retrofit projects.</b> Ecology will lead a process to identify high priority retrofit	<ul style="list-style-type: none"> <li><del>RFP issued by August 2012.</del></li> <li>New regional stormwater</li> </ul>	Soundwide	Ecology

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		projects that will contribute to the recovery of Puget Sound and complete conceptual design to a stage sufficient to seek project implementation funding. The work will build on retrofit prioritization work by WSDOT, King County and others, and will be replicable in other urban and suburban areas around the Sound.	retrofit prioritization process and list of projects by December <del>2013</del> 2014.			
C	2.3 Fix problems caused by existing development.	2	<b>Map, prioritize, and restore degraded streams.</b> King County, in cooperation with agencies populating the Puget Sound Stream Benthos database, will identify and map stream drainages with “fair” Benthic Index of Biotic Integrity scores, and develops a prioritized list, strategies and actions to improve scores of 30 of these streams.	<ul style="list-style-type: none"> <li>By March 2013, <u>complete map of targeted drainages.</u></li> <li>early 2015, <u>complete prioritized list for restoration and strategies, actions, and budgets.</u><del>Map of targeted drainages by March 2013; prioritized list for restoration and strategies, actions, and budgets by September 2013.</del></li> </ul>	Soundwide	King County
C	2.3 Fix problems caused by existing development.	3	<b>Legacy pollutant removal.</b> Ecology, in cooperation with local governments, will provide guidance and financial assistance to local governments to help them remove legacy pollutant loads from their stormwater systems.	<ul style="list-style-type: none"> <li>Shared guidance;</li> <li>By December 2014, <u>provide financial assistance to permittees by December 2013.</u></li> </ul>	Soundwide	Ecology
C	2.3 Fix problems caused by existing development.	HC 4 <sup>54</sup>	<del><b>HCCC Stormwater Retrofit Program.</b> 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.</del>	<ul style="list-style-type: none"> <li>By the end of 2014 a list of <u>prioritized stormwater retrofit projects will be available to determine feasibility for implementation</u></li> </ul>	Local	HCCC
C	2.3 <u>Fix problems caused by existing development.</u>	HC4	<u><b>HCCC stormwater retrofit plan.</b> Stormwater retrofit and Low Impact Development practices improve water quality, help protect shellfish beds, decrease flooding risks, and increase aquifer recharge. HCCC is</u>	<ul style="list-style-type: none"> <li>By fall 2014, HCCC will <u>complete and distribute the Hood Canal Regional Stormwater Retrofit Plan with priority retrofit projects to</u></li> </ul>	Local	LIO (Coordination/Facilitation)

<sup>54</sup> Updated and realigned with C2.5.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p><u>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></p>	<p><u>jurisdictions, regional partners, and relevant state agencies.</u></p> <ul style="list-style-type: none"> <li>• <u>Through spring 2016, HCCC will provide support to Hood Canal jurisdictions to plan and seek funds for implementing two priority retrofit projects.</u></li> <li>• <u>Through spring 2016, HCCC will track jurisdiction implementation and barriers to implementation (such as funding constraints) of priority retrofit projects.</u></li> </ul>			
C	2.3	Fix problems caused by existing development.	WS 5 <sup>55</sup>	<p><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>	<ul style="list-style-type: none"> <li>• <u>By December 2015, treat 10 acres of impervious surface</u></li> </ul>	Local	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>• <u>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.</u></li> <li>• <u>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.</u></li> <li>• <u>Cedar Hills/Euclid Stormwater Improvements: Install rain gardens, filter</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Coronado-Fremont Stormwater Improvements:</u> <ul style="list-style-type: none"> <li>○ <u>By October 2014, Whatcom County to complete restoration of about 600 feet of creek channel and install treatment vaults.</u></li> </ul> </li> <li>• <u>Academy Road Stormwater Improvements—Whatcom County with City of Bellingham to:</u> <ul style="list-style-type: none"> <li>○ <u>By September 2014, complete engineering design.</u></li> <li>○ <u>By October 2015, construct pretreatment unit, biofiltration swale, filter</u></li> </ul> </li> </ul>	Local	Whatcom County

<sup>55</sup> Completed.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<u>vaults, and treatment swales. This project will treat runoff from approximately 60 acres.</u>	<u>cartridge vault, high flow bypass, and a vegetated buffer along the lake front.</u> <ul style="list-style-type: none"> <li>• <u>Cedar Hills/Euclid Stormwater Improvements:</u> <ul style="list-style-type: none"> <li>○ <u>By September 2015, Whatcom County to complete design.</u></li> </ul> </li> </ul>			
<u>C</u>	<u>2.3</u>	<u>Fix problems caused by existing development.</u>	<u>WH13</u>	<b><u>Birch Bay area stormwater projects.</u></b> <u>Implement stormwater retrofit projects identified in the Birch Bay Comprehensive Stormwater Plan:</u> <ul style="list-style-type: none"> <li>• <u>Birch Bay Stormwater Priority Retrofit Projects Pre-Design: Ecology Watershed protection and Restoration grant-funded project to complete preliminary design and analysis for priority capital projects.</u></li> <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>	<ul style="list-style-type: none"> <li>• <u>Birch Bay Stormwater Priority Retrofit Projects Pre-Design:</u> <ul style="list-style-type: none"> <li>○ <u>By December 2014, complete four preliminary solutions reports and four pre-design reports.</u></li> </ul> </li> <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>Local</u>	<u>Whatcom County</u>
<u>C</u>	<u>2.3</u>	<u>Fix problems caused by existing development.</u>	<u>WH14</u>	<b><u>Ferndale stormwater projects.</u></b> <u>Implement stormwater projects that address runoff to the Nooksack River, and that are identified in the City of Ferndale Stormwater</u>	<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</u></li> </ul> </li> </ul>	<u>Local</u>	<u>City of Ferndale</u>

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p><u>Management Plan.</u></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>	<p><u>facilities.</u></p> <ul style="list-style-type: none"> <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 Stormwater Study.</u></li> <li>○ <u>By December 2016, complete Thornton Street Stormwater Pond.</u></li> </ul> </li> </ul>			
<u>C</u>	<u>2.3</u>	<u>Fix problems caused by existing development.</u>	<u>ISL12</u>	<p><b>Identify, map, and prioritize blocked and failing culverts and replace one to two priority culverts using fish-friendly passage designs.</b> <u>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.</u></p>	<ul style="list-style-type: none"> <li>● <u>By January 2014, hire a full-time equivalent employee to be project manager for culvert replacement with fish-friendly passage.</u></li> <li>● <u>By July 2014, develop a prioritization of blockages, failing culverts, flood risks, etc. Report to include ecosystem benefits for each project.</u></li> <li>● <u>By December 2015, reduce flood risk and remove fish blockage for top two to three prioritized culverts.</u></li> </ul>	<u>Local</u>	<u>Island County Department of Natural Resources</u>
<u>C</u>	<u>2.3</u>	<u>Fix problems caused by existing development.</u>	<u>SNST10</u>	<p><b>Inspections and maintenance.</b> <u>Provide regular inspections of public and private stormwater facilities in the Snohomish and Stillaguamish basins and identify prescriptive maintenance needs and retrofit opportunities.</u></p>	<ul style="list-style-type: none"> <li>● <u>By December 2014, secure funding for local cities that are challenged to provide regular inspections of existing stormwater facilities.</u></li> <li>● <u>By December 2015, conduct stormwater facility inspections to identify prescriptive maintenance</u></li> </ul>	<u>Local</u>	<u>LIO (reporter)</u> <u>King County and cities, Snohomish County and cities, Snohomish Conservation District</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
<u>C</u>	2.3 <u>Fix problems caused by existing development.</u>	SC6	<p><b>Identify, guide, and fund stormwater retrofits.</b></p> <ul style="list-style-type: none"> <li>• <u>Complete WRIA 9 retrofit study and promote it as a model.</u></li> <li>• <u>Advocate locally and sound-wide through the LIO for increased funding for priority stormwater retrofit projects.</u></li> <li>• <u>Participate in the Commerce’s technical assistance and study of examples of urban-specific implementation or stormwater retrofit projects.</u></li> <li>• <u>Support ECO Net endorsed education and outreach efforts for this near-term action.</u></li> </ul>	<p><u>needs and retrofit opportunities.</u></p> <ul style="list-style-type: none"> <li>• <u>By September 2014, comment on Ecology’s retrofit prioritization and allocation criteria.</u></li> <li>• <u>By January 2015, identify and analyze funding mechanisms that incorporate existing and new funding.</u></li> <li>• <u>By June 2015, complete WRIA 9 retrofit study.</u></li> <li>• <u>By December 2015, identify next steps to support carrying out stormwater retrofit planning and projects throughout the South Central Puget Sound Action Area.</u></li> <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>	Local	LIO
<u>C</u>	2.3 <u>Fix problems caused by existing development.</u>	SC7	<p><b>Promote operation and maintenance and improvements to existing stormwater systems.</b> <u>Promote, support and guide technical assistance for local government adoption of improved operation and maintenance techniques for existing stormwater infrastructure, such as:</u></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>	Local	LIO
<u>C</u>	2.3 <u>Fix problems caused by</u>	WC21	<b>Ridgetop Boulevard Green Street.</b> Kitsap	<ul style="list-style-type: none"> <li>• <u>By December 2015, install 10–</u></li> </ul>	Local	Kitsap SSWM

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>existing development.</u>		<u>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.</u>	<u>14 median bioretention (rain gardens) facilities on Ridgetop Boulevard.</u> <ul style="list-style-type: none"> <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>C</u>	<u>2.3</u> <u>Fix problems caused by existing development.</u>	<u>WC22</u>	<u><b>Poulsbo Low Impact Development retrofit study for Upper South Fork Dogfish Creek basin and 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.</u>	<ul style="list-style-type: none"> <li>• <u>By June 30, 2014, secure funding for plan development.</u></li> <li>• <u>By June 30, 2016, complete stormwater retrofit plans.</u></li> </ul>	<u>Local</u>	<u>City of Poulsbo</u>	
<u>C</u>	<u>2.3</u> <u>Fix problems caused by existing development.</u>	<u>WC23</u>	<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.</u>	<ul style="list-style-type: none"> <li>• <u>By December 2014, prioritize list of beneficial stormwater projects.</u></li> </ul>	<u>Local</u>	<u>City of Gig Harbor</u>	<u>Pierce County</u>
<u>C</u>	<u>2.3</u> <u>Fix problems caused by existing development.</u>	<u>WC27</u>	<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</u>	<ul style="list-style-type: none"> <li>• <u>By March 2015, install passive stormwater filtration system and Low Impact Development components.</u></li> <li>• <u>Contaminants in road runoff reduced.</u></li> <li>• <u>Shellfish beds re-opened or upgraded.</u></li> <li>• <u>Determine baseline flow and water quality characteristics and compare with post-</u></li> </ul>	<u>Local</u>	<u>City of Bremerton</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<u>Oyster Bay Avenue.</u>	<u>construction to determine effects of the project.</u>			
<u>C</u>	2.3 <u>Fix problems caused by existing development.</u>	<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 LIO process, grants, and local partnerships to construct the designed components as funding is made available.	<ul style="list-style-type: none"> <li>By December 2014, complete stormwater retrofit design study for Ostrich Bay Creek.</li> </ul>	Local	City of Bremerton	
<u>C</u>	2.3 <u>Fix problems caused by existing development.</u>	<u>STRT35</u> <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>	Local	To be determined	WDFW
<u>C</u>	2.4 Control sources of pollutants.	1 <b>Compliance assurance program.</b> Ecology and local governments will increase inspection, technical assistance, and enforcement programs for high-priority businesses and at construction sites.	<ul style="list-style-type: none"> <li>By December <del>2012</del> <u>2015</u>, increase number of inspections, technical assistance, and enforcement activities.</li> </ul>	Soundwide	Ecology	
<u>C</u>	2.4 Control sources of pollutants.	2 <b>Vehicle leak detection program.</b> King County, in cooperation with Seattle, WSDOT, the STORM advisory committee, and PSP will lead a regional discussion to develop options and recommendations for a new program to inspect and eliminate privately owned vehicle drips and leaks. This work builds on the related work of existing grants to STORM and Seattle on vehicle leaks and drips.	<ul style="list-style-type: none"> <li><del>By September 2012, convene first forum.</del></li> <li><del>By December 2013, convene up to three additional forums and use information from the STORM and Seattle grant-funded efforts to identify opportunities, challenges, options and recommendations.</del></li> </ul>	Soundwide	King County	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>By June 2014, complete a recommendation report for policy changes, public education and behavior change campaigns, and funding needs, and present recommendation report to the Ecosystem Coordination Board, Science Panel, and Leadership Council for consideration.</li> <li>By September 2014, based on feedback from the Ecosystem Coordination Board and Leadership Council, PSP will work with regional partners to identify a lead for next steps and measures.</li> </ul>			
C	2.4 Control sources of pollutants.	SJI 5 <sup>56</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.	local	SJC	
C	2.4 Control sources of pollutants.	SJI 6 <sup>57</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	local	SJC	

<sup>56</sup> Near-term action updated.

<sup>57</sup> Near-term action updated.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		levels of fecals, heavy metals, POPs, and PAHs in priority basins.				
C	2.4 Control sources of pollutants.	STR34 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.	<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 Plan and Ordinance.</li> </ul>	Local	Clallam County Streamkeepers	
C	2.5 Provide focused stormwater-related education, training, and assistance.	1 Low Impact Development training and certification. Ecology will provide focused training for local government staff on Low Impact Development project review, and inspections and approvals, as well as to local government staff and private sector on maintenance. Develop new professional certification for stormwater maintenance specialists. Provide business staff and contractors with training on source control, spill recognition, spill response, and erosion control.	<ul style="list-style-type: none"> <li>Through July 2015, provide stormwater-related training.</li> <li>Through July 2015, provide follow-up training opportunities. Provide stormwater-related training by June 30, 2013 and follow-up training opportunities by June 30 2014.</li> </ul>	Soundwide	Ecology	
C	2.5 Provide focused stormwater-related education, training, and assistance.	2 Education for the next generation of stormwater professionals. The Tulalip Tribes will develop a near-term plan to provide sustainable water resource management academic curriculum in all Puget Sound counties for future stormwater professionals that is inclusive of tribal treaty rights, history, civics, and emphasizes continuing improvements in stormwater management in the context of the larger issues of sustainable water resource management and climate change.	<ul style="list-style-type: none"> <li>To be determined.</li> </ul>	Soundwide	To be determined	
C	2.5 Provide focused stormwater-related	WC4 <sup>58</sup> West Sound Low Impact Development Training. By December 2014, Kitsap County	<ul style="list-style-type: none"> <li>Training for 80% of LID professionals in Kitsap County</li> </ul>	Local	Kitsap SSWM	

<sup>58</sup> Updated. All West Central actions recoded with "WC."

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	education, training, and assistance.	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.	by December 2014			
<u>C</u>	<u>2.5</u> <u>Provide focused stormwater-related education, training, and assistance.</u>	<u>SJ17</u> <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>	<u>Local</u>	<u>Juan LIO (reporter)</u>	<u>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</u>
<u>C</u>	<u>2.5</u> <u>Provide focused stormwater-related education, training, and assistance.</u>	<u>SC8</u> <b><u>Increase education of and stewardship by homeowners and businesses to reduce stormwater pollution.</u></b> <ul style="list-style-type: none"> <li>● <u>Increase education of and stewardship by homeowners, businesses, and institutions to reduce pollutant loadings to stormwater (e.g., fertilizers, pesticides, oils, cleaners).</u></li> <li>● <u>Support ECO Net endorsed education and outreach efforts for this action.</u></li> </ul>	<ul style="list-style-type: none"> <li>● <u>By December 2015, identify number of persons and businesses reached.</u></li> </ul>	<u>Local</u>	<u>ECO Net</u>	<u>Ecology</u>
<u>C</u>	<u>2.5</u> <u>Provide focused</u>	<u>SS5</u> <b><u>Small community stormwater reduction</u></b>	<ul style="list-style-type: none"> <li>● <u>Develop or enhance programs</u></li> </ul>	<u>Local</u>	<u>WSU Extension</u>	<u>Mason</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
	<u>stormwater-related education, training, and assistance.</u>	<u>program. Develop and enhance program with education, advocacy, and restoration elements addressing non-NPDES mandated stormwater programs in small communities.</u>	<u>with education, advocacy, and restoration elements in each of the following communities: Oakland Bay, Hammersley Inlet, Case Inlet, Pickering Passage, and Nisqually Watershed.</u> <ul style="list-style-type: none"> <li>● <u>Program measures for the development and enhancement of these programs should include the following.</u> <ul style="list-style-type: none"> <li>○ <u>By June 2015, outline pilot programs and enhancements, as well as identify success measures.</u></li> <li>○ <u>Integrate with other ongoing programs where feasible.</u></li> <li>○ <u>By December 2015, implement programs.</u></li> <li>○ <u>By January 2016, evaluate and report.</u></li> <li>○ <u>By June 2016, adapt all programs to use successful measures.</u></li> </ul> </li> </ul>			<u>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>	
<u>C</u>	<u>2.5 Provide focused stormwater-related education, training, and assistance.</u>	<u>WC24</u>	<b><u>Low Impact Development peer leaders network.</u></b> With funding provided through Kitsap County Surface and Stormwater Management, WSU Cooperative Extension will develop and implement a <b><u>Low Impact Development professionals network program.</u></b>		<u>Local</u>	<u>WSU Extension Kitsap</u>	<u>Kitsap SSWM</u>
<u>C</u>	<u>2.5 Provide focused stormwater-related education, training, and assistance.</u>	<u>STRT31</u>	<b><u>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.</u></b> Consider expansion of the SquareONE concept to the other three local jurisdictions within the Strait Action Area.	<ul style="list-style-type: none"> <li>● <u>By 2016, hold four workshops.</u></li> <li>● <u>Number of attendees at workshops and before and after surveys showing improved knowledge.</u></li> <li>● <u>By December 2016, complete a final report on decisions to</u></li> </ul>	<u>Local</u>	<u>Jefferson County Department of Community Development</u>	

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p>Following lessons learned from the <u>SquareONE pilot project in Jefferson County</u>, 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) <u>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;</u> (b) <u>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;</u> and (c) <u>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>expand the SquareONE concept to other Strait Action Area local jurisdictions.</u></p>			
<u>C</u>	<p>2.5 <u>Provide focused stormwater-related education, training, and assistance.</u></p>	<u>STRT33</u>	<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) <u>increase citizen awareness and understanding of the importance, need, and techniques for stormwater management and familiarity with the new stormwater management plans requirements;</u> (b) <u>provide technical assistance to homeowners in Clallam County to assist in implementation of Low Impact Development BMPs contained with the Small Project Drainage Manual;</u> and (c) <u>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</u></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>	<u>Local</u>	<u>Clallam County Department of Community Development</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
		<u>Stewardship Resource Center concept used in Jefferson County and City of Port Townsend to accomplish this action.</u>						
<b>C</b>	<b>3</b>	<b>Prevent, reduce, and control agricultural runoff</b>						
C	3.1	Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery.	1	<b>Water quality BMPs.</b> Ecology, WSDA, and WSCC, after conferring with federal, tribal, and local partners will work on a solution to improved implementation of BMPs that protect water quality.	<ul style="list-style-type: none"> <li>By December 2012, develop a plan to improve BMP implementation.</li> </ul>	Soundwide	Ecology	WSCC, WSDA
C	3.1	Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery.	2	<b>Effectiveness of incentive programs.</b> WSCC—in consultation with WSDA, DOH, and Ecology; conservation districts; federal agencies; and tribes—will report to the Governor and the Legislature on the effectiveness of incentive programs to achieve resource objectives. The report will include a section from Ecology on compliance with water quality standards.	<ul style="list-style-type: none"> <li>By December 2012/2013, hold two coordinating meetings to evaluate the effectiveness of the <u>agriculture</u> incentive programs.</li> <li>By June 2013/2014, produce a draft report with recommendations on necessary changes.</li> <li>Between June 2013/2014 and November 2013/2014, present the draft report to the agencies, tribes, and stakeholder groups for comment.</li> <li>By November 2013/4, present the report to the ECB and Leadership Council. Following presentation of the final report to the legislature and governor, the WSCC will work with the other entities on strategies to implement the recommendations in the report.</li> </ul>	Soundwide	WSCC	Ecology, WSDA, DOH
C	3.1	Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery.	3	<b>Voluntary stewardship program.</b> WSCC, Ecology, and WSDA should support implementation, funding, and assistance to those counties participating in the Voluntary Stewardship program, as well as new capacity for enforcement of state and federal water quality regulations.	<ul style="list-style-type: none"> <li>By <del>December 2012</del> <u>May 2015</u>, the WSCC will identify potential funding sources.</li> <li>By June 2013/5, funding will be made available to the four counties in the program.</li> </ul>	Soundwide	WSCC	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
<u>C</u>	3.1 <u>Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery.</u>	ISL8 <u>Implement a small farm water quality improvement project in Ebey's Prairie. 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.</u>	<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>	Local	Whidbey Island Conservation District	
C	3.2 Ensure compliance with regulatory programs designed to reduce, control, or eliminate pollution from working farms.	1 <b>Priority Areas for voluntary incentive and regulatory programs.</b> WSCC, WSDA, Ecology, and DOH will identify priority areas to better target and coordinate implementation of voluntary incentive and regulatory programs for rural landowners, small-acreage landowners, and working farms.	<ul style="list-style-type: none"> <li>By Dec-31/June 30, 2012<del>5</del>, the WSCC will convene at least two meetings to identify priority areas.</li> <li>By June-December 31<del>30</del>, 2013<del>5</del>, WSCC will implement voluntary incentive programs in five target areas.</li> </ul>	Soundwide	WSCC	WSDA, Ecology, DOH
<u>€</u>	3.2 <u>Ensure compliance with regulatory programs designed to reduce, control, or eliminate pollution from working farms.</u>	2 <sup>59</sup> <u>Dairy Lagoon Assessment. By July 2013, WSDA will complete the current NRCS-funded lagoon assessment of all known dairy waste storage ponds, finalize risk based evaluations and prioritize lagoons based on the findings. The assessment ranks lagoons on potential risk to water resources. Lagoons identified as high risk will be provided technical assistance to address the problem.</u>	<ul style="list-style-type: none"> <li>Field assessment and risk evaluation of up to 500 lagoons completed by July 2013; Number of lagoons with identified risks are identified and operators made aware of available technical assistance by September 2013.</li> </ul>	soundwide	WSDA	
<u>€</u>	3.2 <u>Ensure compliance with regulatory programs designed to reduce, control, or eliminate pollution from working farms.</u>	3 <sup>60</sup> <u>Dairy Rule Final Agronomic Applications. By December 2012, WSDA will adopt a final rule defining records required by dairies to show agronomic applications (Chapter 90.64.010(17)) and create a penalty matrix for both discharge and records violations. Rule adoption supports efficient program implementation by clarifying for dairies and stakeholders the expectations for recordkeeping as well as the basis for penalties.</u>	<ul style="list-style-type: none"> <li>Final rule adopted or not</li> </ul>	soundwide	WSDA	

<sup>59</sup> Completed.

<sup>60</sup> Completed.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
C	3.2	4	Ensure compliance with regulatory programs designed to reduce, control, or eliminate pollution from working farms.	4	<b>Concentrated Animal Feeding Operation General Permit.</b> Ecology will issue an updated Concentrated Animal Feeding Operation General Permit <u>by December 2016</u> .	<ul style="list-style-type: none"> <li>July 2015<del>2</del>: Estimated public comment draft date.</li> <li>November 201<del>6</del><del>5</del>: Estimated permit issuance date.</li> <li>December 201<del>6</del><del>5</del>: Estimated permit effective date.</li> </ul>	Soundwide	Ecology	
C	3.2	SNST3	Ensure compliance with <u>regulatory programs designed to reduce, control, or eliminate pollution from working farms</u>		<b>Agricultural runoff.</b> Engage with the WSCC Agriculture Stormwater Committee to <u>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.</u>	<ul style="list-style-type: none"> <li>During 2014–2015, attend and participate in drafting of <u>priorities.</u></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, <u>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.</u></li> <li>During 2014–2016, assist landowners with compliance of <u>existing water pollution and Critical Areas Regulations requirements.</u></li> </ul>	Local	Snohomish Conservation District	King Conservation District
C	4		<b>Prevent, reduce, and control surface runoff from forest lands</b>						
C	4.1	1	Achieve water quality standards on state and privately owned working forests through implementation of the Forest and Fish Report.	1	<b>Forest Practices Adaptive Management Program review.</b> DNR will <u>work to secure long-term and dependable funding for the Forest Practices Adaptive Management Program to conduct science and research to assist the Forest Practices Board to achieve the resource goals and objectives of the Forests and Fish Report.</u> <del>DNR and Ecology will</del>	<ul style="list-style-type: none"> <li><del>By December 2015, identify date for the review.</del> DNR identifies <u>date for the review by December 2013</u></li> </ul>	Soundwide	DNR	Ecology

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		obtain an independent performance review of the Forest Practices Adaptive Management Program (AMP).				
C	4.1 Achieve water quality standards on state and privately owned working forests through implementation of the Forest and Fish Report.	2	<b>Forest Practices Adaptive Management Program.</b> DNR will work to secure long-term and dependable funding for the Forest Practices Adaptive Management Program, training, compliance monitoring, and enforcement.	<ul style="list-style-type: none"> <li>By July 2014, DNR identifies date for securing a stable base. <del>DNR identifies date for securing a stable base by December 2013</del></li> </ul>	Soundwide	DNR
C	4.1 <u>Achieve water quality standards on state and privately owned working forests through implementation of the Forest and Fish Report.</u>	3 <sup>61</sup>	<b>Continue to implement road maintenance and abandonment programs on forested trust lands.</b> DNR will continue to complete scheduled and planned road work on forested trust lands in the Puget Sound basin to protect water quality and provide for fish passage. As of 2014, status of performance measures are:	<ul style="list-style-type: none"> <li>Number of road management blocks that have all of the road maintenance and abandonment plan projects completed. 2014 Baseline: 144 of 201 road management blocks have all the road maintenance and abandonment plan projects completed</li> <li>Percent of fish barrier culverts that have been corrected. 2014 Baseline: 94% of fish barrier culverts have been corrected in sound Puget Sound basin.</li> </ul>	Soundwide	DNR
C	4.2 Maintain forest roads and implement road abandonment plans for working forest lands subject to the Forest Practices Rules on schedule, and ensure federal forest managers meet or exceed state standards for road maintenance and abandonment on federal lands.	1	<b>Risk assessment of small forest landowner roads.</b> DNR, in consultation with Ecology, will design and complete a resource risk assessment of small forest landowner roads for the delivery of sediment to waters of the state. Work with stakeholders to propose an approach to solving identified problems, and focus restoration efforts on small forest landowner lands in the Puget Sound Basin.	<ul style="list-style-type: none"> <li>By June 2014, design resource risk assessment and implementation plan.</li> </ul>	Soundwide	DNR Ecology

<sup>61</sup> Proposed follow-on action to C4.1.1

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
C	4.2	Maintain forest roads and implement road abandonment plans for working forest lands subject to the Forest Practices Rules on schedule, and ensure federal forest managers meet or exceed state standards for road maintenance and abandonment on federal lands.	2	<b>Accelerate Family Forest Fish Passage Program implementation.</b> DNR, <u>will continue to implement and seek to expand financial support for the Family Forest and Fish Passage Program which improves water crossing projects within the Puget Sound Basin in collaboration with other agencies, will seek increased support for the Family Forest and Fish Passage Program (FFFPP) based on the resource risk assessment and prioritization and will clear the current backlog of FFFPP projects within the Puget Sound Basin. This should build on strong existing partnerships with federal agencies, such as USDA, NRCS, USFWS, NOAA Fisheries, EPA, and Bonneville Power Administration, as well as outreach to private sector and nonprofit sector funding sources.</u>	<ul style="list-style-type: none"> <li>• <del>By July 2013, additional funding secured.</del></li> <li>• Beginning July 2013, initiate cleaning of backlog and <del>Remove 75 fish passage barriers per year.</del></li> </ul>	Soundwide	DNR
C	4.2	Maintain forest roads and implement road abandonment plans for working forest lands subject to the Forest Practices Rules on schedule, and ensure federal forest managers meet or exceed state standards for road maintenance and abandonment on federal lands.	3	<b>Fish passage barriers.</b> WDFW will assess and prioritize fish passage barriers by watershed within the Puget Sound.	<ul style="list-style-type: none"> <li>• Number of watershed habitat assessments and prioritization analyses conducted.</li> </ul>	Soundwide	WDFW DNR, RCO
C	4.2	Maintain forest roads and implement road abandonment plans for working forest lands subject to the Forest Practices Rules on schedule, and ensure federal forest managers meet or exceed state standards for road maintenance and	4	<b>Enhance road maintenance and abandonment plan database:</b> DNR will continue to update the Large Landowner Road Maintenance And Abandonment Plan database to ensure tracking of progress in bringing roads up to current standards.	<ul style="list-style-type: none"> <li>• By 2016 (or 2021 with approved extension), road maintenance and abandonment plan database updated quarterly with reports from landowners.</li> </ul>	Soundwide	DNR

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	abandonment on federal lands.					
C	4.2 Maintain forest roads and implement road abandonment plans for working forest lands subject to the Forest Practices Rules on schedule, and ensure federal forest managers meet or exceed state standards for road maintenance and abandonment on federal lands.	5 <b>Road maintenance and abandonment plan coordination with federal partners.</b> DNR will work to secure executive-level participation from U.S. Forest Service in annual road maintenance and abandonment plan coordination meetings with landowners, WDFW, Ecology, affected tribes, NMFS, USFWS, affected counties, watershed councils and other interested parties within each watershed (per WAC 222-24-051(11)). Participants will discuss opportunities to provide a coordinated approach within each watershed resource inventory area by (1) prioritizing road maintenance and abandonment planning and (2) exchanging information on road maintenance and stream restoration projects.	<ul style="list-style-type: none"> <li>By December 2013/2014, DNR convenes 19 WRIA meetings annually and includes USFS in the meetings for WRIsAs where USFS owns land.</li> </ul>	Soundwide	DNR	
C	4.2 <u>Maintain forest roads and implement road abandonment plans for working forest lands subject to the Forest Practices Rules on schedule, and ensure federal forest managers meet or exceed state standards for road maintenance and abandonment on federal lands.</u>	WH2 <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 decommissioning, storage, and seek funding for implementation.	<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 private forest roads risk in priority drainages.</li> <li>By June 2015, USFS and technical staff prioritize road segments for treatment.</li> <li>By June 2016, USFS finalize contract for treatment on road segments in priority areas.</li> </ul>	Local	WRIA 1 Salmon Recovery Board	USFS, NNR, LNR
C	5	<b>Prevent, reduce, and/or eliminate pollution from decentralized wastewater treatment systems</b>				
C	5.1 Effectively manage and control pollution from on-	1 <sup>62</sup> Effectiveness of OSS Rule. DOH, in consultation with local health jurisdictions	<ul style="list-style-type: none"> <li>Project design completed by December 2012, draft results</li> </ul>	soundwide	DOH	LHJs

<sup>62</sup> Completed.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	site sewage systems.		(LHJs) and other interests, will evaluate the effectiveness of the state OSS rule, identify potential changes, and outline recommendations to the State Board of Health by December 2013.	compiled by September 2013, and recommendations completed by December 2013.			
C	5.1 Effectively manage and control pollution from onsite sewage systems.	2	<b>Onsite sewage system operation and maintenance program best practices.</b> DOH will work with <u>Local Health Jurisdictions (LHJs)</u> to identify successes and best practices, develop common performance standards, and recommend approaches to improve core functions of local operation and maintenance programs.	<ul style="list-style-type: none"> <li>By December <del>31, 2012</del>2014, project design completed.</li> <li>By <del>December 2012</del>June 30, 2015, draft analysis completed.</li> <li>By <del>June 2014</del>December 31, 2015, final analysis completed.</li> <li>By December 2014, onsite sewage system inspection levels at 60% in designated areas.</li> </ul>	Soundwide	DOH	LHJs
C	5.1 Effectively manage and control pollution from onsite sewage systems.	3	<b>Onsite sewage system nitrogen treatment technologies.</b> DOH will evaluate public domain onsite sewage system treatment technologies for nitrogen reduction and develop standards and guidance for their use if testing results indicate the technologies are effective and reliable. The evaluation will be completed and work on standards and guidance, if needed, will begin after that.	<ul style="list-style-type: none"> <li>By <del>August 2012</del>, onsite sewage system installed and testing initiated evaluation of onsite sewage system technologies completed and by December 2014, develop plans for standards and guidance.</li> </ul>	Soundwide	DOH	
C	5.1 Effectively manage and control pollution from onsite sewage systems.	4	<b>Centralized Wastewater facilities treatment.</b> Outside urban growth areas. Commerce, in partnership with Ecology and DOH, will identify shoreline areas outside urban growth boundaries where residential densities are great enough that it may be appropriate to extend centralized wastewater collection systems and that are in close enough proximity to centralized treatment that extension of infrastructure may be feasible. The goal of this effort is completion of the design of at least one pilot project and construction of a least one pilot project.	<ul style="list-style-type: none"> <li>By June <del>2013</del>2015, Commerce, in consultation with Ecology and DOH, will: <ul style="list-style-type: none"> <li>o <u>Identify / characterize the need for centralized treatment outside urban growth areas (DOH task). For example, how big a problem is this and how widespread? What are the ecological implications?</u></li> <li>o <u>Understand the technical and legal challenges associated with pursuing centralized treatment</u></li> </ul> </li> </ul>	Soundwide	Commerce	Ecology, DOH

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<p>outside urban growth areas will produce draft criteria to identify shoreline areas outside urban growth areas that may be appropriate to extend centralized wastewater collection systems.</p> <ul style="list-style-type: none"> <li>By <del>Nov-November 2013</del>2015, areas meeting those criteria will be mapped and analyzed for suitability pilot projects.</li> <li>By July 2014–2016, <u>develop conceptual solutions, and if legally feasible, design for</u> at least one pilot project <del>will be completed.</del></li> <li>By September 2016–2017, <u>Ecology will lead completion of construction</u> for at least one pilot project</li> </ul>				
€	5.1	Effectively manage and control pollution from on-site sewage systems.	SJI 4 <sup>63</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>	local	SJC
€	5.1	Effectively manage and control pollution from on-site sewage systems.	WS 7 <sup>64</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>	local	Kitsap County
C	5.1	Effectively manage and control pollution from onsite sewage systems.	SJI6	<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</li> </ul>	Local	San Juan County Health Department

<sup>63</sup> Completed.

<sup>64</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>countywide to have inspections.</li> <li>Between 2012 and 2016, 60% of gravity systems countywide to have inspections.</li> </ul>			
€	5.2 Effectively manage and control pollution from large on-site sewage systems.	WS 6 <sup>65</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>	local	Kitsap County	
C	5.3 Improve and expand funding for onsite sewage systems and local onsite sewage system programs.	1 <b>Regional onsite sewage system homeowner loan program.</b> DOH and Ecology and the PSP will help evaluate options and support proposals to fund a unified, self-sustaining, low-interest loan program in the Puget Sound region to help onsite sewage system owners repair and replace their systems.	<ul style="list-style-type: none"> <li>By August 2012, project design completed.</li> <li>By March-May 31, 2014, draft analysis of issues and proposed actions completed.</li> <li>By June-September 30, 2014, final analysis completed.</li> </ul>	Soundwide	DOH	PSP, Ecology
C	5.3 Improve and expand funding for onsite sewage systems and local onsite sewage system programs.	2 <b>Regional onsite sewage system program funding source.</b> DOH will evaluate approaches and mechanisms (e.g., a regional flush tax or sewer surcharge) to generate and distribute funds to Puget Sound counties to implement their onsite sewage system management plans and programs.	<ul style="list-style-type: none"> <li>By August 2012, project design completed.</li> <li>By March-May 30, 2014, draft analysis of issues and proposed actions completed.</li> <li>By June-September 30, 2014, final analysis completed.</li> </ul>	Soundwide	DOH	
€	5.3 Improve and expand funding for on-site sewage systems and local OSS programs.	3 <sup>66</sup> Funding Mechanism for Local OSS Programs. DOH will work to authorize local boards of health to contract with county treasurers to collect fees via property tax statements to implement local OSS plans and programs by June 2012.	<ul style="list-style-type: none"> <li>Bill introduced and legislation passed and signed by June 2012.</li> </ul>	soundwide	DOH	
C	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> 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	<ul style="list-style-type: none"> <li>By September 2015, identify sustainable funding source(s) including no-cost loans for repairs.</li> <li>During 2014–2016, educate homeowners about septic</li> </ul>	Local	Snohomish-Stillaguamish LIO (reporter)	Snohomish Health District, Snohomish County, King County,

<sup>65</sup> Updated. All West Central actions recoded with “WC.”

<sup>66</sup> Completed.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<u>stream bacteria and nutrient loads in Kimball and Coal Creek subbasins. Explore upgrading or decommissioning septic systems and connecting to municipal sewer systems.</u>	<p>system maintenance.</p> <ul style="list-style-type: none"> <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>			<u>Seattle/King County Public Health, Snoqualmie Tribe</u>	
<u>C</u>	<u>5.3</u>	<u>Improve and expand funding for onsite sewage systems and local onsite sewage system programs.</u>	<u>SNST8</u>	<p><b><u>Pollution identification and correction project.</u></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></p>	<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> <li>• <u>By December 2015, begin process of correcting some of the high priority sites that are sources of fecal coliform bacteria contamination.</u></li> <li>• <u>By January 2016, expand project to the Snohomish</u></li> </ul>	<u>Local</u>	<u>Snohomish County</u>	<u>Snohomish Health District, Snohomish Conservation District</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
<u>C</u>	5.3	Improve and expand funding for onsite sewage systems and local onsite sewage system programs.	SS1	<b>Mason County enhanced septic repair grant and loan program.</b> 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.	Basin. <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>	local	LIO	Mason County
<u>C</u>	5.3	Improve and expand funding for onsite sewage systems and local onsite sewage system programs.	SS2	<b>Thurston County enhanced septic repair grant and loan program.</b> 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.	<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>	local	LIO	Thurston County
<u>C</u>	5.3	Improve and expand funding for onsite sewage systems and local onsite sewage system programs.	SS3	<b>Pierce County enhanced septic repair grant and loan program.</b> 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.	<ul style="list-style-type: none"> <li>Funded by 2016</li> </ul>	local	LIO	Pierce County
<b>C</b>	<b>6</b>	<b>Prevent, reduce, and/or eliminate pollution from centralized wastewater systems</b>						
<u>C</u>	6.1	Reduce the concentrations of pollutant sources of pollution conveyed to wastewater treatment plants through education and appropriate regulations, including improving pre-treatment requirements.		No near-term actions. Work is focused on implementation of ongoing programs.				
<u>C</u>	6.2	Reduce pollution loading to Puget Sound by preventing and reducing	1 <sup>67</sup>	Integrated Municipal Stormwater and Wastewater Plans. PSP, in collaboration with Ecology, will convene a group to make	<ul style="list-style-type: none"> <li>By December 2012, conduct at least one initial meeting to scope work plan; By March</li> </ul>	soundwide	PSP	Ecology

<sup>67</sup> Completed; subsequent efforts incorporated at a program level.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	combined sewer overflows.	recommendations about use of integrated municipal stormwater and wastewater plans to meet Clean Water Act water quality objectives. This effort will recognize the use of integrated approaches as a way to prioritize allocation of resources to achieve the greatest environmental benefit, at the earliest time, consistent with meeting Clean Water Act obligations and applicable state laws, through appropriate sequencing of work.	2013, a work Plan approved by key partners; By December 2013, recommendations for integrated stormwater and wastewater planning and implementation made to the Leadership Council. These dates are dependent on conclusions of current 2012 negotiations. If those negotiations are still in progress by September 2012, PSP will work with the Leadership Council to set new performance milestone dates.			
C	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>	Local	City of Port Angeles Public Works Department	
C	6.3 Implement priority upgrades of municipal and industrial wastewater facilities.	No near-term actions. Work is focused on implementation of ongoing programs.				
C	6.4 Ensure all centralized wastewater treatment plants meet discharge permit limits through compliance monitoring, technical assistance, and enforcement where needed.	1 <b>Water quality standards update.</b> Ecology has initiated rule making to amend the Water Quality Standards to update and develop predictable regulatory compliance tools that address short and long-term source control programs. The proposed changes will provide predictable regulatory tools to help entities comply with existing and new source control requirements or discharge limits. The changes will allow compliance with requirements while they effectively work toward meeting permit limits and control sources of pollutants.	<ul style="list-style-type: none"> <li><del>October 25, 2011: Rule initiation.</del></li> <li><del>December 31, 2014</del> June 30, 2013: Rule adopted.</li> </ul>	Soundwide	Ecology	
C	6.5 Promote appropriate reclaimed water projects to reduce pollutant	No near-term actions. Work is focused on implementation of ongoing programs.				

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
	loading to Puget Sound.							
<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>						
C	7.1	Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas.	1	<b>Shellfish best practices library.</b> DOH will work with the PSP, Ecology, WSCC, and conservation districts and local governments to create a best practices library or menu highlighting successful locally driven efforts to assist in the development of shellfish protection districts, shellfish protection programs, and shellfish growing area restoration activities, such as the Henderson Inlet, Oakland Bay, and Samish Bay efforts.	<ul style="list-style-type: none"> <li>By June 2013, complete survey of partners to identify practices used to identify and correct nonpoint pollution problems that impact shellfish growing areas (subject areas include onsite sewage systems, agricultural practices, stormwater, outreach and education monitoring).</li> <li>By December 2013/September 30, 2014, develop best practices library.</li> </ul>	Soundwide	DOH	PSP, Ecology, WSCC
<del>C</del>	<del>7.1</del>	<del>Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas.</del>	<del>2<sup>68</sup></del>	<del>Annual evaluation of shellfish restoration efforts. The Partnership will convene an annual meeting of the Departments of Health, Ecology, Agriculture, Conservation Commission and EPA to evaluate restoration efforts in shellfish growing areas in Puget sound and report the results to the region.</del>	<del>Net increase of 2,700 acres of harvestable shellfish beds, of which 1,750 should be from beds presently classified as prohibited</del>	<del>soundwide</del>	<del>PSP</del>	<del>DOH, WSDA, EPA</del>
C	7.1	Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas.	3	<del>Pollution Control Action Team</del> <b>Local clean water programs.</b> Ecology, working with WSDA, DOH, EPA, and the tribes will form a Pollution Control Action Team to respond quickly when areas are identified where water quality problems threaten shellfish areas. They will initiate community outreach and education, pollution identification, inspection, technical assistance to local agencies and landowners and finally, enforcement. The team will focus its work in priority areas and support pollution identification and correction programs where they are established. The first effort will be in Drayton Harbor and Portage Bay.	<ul style="list-style-type: none"> <li>Reduce fecal coliform loading in each priority area to upgrade the status of closed areas and prevent further degradation for those with a negative trend.</li> </ul>	Soundwide	Ecology	DOH, WSDA, EPA

<sup>68</sup> Deleted; incorporated at a program level in the Governor's Office.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
<u>C</u>	7.1	Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas.	WC26	<b>South Dyes Inlet wastewater infrastructure.</b> With an ultimate goal of making Oyster Bay viable for commercial shellfish harvest, the City of Bremerton will assess, improve, and expand sewer infrastructure in South Dyes Inlet.	<ul style="list-style-type: none"> <li>By August 31, 2014, completion of an <u>Infrastructure Integrity Assessment.</u></li> <li>By July 31, 2014, completion of 100% sewer system designs for Phinney Bay, and by November 30, 2014, Ostrich Bay Creek.</li> <li>By August 31, 2015, construction of sewer system extensions for Phinney Bay and by June 30, 2016, Ostrich Bay Creek.</li> <li>Fecal coliform content of water reduced (or other contaminants).</li> <li>Shellfish acres re-opened or upgraded.</li> </ul>	Local	City of Bremerton	
C	7.2	Restore and enhance native shellfish populations.	WC13 <sup>69</sup>	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</del>	<ul style="list-style-type: none"> <li>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.</li> <li>By December 2015, expand to two additional sites.</li> </ul>	Local	Kitsap Public Health District	Puget Sound Restoration Fund

<sup>69</sup> Updated. All West Central actions recoded with "WC."

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
C	7.3	Ensure environmentally responsible shellfish aquaculture based on sound science.	1	<del>corrected.</del> <b>Aquaculture Shoreline Master Program Handbook.</b> Ecology will publish an aquaculture Shoreline Master Program Handbook section with special emphasis on geoduck aquaculture and finfish net pen operations, update its aquaculture web resources to make them more comprehensive, and provide direct assistance and training to local governments on the aquaculture handbook. <del>When the final findings of the Sea Grant geoduck aquaculture research are available, Ecology will review them and other appropriate, vetted sound science, to determine if amendments to WAC 173-26 are warranted.</del>	<ul style="list-style-type: none"> <li>By June 30, 2014, handbook complete or not, number of local governments reached through training and technical assistance.</li> </ul>	Soundwide	Ecology	
C	7.3	Ensure environmentally responsible shellfish aquaculture based on sound science.	2	<b>Areas suitable for future shellfish aquaculture.</b> Ecology will coordinate with interested local governments, DNR, and stakeholders to support pre-planning and implementation of marine spatial planning and local shoreline master program updates by gathering, compiling an ground-truthing baseline information on current aquaculture and filling data gaps and completing research to identify areas that are suitable and unsuitable for future shellfish aquaculture. Ecology will support marine spatial planning related to aquaculture by coordinating with interested local governments, DNR, and stakeholders on gathering, compiling, and ground-truthing baseline information on current aquaculture and filing data gaps.	<ul style="list-style-type: none"> <li>Mapping completed.</li> <li>Updated milestones under development.</li> </ul>	Soundwide	Ecology	
C	7.3	Ensure environmentally responsible shellfish aquaculture based on sound science.	3	<b>Shellfish Model Permitting Program.</b> Ecology will work with the Governor's Office of Regulatory Assistance to lead and facilitate a state team to develop and implement a Model Permitting Program that ensures early and continued coordination among state and federal agencies, tribes and local governments for permitting and licensing of shellfish aquaculture.	<ul style="list-style-type: none"> <li>By June 2012, sign operation agreement.</li> <li>By September 2012, identify pilots.</li> <li>By November 2012, establish pilot project timelines.</li> <li>Updated milestones under development.</li> </ul>	Soundwide	Ecology	Governor's Office of Regulatory Assistance

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
C	7.3	Ensure environmentally responsible shellfish aquaculture based on sound science.	4	<b>Nitrogen control pilots using shellfish.</b> Ecology will work with DNR, the shellfish industry and researchers to create pilot projects testing the use of mussel culture or other suspended or beach culture to help address nitrogen pollution in sensitive areas, such as Quartermaster Harbor.	<ul style="list-style-type: none"> <li>By January 2015, initiate two pilot projects.</li> </ul>	Soundwide	Ecology	DNR
C	7.4	Enhance the publics' connection to shellfish and increase recreational harvest opportunities.	1	<b>Shellfish interpretive programs and events.</b> Washington State Parks, in collaboration with other public, tribal and private interests, will conduct shellfish interpretive programs and events to help forge personal connections between clean, productive Puget Sound waters, the shellfish we eat, and the iconic role shellfish occupy in Washington's cultural and culinary identify.	<ul style="list-style-type: none"> <li><del>Milestone 1: By December 2012, develop interpretive concepts and action plans with partners, and identify up to three pilot program locations.</del></li> <li><del>Milestone 2: By October 2013, implement and evaluate pilot shellfish interpretive programs and events at selected State Parks.</del></li> <li><del>Milestone 3: By June 2014/2015, expand/migrate existing programs to two additional different state parks, incorporating evaluation results from pilot programs.</del></li> <li><del>Milestone 4: By June 2017, migrate program to two different/new parks. Washington State Parks will seek partners who can help expand the number of locations and events.</del></li> </ul>	Soundwide	Washington State Parks	
C	7.4	Enhance the publics' connection to shellfish and increase recreational harvest opportunities.	2 <sup>70</sup>	<del>Shellfish Messages, Events, and Materials.</del> <del>Washington Sea Grant will partner with state and federal agencies on a planning process to develop shellfish-related messages, publicize events, and develop materials.</del>	<ul style="list-style-type: none"> <li><del>By September 2012, planning process is convened. Additional measures will be set in the future.</del></li> </ul>	soundwide	SeaGrant	

<sup>70</sup> Completed.

Strategy		Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
C	7.5	Answer key shellfish safety research questions and fill information gaps.	1	<b>Point source dilution analyses modeling.</b> The Ecology and DOH will work cooperatively under an existing EPA grant to evaluate use of Ecology environmental models for point source dilution analyses in DOH's commercial shellfish area classification program.	<ul style="list-style-type: none"> <li>By June 2014, complete modeling study.</li> </ul>	Soundwide	Ecology	DOH
C	7.5	Answer key shellfish safety research questions and fill information gaps.	2 <sup>71</sup>	<b>Expand Biotoxin Monitoring.</b> Expand biotoxin monitoring to address the marine toxin causing "Diarrhetic Shellfish Poisoning" (DSP). This involves including DSP into our Marine Biotoxin Monitoring Program. In addition, we must purchase and install special testing equipment to analyze shellfish extracts for this and other biotoxins. The instrument will also be used to develop alternate detection methods for Paralytic Shellfish Poisons (PSP) that eliminates the sacrifice of live test animals.	<ul style="list-style-type: none"> <li>Purchase equipment and initiate monitoring by June 2012. Include DSP monitoring into the Marine Biotoxin Monitoring Program by June 2013.</li> </ul>	soundwide	DOH	
C	7.5	Answer key shellfish safety research questions and fill information gaps.	3 <sup>72</sup>	<b>Water Quality and Seasonal Harvest Restrictions.</b> DOH, in cooperation with NOAA's Northwest Fisheries Science Center, will conduct water quality studies of selected shellfish "wet storage" areas in Puget Sound to better correlate environmental conditions with potential causes of illness that seasonally restricts harvest.	<ul style="list-style-type: none"> <li>Complete field studies to calibrate model by December 2013. Complete final model simulation report by June 2014.</li> </ul>	soundwide	DOH	NOAA
	7.5	Answer key shellfish safety research questions and fill information gaps.	4 <sup>73</sup>	<b>Ocean Acidification Blue Ribbon Panel.</b> Ecology, as part of the Washington Shellfish Initiative, will manage the Governor appointed Blue Ribbon Panel on Ocean Acidification to develop clear, actionable recommendations on understanding, monitoring, adapting and mitigation ocean acidification in Puget sound and Washington waters.	<ul style="list-style-type: none"> <li>By March 2012 convene the panel; by October 2012, submit recommendations</li> </ul>	soundwide	Ecology	
C	7.5	Answer key shellfish	SNST6	<b>Water quality monitoring for ocean</b>	<ul style="list-style-type: none"> <li>During 2014–2016, install,</li> </ul>	Local	Tulalip Tribes	Stillaguamish

<sup>71</sup> Completed.

<sup>72</sup> Completed.

<sup>73</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
	<u>safety research questions and fill information gaps.</u>	<b>acidification.</b> Collect water quality data for <u>temperature, salinity, dissolved oxygen, pH, CO<sub>2</sub> (pCO<sub>2</sub>)</u> to identify local trends.	<u>maintain, and present data collected from Sunburst Sensor SAMI2-CO2 sensor system.</u> <ul style="list-style-type: none"> <li>• During 2014–2016, install and maintain YSI 6600 data logger.</li> </ul>			<u>Tribe, King County</u>		
<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.	1 <sup>74</sup>	Traffic and Incident Trends. Ecology will assess trends in ship traffic, vessel incidents and incident notifications for use in targeting inspections and setting standards.	<ul style="list-style-type: none"> <li>• Ecology presents concise report to the Cross PSP Oil Spill Work Group by July 2013</li> </ul>	soundwide	PSP	
C	8.1	Prevent and reduce the risk of oil spills.	2	<b>Evaluate risk assessments for update needs.</b> Ecology will evaluate existing Puget Sound marine transportation oil spill risk assessments, identify any gaps in marine safety and work with experts to develop and apply appropriate risk reduction measures.	<ul style="list-style-type: none"> <li>• <u>Milestone 1:</u> Gaps identified by PSP, Ecology, technical consultant, and/or Cross Partnership Oil Spill Work Group.</li> <li>• <u>Continue meetings with U.S. maritime community and with Canadian counterparts to share vessel traffic risk assessment findings and identify opportunities to recommend or implement risk mitigations measures.</u></li> </ul>	Soundwide	<u>Ecology</u> PSP	
<u>C</u>	8.1	Prevent and reduce the risk of oil spills.	SJI 1 <sup>75</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>	local	SJMRC	
<u>C</u>	8.1	<u>Prevent and reduce the risk of oil spills.</u>	SJI4	<b>Expand and maintain Derelict Vessel Compliance Program (Near-Term Major Oil</b>	<ul style="list-style-type: none"> <li>• By 2015, obtain funding to expand program to six</li> </ul>	<u>Local</u>	<u>San Juan County</u>	<u>PSP</u>

<sup>74</sup> Completed.

<sup>75</sup> Updated.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<u>Spills Action IV).</u>	jurisdictions. Additional jurisdictions suggested by DNR include Jefferson, Island, Kitsap, Snohomish, Whatcom, and Mason.			
C	8.2	Strengthen and integrate spill response readiness of the state, tribes, and local government.	STRT 2 <sup>76</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>	local	Strait ERN	
C	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 Columbia report on Recommendations for Wildlife and Natural Resource Damage Assessment and Restoration.</li> <li>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.</li> </ul>	Local	LIO (reporter)	San Juan County Council Islands Oil Spill Association (IOSA), San Juan County Marine Resources Committee

<sup>76</sup> Updated.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <li>Through 2016, maintain <u>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>			
C	8.2 <u>Strengthen and integrate spill response readiness of the state, tribes, and local government.</u>	SJI2 <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>Monitor the results of <u>Coast Guard Authorization Act of 2010 and the Coast Guard and Maritime Transportation Act of 2012.</u></li> <li>By December 2015, work with <u>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>By December 2014, complete <u>feasibility assessment for Particularly Sensitive Sea Area study. Implement the study to</u></li> </ul>	Local	LIO (reporter)	San Juan County Council ( <u>Trans-boundary agreement</u> ), Friends of the San Juans

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p><u>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></p> <ul style="list-style-type: none"> <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>C</u>	8.2 <u>Strengthen and integrate spill response readiness of the state, tribes, and local government.</u>	STRT12 <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 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</u>	<ul style="list-style-type: none"> <li>• <u>By 2016, participate in the worst-case or deployment drill planning process. (Note: Participants will likely include 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.)</u></li> </ul>	Local	<u>Makah Tribe and Northwest Maritime Center</u>	<u>Appropriate members of Strait ERN LIO; U.S. Coast Guard; Ecology; Department of Fish and Oceans; Transport Canada</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)		
C	8.2	Strengthen and integrate spill response readiness of the state, tribes, and local government.	STRT13	through coordination. <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.	<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>	Local	Makah Tribe	Appropriate members of Strait ERN LIO; U.S. Coast Guard; Ecology; DFO; Transport Canada
C	8.2	Strengthen and integrate spill response readiness of the state, tribes, and local government.	STRT14	<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.	<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>	Local	Makah Tribe	Ecology; Industry Groups; U.S. Coast Guard
C	8.3	Respond to spills and seek restoration using the best available science and technology.	1 <sup>77</sup>	WAC 173-182 Revision to Achieve Protection from Spills. Revise WAC 173-182 to conform with HB1186 from the 2011 session, requiring the best achievable protection from the impacts of oil spills, and ensure implementation and enforcement of updated oil spills regulations.	<ul style="list-style-type: none"> <li>Complete rulemaking by Dec 2012.</li> </ul>	soundwide	Ecology	
C	8.3	Respond to spills and seek restoration using the best available science and	SJI-2 <sup>78</sup>	Island Oil Spill Association Spill Readiness and Response. Islands Oil Spill Association (IOSA) will maintain local oil spill readiness and	<ul style="list-style-type: none"> <li>To be determined</li> </ul>	local	IOSA	

<sup>77</sup> Completed.

<sup>78</sup> Updated.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	technology.	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				
C	8.3 Respond to spills and seek restoration using the best available science and technology.	3 <sup>79</sup>	Increase Natural Resource Damage Assessment Values. Revise WAC 173-183 to conform with HB1186 from the 2011 session, requiring Natural Resource Damage Assessment values be increased.	<ul style="list-style-type: none"> <li>Complete rulemaking by Dec 2012.</li> </ul>	soundwide	Ecology
C	8.3 Respond to spills and seek restoration using the best available science and technology.	4	<b>Identify species and locations at risk in spills.</b> WDFW will establish planning efforts for coordinated, scientific collection of ephemeral data by local and regional entities for key species and locations at risk in oil spills to enhance response and Resources Damage Assessment and Restoration program.	<ul style="list-style-type: none"> <li>Number of ephemeral data plans developed for areas or facilities in high risk locations. Relevant training or preparation completed once the plan is in place.</li> </ul>	Soundwide	WDFW Ecology
<b>C</b>	<b>9</b>	<b>Address and clean up cumulative water pollution impacts in Puget Sound</b>				
C	9.1 Complete Total Maximum Daily Load (TMDL) studies and other necessary water cleanup plans for Puget Sound to set pollution discharge limits and determine response strategies to address water quality impairments.		No near-term actions. Work is focused on implementation of ongoing programs.			
C	9.2 Clean up contaminated sites within and near Puget Sound.		No near-term actions. Work is focused on implementation of ongoing programs.			
C	9.3 Restore and protect water quality at swimming beaches and recreational areas.	1	<b>Freshwater swimming beach program.</b> By 2014, Ecology and DOH will develop a proposal to coordinate a monitoring and notification freshwater swimming beach program for the Puget Sound region.	<ul style="list-style-type: none"> <li>To be determined.</li> </ul>	Soundwide	Ecology DOH

<sup>79</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
C	9.3 Restore and protect water quality at swimming beaches and recreational areas.	2 <b>Correct pollution problems at marine beaches.</b> Ecology and DOH will develop a plan to conduct pollution source surveys and correct pollution problems at marine beaches used for swimming, surfing, diving and other recreational uses. Ecology and DOH will coordinate with local, state and tribal programs that address point source and nonpoint source pollution to assure that activities are not duplicative.	<ul style="list-style-type: none"> <li>By June 30, 2013, a priority list will be developed and 10 shoreline surveys completed, and by June 30, 2014, complete 10 additional shoreline surveys on the priority list previously developed.</li> </ul>	Soundwide	Ecology	DOH
C	9.4 Develop and implement local and tribal pollution identification and correction programs.	1 <b>Pollution Identification and Correction Programs.</b> DOH and Ecology will administer EPA grants to help counties and tribes set up sustainable programs to identify and correct nonpoint pollution sources to improve and protect water quality in shellfish growing areas and at marine swimming beaches. These sustainable programs will have ongoing monitoring to identify pollution sources and assess effectiveness of efforts, a local sustainable funding source, and a compliance assurance component.	<ul style="list-style-type: none"> <li><del>Milestone 1:</del> By July 2012/2015, award pollution identification and correction program funds and distribute Agricultural BMP funds to at least <del>six</del> eight 6 Puget Sound counties. -Metric for each program will be individually set to reflect targets for numbers of BMPs implemented and maintained and systems repaired to address water quality.</li> </ul>	Soundwide	DOH	Ecology, EPA
€	9.4 Develop and implement local and tribal pollution identification and correction programs.	HC 3 <sup>80</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>	local	HCCC	
€	9.4 Develop and implement local and tribal pollution identification and correction programs.	WS 8 <sup>81</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	<ul style="list-style-type: none"> <li>Number of failing septic systems identified using PIC methodology, the number repaired and associated improvements in water</li> </ul>	local	Kitsap County	

<sup>80</sup> Completed.

<sup>81</sup> Updated. All West Central actions recoded with "WC."

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
<u>C</u>	9.4	<u>Develop and implement local and tribal pollution identification and correction programs.</u>	WH9	<p><u>quality by December 2013.</u></p> <p><b>Implement a pollution identification and control project in northern Chuckanut Bay (Mud Bay) to restore the recreational shellfish area.</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>	<p><u>quality by December 2013</u></p> <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 monitoring to identify pollution sources.</u></li> <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>	Local	<u>Whatcom County Marine Resources Committee</u>	<u>Whatcom County Department of Health</u>
<u>C</u>	9.4	<u>Develop and implement local and tribal pollution identification and correction programs.</u>	WH10	<p><b>Implement Whatcom County Pollution Identification and Control Program.</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> </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,</u></li> </ul>	Local	<u>Whatcom County</u>	<u>WCD, DOH, Ecology, WSDA, Lummi Nation, Nooksack Tribe</u>

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <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>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>			
C	9.4	<u>Develop and implement local and tribal pollution identification and correction programs.</u>	HC3	<p><b><u>Hood Canal Pollution Identification and Correction Program.</u></b> 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.</p>	<p>Phase I</p> <ul style="list-style-type: none"> <li>● <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.</u></li> </ul> <p>Phase II</p> <ul style="list-style-type: none"> <li>● <u>By summer 2014, HCCC will collaborate with jurisdictions to identify and secure funding.</u></li> <li>● <u>By fall 2014, or as funding is available, HCCC will collaborate with jurisdictions to develop strategy for regional coordination and documentation.</u></li> <li>● <u>By fall 2014, or as funding is available, HCCC will collaborate with jurisdictions to identify priority areas for projects.</u></li> </ul>	Local	LIO

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<ul style="list-style-type: none"> <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>			
C	9.4	Develop and implement local and tribal pollution identification and correction programs.	HC8	<p><b>Seepage pits and cesspools.</b> Reduce the use of seepage pits and eliminate cesspools as discovered in all Hood Canal shoreline (marine and freshwater) properties.</p> <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 properties adequately address human health and safety.</li> <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>	Local	Local health jurisdictions (Mason, Kitsap <sup>82</sup> and Jefferson)

<sup>82</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	Type	Owner	Secondary Owner(s)
<u>C</u>	9.4	Develop and implement local and tribal pollution identification and correction programs.	STR2	<b>Implementation of water quality cleanup plans for Sequim-Dungeness Bay and East Jefferson County Clean Water Districts.</b> 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>	Local	Clallam and Jefferson Counties	Sequim-Dungeness Clean Water Work Group, Jamestown S’Klallam Tribe, Clallam Conservation District, Jefferson Conservation District
<b>D</b>	<b>1</b>	<b>Provide the leadership frameworks to guide the Puget Sound recovery effort and set action and funding priorities</b>						
<u>D</u>	1.1	Provide backbone support for the recovery effort and management conference.		No near-term actions. Work is focused on implementation of ongoing programs.				
<u>D</u>	1.2	Maintain and update the Action Agenda as the shared recovery plan.	1 <sup>83</sup>	Establish Interim Milestones for Targets PSP will lead a collaborative effort to establish interim milestones for all 19 ecosystem recovery targets that describe expected results for incremental progress toward the adopted targets or for key steps in the critical path. In 2012 and 2013 PSP staff and boards will engage partners to establish milestones that parties agree will inspire meaningful contributions to ecosystem recovery and can be used to evaluate progress toward the 2020 ecosystem recovery targets.	<p>Milestone 1: In July 2012, confer with ECB regarding design of the process and composition of workgroups.</p> <p>Milestone 2: August, 2012, confer with Leadership Council regarding schedule and process.</p> <p>Milestone 3: October 2012, initiate interim milestone review process.</p> <p>Milestone 4: 25% complete by February 2013.</p> <p>Milestone 5: 50% complete by June 2013.</p> <p>Milestone 6: 75% complete by September 2013.</p> <p>Milestone 7: 100% complete by November 2013.</p>	Soundwide	Puget Sound Partnership	
<u>D</u>	1.2	Maintain and update the	2 <sup>84</sup>	Establish Interim Milestones for Targets	Milestone 1: Leadership Council	Soundwide	Puget Sound	

<sup>83</sup> Deleted; region has shifted to biennial implementation strategy approach.

<sup>84</sup> Deleted; comprehensive assessment of programs and activities contributing to Action Agenda implementation and contribution to Vital Signs are being considered in the development of implementation strategies for Vital Sign indicator targets.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	Action Agenda as the shared recovery plan.	Consistent with RCW 90.71.370 (4), the Partnership, in consultation with appropriate state and local agencies, will review programs (identified in RCW 90.71.370(4)(b)) that fund activities that contribute to Action Agenda implementation. The Partnership will make recommendations to the Governor and Legislature regarding program changes, including proposed legislation to implement the recommendation. The scope of review will include: evaluating types of projects and funding levels, contribution of the program to meeting Vital Sign targets, funding criteria that emphasizes Action Agenda priorities in decision-making, and assessment of ways to make programs and funding approaches more strategic in implementing the Action Agenda. The report to Governor and Legislature completed by June 2014.	initiates review (August 2012). Milestone 2: ECB develops comprehensive strategy (December 2012). Milestone 3: ECB identifies cost effectiveness pilot programs (March 2013). Milestone 4: Leadership Council 2nd annual review (June 2013). Milestone 5: ECB receives draft pilot program study results (September 2013). Milestone 6: Leadership Council receives draft report (January 2013) Milestone 7: Report to Governor and legislature (June 2014).		Partnership	
D	1.2 Maintain and update the Action Agenda as the shared recovery plan.	3 <sup>85</sup>	Alignment with Strategic Initiatives. PSP will align agency resources and effort with implementation of the strategic initiatives.	Milestone 1: In October 2012 PSP will report to the Leadership Council on progress and plans to align agency efforts and resources with strategic initiatives.	Soundwide	Puget Sound Partnership
D	<b>2</b>	<b>Support and build strategic, collaborative partnerships</b>				
D	2.1 Advance the coordination of local recovery actions via local integrating organizations.	HC 1 <sup>86</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	Local	HCCC
D	2.1 Advance the coordination of local recovery actions	HC 5 <sup>87</sup>	HCCC Climate Change Symposium. By June 30, 2013, HCCC will convene a climate change	Convene symposium by June 2013. Based on results of this	Local	HCCC

<sup>85</sup> Completed.

<sup>86</sup> Updated.

<sup>87</sup> Updated.

Strategy	Sub-Strategy		Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	via local integrating organizations.		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.	symposium, HCCC will identify high priority adaptation strategies.			
<b>D</b>	<u>2.1</u> Advance the coordination of local recovery actions via LIOs.	<u>SC1</u>	<p><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.</p> <ul style="list-style-type: none"> <li>• <u>Sharing approaches to developing and implementing policies, regulations, and incentives.</u></li> <li>• <u>Developing model ordinances.</u></li> <li>• <u>Identifying and developing incentive programs.</u></li> <li>• <u>Promoting funding and technical assistance for updating, adopting and implementing policies and regulations.</u></li> <li>• <u>Promoting education and outreach through ECO Net.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>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.</u></li> <li>• <u>In 2015, recommend ways to incorporate findings into state and local policies and regulations.</u></li> </ul>	Local	LIO	
<b>D</b>	<u>2.1</u> Advance the coordination of local recovery actions via LIOs.	<u>HC1</u>	<p><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 restoration in Hood Canal and will include 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.</p>	<ul style="list-style-type: none"> <li>• <u>By spring 2014, HCCC will complete development of Phase I of the IWP website and will publicly launch the site.</u></li> <li>• <u>By fall 2015, HCCC will publish the first State of Hood Canal report based on measuring 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></li> <li>• <u>By fall 2015, HCCC will develop a set of new or revised near-term actions and performance measures based</u></li> </ul>	Local	LIO	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			on the final IWP for incorporation into the 2016 Action Agenda using the Open Standards for Conservation method adopted by Puget Sound Partnership.			
D	2.1 Advance the coordination of local recovery actions via LIOs.	HC5 <u>HCCC climate change adaptation.</u> 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.	<ul style="list-style-type: none"> <li>By December 2014, distribute Hood Canal climate change report, summarizing the results of the conference to Hood Canal community.</li> <li>By fall 2015, incorporate climate change mitigation and adaptation strategies and actions into relevant focal components of the Integrated Watershed Plan.</li> <li>By fall 2015, incorporate climate change related indicators into relevant focal components of the Integrated Watershed Plan.</li> </ul>	Local	LIO	
D	2.2 Build and maintain collaborative partnerships with tribes to identify and advance recovery actions.	1 <sup>88</sup> Tribal Habitat Priorities. PSP will identify work plans and propose future updates to the Action Agenda to address priority work in the Tribal Habitat priorities on page 93 of the Action Agenda.	<p>Milestone 1: By October 2012 convene at PTCC meeting and review a specialized report card based on the Tribal Habitat Strategic Initiative.</p> <p>Milestone 2: By December 2012 present a work plan to identify and address outstanding issues of concern to the Leadership Council.</p>	Soundwide	Puget Sound Partnership	
D	3 Implement performance management					
D	3.1 Work collaboratively to track and report on implementation	4 <sup>89</sup> Best Practices Forums. PSP, in collaboration with Washington Sea Grant and the Local Integrating Organizations (LIOs), will convene semi-annual forums involving local	Milestone 1: Convene semi-annual forums (March 2013; September 2013, March 2014,	Soundwide	Puget Sound Partnership	

<sup>88</sup> Deleted in consultation with tribal partners – priority being addressed by other active near-term actions.

<sup>89</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	performance.	practitioners, stewardship groups and local project managers to share best practices on project implementation, monitoring and performance measurement. The first of the forums will begin by March 2013. Subsequent forums will provide an opportunity to share standardized monitoring techniques and protocols as well as other topics identified by participants that would assist them in implementing and evaluating projects.	September 2014). Milestone 2: By June 2013, publish technical memorandum describing methods of assessing pressures on the Puget Sound ecosystem.			
D	3.2 Work collaboratively to report on recovery progress.	<sup>90</sup> <b>Best practices forums.</b> PSP, in collaboration with Washington Sea Grant and the LIOs, will convene semi-annual forums involving local practitioners, stewardship groups and local project managers to share best practices on project implementation, monitoring and performance measurement. The first of the forums will begin by December 2012. Subsequent forums will provide an opportunity to share standardized monitoring techniques and protocols as well as other topics identified by participants that would assist them in implementing and evaluating projects.	<ul style="list-style-type: none"> <li>In March 2013, September 2013, March 2014, and September 2014, convene a second semi-annual forums. Add participants to the base of practitioners by 20% year on year.</li> </ul>	Soundwide	PSP	
D	4	Coordinate and advance science and monitoring				
D	4.1 Oversee strategic planning for Puget Sound recovery science.	<sup>91</sup> Adaptive Framework and Cycle Develop the PSP adaptive management framework and technical tools to assist in the steps of the adaptive management cycle.	Milestone 1: By December 2012, publish technical memorandum describing PSP's adaptive management framework. Milestone 2: By June 2013, publish technical memorandum describing methods of assessing pressures on the Puget Sound ecosystem.	Soundwide	Puget Sound Partnership	
D	4.2 Implement a coordinated, integrated ecosystem	No near-term actions. Work is focused on implementation of ongoing programs.				

<sup>90</sup> Completed.

<sup>91</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	monitoring program.					
<u>D</u>	4.2 <u>Implement a coordinated, integrated ecosystem monitoring program.</u>	ISL10 <b><u>Develop and implement a stormwater monitoring program.</u></b> Island County will enhance its stormwater monitoring program to address stormwater discharges from the built environment. The monitoring is intended to focus community attention on source identification and key areas of concern. Based on the monitoring data, technical assistance will be provided to landowners.	<ul style="list-style-type: none"> <li>• Nutrient loading during storm events at outfalls and in streams (identified in watershed prioritization).</li> <li>• Decrease in percentage of 303d-listed impaired waters in Island County.</li> <li>• Net increase in recreational shellfish harvest area.</li> </ul>	Local	Island County Department of Natural Resources	
<u>D</u>	4.2 <u>Implement a coordinated, integrated ecosystem monitoring program.</u>	SJI3 <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>• By December 2015, identify and prioritize indicator species to track in relation to oil spills.</li> </ul>	Local	San Juan County Marine Resources Committee	<u>UW Friday Harbor Labs, Salmon Recovery San Juan Lead Entity, intertidal monitoring by citizens and students</u>
<u>D</u>	4.2 <u>Implement a coordinated, integrated ecosystem monitoring program.</u>	SJI8 <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>• 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.</li> <li>• 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.</li> <li>• By June 2014, prepare management plans for focus</li> </ul>	Local	San Juan County Public Works Stormwater Utility	<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>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			basins to manage existing runoff from public streets and lots. Develop mitigation strategies for ferry parking lots.			
<b>D</b>	4.2 <u>Implement a coordinated, integrated ecosystem monitoring program.</u>	<u>SJI12</u> <b>Continue development of Salmon Recovery Adaptive Management and Monitoring Plan (Near Term Shoreline Action IV).</b>	<ul style="list-style-type: none"> <li>● <u>By June 2014, draft Adaptive Management and Monitoring 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.</u></li> <li>● <u>In 2015, start monitoring implementation.</u></li> </ul>	Local	<u>San Juan Islands LIO</u>	<u>San Juan County Lead Entity, San Juan County Marine Resources Committee</u>
<b>D</b>	4.2 <u>Implement a coordinated, integrated ecosystem monitoring program.</u>	<u>WC25</u> <b>Continued funding for shoreline monitoring programs in Kitsap and Pierce Counties. 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).</b>	<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</u></li> </ul>	Local	<u>Kitsap Public Health District and Tacoma-Pierce County Health Department</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<ul style="list-style-type: none"> <li><u>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> <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	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.	No near-term actions. Work is focused on implementation of ongoing programs.				
D	5.2	Collaboratively develop and promote science-based targeted communications and behavior change strategies across the region.	1	<b>Strategic social marketing frameworks.</b> PSP works with partners to develop strategic social marketing frameworks to support soundwide behavior change initiatives by conducting, synthesizing and disseminating formative research relative to the adoption of specific priority practices.	<ul style="list-style-type: none"> <li>● <del>Milestone 1: By June 2012, formative research on at least two practices is underway.</del></li> <li>● <del>Milestone 2: By June 2012</del> <u>July 31, 2014</u>, formative research on at least <u>five regional model BMP programs</u> <del>eight practices</del> is underway.</li> <li>● <del>Milestone 3: By December 2012, social marketing</del></li> </ul>	Soundwide	PSP

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
			<p>framework guidance on two BMPs disseminated to partners.</p> <ul style="list-style-type: none"> <li>● <u>Milestone 4: By July 2015, disseminate social marketing framework guidance on at least five regional model BMP programs June 2014, social marketing framework guidance on all eight BMPs disseminated to partners.</u></li> <li>● <u>By July 2014, formative research on at least ten local social marketing projects is underway.</u></li> <li>● <u>By April 2015, complete at least ten local social marketing projects.</u></li> <li>● <u>By July 2015, disseminate social marketing framework guidance on at least ten local social marketing projects to partners.</u></li> </ul>			
<b>D</b>	5.2 <u>Collaboratively develop and promote science-based targeted communications and behavior change strategies across the region.</u>	SNST11 <b>Coordinated education and outreach leading to behavior change.</b> Snohomish County, together with local and regional partners, will develop a prioritized list of BMPs to promote through education and outreach programs. <u>Implement strategies that target specific audiences and use targeted messages to achieve awareness and meet behavior change goals. The following programs will be considered.</u> <ul style="list-style-type: none"> <li>● <u>Forest stewardship and sustainable agriculture.</u></li> <li>● <u>Riparian solutions program. Community and youth education/outreach program. Stormwater management training.</u></li> <li>● <u>Nearshore and bluff behavior change outreach (WSU Extension) Connection of upland farmers with shellfish farmers to</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> <li>● <u>In 2015, conduct nearshore and bluff landowner</u></li> </ul>	Local	Snohomish-Stillaguamish LIO	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 Community

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<p><u>discuss clean water for safe shellfish harvest and consumption.</u></p> <ul style="list-style-type: none"> <li>• <u>Development and implementation of multiparty integrated water quality themed education and behavior change programs to address shellfish protection.</u></li> </ul>	<p><u>workshops and distribute an updated Guide for Shoreline Living.</u></p> <ul style="list-style-type: none"> <li>• <u>In 2015, Snohomish Marine Resources Committee will host a meeting/field trip for upland farmers and shellfish farmers.</u></li> <li>• <u>During 2014–2015, 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>• <u>During 2014–2016, 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>• <u>In 2015, identify the needs of participating homeowners through the pollution identification and correction program as a follow-up to corrective actions.</u></li> </ul>			<u>College, and Marine Resources Committee</u>
D	5.3	<p>Enable and encourage residents to take informed stewardship actions addressing infiltration, pollution reduction, habitat improvement, forest cover, soil development, critical areas, reductions in</p>	<p>D5.3.1 <b>Stewardship BMPs for stewardship and tree planting.</b> PSP and partners analyze two priority BMPs as early-action initiatives. Complete five regional model programs addressing those priority BMPs by July 2015.:</p> <p>(1) residential pesticide reduction/elimination, and (2) tree planting, canopy cover, and soil health, as identified in STORM's Tier 2 BMPs. If warranted, regional</p>	<ul style="list-style-type: none"> <li>• <u>By June 2015, complete Model Stewardship Program for derelict vessels.</u></li> <li>• <u>By June 2015, complete Model Stewardship Program for residential pesticides.</u></li> <li>• <u>By June 2015, complete Model Stewardship Program for small business spill</u></li> </ul>	Soundwide	PSP

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	shoreline armoring, and specific actions identified in sub-strategy D5.1.	<del>behavior change strategies would be developed and launched for implementation with local partners.</del>	<p><del>control.</del></p> <ul style="list-style-type: none"> <li><del>By June 2015, complete <u>Model Stewardship Program for bacterial source control on marine shorelines in priority shellfish areas.</u></del></li> <li><del>By June 2015, complete <u>Model Stewardship Program for bacterial source control on distributary channels in priority shellfish areas.</u></del></li> </ul> <p><del>Milestone 1: By August 2012, formative research on Residential Pesticides is completed.</del></p> <ul style="list-style-type: none"> <li><del>Milestone 2: Residential Pesticides: By December 2012, if initiative is warranted, pilot program would be launched.</del></li> <li><del>Milestone 3: Residential Pesticides: By April 2013 evaluation will be underway.</del></li> <li><del>Milestone 4: Tree planting, canopy cover, and soil health: By March 2013 program strategy developed.</del></li> </ul> <p><del>Milestone 5: By March 2013, tree planting, canopy cover, and soil health program strategy developed. Milestone 6: Tree planting, canopy cover, and soil health: Grants and contracts to fund work issued by June 2013.</del></p> <ul style="list-style-type: none"> <li><del>Milestone 7: Tree planting, canopy cover, and soil health: evaluation underway by Decemb</del></li> </ul>			
D	5.4 Improve effectiveness of local and regional awareness-building and behavior change programs	No near-term actions. Work is focused on implementation of ongoing programs.				

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	through vetted messages, proven strategies and outcome-based evaluation. Guide partners in use of formative research and diffusion of priority BMPs.					
D	5.5	Enhance resources to sustain and expand effective behavior change and volunteer programs that support Action Agenda priorities and that have demonstrated, measurable outcomes.	No near-term actions. Work is focused on implementation of ongoing programs.			
D	5.6	Create a repository of market, social, and audience research to support stewardship work. Include research and data from local, state, and federal governments, nonprofit, and private sector sources. Synthesize and disseminate to partners.	No near-term actions. Work is focused on implementation of ongoing programs.			
D	5.7	Review practices and issues that require solutions beyond the Puget Sound region such as automotive, manufacturing and distribution of toxins, and pharmaceutical waste management. Develop strategies and partnerships outside the Puget Sound region to address issues.	No near-term actions. Work is focused on implementation of ongoing programs.			
<b>D</b>	<b>6</b>	<b>Build issue awareness and understanding to increase public support and engagement in recovery actions</b>				
D	6.1	Implement a long-term, 1	Phase 2 of Puget Sound Starts Here. PSP and	• Milestone 1- By July 2014,	Soundwide	PSP

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	highly visible, coordinated public-awareness effort using the Puget Sound Starts Here brand to increase public understanding of Puget Sound's health, status, and threats. Conduct regionally-scaled communications to provide a foundation for local communications efforts. Conduct locally-scaled communications to engage residents in local issues and recovery efforts.	partners implement Phase 2 of Puget Sound Starts Here campaign. PSP, STORM, and Ecology ensure that messages reflect the demography, regional identity and issues facing the Puget Sound.	<p>BMP content revised. <del>November 2012, mass media content developed.</del></p> <ul style="list-style-type: none"> <li>● <del>Milestone 2: By July 2016, complete two rounds of micro grants to local organizations to disseminate the PSSH brand.</del></li> <li>● <del>By July 2015, complete an analysis of campaign status including media strategy, brand awareness, and audiences reached.</del></li> <li>● <del>By July 2015, campaign achieves 50% brand awareness among Puget Sound's 4.5 million residents. October 2012, web and social media developed and launched.</del></li> <li>● <del>Milestone 3: By May 2013, television media launched.</del></li> <li>● <del>Milestone 4: By July 2015, campaign achieves 50% brand awareness among Puget Sound's 4.5 million residents.</del></li> </ul>			
D	6.2 Incorporate and expand Puget Sound related content in diverse delivery settings (e.g., recreation, education institutions, local government, neighborhood and community groups, nonprofit organizations, businesses). Connect residents with public engagement and volunteer programs.	No near-term actions. Work is focused on implementation of ongoing programs.				
D	<u>6.3</u> <u>Incorporate Puget Sound place-based content into K-12 curricula throughout</u>	<u>1</u>	<u>-K-12 curricula. Incorporate Puget Sound place-based content into K-12 curricula by continuing to support existing partnerships</u>	● <u>By July 2016, at least 50 school districts in Puget Sound have place-based</u>	<u>Soundwide</u>	<u>Pacific Education</u>

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	<u>the Puget Sound region. Connect schools with technical assistance, inquiry-based learning opportunities, and community resources. Implement student service projects connected to ecosystem recovery. Link schools to organizations with structured volunteer opportunities.</u>	<u>with teachers, curriculum directors and school leaders, and developing new partnerships with additional Puget Sound school districts.</u>	<u>education programs.</u> <ul style="list-style-type: none"> <li>• <u>By July 2016, minimum of 120 classrooms and 5,000 students will conduct Puget Sound Action Projects.</u></li> <li>• <u>By July 2016, at least eight regional trainings for ECO Net members will prepare a minimum of 160 informal educators to work effectively.</u></li> </ul>		<u>Institute</u>	
D	6.4 Foster a long-term sense of place among Puget Sound residents. Encourage direct experiences with Puget Sound's aquatic and terrestrial resources through recreation, informal learning, and public access sites.	No near-term actions. Work is focused on implementation of ongoing programs.				
D	6.5 Build awareness of stewardship-building efforts among elected officials, executive staff, funders, resource managers, and others with resource allocation ability. Emphasize program roles, needs, relationship with other Action Agenda strategies and program outcomes.	No near-term actions. Work is focused on implementation of ongoing programs.				
D	<u>6.5 Build awareness of stewardship-building efforts among elected officials, executive staff, funders, resource managers, and others with resource allocation</u>	<u>SNST9 Fisheries/watershed ecology education for officials and decision-makers. 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,</u>	<u>• By June 2014, determine what information stakeholders, such as the Stillaguamish Watershed Council members, feel is important for elected officials.</u> <ul style="list-style-type: none"> <li>• <u>By June 2014, determine what</u></li> </ul>	<u>Local</u>	<u>Sound Salmon Solutions</u>	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	ability. Emphasize program roles, needs, relationship with other Action Agenda strategies and program outcomes.	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.	<p>information elected officials require to make decisions that will improve the health of Puget Sound and allow salmon recovery.</p> <ul style="list-style-type: none"> <li>• By September 2014, develop curriculum, making use of prior efforts where applicable.</li> <li>• By December 2014, review and refine curriculum with the members of the Stillaguamish Watershed Council Stewardship Committee.</li> <li>• By June 2015, publicize and promote the Salmon Savvy-branded curriculum with elected officials.</li> <li>• In 2015, hold classes with 10 to 15 officials to test curriculum and get feedback.</li> <li>• By December 2015, finalize curriculum.</li> </ul> <p>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.</p>			
<b>D</b>	<b>7</b>	<b>Build social and institutional infrastructure that supports stewardship behaviors and removes barriers</b>				
D	7.1	Apply appropriate social science to Puget Sound recovery to increase clarity and effectiveness of targeted actions, audiences, opportunities, strategies, and evaluation metrics.	No near-term actions. Work is focused on implementation of ongoing programs.			
D	7.2	Build capacity among partner organizations to advance priority	1	<b>Behavior Change Program Guidance.</b> PSP provides uniform guidance for partners conducting behavior change programs to (1)	• By December 2015, complete at least six training opportunities for local and	Soundwide PSP

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	stewardship actions. Provide technical support and training to advance program effectiveness, evaluation, and support of Action Agenda priorities.	enhance priority practices, (2) ensure that <u>programs intended to address these priority practices are based on proven methods, (3) incorporate the necessary formative research to help programs achieve desired outcomes, and (4) incorporate effective evaluation strategies.</u> <del>BMPs for stewardship and tree planting.</del> PSP and partners analyze two priority BMPs as early action initiatives: (1) residential pesticide reduction/elimination, and (2) tree planting, canopy cover and soil health, as identified in STORM's Tier 2 BMPs. If warranted, regional behavior change strategies would be developed and launched for implementation with local partners.	regional partners. <ul style="list-style-type: none"> <li>By July 2015, develop and disseminate guidance for partners.</li> <li><del>Milestone 1: By September 2012, guidance and policies for Model Stewardship Program Grants developed.</del></li> <li>Milestone 2: By December 2012, non-grant guidance for partners developed.</li> </ul>			
D	7.3 Maintain centralized capacity to sustain and enhance the regional Puget Sound Starts Here campaign.	No near-term actions. Work is focused on implementation of ongoing programs.				
D	7.4 Provide public information 1 conduits connecting individuals to local activities, resources and decision-making processes—including cost-share programs, technical assistance, volunteer experiences and ways to engage in civic structures and processes.	<b>Citizen Action Training School.</b> PSP and grantee(s) establish a Citizen Action Training School to 1) build awareness of Puget Sound issues and related governmental structures and processes, and 2) increase citizen participation in local, state and federal decision-making processes affecting Puget Sound.	<ul style="list-style-type: none"> <li><del>Milestone 1: Program launched by December 2012.</del></li> <li><del>Milestone 2: By July 2015, six</del> <u>five</u> iterations of the program completed; a minimum of <del>150</del> <u>125</u> community leaders trained; <del>7,500</del> <u>6,200</u> hours invested in resulting community projects; and written curricula on effective civic engagement disseminated for <u>ECO Net memberpartner</u> use.</li> </ul>	Soundwide	PSP	
D	7.5 Enhance strategic networks and tools that support stewardship partners and outcomes; including ECO Net, STORM, The Northwest Straits Initiative and Marine Resource Committees, tribes,	No near-term actions. Work is focused on implementation of ongoing programs.				

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
	municipalities not covered by stormwater permits, public agencies, funders, universities, NGOs and others.					
D	7.6 Work regionally and locally to remove implementation barriers (e.g., physical, economic, regulatory, enforcement, policy), and enable and incentivize adoption of stewardship actions.	No near-term actions. Work is focused on implementation of ongoing programs.				
E	<b>1 Funding Strategy</b>					
E	1.1 Maintain and enhance federal funding for implementation of Action Agenda priorities. 1	<b>Puget Sound Recovery Act passage.</b> PSP to continue work with Washington, coastal, and other key delegation staff to encourage passage of the Puget Sound Recovery Act by December <del>30</del> <u>31, 2014</u> <u>2016</u> .	<ul style="list-style-type: none"> <li>● <del>Milestone 1: Not likely to be passed in the 112th Congress. If not passed during 112th session of Congress: By February 2013, meet with key Washington delegation members to ensure House and Senate champions have been secured for bill in the 113th session.</del></li> <li>● <del>Milestone 2: If not passed during 112th session of Congress: Meet with House and Senate champions, pertinent committee members on a quarterly or more frequent basis, as needed, to provide information and gain updates on progress for passage.</del></li> <li>● <del>Milestone 3: If not passed during 112th session of Congress: By March 2014, testify and provide information to Congress for committee hearings</del><u>Not likely to be passed in the 113th Congress. If not passed during</u></li> </ul>	Soundwide	PSP	

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<p>113<sup>th</sup> session of Congress: By February 2015, meet with key Washington delegation members to ensure House and Senate champions have been secured for bill in the 113th session.</p> <ul style="list-style-type: none"> <li>Encourage passage of the Puget Sound Recovery Act by December 31, 2016</li> </ul>				
E	1.1 Maintain and enhance federal funding for implementation of Action Agenda priorities.	2	<p><b>Pacific coast salmon recovery funds.</b> Increase Pacific Coast Salmon Recovery Fund and other federal habitat protection and restoration funding sources to implement Puget Sound Chinook Recovery plan. PSP, in collaboration with the PSSRC, the Recreations and Conservation Office, the WDFW, and the Northwest Indian Fisheries Commission will craft and lead an outreach strategy to increase secure funding necessary to implement the Puget Sound Chinook Recovery plan's protection and restoration priorities by Pacific Coast Salmon Recovery Funds with goal of securing federal funds from multiple agency sources to leverage local and state dollars, to fully fund the match towards goal of fully funding the Puget Sound Chinook Salmon Recovery plan at \$120M per year. Federal habitat and restoration funding sources include NOAA, USFWS, and EPA agency programs among other, with special focus on the NOAA - Pacific Coast Salmon Recovery Fund.</p>	<ul style="list-style-type: none"> <li><b>Milestone 1-</b> By October 2012<del>4</del>, hold four meetings and briefings with key decision-makers within federal government to influence federal fiscal year 2013<del>5</del> appropriations and fiscal year 2014<del>6</del> budget formulation to increase federal share towards meeting \$120M per year funding target.</li> <li><b>Milestone 2-</b> By October 2013<del>5</del>, provide four briefings and in-state field visits with key decision-makers within the federal government to provide status of update to the Puget Sound Chinook Recovery Plan funding estimate and ways to incorporate into federal fiscal year 2015<del>6</del> budget process.</li> </ul>	Soundwide	PSP	PSSRC
E	1.2 Focus federal agency budgets and national programs on Action Agenda priorities.	1	<p><b>Farm Bill and water quality.</b> PSP will work with NRCS and Partners to identify and increase funding to Puget Sound through the Farm Bill to improve water pollution prevention efforts and habitat protection and restoration efforts in rural areas in this biennium. Partners will also develop a system to identify and track both the need and completed requests for these programs in</p>	<ul style="list-style-type: none"> <li><b>Milestone 1-</b> Meet with federal and state partners twice a year to direct partner funds to strategic areas.</li> <li><b>Milestone 2-</b> Follow up and facilitate, if needed, the efficient allocation of funds to on-the-ground efforts of the agricultural community with a</li> </ul>	Soundwide	PSP	Natural Resources Conservation Service

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		the NRCS PRISM database	target to allocate funds in each calendar year. <ul style="list-style-type: none"> <li>Partners will develop a system to identify and track both the need and completed requests for these programs in the NRCS PRISM database by December 31, 2014.</li> </ul>			
E	1.2 Focus federal agency budgets and national programs on Action Agenda priorities.	<sup>292</sup> DOD Readiness and Environmental Protection PSP to convene at least three meetings with DoD installations by March 2013. These meetings will focus on strategic planning and outreach with public officials and local stakeholders in support of DOD (Navy base Kitsap and JBLM) and state, federal and NGO partners collaborating on habitat and funding needs with goals of expanding the Dept of Defense Readiness and Environmental Protection Initiative (REPI) within Puget Sound. The goal of this work is to protect and restore increased ecosystem function that are related to the ability of DOD entities to accomplish their missions, preserve native biodiversity and advance species recovery.	Milestone 1: By August 2012 outreach materials will be crafted by PSP and USFWS that delineate timelines, priority actions for proactively addressing encroachment related to potential ESA listings and funding strategy for resourcing an Integrated Conservation Team to focus on species recovery while abating restrictions to JBLM and the South Sound's economic development. Milestone 2: By July 2013 convene at least 3 meetings with Navy, agencies and NGO partners collaborating on Hood Canal to share criteria for each entity's decision-making, prioritize and align acquisition needs and document acquisition and funding strategies for REPI, matching funding and other sources.	Soundwide	Puget Sound Partnership	Department of Defense
E	1.3 Maintain, enhance, and focus state funding for implementation of Action Agenda priorities.	<sup>493</sup> Stormwater Priorities PSP and Ecology work with partners to increase funding through Section 319(h) Nonpoint Source Grants, Clean Water State Revolving Fund, and Ecology Performance Partnership Grants to	Milestone 1: By January 2014 use data from the Stormwater Needs Assessment and the ECB Funding committee to craft funding strategy and outreach	Soundwide	Puget Sound Partnership	Department of Ecology

<sup>92</sup> Completed.

<sup>93</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		address stormwater priorities by April 2014.	materials to inform decision-makers about the priorities, amounts and types of state and federal government investments required to help share the burden of costs so that we can adequately address the scope of stormwater problems and meet related 2020 ecosystem recovery targets.			
E	1.3 Maintain, enhance, and focus state funding for implementation of Action Agenda priorities.	2 <b>Puget Sound Acquisition and Restoration Fund.</b> PSP, in collaboration with the PSSRC and the Recreation and Conservation Office, will craft and lead an outreach strategy to renew and increase Washington state's Puget Sound Acquisition and Restoration Fund with a goal of securing state match towards goal of fully funding the Puget Sound Chinook Salmon Recovery Plan at \$120M per year by December 2015 <sup>4</sup> .	<ul style="list-style-type: none"> <li>● <b>Milestone 1:</b> By October 2015, hold four meetings and briefings or field visits with key decision makers to educate them about Puget Sound acquisition and restoration opportunities and the funding levels needed to do the work.</li> </ul>	Soundwide	PSP	PSSRC
E	1.3 <del>Maintain, enhance, and focus state funding for implementation of Action Agenda priorities.</del>	<sup>94</sup> <del>State Funding. PSP will work closely with state, local and private partners to pursue state legislation or other mechanisms to provide adequate funding for critical water quality including O&amp;S management and habitat protection and restoration programs through June 2014.</del>	<ul style="list-style-type: none"> <li>● <del>Milestone 1: Proposal complete by August 2012 to be included in Governor's 2013-15 Biennial Budget request. Milestone 2: Proposal enacted in legislature. Proposal enacted by Legislature in the 2013-15 Biennial Budget.</del></li> </ul>	Soundwide	Puget Sound Partnership	
E	1.3 <u>Maintain, enhance, and focus state funding for implementation of Action Agenda priorities.</u>	SC10 <b>Support restoration of the voter approved local Model Toxics Control Account.</b> <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 other grants to expedite cleanups.</u></li> <li>● <u>Educate and promote the protection of the Local Toxics Control Account and identify.</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 2014<sup>6</sup>.</u></li> <li>● <u>By December 2015, hold a forum on opportunities for acquisition and redevelopment of vacant, orphaned, or abandoned property.</u></li> </ul>	Local	LIO	Ecology

<sup>94</sup> Completed.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
		<p><u>Opportunities for acquisition and redevelopment of vacant, orphaned, or abandoned property.</u></p> <p><u>Key partner for these efforts: Ecology.</u></p>					
E	1.4 Maintain and enhance local funding for implementation of Action Agenda priorities.	1	<p><b>Local funding mechanism.</b> PSP, working with the ECB funding committee, will lead the development of a legislative strategy to adopt a funding mechanism <u>for the three strategic initiatives (habitat, stormwater, and shellfish)</u>, which local governments around <u>the Puget</u> Sound could elect to use to address Puget Sound recovery priorities.</p>	<ul style="list-style-type: none"> <li>• <del>Milestone 1: By October 2014, PSP to convene a subcommittee of the ECB to form the coalition and develop a work plan that uses data on costs for Action Agenda implementation, funding gaps and will result in new proposals to fill funding gaps and efficiently use current financial resources.</del></li> <li>• Milestone 2: PSP, ECB, and coalition members review funding needs for an integrated package of stormwater, habitat, and other water quality investments needed to carry out the Puget Sound recovery priorities and make recommendations regarding the establishment of additional funding mechanisms (consider scale, capacity of different mechanisms). Review and recommendations should build on research and recommendations from Central Puget Sound WRIAs regarding watershed-based funding mechanisms. In June <del>2012-2014</del> (June 2012), the Executive Director of PSP should present recommendations to the Leadership Council.</li> <li>• <del>Milestone 3: By November</del></li> </ul>	Soundwide	PSP	ECB

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
E	1.4 Maintain and enhance local funding for implementation of Action Agenda priorities.	<sup>295</sup> Rate Study of Special Purpose Districts PSP will conduct a rate study of local special purpose districts to determine the relative amounts being raised by local governments to address recovery priorities compared to total potential that could be raised using existing funding mechanisms.	<del>2012</del> 2014, build support for and introduce any legislation recommended in June <del>2012</del> 2014 in the 201 <del>3</del> 5 legislative session. Milestone 1: PSP will conduct a rate study of local special purpose districts to determine the relative amounts being raised by local governments to address recovery priorities compared to total potential that could be raised using existing funding mechanisms.	Soundwide	Puget Sound Partnership	
E	1.4 <u>Maintain and enhance local funding for implementation of Action Agenda priorities.</u>	SC12 <b><u>Secure additional funding necessary to implement priority fish and wildlife habitat and high-value aquatic habitat area enhancement projects.</u></b> Provide input to the PSP's work to develop a <u>gap analysis and funding strategy for implementation of the Action Agenda, including the following:</u> <ul style="list-style-type: none"> <li>• <u>Articulate need for better funding coordination of habitat, water quality, and flood investments at a watershed level.</u></li> <li>• <u>Describe specific financial needs and challenges of urbanized watersheds in protecting and restoring habitat and in prioritizing and carrying out stormwater retrofits.</u></li> <li>• <u>Involve research and analysis conducted by WRIAs 8 and 9 on watershed funding options and models.</u></li> <li>• <u>Provide examples of successful watershed-based decision-making models and successful multi-benefit projects that help "tell the story."</u></li> <li>• <u>Provide the WRIA 9 issue paper on</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>By December 2014, identify large-scale habitat restoration projects for the next round of Puget Sound Acquisition and Restoration.</u></li> <li>• <u>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.</u></li> <li>• <u>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.</u></li> </ul>	Local	LIO	

<sup>95</sup> Does not reflect current direction; ECB Funding Subcommittee focus has shifted to the Strategic Initiatives.

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)
		<p><u>watershed investment concepts for consideration.</u></p> <ul style="list-style-type: none"> <li>● <u>Provide input on state legislative proposals for potential new watershed-based governance structures and funding authorities.</u></li> <li>● <u>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.</u></li> <li>● <u>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.</u></li> <li>● <u>Support WRIAs 8, 9, and 10 in maintaining and refining the 3-year list of habitat protection and restoration implementation priorities.</u></li> <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>	1.4	<p><u>Maintain and enhance local funding for implementation of Action Agenda priorities.</u></p> <p>SS4</p>	<p><b>NPDES municipal stormwater permit implementation funding strategy development.</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></p>	<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</u></li> </ul>	Local	LIO

Strategy	Sub-Strategy	Near-Term Action	Performance Measures	Type	Owner	Secondary Owner(s)	
			<p>included in a funding strategy that includes an agreed upon balance of local, state, and federal funding.</p> <ul style="list-style-type: none"> <li>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.</li> </ul>				
E	1.5	Develop opportunities for private sector and philanthropic funding for implementation of Action Agenda priorities.	1	<p><b>Coordination with philanthropic community.</b> PSP will coordinate with the philanthropic community to encourage collaboration on implementation of highest priority actions in the Action Agenda.</p> <ul style="list-style-type: none"> <li><del>Milestone 1: Through June 2014-2016, hold two meetings per year with major philanthropic donors to provide outreach about Puget Sound priorities and progress, philanthropic needs and roles of partners.</del></li> </ul>	Soundwide	PSP	
E	1.6	Develop and implement market-based mechanisms for implementation of priorities in the Action Agenda	1 <sup>96</sup>	<p><b>Compensatory mitigation programs.</b> PSP to provide assistance, where necessary, on the development of in-lieu-fee compensatory mitigation programs in Hood Canal, Pierce County and Thurston County. HCCC is working with partners in this process and will be in position to implement high priority actions from the in-lieu-fee program. PSP will work with the HCCC to track implementation progress and achievement of outcomes.</p> <ul style="list-style-type: none"> <li><del>Milestone 1: By June 2012, complete in-lieu-fee program.</del></li> <li><del>Milestone 2: By December 30, 2012, Pierce County, and Thurston County programs adopted.</del></li> <li><del>Milestone 3: For 2013 and beyond, HCCC, working with its partners in this process, will be in position to implement high priority actions from the in-lieu-fee program.</del></li> </ul>	Soundwide	PSP	U.S. Navy

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; ESRP = Estuary and Salmon Restoration Program; 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

<sup>96</sup> Completed; subsequent efforts incorporated at a program level.

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.