

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

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
|----------|--------------|---|---|---|--------------------|---------------------|
| A | 1 | Focus land development away from ecologically important and sensitive areas | | | | |
| A | 1.1 | Identify and prioritize areas for protection, restoration, and best suitable for (low impact) development. ¹ | 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"> 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) | Ecology | Commerce |
| A | 1.1 | Identify and prioritize areas for protection, restoration, and best suitable for (low impact) development. ² | 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"> Web-based tool completed by Dec 2012 | PSI | |
| 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 | Land use planning barriers, best management practices, and example policies. 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 | <ul style="list-style-type: none"> By December 20122015, 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. | Ecology | Commerce Ecology |

¹ Completed.

² Completed.

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| | | density, water quality standards, redevelopment, and rural lands protection. Ecology-Commerce and Commerce-Ecology 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. | | | |
| 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 ³ | 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"> 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. | 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 ⁴ | Fund local Growth Management Act comprehensive plan updates. Commerce will seek funding to assist local governments in conducting Growth Management Act comprehensive plan updates. | <ul style="list-style-type: none"> In 2015, secure funding. By June 2015 and June 2016, provide funding for Puget Sound area jurisdictions to complete their Growth Management Act comprehensive plan updates. | Commerce | |
| A | 1.3 Improve, strengthen, and streamline implementation and enforcement of laws, plans, regulations, and permits consistent with protection and recovery targets. 1 | 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 | <ul style="list-style-type: none"> 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 | ECBPSSRC | |

³ Completed.

⁴ Proposed follow-on for completed A1.2.2.

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| | | | <p><u>effective oversight and mitigation sequencing for activities that impact the ecosystem.</u></p> <ul style="list-style-type: none"> • <u>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.</u> | | |
| A | 2 | Protect and restore upland, freshwater, and riparian ecosystems | | | |
| A | 2.1 | Protect and conserve ecologically important lands at risk of conversion. ⁵ | 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. | <ul style="list-style-type: none"> • DNR seeks passage by December 2013 | DNR |
| A | 2.1 | Protect and conserve ecologically important lands at risk of conversion. 2 | Updated avoidance and minimization guidance. 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. | <ul style="list-style-type: none"> • <u>By May 2016 Guidance completed.</u> complete or not. | Ecology |
| A | 2.1 | Protect and conserve ecologically important lands at risk of conversion. 3 | Port Gamble land conservation. 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 ~7,000 <u>6,700</u> acres of land near Port Gamble, including ~2.5 <u>1.5</u> miles of shoreline. | <ul style="list-style-type: none"> • Milestone 1: By August 2012, apply for state and federal funding. • Milestone 2: By March 2013, exercise option agreement. • <u>-By March 2016, coordinate funding and participation to secure conservation of 6,700 acres and 1.5 miles of</u> | Fonterra |

⁵ Completed.

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| | | | <ul style="list-style-type: none"> shoreline. ○ By February 2014, complete first acquisition of 535 acres and 1.5 miles of shoreline. (COMPLETED) ○ By April 2014, complete second acquisition of 366 acres. | | |
| A | 2.1 Protect and conserve ecologically important lands at risk of conversion. | 4 ⁶ | 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 | <ul style="list-style-type: none"> ● Discuss the issue with the ECB funding subcommittee by December 2012 and determine if a proposal should be developed. If a proposal is to be developed, new measures would be developed by February 2014 | PSP ECB |
| A | 2.2 Implement and maintain priority freshwater and terrestrial restoration projects. | 1 | Prairie and oak woodland restoration. WDFW in consultation with DNR, USFWS, and Joint Base Lewis McCord, will implement priority prairie and oak woodlands restoration projects. | <ul style="list-style-type: none"> ● Milestone 1: Maintain a prioritized list of restoration activities. Work with South Sound partners to fund the restoration activities. Update list with completed action items. | WDFW DNR, USFWS |
| A | 2.3 Implement restoration projects in urban and developed areas while accommodating growth, density, and infill development. | | No <u>Soundwide</u> near-term actions. Work is focused on implementation of ongoing programs. | | |
| A | 3 Protect and Steward Ecologically Sensitive Rural and Resource Lands | | | | |
| A | 3.1 Use integrated market-based programs, incentives, and ecosystem markets to steward and conserve private forest and agricultural lands. | 1 | Use of Agriculture Conservation Program funds. 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. | <ul style="list-style-type: none"> ● Milestone 1: By August 15, 20122015, 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> | WSCC |

⁶ Completed.

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| | | | <p>for project identification.</p> <ul style="list-style-type: none"> • Milestone 2: By Sept 30, 20122015, 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. • Milestone 3: By December 20132015, there will be a 50 percent increase in the use of the Conservation Practice Data System to link projects to funding sources. • Milestone 4: By June 201613, WSCC will work with conservation districts, Ecology, federal agencies and others to identify opportunities for improvements to agriculture conservation program funding. | | | |
| A | 3.1 Use integrated market-based programs, incentives, and ecosystem markets to steward and conserve private forest and agricultural lands. | 2 | <p>Landowner incentives for transfer of development rights and ecosystem markets. 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"> • 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. • Commerce will provide assistance to at least two additional counties with new transfer of development rights. | Ecology, Commerce | Commerce, Ecology, DNR, WSCC |
| A | 3.1 Use integrated market- | 3 ⁷ | Forest Watershed Services. DNR will support pilot | Two pilot transactions | DNR | |

⁷ Completed.

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| | based programs, incentives, and ecosystem markets to steward and conserve private forest and agricultural lands. | market transactions for delivery of watershed services from private forest landowners to downstream water beneficiaries in at least the Snohomish and Nisqually watersheds. | completed by December 2012 | | |
| A | 3.2 Retain economically viable working forests and farms. 1 | <u>Protect working forests</u> Strategy. DNR will 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 for retaining economically viable, long-term working forestlands. | <ul style="list-style-type: none"> ● <u>Milestone 1: Initiate</u> By October 2013/2014, develop collaborative strategy. | DNR | |
| A | 3.2 Retain economically viable working forests and farms. 2 | <u>Agriculture strategy</u> . PSP, in collaboration with WSDA, Ecology, WSCC, and agricultural partners will develop <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 <u>2013-2016 Action Agenda</u> . | <ul style="list-style-type: none"> ● <u>Milestone 1: By September 2012, convene an advisory committee and agree on scope and approach.</u> ● <u>Milestone 2: By July 2013/July 2014, produce a draft strategy for inclusion in the 2013-2016 draft Action Agenda.</u> ● <u>Milestone 3: In October 2013/2014, review the strategy with the Action Agenda and in at least three additional workshops with agricultural partners</u> ● <u>Milestone 4: Include the final agriculture strategy in the 2013-2016 Action Agenda update.</u> | PSP | WSDA, Ecology, WSCC |
| A | 4 | Encourage compact regional growth patterns and create dense, attractive and mixed-use and transit-oriented communities | | | |
| A | 4.1 Integrate growth, infrastructure, transportation, and conservation planning at sub-regional levels and across jurisdictions. 1 ⁸ | <u>Regional Sustainable Communities Program</u> : 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 | <ul style="list-style-type: none"> ● <u>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;</u> | Commerce | |

⁸ Completed.

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| | | by January 2013 for discussion with the Leadership Council to advance for decision making. | Commerce will develop additional milestones to advance the program by February 2013. | | |
| A | 4.1 <u>Integrate growth, infrastructure, transportation, and conservation planning at sub-regional levels and across jurisdictions.</u> | 2 ⁹ <u>Regional sustainable communities program. Commerce will work with local communities to implement Soundwide integrated regional planning that will integrate ecosystem protection, land use, transportation and housing, similar to the federal sustainable communities program.</u> | <ul style="list-style-type: none"> By December 2014, <u>implement regional planning in at least two local communities.</u> By December 2015, <u>implement in at least two additional local communities.</u> | Commerce | |
| 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 | 4.3 Enhance and expand the benefits of living in compact communities. | No near-term actions identified. | | | |
| A | 5 Protect and restore floodplain function | | | | |
| A | 5.1 Improve data and information to accelerate floodplain protection, restoration, and flood hazard management. | 1 Floodplain protection and policy team actions. 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. | <ul style="list-style-type: none"> By December 2012, 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. 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 | PSP | <u>Ecology, The Nature Conservancy</u> |

⁹ Proposed follow-on action to completed A4.1.1.

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|  | | | <p>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.</p> <ul style="list-style-type: none"> ● 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. ● 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. ● By June 2013<u>2014</u>, draft an action plan to address the programs and target programmatic recommendations for legislative change, rule amendments, and administrative changes, needed to achieve the 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. | | |

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| | | | <ul style="list-style-type: none"> By December 2014, submit final report to the Department of Ecology. | | |
| A | 5.1 Improve data and information to accelerate floodplain protection, restoration, and flood hazard management. | 2 ¹⁰ Regional floodplain vision and program. Identify the goals, capital project plans and funding needs associated with achieving PS floodplain recovery goal. | <ul style="list-style-type: none"> Report describing regional vision, goals, 10-year capital project plan and funding needs associated with achieving Puget Sound floodplain recovery goal | The Nature Conservancy | PSP, Ecology |
| A | 5.2 Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts. | 1 ¹¹ Improved permit process. Support WDFW, DOE, ACOE, USFWS, and NOAA in making changes to improve the current permit process. No near-term actions. Work is focused on implementation of ongoing programs. | <ul style="list-style-type: none"> By December 2014, secure commitments from key permitting agencies to collaborate on improvements to the permit process. By December 2015, dedicated permitting team(s) or alternate mechanism in place to support project implementation – contingent on funding | The Nature Conservancy | Ecology, PSP |
| A | 5.3 Protect and maintain intact and functional floodplains. | 1 ¹² 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 effectiveness, and on-the-ground implementation effectiveness. | <ul style="list-style-type: none"> (Status of FEMA reporting requirements) By 2012, FEMA reporting requirements are complete. | FEMA | |
| A | 5.3 Protect and maintain intact and functional floodplains. | 2 Critical areas ordinance updates on frequently flooded areas. 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. | <ul style="list-style-type: none"> By 20132015, strategy is complete. | Ecology | Commerce |
| A | 5.3 Protect and maintain | 3 ¹³ Biological opinion compliance and floodplain | <ul style="list-style-type: none"> By 2013December 2015, | PSP To be | |

¹⁰ Proposed follow-on action to A5.1.1

¹¹ Proposed follow-on action to A5.1.1

¹² Completed.

¹³ Suggest consideration by federal caucus. Completion date may need revision.

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| | intact and functional floodplains. | target. 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. | evaluation is complete. | <u>determined TBD</u> | |
| A | 5.3 Protect and maintain intact and functional floodplains. | 4 Levee vegetation. 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> This work is being done primarily through the system-wide improvement framework pilot projects being implemented by King and Whatcom counties. regional variance to their vegetation on levees policy. | <ul style="list-style-type: none"> • 2013, new language for regional variance developed and adopted. By June 2015, develop a <u>prioritized list of floodplain capital projects addressing flood risk and habitat issues and, as needed, variances for specified segments of levees.</u> | PSP | Corps |
| A | 5.3 <u>Protect and maintain intact and functional floodplains.</u> | 5 ¹⁴ Floodplain permitting assistance. Ecology and Commerce will develop policy and technical assistance programs that integrate the recommendations and requirements listed within a) <u>NMFS' National Flood Insurance Program Biological Opinion,</u> and b) <u>FEMA's National Flood Risk Information Project policy and program recommendations for implementation.</u> | <ul style="list-style-type: none"> • <u>By 2015, develop policy and technical assistance programs to integrate and implement the recommendations and requirements listed within NMFS' National Flood Insurance Program Biological Opinion and FEMA's National Flood Risk Information Project policy and program.</u> | Ecology | Commerce |
| A | 5.4 Implement and maintain priority floodplain restoration projects. | 1 Prioritization of state highways with floodplain impacts. WSDOT will identify and prioritize the state highway facilities-bridges (approximately <u>500-550 structures and 185 miles of highway</u>) that have the biggest impacts on floodplain function and connectivity, including consideration of WSDOT's 2011 Climate Impacts Vulnerability Assessment Report, by December 2014 (or 18 months after funding is obtained). | <ul style="list-style-type: none"> • Milestone 1: By June 2013, • Obtain funding for the impact analysis from the NEP Watershed grant program. • Milestone 2: Complete the analysis and present the results to the ECB and Leadership Council by December 2014. By February 2015, • Milestone 3: Within 18 months of obtaining funding, | WSDOT | <u>Ecology, PSP, The Nature Conservancy</u> |

¹⁴ Proposed follow-on action to completed A5.3.2.

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| | | | identify future actions and performance measures <u>in consideration for</u> integrating the prioritization work into the WSDOT decision-making process for repair and bridge replacement projects. <u>Target dates for milestones 2 and 3 are dependent on obtaining grant funding.</u> | | |
| A | 5.4 Implement and maintain priority floodplain restoration projects. | 2 Agricultural land ecosystem services markets. WSCC, working with conservation districts, and Watershed watershed Groups groups, and counties will have identify three pilot projects underway opportunities that demonstrate ecosystem services markets associated with flood hazard prevention and agricultural lands in floodplains. | <ul style="list-style-type: none"> • Milestone 1: By November 20122015, WSCC will have convened discussions and identified candidate areas. • Milestone 2: By December 20132015, the WSCC will identify three <u>possible</u> pilot projects demonstrating ecosystem service markets for floodplains are in place. | WSCC | |
| A | 5.4 Implement and maintain priority floodplain restoration projects. | 3 Candidate areas for land swaps. 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 and conservation districts) and identify candidate areas available to expand for agriculture outside of priority floodplain areas. | <ul style="list-style-type: none"> • Milestone 1: By December 20122015, WSCC will convene interested parties in at least two organizing meetings to identify candidate areas. • Milestone 2: By June 20132016, potential land swaps will be identified in five candidate areas available to expand for agriculture. | WSCC | |
| A | 5.4 <u>Implement and maintain priority floodplain restoration projects</u> | 4 ¹⁵ <u>Implement priority multiple-benefit floodplain restoration projects.</u> <u>Secure funding for high-priority projects listed.</u> | <ul style="list-style-type: none"> • <u>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</u> | Ecology | PSP, The Nature Conservancy |

¹⁵ Proposed follow-on action to A5.1.1

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| | | | community benefits. <ul style="list-style-type: none"> By June 2015, obtain funding to support priority projects through Ecology's Floodplains by Design grant program. | | |
| A | 5.4 Implement and maintain priority floodplain restoration projects | 5 ¹⁶ | Implement priority multiple-benefit floodplain restoration projects. Develop and initiate a regional technical team to support the development of integrated reach-scale plans and projects. | Ecology | The Nature Conservancy, PSP |
| A | 6 | Protect and recover salmon | | | |
| A | 6.1 Implement high priority projects identified in each salmon recovery 3-year work plan. | 1 | Secure annual chinook investment. 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 Fisheries Commission will develop and implement a strategy to, 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, and work to align that funding in support of the highest priority protection and restoration projects as identified by salmon recovery lead entities. This investment strategy will be developed as part of the overall Puget Sound recovery funding strategy. | PSP | |
| A | 6.1 Implement high priority projects identified in each salmon recovery 3-year work plan. | 2 | 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 | PSP | The Nature Conservancy |

¹⁶ Proposed follow-on action to A5.1.1

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| | | | 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. | <p>of habitat recovery projects is completed.</p> <ul style="list-style-type: none"> ● Milestone 2: By December 2012, PSP works with lead to complete a scope of work. ● Milestone 3: ● By December 2015, have interagency team in place assist in faster permitting of habitat recovery projects. ● 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 the barriers are in | | | |
| A | 6.1 | Implement high priority projects identified in each salmon recovery watershed's three-year work plan. | 3 ¹⁷ | 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. | <ul style="list-style-type: none"> ● 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. | PSP | |
| A | 6.2 | Implement the high priority salmon recovery actions identified in other parts of the Action Agenda and the Biennial | 1 | Implement the Puget Sound federal agency action plan. 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 | <ul style="list-style-type: none"> ● By December 2012, EPA will work with Puget Sound Federal Caucus agencies to identify priority activities from the federal action plan and | EPA | |

¹⁷ Modified over course of implementation. Expected completion in June 2014.

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| | Science Work Plan. | | 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> | 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. | | |
| A | 6.2 Implement the high priority salmon recovery actions identified in other parts of the Action Agenda and the Biennial Science Work Plan. | 2 ¹⁸ | 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 paper. | <ul style="list-style-type: none"> PSP will complete the matrix by March 2013. | PSP | |
| A | 6.3 Implement harvest, hatchery, and adaptive management elements of salmon recovery. | 1 | Implementation of hatchery actions. 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"> Co-managers will complete balance of the hatchery genetic management plans. NMFS issues permits. By August 2012, co-managers (Tribes and WDFW) complete Hatchery Genetic | WDFW and Tribes as co-managers | Tribes |

¹⁸ Approach to this action was restructured and has been enveloped in the Salmon Recovery Council regulatory exemption work. See A1.3.1.

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| | | | <p>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</p> | | |
| A | 6.3 Implement harvest, hatchery, and adaptive management elements of salmon recovery. 2 | <p>Salmon recovery monitoring and adaptive management plans. 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.</p> | <ul style="list-style-type: none"> 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. By December 2012, three monitoring adaptive management plans completed. With two months of completing each plan, implementation performance measures will be identified. By December 2015, the 16 watershed chapter frameworks will have gaps filled in for quantitative goals for salmon populations and | PSP | |

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| A | 6.4 Protect and recover steelhead and other imperiled salmonid species. | 1 ¹⁹ | 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 populations within the Puget Sound | <p>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. 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"> 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. By July 2014, six more monitoring adaptive management plans completed. With two months of completing each plan, implementation performance measures will be identified. | | |
| | | | | <ul style="list-style-type: none"> Steelhead population and identification report and viability criteria completed by July 2012. | NOAA | |

¹⁹ Completed.

| Strategy | Sub-Strategy | | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| | | | Steelhead Distinct Population Segment. | | | | |
| A | 6.4 | Protect and recover steelhead and other imperiled salmonid species. | 2 | Steelhead recovery plan. 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. These plans <u>The planning process</u> 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. | <ul style="list-style-type: none"> ● By July 2015, work with NOAA's Steelhead Recovery Team and other partners to develop a template for watershed-scale recovery plan chapters. <u>By October 2014, PSP to convene meetings to identify steelhead recovery plan lead, plan costs and funding.</u> ● <u>By July 2015, identify and secure funding to support watersheds in populating the recovery plan chapter template.</u> ● By December 2012, request for proposal out to draft chapters for populations ● <u>By September 2016, assist NOAA's Steelhead Recovery Team in preparing a draft recovery plan for the Puget Sound steelhead distinct population segment.</u> By July 2013, chapters for 2-5 populations. ● By July 2014, remaining chapters drafted. <u>By December 2014, plan submitted to</u> | PSP | SRCNOAA |
| A | 6.5 | Maintain and enhance the community infrastructure that supports salmon recovery. | 1 | Lead entity and partner funding strategy. PSP, in collaboration with the Salmon Recovery Council, <u>the Governor's Salmon Recovery Office in the Recreation and Conservation Office</u> and RCO <u>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. | <ul style="list-style-type: none"> ● Milestone 1: <u>By December 2014, strategy and approach completed.</u> | PSP | |
| A | 7 | Protect and conserve freshwater resources to increase and sustain water availability for instream flows | | | | | |
| A | 7.1 | Update Puget Sound | 1 | Set instream flows in priority watersheds. Ecology, | <ul style="list-style-type: none"> ● Done or not. | Ecology | WDFW |

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| | instream flow rules to encourage conservation | <p>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>1) Dungeness River portion of WRIA 18 (currently in progress—to be completed by 2013).</p> <p>2) WRIA 16.</p> <p>3) The western portion of WRIA 17 (Sequim Bay watershed).</p> <p>4) 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> | | | |
| A | 7.1 Update Puget Sound instream flow rules to encourage conservation. | 2 | <p>PEP development and implementation. Ecology will develop and implement the comprehensive basin flow protection and enhancement programs called for in the recovery plans for Puget Sound Chinook and Hood Canal/Strait of Juan de Fuca Summer Chum. By 2014, Ecology will identify near-term flow recovery targets and initiate a protection and enhancement program for a high priority watershed.</p> | <p>Done or not. By 2015, Ecology will identify near-term flow recovery targets and initiate a protection and enhancement program for a high priority watershed.</p> | Ecology |
| A | 7.1 Update Puget Sound instream flow rules to encourage conservation. | 3 | <p>Water code compliance and enforcement. 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. 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,</p> | <p>Done or not. 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</p> | Ecology |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| | | reduce water use, and protect senior water rights, including instream flows. | instream flows. | | | |
| A | 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. | | | |
| A | 7.3 | Implement effective management programs for groundwater. | 1 Exempt wells. 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 2013 2015. | • Done or not. | Ecology | |
| B | 1 | Focus development away from ecologically important and sensitive nearshore areas and estuaries | | | | |
| B | 1.1 | Use complete, accurate, and recent information in shoreline planning and decision making at the site-specific and regional levels. | 1 ²⁰ 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. | PSP | |
| B | 1.1 | Use complete, accurate, and recent information in shoreline planning and decision making at the site-specific and regional levels. | 2 Human use patterns in marine areas. Ecology will identify human use patterns for marine areas in Puget Sound, to support marine spatial planning. | • By June 30, 2013 2015, complete human-use mapping. | Ecology | |
| B | 1.2 | Support local | 1 Update local shoreline master programs. Ecology | • By December 2016, 90% of | Ecology | WDFW |

²⁰ Completed.

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts. | 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 manner that validates achievement of no net loss of ecological function and guides Puget Sound toward shoreline armoring target. | <u>Puget Sound Shoreline Master Program completed. To be determined</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 HPA capacity effectiveness. 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. <u>Improve Hydraulic Project Approval Compliance and Effectiveness for water crossing structures and marine shoreline armoring</u> | <ul style="list-style-type: none"> • Complete LEAN process and begin to implement recommendations by December 2012. • <u>-By 2016, secure funding to adequately staff Hydraulic Project Approval Compliance and Effectiveness Monitoring Program.</u> • <u>By 2016, add saltwater overwater structures and freshwater bank protection to the Hydraulic Project Approval Compliance and Effectiveness Monitoring Program.</u> | 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 Hydraulic code rules revision. WDFW will use best available science to revise Hydraulic Code Rules (WAC 220-110) 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"> • By December 2014, complete rulemaking. | WDFW | |
| B | 2 | Protect and restore nearshore and estuary ecosystems | | | |
| B | 2.1 Permanently protect priority nearshore physical and ecological processes and habitat, including shorelines, migratory corridors, and vegetation particularly in sensitive | 1 Protect 10% of bluff-backed beaches. PSP 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. | <ul style="list-style-type: none"> • Milestone 1: By September 2012, identify location of bluff backed beaches with high sediment supply and development pressure or other priority nearshore habitats facing development | PSP | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | areas such as eelgrass beds and bluff backed beaches. | | <p>pressures.</p> <ul style="list-style-type: none"> • Milestone 2: By December 2012, convey the location information to salmon recovery watershed groups and LIOs for consideration. • Milestone 3: By December 2012, convene at least one meeting with each Action Area (LIO) with bluff backed beaches. • 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. • By March-September 2014, determine which Capital projects were awarded, award Capital projects • By June-December 31, 2014, local jurisdictions will enact regulatory protectionsany new regulatory protections are in place. • By August 2014 <u>June 30, 2015</u>, 10 % of the bluff-backed beaches with high sediment supply or priority nearshore habitats facing development pressure are protected. | | |
| 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. | 2 | <p>Community use dock incentives. For state-owned aquatic lands, DNR, in consultation with WDFW and Ecology, will identify potential permit, economic, and social incentives for encouraging community use docks as an alternative to single family docks by July 2013.</p> <ul style="list-style-type: none"> • done or not <u>By December 31, 2014, identify incentives for encouraging community use docks.</u> | DNR | WDFW, Ecology |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| 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 Overwater structures design guidance. 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. | <ul style="list-style-type: none"> ● done or not. <u>By December 31, 2014, publish guidance on construction, repair, and rebuilding of overwater structures.</u> | DNR | |
| B | 2.2 Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands. | 1 Implementation of projects identified by Puget Sound Nearshore Estuarine Restoration Program. 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. | <ul style="list-style-type: none"> ● Number of projects funded; number implemented; amount of various nearshore habitats restored. ● 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. | WDFW | Corps |
| B | 2.2 Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands. | 2 Washington State Parks nearshore restoration. State Parks <u>Washington State Parks</u> will identify opportunities to provide nearshore restoration. Based on this assessment, State Parks <u>Washington State Parks</u> will refine its performance measures for this action including setting semi-annual estimates of the numbers of projects or linear feet to be restored. State Parks <u>Washington State Parks</u> will restore nearshore habitat identified, including removal of hard armoring at state parks. | <ul style="list-style-type: none"> ● Milestone 1: By December 2012, identify opportunities. ● 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. ● Milestone 3: By December 2015, complete at least two projects. | Parks | <u>Washington State Parks</u> |
| B | 2.2 Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands. | 3 Prioritizing restoration on state-owned aquatic lands. 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. | <ul style="list-style-type: none"> ● Milestone 1: By 2014, develop <u>DNR restoration project prioritization criteria.</u> ● Milestone 2: By 2014/2015, List develop and begin to implement list of near and long-term projects. | DNR | |
| B | 2.2 Implement prioritized | 4 Creosote piling inventory and removal. DNR will | <ul style="list-style-type: none"> ● By 2013, complete inventory | DNR | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | nearshore and estuary restoration projects and accelerate projects on public lands. | 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. | (done or not). <ul style="list-style-type: none"> By 2017, remove 3,000 pilings (done or not). | | |
| 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 ²¹ 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"> 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. | PSP | |
| B | 2.4 Implement a coordinated strategy to achieve the 2020 eelgrass recovery target. | 1 Eelgrass recovery target strategy. 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"> By September 2014, identify <u>strategy options.</u> By December 2014, <u>Strategy developed. Strategy options identified by Dec 2012, Strategy developed by September 2014 (done or not).</u> | DNR | PSP |
| B | 2.4 Implement a coordinated strategy to achieve the 2020 eelgrass recovery target. | 2 Identification of eelgrass restoration sites. 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 | <ul style="list-style-type: none"> By July 2014, complete <u>maps defining potential eelgrass restoration sites; site evaluations; final recommendations.</u> By July 2014, complete <u>state</u> | DNR | |

²¹ Completed; subsequent efforts incorporated at a program level.

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| | | sites on state-owned aquatic lands with a focus on areas with long-term protections already in place. | 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). | | |
| B | 3 | Protect and restore marine ecosystems | | | |
| B | 3.1 | Protect intact marine ecosystems particularly in sensitive areas and for sensitive species. 1 ²² | 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"> 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. | PSP WDFW DNR |
| B | 3.1 | Protect intact marine ecosystems particularly in sensitive areas and for sensitive species. 2 | Outfall strategy on state-owned aquatic lands. 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"> By December 2013/2014, complete strategy development, including an implementation work plan. | DNR Ecology, WDFW, DOH |
| B | 3.2 | Implement and maintain priority marine restoration projects. 1 | Legacy net removal. The Northwest Straits Foundation will work with WDFW, DNR 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"> By December 2012, approximately 250 nets will be removed from waters of Island, San Juan, and Kitsap Counties. By August, 2013, approximately 170 nets in Whatcom County will be removed. | Surfrider Foundation—Northwest Straits Chapter WDFW, DNR |

²² Completed, follow-on action under development for 2016 Action Agenda.

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| | | | <ul style="list-style-type: none"> — Milestone 3: By December 2013, remaining nets in Hood Canal and other counties will be removed. ● Milestone 4: By June 30, 2015, all shallow water legacy derelict fishing nets will be removed from high priority areas of Puget Sound. | | |
| B | 3.2 Implement and maintain priority marine restoration projects. | 2 | <p>Deep water net removal. 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 130 204 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.</p> | <ul style="list-style-type: none"> ● Milestone 1: By December 2012, identify known deepwater nets for pilot removal operations. ● Milestone 2: By September 2013, develop up to three possible removal options in partnership with WDFW, DNR, NOAA, tribes, fishers, and others. — Milestone 3: By December 2013, pilot chosen removal option on identified nets. ● 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. | Surfrider Foundation—Northwest Straits Chapter |
| B | 3.2 <u>Implement and maintain priority marine restoration projects.</u> | 3 ²³ | <p>Derelict fishing net reporting, response and retrieval program. 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.</p> | <ul style="list-style-type: none"> ● 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 | Surfrider Foundation—Northwest Straits Chapter |

²³ Follow-on from B3.2.1 and B3.2.2.

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| | | | reported nets will be accomplished during fishing seasons. | | | |
| B | 4 | Protect and steward working waterfronts and improve public access to Puget Sound | | | | |
| B | 4.1 | Use, coordinate, expand, and promote financial incentives and programs for best practices at ports and in the marine industry that are protective of ecosystem health. | No near-term actions. Work is focused on implementation of ongoing programs. | | | |
| B | 4.2 | Increase access to and knowledge of publically owned Puget Sound shorelines and the marine ecosystem. | 1 | <p>State Parks Washington State Parks interpretive experiences. Increase passive, active and virtual interpretive experiences on Puget Sound ecology, threats, vital signs, and recovery actions at State Parks Washington State Parks 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"> • Milestone 1: By December 2012, review existing interpretive plans for Puget Sound interpretive experience opportunities. • 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. • <u>By December 2014, pull elements from existing interpretative plans that address specific ecosystem services needs for Puget Sound.</u> • <u>By December 2015, implement interpretive programs (including signage or other interpretive experiences) at up to two parks.</u> • <u>By December 2017, implement interpretive programs at up to two additional parks.</u> | Washington State Parks | |
| 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 | | | | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| | invasive species | | | | | |
| B | 5.1 | Implement species recovery plans in a coordinated way. | 1 | Develop and implement species plans. Develop (where necessary) and implement actionable plans for imperiled Puget Sound species | <ul style="list-style-type: none"> Number of actionable plans for imperiled species currently lacking such plans | WDFW |
| B | 5.1 | Implement species recovery plans in a coordinated way. | 2 ²⁴ | 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"> A completed Fish and Wildlife Action Plan for Puget Trough by June 30, 2013 | 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 | Invasive species baseline assessment. 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"> By September 30, 2012, 25% complete. By December 31, 2012, 31% complete. By March 31, 2013, 38% complete. By June 30, 2013, 44% complete. By September 30, 2013, 44% complete. By December 31, 2013, 56% complete. By March 31, 2014, 69% | Washington Invasive Species Council WSDA |

²⁴ No longer reflects species planning within WDFW.

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| | | | <p>complete.</p> <ul style="list-style-type: none"> • By June 30, 2014, 78% complete. • By September 30, 2014, 88% complete. • By December 31, 2014, 100% complete. | | | | |
| B | 5.3 | Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species. | 2 | <p>Invasive species early detection and monitoring. 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.</p> | <ul style="list-style-type: none"> • Plans will be developed for five species. • By March 2013, secure funding. • By June 2013, issue request for proposal and hire contractor. • By December 2013, identify existing invasive species monitoring efforts and protocols used in Puget Sound. • By June 2013, develop conceptual monitoring plan that identifies targeted species and locations, and estimated costs to implement. • By October 2014, seek funding opportunities to implement monitoring plan. | Washington Invasive Species Council | WSDA |
| B | 5.3 | Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species. | 3 | <p>Managing invasive species on/in boats and ships. <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> DFW will prepare implementable recommendations for managing invasive species transported on and in the hulls of recreational watercraft and commercial ships.</p> | <ul style="list-style-type: none"> • <u>Complete recommendations for managing invasive species on the hulls of recreational watercraft and commercial ships.</u> • <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> Complete a | WDFW | |

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| | | | <p>management plan with recommendations by June 30, 2015</p> <p>Milestones:</p> <p>Issue request for proposals and select contractor: June 2012, complete assessment of non-indigenous marine species in Puget Sound: December 2012;</p> <p>Develop/identify standard methods for designating high-risk watercraft in Puget Sound: June 2013; identify BMPs for in-water watercraft cleaning: December 2013; 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</p> | | |
| B | 5.3 Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species. | 4 | <p>Ballast water treatment effectiveness. 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.</p> | WDFW | <ul style="list-style-type: none"> ● Complete report and make available to resource managers and the public by June 30, 2015. Milestones: <ul style="list-style-type: none"> ○ By December 31, 2012, issue sub-award to University of Washington to analyse samples and conduct data analysis. ○ By June 30, 2013, University of Washington completes analysis of archived samples and identifies research gaps ○ By December 31, 2013, WDFW collects new samples to fill research gaps. ○ By December 31, 2014, |

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| | | | draft report reviewed by state Ballast Water Work Group. | | | | |
| B | 5.3 | Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species. | 5 | Zebra/quagga mussel and New Zealand mud snail plans. 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"> By June 30, 2015, complete zebra/quagga mussel invasion management plan. By June 30, 2015, complete plan to limit spread of New Zealand mud snails. Milestones: <ul style="list-style-type: none"> By June 30, 2014, assess EPA grant opportunities and/or department legislation request for project funding. By June 30, 2014, secure project funding; and issue contract to prepare management plans. By December 31, 2014, draft management plans reviewed by Puget Sound Science Panel and Washington Invasive Species Council. | WDFW | |
| B | 5.3 | Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species. | 6 ²⁵ | Invasive species baseline assessment. <u>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.</u> | <ul style="list-style-type: none"> By December 2015, 50% complete. By December 2016, 100% complete. | Recreation and Conservation Office | WSDA |
| B | 5.3 | Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species | 7 ²⁶ | State ballast water management. 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"> Develop MOA. | WDFW | |

²⁵ Follow-on from B5.3.1.

²⁶ Follow-on from B5.3.3.

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| B | 5.4 | Answer key invasive species research questions and fill information gaps. | 1 | Environmental and economic impact of invasive species. 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"> By December 2012, convene workgroups. By September 2013, revise performance measures to denote the number of pathways that will be considered. By August 2014, submit draft pathway analysis to the Science Panel. By June 2015, complete final study. | Washington Invasive Species Council | WSDA |
| C | 1 | Prevent, reduce, and control the sources of contaminants entering Puget Sound | | | | | |
| C | 1.1 | Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment. | 1 | Polycyclic aromatic hydrocarbons and perfluorooctane sulfonate chemical action plans. Ecology, working with its partners, will complete a polycyclic aromatic hydrocarbons chemical action plan by 2012 and a chemical action plan for perfluorooctane sulfonate or all perfluorinated compounds by 2014 , and begin to implement the recommendations from the Plans. (Wood smoke actions in the polycyclic aromatic hydrocarbons chemical 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.) | <p>polycyclic aromatic hydrocarbons chemical action plan</p> <ul style="list-style-type: none"> By 2014, complete chemical action plan for PCB, or all perfluorinated compounds. By 2014, begin to implement the recommendations from the PAH plan (PAH and PFOS or PFC chemical action plans completed or not; pounds/year of polycyclic aromatic hydrocarbons reduced). | Ecology | |
| C | 1.1 | Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment. | 2 | Mercury lamp product stewardship. Ecology will establish a mercury lamp product stewardship program. | <ul style="list-style-type: none"> By 2013 December 2015, establish a mercury lamp product stewardship program. | Ecology | |

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| C | 1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment. | 3 | Fish consumption rates. The Ecology will finalize a technical report on fish consumption rates in December 2012 . By fall 2012 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. 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. In one other related action, Ecology will complete changes to the Sediment Management Standards rule by January December 2013 <u>31, 2014</u> to include methods and policies for establishing sediment cleanup standards based on human health protection. | <ul style="list-style-type: none"> As soon as possible, establish accurate default fish consumption rates. By the end of 20143, complete rulemaking process for Sediment Management Standards. Beginning in October 2012, report to the Leadership Council at least quarterly. | Ecology | |
| C | 1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment. | 4 ²⁷ | Estimates of copper in pesticides. The WSDA 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. | <ul style="list-style-type: none"> Milestone 1: By December 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. | WSDA | Ecology |

²⁷ Completed.

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| C | 1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment. | 5 ²⁸ Pesticide use survey. 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 environment. This work is one element as part of a process to evaluate copper loading in Puget Sound. | <ul style="list-style-type: none"> ● Milestone 1: ● By November 2012, survey drafted and distributed to 9500 homeowners. ● By December 2013, produce report. ● 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. ● Milestone 3: By December 2013, produce report. | WSDA | Ecology |
| C | 1.1 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment. | 6 Emerging contaminants. 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. | <ul style="list-style-type: none"> ● By December 2013<u>31, 2014</u>, Ecology will publish recommendations for actions to understand and address emerging contaminants. | Ecology | PSP |
| C | 1.2 Promote the development and use of safer alternatives to toxic chemicals. | 1 Chemical alternatives assessments. 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. | <ul style="list-style-type: none"> ● By September 2012<u>December 31, 2014</u>, issue draft guidance document. | Ecology | |
| C | 1.2 Promote the development and use of safer alternatives to toxic chemicals. | 2 Toxics in roofing materials. 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 | <ul style="list-style-type: none"> ● 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 | Ecology | |

²⁸ Completed.

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| | | 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. | <p>a Phase 2 study to occur</p> <p><u>Milestone 2: By December 2013, the Task Force will have recommendations on strategies to promote safer roofing alternatives.</u></p> <ul style="list-style-type: none"> <u>In May 2014, meeting with Task force to review new dataset and finalize recommendations for next steps.</u> <u>In September 2014, complete addendum to final report that combines Phase 1 and Phase 2.</u> | | |
| C | 1.2 Promote the development and use of safer alternatives to toxic chemicals. ^{3²⁹} | 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"> Green chemistry road map developed or not; green chemistry center established or not; green chemistry conference held or not | Ecology | |
| 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. ^{1³⁰} | Landscaper accreditation. 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, | <ul style="list-style-type: none"> 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. | Ecology | |

²⁹ Completed.

³⁰ Completed.

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| | | 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. | | | |
| C | 1.4 Provide education and technical assistance to prevent and reduce releases of pollution. | 2 ³¹ 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 seeking best value for the state. Best value includes looking at price, performance, availability and environmental considerations when developing and awarding contracts. | <ul style="list-style-type: none"> Number of completed “environmental opportunity assessments” for Department of Enterprise Services contracts, number of environmentally preferable purchases completed based on the assessments, pounds of hazardous wastes reduced per year. | Ecology | |
| C | 1.4 Provide education and technical assistance to prevent and reduce releases of pollution. | 3 ³² 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. | <ul style="list-style-type: none"> Number of local source control visits completed per year | Ecology | |
| C | 1.5 Control wastewater and other sources of pollution such as oil and toxics from boats and vessels. | 1 ³³ 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"> Completion of draft elements of an evaluation by July 2012 (Phase I). Completion of stakeholder outreach, surveys, geographical locations by July 2013 (Phase II). Completion of draft petition to EPA by September 2013. | Ecology | Parks, EPA |
| C | 1.5 Control wastewater and other sources of pollution | 2 Pump-out station improvements. Ecology and DOH, with National Estuary Program grant funding, will | <ul style="list-style-type: none"> Milestone 1: Number of pump-out stations added or | Ecology | DOH |

³¹ Completed.

³² Completed.

³³ Completed.

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| | such as oil and toxics from boats and vessels. | 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. | improved. Amount of sewage pumped out. Pump out capacity is able to support a NDZ designation. <ul style="list-style-type: none"> • <u>Add 2-3 stationary pumps for command vessels.</u> | | |
| C | 1.6 Increase compliance with and enforcement of environmental laws, regulations, and permits. | 1 Hazardous waste, wastewater, and air quality compliance and enforcement. Increase Ecology's hazardous waste, and wastewater compliance inspection and enforcement programs in the Puget Sound. | <ul style="list-style-type: none"> • <u>Annually, identify</u> number of compliance inspections completed <u>per year.</u> • <u>Annually, identify</u> pounds of hazardous wastes and air pollutants reduced <u>per year.</u> • <u>Annually, identify</u> volume of wastewater discharges reduced <u>per year.</u> | Ecology | |
| C | 1.6 Increase compliance with and enforcement of environmental laws, regulations, and permits. | 2 Compliance for use of toxics in products. 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"> • Milestone 1: By June 30, 2013 <u>Milestone 1: By June 30, 2014</u>, Ecology will publish a report on product sampling and follow up actions taken. | Ecology | |
| C | 1.6 Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment. | 3 Water quality enforcement. 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"> • By 2014, increase the number of inspections. | Ecology | DOH |
| C | 2 | Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales | | | |
| C | 2.1 Manage urban runoff at the basin and watershed scale. | 1 ³⁴ Watershed based stormwater management. 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 permits," to watershed-based municipal stormwater management. PSP will work with interested parties, particularly Ecology and local | <ul style="list-style-type: none"> • Milestone 1: By December 31, 2013, complete contract to survey other states' watershed-based permit programs and compile findings in a report. • Milestone 2: By March 31, 2014, share survey findings at a series of facilitated meetings with interested | PSP | |

³⁴ Conversation needed with partners on roles and future work.

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| | | | governments, to ensure their perspectives and concerns are addressed and accounted for when developing the scope of work for their evaluation. 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> 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. | parties. <ul style="list-style-type: none"> 1By June-August 2011, 2014, present survey findings, and <u>summary of facilitated meetings at Ecosystem Coordination Board meeting</u>³⁵. 2By March 2015, develop a path forward based on findings and feedback from <u>the Ecosystem Coordination Board and Leadership Council meetings.</u> | | | |
| C | 2.1 | Manage urban runoff at the basin and watershed scale. | 2 | Protect best remaining streams. 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. | <ul style="list-style-type: none"> Milestone 1: By March 2013, complete map of targeted streams. Milestone 2: By September 2013Strategies and actions to protect targeted stream drainages. <u>Description:-In early 2015 develop strategies and actions to protect targeted stream drainages.</u> | King County | |
| C | 2.1 | Manage urban runoff at the basin and watershed scale. | 3 | Stormwater system mapping. King County, in cooperation with Ecology, local governments, WSDOT, and DNR, will help improve understanding and management of the region's stormwater infrastructure by developing <u>data collection protocols, methodology and definitions for stormwater system mapping.</u> Following completion of this work, seek funding to develop a geo-referenced database of the Sound's regulated, municipal stormwater system. | <ul style="list-style-type: none"> By June 2016, <u>develop a geo-referenced database of the Sound's regulated municipal stormwater system.</u> | King County | Ecology, WSDOT, DNR |
| C | 2.2 | Prevent problems from new development at the | 1 | NPDES municipal permits. Ecology will issue municipal permits for western Washington and | <ul style="list-style-type: none"> Reissued, improved municipal permits by July 2012 | Ecology | |

³⁵ Conversation needed with partners on roles and future work.

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| | site and subdivision scale. | | 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. | <ul style="list-style-type: none"> • Additional resources to Ecology by July 2013 • Financial assistance provided to permittees by December 2013 • Incentives provided to permittees for regional implementation by December 2013 <u>each biennium depending upon the legislative appropriation. This is an on-going measure.</u> | | |
| C | 2.2 Prevent problems from new development at the site and subdivision scale. | 2 | Stormwater treatment standards. 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. | <ul style="list-style-type: none"> • Evaluation with supporting documentation by March 2014 <u>Updated performance measures under review.</u> | Ecology | |
| C | 2.2 Prevent problems from new development at the site and subdivision scale. | 3 | Stormwater management outside permitted areas. Ecology, in coordination with DOH, will 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"> • By September 2012, identify areas identified. • By December 2012, provide assistance to non-permitted local governments. • By March 2014 and at conclusion of projects, document reduced impacts <u>Updated performance measures under review.</u> | Ecology | DOH |
| C | 2.2 Prevent problems from new development at the site and subdivision scale. | 4 | New development under earlier stormwater programs. 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"> • 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 <u>Updated performance measures under review.</u> | Ecology | |
| C | 2.3 Fix problems caused by existing development. | 1 | Stormwater retrofit projects. Ecology will lead a process to identify high priority retrofit 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 | <ul style="list-style-type: none"> • RFP issued by August 2012. • New regional stormwater retrofit prioritization process and list of projects by December 2013 <u>2014.</u> | Ecology | |

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| | | build on retrofit prioritization work by WSDOT, King County and others, and will be replicable in other urban and suburban areas around the Sound. | | | |
| C | 2.3 Fix problems caused by existing development. | 2 | Map, prioritize, and restore degraded streams. 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"> ● By March 2013, complete <u>map of targeted drainages</u>. ● In early 2015, complete <u>prioritized list for restoration, and strategies, actions, and budgets</u>. | King County |
| C | 2.3 Fix problems caused by existing development. | 3 | Legacy pollutant removal. 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"> ● Shared guidance. ● By December 2014, provide financial assistance to permittees by December 2013. | Ecology |
| C | 2.4 Control sources of pollutants. | 1 | Compliance assurance program. 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"> ● By December 2012-2015, increase number of inspections, technical assistance, and enforcement activities. | Ecology |
| C | 2.4 Control sources of pollutants. | 2 | Vehicle leak detection program. 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"> ● By September 2012, convene first forum. ● 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. ● 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 | King County |

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| | | | <p>Board, Science Panel, and Leadership Council for consideration.</p> <ul style="list-style-type: none"> 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. | | | |
| C | 2.5 Provide focused stormwater-related education, training, and assistance. | 1 | <p>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.</p> | <ul style="list-style-type: none"> Through July 2015, provide <u>stormwater-related training</u>. Through July 2015, provide <u>follow-up training opportunities</u>. Provide stormwater-related training by June 30, 2013 and follow-up training opportunities by June 30 2014. | Ecology | |
| C | 2.5 Provide focused stormwater-related education, training, and assistance. | 2 | <p>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.</p> | <ul style="list-style-type: none"> To be determined. | To be determined | |
| C | 3 Prevent, reduce, and control agricultural runoff | | | | | |
| C | 3.1 Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery. | 1 | <p>Water quality BMPs. 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.</p> | <ul style="list-style-type: none"> By December 20162, develop a plan to improve BMP implementation. | Ecology | WSCC, WSDA |
| C | 3.1 Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery. | 2 | <p>Effectiveness of incentive programs. 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</p> | <ul style="list-style-type: none"> By December 20122013, hold two coordinating meetings to evaluate the effectiveness of the <u>agriculture</u> incentive programs. | WSCC | Ecology, WSDA, DOH |

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| | | resource objectives. The report will include a section from Ecology on compliance with water quality standards. | <ul style="list-style-type: none"> By June 20132014, produce a draft report with recommendations on necessary changes. Between June 20132014 and November 20132014, present the draft report to the agencies, tribes, and stakeholder groups for comment. By November 20134, 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. | | | |
| C | 3.1 Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery. | 3 | Voluntary stewardship program. 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"> By December 2012May 2015, the WSCC will identify potential funding sources. By June 20135, funding will be made available to the four counties in the program. | WSCC | |
| C | 3.2 Ensure compliance with regulatory programs designed to reduce, control, or eliminate pollution from working farms. | 1 | Priority Areas for voluntary incentive and regulatory programs. 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"> By Dec. 31June 30, 20125, the WSCC will convene at least two meetings to identify priority areas. By JuneDecember 3130, 20135, WSCC will implement voluntary incentive programs in five target areas. | WSCC | WSDA, Ecology, DOH |
| C | 3.2 Ensure compliance with regulatory programs designed to reduce, control, or eliminate | 2 ³⁶ | 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 | <ul style="list-style-type: none"> Field assessment and risk evaluation of up to 500 lagoons completed by July 2013; Number of lagoons with | WSDA | |

³⁶ Completed.

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| | pollution from working farms. | 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. | identified risks are identified and operators made aware of available technical assistance by September 2013. | | |
| € | 3.2 Ensure compliance with regulatory programs designed to reduce, control, or eliminate pollution from working farms. | 3 ³⁷ 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. | <ul style="list-style-type: none"> Final rule adopted or not | WSDA | |
| C | 3.2 Ensure compliance with regulatory programs designed to reduce, control, or eliminate pollution from working farms. | 4 Concentrated Animal Feeding Operation General Permit. Ecology will issue an updated Concentrated Animal Feeding Operation General Permit <u>by December 2016</u> . | <ul style="list-style-type: none"> July 20152: Estimated public comment draft date. November 20126: Estimated permit issuance date. December 20126: Estimated permit effective date. | Ecology | |
| C | 4 Prevent, reduce, and control surface runoff from forest lands | | | | |
| C | 4.1 Achieve water quality standards on state and privately owned working forests through implementation of the Forest and Fish Report. | 1 Forest Practices Adaptive Management Program review. <u>DNR will 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> DNR and Ecology will obtain an independent performance review of the Forest Practices Adaptive Management Program (AMP). | <ul style="list-style-type: none"> <u>By December 2015, DNR identify date for the review.</u> DNR identifies date for the review by December 2013 | DNR | Ecology |
| C | 4.1 Achieve water quality standards on state and privately owned working forests through implementation of the Forest and Fish Report. | 2 Forest Practices Adaptive Management Program. 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"> <u>By July 2014, DNR identifies date for securing a stable base.</u> DNR identifies date for securing a stable base by December 2013 | DNR | |
| C | 4.1 Achieve water quality | 3 ³⁸ Continue to implement road maintenance and | <ul style="list-style-type: none"> Number of road management | DNR | |

³⁷ Completed.

³⁸ Proposed follow-on action to C4.1.1

| Strategy | Sub-Strategy | | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | <u>standards on state and privately owned working forests through implementation of the Forest and Fish Report.</u> | | <u>abandonment programs on forested trust lands.</u> 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: | 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 <ul style="list-style-type: none"> Percent of fish barrier culverts that have been corrected. 2014 Baseline: 94% of fish barrier culverts have been corrected in sound Puget Sound basin. | | |
| 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 | Risk assessment of small forest landowner roads. 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"> By June 2014, design resource risk assessment and implementation plan. | DNR | Ecology |
| 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 | Accelerate Family Forest Fish Passage Program implementation. DNR, 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 | <ul style="list-style-type: none"> By July 2013, additional funding secured. Beginning July 2013, initiate cleaning of backlog and remove 75 fish passage barriers per year. | DNR | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | | |
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| | | sector and nonprofit sector funding sources. | | | | | |
| 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 | Fish passage barriers. WDFW will assess and prioritize fish passage barriers by watershed within the Puget Sound. | <ul style="list-style-type: none"> Number of watershed habitat assessments and prioritization analyses conducted. | 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 abandonment on federal lands. | 4 | Enhance road maintenance and abandonment plan database: 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"> By 2016 (or 2021 with approved extension), road maintenance and abandonment plan database updated quarterly with reports from landowners. | 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. | 5 | Road maintenance and abandonment plan coordination with federal partners. 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"> By December 20132014, DNR convenes 19 WRIA meetings annually and includes USFS in the meetings for WRIAs where USFS owns land. | DNR | |
| C | 5 | Prevent, reduce, and/or eliminate pollution from decentralized wastewater treatment systems | | | | | |

| Strategy | Sub-Strategy | | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| C | 5.1 Effectively manage and control pollution from on-site sewage systems. | 1 ³⁹ | Effectiveness of OSS Rule. DOH, in consultation with local health jurisdictions (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. | <ul style="list-style-type: none"> Project design completed by December 2012, draft results compiled by September 2013, and recommendations completed by December 2013. | DOH | LHJs |
| C | 5.1 Effectively manage and control pollution from onsite sewage systems. | 2 | Onsite sewage system operation and maintenance program best practices. 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"> By December 31, 20122014, project design completed. By December 2012June 30, 2015, draft analysis completed. By June 2014December 31, 2015, final analysis completed. By December 2014, onsite sewage system inspection levels at 60% in designated areas. | DOH | LHJs |
| C | 5.1 Effectively manage and control pollution from onsite sewage systems. | 3 | Onsite sewage system nitrogen treatment technologies. 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"> By August 2012, onsite sewage system installed and testing initiated evaluation of onsite sewage system technologies completed and by December 2014, develop plans for standards and guidance. | DOH | |
| C | 5.1 Effectively manage and control pollution from onsite sewage systems. | 4 | Centralized Wastewater facilities treatment. 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 a least one pilot project and construction of a least one pilot project. | <ul style="list-style-type: none"> By June 20132015, Commerce, in consultation with Ecology and DOH, will: <ul style="list-style-type: none"> 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? Understand the technical | Commerce | Ecology, DOH |

³⁹ Completed.

| Strategy | Sub-Strategy | | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| | | | | <p><u>and legal challenges associated with pursuing centralized treatment 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.</u></p> <ul style="list-style-type: none"> • By Nov-November 20132015, areas meeting those criteria will be mapped and analyzed for suitability pilot projects. • By July 2014 2016, <u>develop conceptual solutions, and if legally feasible, design for</u> at least one pilot project will be completed. • By September 2016-2017, <u>Ecology will lead completion of construction</u> for at least one pilot project | | | |
| C | 5.3 | Improve and expand funding for onsite sewage systems and local onsite sewage system programs. | 1 | Regional onsite sewage system homeowner loan program. 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"> • By August 2012, project design completed. • By March May 31, 2014, draft analysis of issues and proposed actions completed. • By June September 30, 2014, final analysis completed. | DOH | PSP, Ecology |
| C | 5.3 | Improve and expand funding for onsite sewage systems and local onsite sewage system programs. | 2 | Regional onsite sewage system program funding source. 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"> • By August 2012, project design completed. • By March May 30, 2014, draft analysis of issues and proposed actions completed. • By June September 30, 2014, final analysis completed. | DOH | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| C | 5.3 | Improve and expand funding for on-site sewage systems and local OSS programs. ³ ⁴⁰ | 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"> Bill introduced and legislation passed and signed by June 2012. | DOH | |
| C | 6 | Prevent, reduce, and/or eliminate pollution from centralized wastewater systems | | | | |
| C | 6.1 | Reduce the concentrations of contaminant 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. | | | |
| C | 6.2 | Reduce pollution loading to Puget Sound by preventing and reducing combined sewer overflows. ¹ ⁴¹ | Integrated Municipal Stormwater and Wastewater Plans. PSP, in collaboration with Ecology, will convene a group to make 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. | <ul style="list-style-type: none"> By December 2012, conduct at least one initial meeting to scope work plan; By March 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. | PSP | Ecology |
| C | 6.3 | Implement priority upgrades of municipal and industrial wastewater | No near-term actions. Work is focused on implementation of ongoing programs. | | | |

⁴⁰ Completed.

⁴¹ Completed; subsequent efforts incorporated at a program level.

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | | |
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| | facilities. | | | | | | |
| C | 6.4 | Ensure all centralized wastewater treatment plants meet discharge permit limits through compliance monitoring, technical assistance, and enforcement where needed. | 1 | Water quality standards update. 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"> October 25, 2011: Rule initiation. <u>December 31, 2014</u>June 30, 2013: Rule adopted. | Ecology | |
| C | 6.5 | Promote appropriate reclaimed water projects to reduce pollutant loading to Puget Sound. | | No near-term actions. Work is focused on implementation of ongoing programs. | | | |
| C | 7 | Ensure abundant, healthy shellfish for ecosystem health and for commercial, subsistence, and recreational harvest consistent with ecosystem protection | | | | | |
| C | 7.1 | Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas. | 1 | Shellfish best practices library. 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"> 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). By December 2013<u>September 30, 2014</u>, develop best practices library. | DOH | PSP, Ecology, WSCC |
| C | 7.1 | Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish | 2 ⁴² | 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. | <ul style="list-style-type: none"> Net increase of 2,700 acres of harvestable shellfish beds, of which 1,750 should be from beds presently classified as prohibited | PSP | DOH, WSDA, EPA |

⁴² Deleted; incorporated at a program level in the Governor's Office.

| Strategy | Sub-Strategy | | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| | harvesting areas. | | | | | | |
| C | 7.1 | Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas. | 3 | Pollution Control Action Team Local clean water programs. 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"> 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. | Ecology | DOH, WSDA, EPA |
| C | 7.3 | Ensure environmentally responsible shellfish aquaculture based on sound science. | 1 | Aquaculture Shoreline Master Program Handbook. 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. 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. | <ul style="list-style-type: none"> By June 30, 2014, handbook complete or not, number of local governments reached through training and technical assistance. | Ecology | |
| C | 7.3 | Ensure environmentally responsible shellfish aquaculture based on sound science. | 2 | Areas suitable for future shellfish aquaculture. 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 a 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"> Mapping completed. Updated milestones under development. | Ecology | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | | |
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| C | 7.3 | Ensure environmentally responsible shellfish aquaculture based on sound science. | 3 | Shellfish Model Permitting Program. 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"> — By June 2012, sign operation agreement; — By September 2012, identify pilots; ● By November 2012, establish pilot project timelines. <u>Updated milestones under development.</u> | Ecology | Governor's Office of Regulatory Assistance |
| C | 7.3 | Ensure environmentally responsible shellfish aquaculture based on sound science. | 4 | Nitrogen control pilots using shellfish. 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"> ● By January 2015, initiate two pilot projects. | Ecology | DNR |
| C | 7.4 | Enhance the publics' connection to shellfish and increase recreational harvest opportunities. | 1 | Shellfish interpretive programs and events. 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 identity. | <ul style="list-style-type: none"> ● Milestone 1: By December 2012, develop interpretive concepts and action plans with partners, and identify up to three pilot program locations. ● Milestone 2: By October 2013, implement and evaluate pilot shellfish interpretive programs and events at selected State Parks. ● Milestone 3: By June 2014/2015, expand/migrate existing programs to two additional different state Parks, incorporating evaluation results from pilot programs. ● 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. | Washington State Parks | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| C | 7.4 Enhance the public's connection to shellfish and increase recreational harvest opportunities. | 2 ⁴³ Shellfish Messages, Events, and Materials. Washington Sea Grant will partner with state and federal agencies on a planning process to develop shellfish related messages, publicize events, and develop materials. | <ul style="list-style-type: none"> By September 2012, planning process is convened. Additional measures will be set in the future. | SeaGrant | |
| C | 7.5 Answer key shellfish safety research questions and fill information gaps. | 1 Point source dilution analyses modeling. 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"> By June 2014, complete modeling study. | Ecology | DOH |
| C | 7.5 Answer key shellfish safety research questions and fill information gaps. | 2 ⁴⁴ Expand Biototoxin Monitoring. Expand biotoxin monitoring to address the marine toxin causing "Diarrhetic Shellfish Poisoning" (DSP). This involves including DSP into our Marine Biototoxin 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"> Purchase equipment and initiate monitoring by June 2012. Include DSP monitoring into the Marine Biototoxin Monitoring Program by June 2013. | DOH | |
| C | 7.5 Answer key shellfish safety research questions and fill information gaps. | 3 ⁴⁵ Water Quality and Seasonal Harvest Restrictions. 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"> Complete field studies to calibrate model by December 2013. Complete final model simulation report by June 2014. | DOH | NOAA |
| | 7.5 Answer key shellfish safety research questions and fill information gaps. | 4 ⁴⁶ Ocean Acidification Blue Ribbon Panel. 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"> By March 2012 convene the panel; by October 2012, submit recommendations | Ecology | |

⁴³ Completed.

⁴⁴ Completed.

⁴⁵ Completed.

⁴⁶ Completed.

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| C | 8 | Effectively prevent, plan for, and respond to oil spills | | | | |
| C | 8.1 | Prevent and reduce the risk of oil spills. ^{1 47} | 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"> Ecology presents concise report to the Cross PSP Oil Spill Work Group by July 2013 | PSP | |
| C | 8.1 | Prevent and reduce the risk of oil spills. 2 | Evaluate risk assessments for update needs. 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"> Milestone 1: Gaps identified by PSP, Ecology, technical consultant, and/or Cross Partnership Oil Spill Work Group. 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. | EcologyPSP | |
| C | 8.3 | Respond to spills and seek restoration using the best available science and technology. ^{1 48} | 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"> Complete rulemaking by Dec 2012. | Ecology | |
| C | 8.3 | Respond to spills and seek restoration using the best available science and technology. ^{3 49} | 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"> Complete rulemaking by Dec 2012. | Ecology | |
| C | 8.3 | Respond to spills and seek restoration using the best available science and technology. 4 | Identify species and locations at risk in spills. 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"> 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. | WDFW | Ecology |

⁴⁷ Completed.

⁴⁸ Completed.

⁴⁹ Completed.

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| C | 9 | Address and clean up cumulative water pollution impacts in Puget Sound | | | |
| 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 | Freshwater swimming beach program. By 2014, Ecology and DOH will develop a proposal to coordinate a monitoring and notification freshwater swimming beach program for the Puget Sound region. | ● To be determined. | Ecology DOH |
| C | 9.3 | Restore and protect water quality at swimming beaches and recreational areas. 2 | Correct pollution problems at marine beaches. 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. | ● 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. | Ecology DOH |
| C | 9.4 | Develop and implement local and tribal pollution identification and correction programs. 1 | Pollution Identification and Correction Programs. 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. | ● Milestone 1: By July 2012/2015, award pollution identification and correction program funds and distribute Agricultural BMP funds to at least six 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. | DOH Ecology, EPA |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| D | 1 | Provide the leadership frameworks to guide the Puget Sound recovery effort and set action and funding priorities | | | |
| D | 1.1 | Provide backbone support for the recovery effort and management conference. | No near-term actions. Work is focused on implementation of ongoing programs. | | |
| D | 1.2 | Maintain and update the Action Agenda as the shared recovery plan. ⁵⁰ | 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. | <ul style="list-style-type: none"> ● Milestone 1: In July 2012, confer with ECB regarding design of the process and composition of workgroups. ● Milestone 2: August, 2012, confer with Leadership Council regarding schedule and process. ● Milestone 3: October 2012, initiate interim milestone review process. ● Milestone 4: 25% complete by February 2013. ● Milestone 5: 50% complete by June 2013. ● Milestone 6: 75% complete by September 2013. ● Milestone 7: 100% complete by November 2013. | Puget Sound Partnership |
| D | 1.2 | Maintain and update the Action Agenda as the shared recovery plan. ⁵¹ | Establish Interim Milestones for Targets 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 | <ul style="list-style-type: none"> ● Milestone 1: Leadership Council 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). | Puget Sound Partnership |

⁵⁰ Deleted; region has shifted to biennial implementation strategy approach.

⁵¹ 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 | Owner | Secondary Owner(s) |
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| | | 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. | <ul style="list-style-type: none"> ● 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). | | |
| D | 1.2 Maintain and update the Action Agenda as the shared recovery plan. | 3 ⁵² | Alignment with Strategic Initiatives. PSP will align agency resources and effort with implementation of the strategic initiatives. | <ul style="list-style-type: none"> ● 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. | Puget Sound Partnership |
| D | 2 | Support and build strategic, collaborative partnerships | | | |
| D | 2.2 Build and maintain collaborative partnerships with tribes to identify and advance recovery actions. | 1 ⁵³ | 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. | <ul style="list-style-type: none"> ● Milestone 1: By October 2012 convene at PTCC meeting and review a specialized report card based on the Tribal Habitat Strategic Initiative. ● Milestone 2: By December 2012 present a work plan to identify and address outstanding issues of concern to the Leadership Council. | Puget Sound Partnership |
| D | 3 | Implement performance management | | | |
| D | 3.1 Work collaboratively to track and report on implementation performance. | 4 ⁵⁴ | Best Practices Forums. PSP, in collaboration with Washington Sea Grant and the Local Integrating Organizations (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 March 2013. Subsequent | <ul style="list-style-type: none"> ● Milestone 1: Convene semi-annual forums (March 2013; September 2013, March 2014, September 2014). ● Milestone 2: By June 2013, publish technical memorandum describing methods of assessing | Puget Sound Partnership |

⁵² Completed.

⁵³ Deleted in consultation with tribal partners – priority being addressed by other active NTAs.

⁵⁴ Completed.

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| | | 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. | pressures on the Puget Sound ecosystem. | | |
| D | 3.2 Work collaboratively to report on recovery progress. | ¹⁵⁵ Best practices forums. 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"> In March 2013, September 2013, March 2014, and September 2014, convene a semi-annual forums. Add participants to the base of practitioners by 20% year on year. | PSP | |
| D | 4 Coordinate and advance science and monitoring | | | | |
| D | 4.1 ¹⁵⁶ Oversee strategic planning for Puget Sound recovery science. | Adaptive Framework and Cycle Develop the PSP adaptive management framework and technical tools to assist in the steps of the adaptive management cycle. | <ul style="list-style-type: none"> 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. | Puget Sound Partnership | |
| D | 4.2 Implement a coordinated, integrated ecosystem monitoring program. | No near-term actions. Work is focused on implementation of ongoing programs. | | | |
| D | 5 Cultivate broad-scale stewardship practices and behaviors among Puget Sound residents that benefit Puget Sound | | | | |
| D | 5.1 Prioritize targeted stewardship issues, actions and audiences | No near-term actions. Work is focused on implementation of ongoing programs. | | | |

⁵⁵ Completed.

⁵⁶ Completed.

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| | 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. | | | | | |
| D | 5.2 Collaboratively develop and promote science-based targeted communications and behavior change strategies across the region. | 1 | Strategic social marketing frameworks. PSP works with partners to develop strategic social marketing frameworks to support soundwise behavior change initiatives by conducting, synthesizing and disseminating formative research relative to the adoption of specific priority practices. | <ul style="list-style-type: none"> ● Milestone 1: By June 2012, formative research on at least two practices is underway. ● Milestone 2: By July 31, 2014 June 2012 formative research on at least five regional model BMP programs eight practices is underway. ● Milestone 3: By December 2012, social marketing framework guidance on two BMPs disseminated to partners. ● 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>By July 2014, formative research on at least ten local social marketing projects is underway.</u> ● <u>By April 2015, complete at least ten local social marketing projects.</u> ● <u>By July 2015, disseminate social marketing framework guidance on at least ten local social marketing projects to partners.</u> | PSP | |

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| 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 shoreline armoring, and specific actions identified in sub-strategy D5.1.</p> | <p>D5.3-1</p> <p>Stewardship BMPs for stewardship and tree planting. PSP and partners analyze two priority BMPs as early-action initiatives. Complete five regional model programs addressing those priority BMPs by July 2015: (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.</p> | <ul style="list-style-type: none"> ● By June 2015, complete Model Stewardship Program for derelict vessels. ● By June 2015, complete Model Stewardship Program for residential pesticides. ● By June 2015, complete Model Stewardship Program for small business spill control. ● By June 2015, complete Model Stewardship Program for bacterial source control on marine shorelines in priority shellfish areas. ● By June 2015, complete Model Stewardship Program for bacterial source control on distributary channels in priority shellfish areas. ● Milestone 1: By August 2012, formative research on Residential Pesticides is completed. ● Milestone 2: Residential Pesticides: By December 2012, if initiative is warranted, pilot program would be launched. ● Milestone 3: Residential Pesticides: By April 2013, evaluation will be underway. ● Milestone 4: Tree planting, canopy cover, and soil health: By March 2013, program strategy developed. ● Milestone 5: By March 2013, tree planting, canopy cover, and soil health program strategy developed. ● Milestone 6: Tree planting, canopy cover, and soil health: | PSP | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | | | <p>Grants and contracts to fund work issued by June 2013.</p> <ul style="list-style-type: none"> • Milestone 7: Tree planting, canopy cover, and soil health: evaluation underway by Decemb | | |
| D | 5.4 | Improve effectiveness of local and regional awareness-building and behavior change programs through vetted messages, proven strategies and outcome-based evaluation. Guide partners in use of formative research and diffusion of priority BMPs. | No near-term actions. Work is focused on implementation of ongoing programs. | | |
| 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, | No near-term actions. Work is focused on implementation of ongoing programs. | | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| | manufacturing and distribution of toxins, and pharmaceutical waste management. Develop strategies and partnerships outside the Puget Sound region to address issues. | | | | | |
| D | 6 | Build issue awareness and understanding to increase public support and engagement in recovery actions | | | | |
| D | 6.1 | 1 Implement a long-term, 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. | Phase 2 of Puget Sound Starts Here. PSP and 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. | <ul style="list-style-type: none"> ● <u>By July 2014, BMP content revised.</u> ● <u>By July 2016, complete two rounds of micro grants to local organizations to disseminate the PSSH brand.</u> ● <u>By July 2015, complete an analysis of campaign status including media strategy, brand awareness, and audiences reached.</u> ● <u>By July 2015, campaign achieves 50% brand awareness among Puget Sound's 4.5 million residents.</u> <u>Milestone 1: By November 2012, mass media content developed.</u> ● <u>Milestone 2: By October 2012, web and social media developed and launched.</u> ● <u>Milestone 3: By May 2013, television media launched.</u> ● <u>Milestone 4: By July 2015, campaign achieves 50% brand awareness among Puget Sound's 4.5 million residents.</u> | PSP | |
| D | 6.2 | Incorporate and expand Puget Sound related content in diverse delivery settings (e.g., recreation, education institutions, | No near-term actions. Work is focused on implementation of ongoing programs. | | | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | local government, neighborhood and community groups, nonprofit organizations, businesses). Connect residents with public engagement and volunteer programs. | | | | |
| D | 6.3 <u>Incorporate Puget Sound place-based content into K-12 curricula throughout 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> | 1 K-12 curricula. <u>Incorporate Puget Sound place-based content into K-12 curricula by continuing to support existing partnerships with teachers, curriculum directors and school leaders, and developing new partnerships with additional Puget Sound school districts.</u> | <ul style="list-style-type: none"> • <u>By July 2016, at least 50 school districts in Puget Sound have place-based education programs.</u> • <u>By July 2016, minimum of 120 classrooms and 5,000 students will conduct Puget Sound Action Projects.</u> • <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> | Pacific Education Institute | |
| 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 | No near-term actions. Work is focused on implementation of ongoing programs. | | | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | program roles, needs, relationship with other Action Agenda strategies and program outcomes. | | | | |
| D | 7 | Build social and institutional infrastructure that supports stewardship behaviors and removes barriers | | | |
| 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 stewardship actions. Provide technical support and training to advance program effectiveness, evaluation, and support of Action Agenda priorities. 1 | BMPs for stewardship and tree planting Behavior Change Program Guidance. PSP provides uniform guidance for partners conducting behavior change programs to (1) enhance priority practices, (2) ensure that 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. 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 | <ul style="list-style-type: none"> ● By December 2015, complete at least six training opportunities for local and regional partners. ● By July 2015, develop and disseminate guidance for partners. ● Milestone 1: By September 2012, guidance and policies for Model Stewardship Program Grants developed. ● Milestone 2: By December 2012, non-grant guidance for partners developed. | PSP |
| 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 conduits connecting individuals to local activities, resources and decision-making processes—including cost-share programs, technical 1 | Citizen Action Training School. 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"> ● Milestone 1: Program launched by December 2012. ● Milestone 2: By July 2015, six five iterations of the program completed; a minimum of 150 125 community leaders trained; 7,500 6,200 hours | PSP |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | assistance, volunteer experiences and ways to engage in civic structures and processes. | | invested in resulting community projects; and written curricula on effective civic engagement disseminated for ECO-Net member <u>partner</u> use. | | |
| 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, municipalities not covered by stormwater permits, public agencies, funders, universities, NGOs and others. | No near-term actions. Work is focused on implementation of ongoing programs. | | | |
| 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 | 1 Funding Strategy | | | | |
| E | 1.1 Maintain and enhance federal funding for implementation of Action Agenda priorities. 1 | Puget Sound Recovery Act passage. PSP to continue work with Washington, coastal, and other key delegation staff to encourage passage of the Puget Sound Recovery Act by December 30 <u>31, 2014</u> <u>2016</u> . | <ul style="list-style-type: none"> 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. Milestone 2: If not passed during 112th session of | PSP | |

| Strategy | Sub-Strategy | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) | |
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| | | | <p>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.</p> <ul style="list-style-type: none"> ● <u>Milestone 3: If not passed during 112th session of Congress: By March 2014, testify and provide information to Congress for committee hearings. Not likely to be passed in the 113th Congress. If not passed during 113th 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.</u> ● <u>Encourage passage of the Puget Sound Recovery Act by December 31, 2016</u> | | | |
| E | 1.1 Maintain and enhance federal funding for implementation of Action Agenda priorities. | 2 | <p>Pacific coast salmon recovery funds. <u>Increase Pacific Coast Salmon Recovery Fund and other federal habitat protection and restoration funding sources to implement Puget Sound Chinook Recovery plan.</u> PSP, in collaboration with the PSSRC, the Receptions and Conservation Office, the WDFW, and the Northwest <u>Indian Fisheries Commission</u> will craft and lead an outreach strategy to <u>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.</u> <u>Federal habitat</u></p> | <ul style="list-style-type: none"> ● <u>Milestone 1: By October 20124, hold four meetings and briefings with key decision-makers within federal government to influence federal fiscal year 20135 appropriations and fiscal year 20146 budget formulation to increase federal share towards meeting \$120M per year funding target.</u> ● <u>Milestone 2: By October 20135, provide four briefings and in-state field visits with key decision-makers within</u> | PSP | PSSRC |

| Strategy | Sub-Strategy | | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | | | <u>and restoration funding sources include NOAA, USFWS, and EPA agency programs among other, with special focus on the NOAA -Pacific Coast Salmon Recovery Fund.</u> | 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 6 budget process. | | |
| E | 1.2 Focus federal agency budgets and national programs on Action Agenda priorities. | 1 | Farm Bill and water quality. 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 the NRCS PRISM database. | <ul style="list-style-type: none"> ● Milestone 1: Meet with federal and state partners twice a year to direct partner funds to strategic areas. ● Milestone 2: Follow up and facilitate, if needed, the efficient allocation of funds to on-the-ground efforts of the agricultural community with a target to allocate funds in each calendar year. ● <u>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.</u> | PSP | Natural Resources Conservation Service |
| E | 1.2 Focus federal agency budgets and national programs on Action Agenda priorities. | ²⁵⁷ | 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. | <ul style="list-style-type: none"> ● 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. | Puget Sound Partnership | Department of Defense |

⁵⁷ Completed.

| Strategy | Sub-Strategy | | Near-Term Action | Performance Measures | Owner | Secondary Owner(s) |
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| | | | | <ul style="list-style-type: none"> ● 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. | | |
| E | 1.3 Maintain, enhance, and focus state funding for implementation of Action Agenda priorities. | ⁴⁵⁸ | 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 address stormwater priorities by April 2014. | <ul style="list-style-type: none"> ● Milestone 1: By January 2014 use data from the Stormwater Needs Assessment and the ECB Funding committee to craft funding strategy and outreach 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. | Puget Sound Partnership | Department of Ecology |
| E | 1.3 Maintain, enhance, and focus state funding for implementation of Action Agenda priorities. | 2 | Puget Sound Acquisition and Restoration Fund. PSP, in collaboration with the PSSRC <u>and the Recreation and Conservation Office</u> , 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 201 <u>5</u> ⁴ . | <ul style="list-style-type: none"> ● Milestone 1: By October 201<u>5</u>,² 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. | PSP | PSSRC |

⁵⁸ Completed.

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| E | 1.3 Maintain, enhance, and focus state funding for implementation of Action Agenda priorities. | ⁵⁹ 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 OSS management and habitat protection and restoration programs through June 2014. | <ul style="list-style-type: none"> ● 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. | Puget Sound Partnership | |
| E | 1.4 Maintain and enhance local funding for implementation of Action Agenda priorities. | 1 Local funding mechanism. 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 the Puget Sound could elect to use to address Puget Sound recovery priorities. | <ul style="list-style-type: none"> ● 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. ● 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 | PSP | ECB |

⁵⁹ Completed.

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| | | | <p>regarding watershed-based funding mechanisms. In June 2012-2014(June 2012), the Executive Director of PSP should present recommendations to the Leadership Council.</p> <ul style="list-style-type: none"> ● Milestone 3: By November 20122014, build support for and introduce any legislation recommended in June 2012 <u>2014</u> in the 2013<u>2015</u> legislative session. | | |
| E | 1.4 Maintain and enhance local funding for implementation of Action Agenda priorities. | ²⁶⁰ 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. | 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. | Puget Sound Partnership | |
| E | 1.5 Develop opportunities for private sector and philanthropic funding for implementation of Action Agenda priorities. | 1 Coordination with philanthropic community. PSP will coordinate with the philanthropic community to encourage collaboration on implementation of highest priority actions in the Action Agenda. | <ul style="list-style-type: none"> ● 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. | PSP | |
| E | 1.6 Develop and implement market based mechanisms for implementation of priorities in the Action Agenda | ⁶¹ Compensatory mitigation programs. 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 | <p>Milestone 1: By June 2012, complete in-lieu fee program.</p> <p>Milestone 2: By December 30, 2012, Pierce County, and Thurston County programs adopted.</p> <p>Milestone 3: For 2013-2014</p> | PSP | U.S. Navy |

⁶⁰ Does not reflect current direction, ECB Funding Subcommittee focus has shifted to the Strategic Initiatives.

⁶¹ Completed; subsequent efforts incorporated at a program level.

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| | | HCCC to track implementation progress and achievement of outcomes. | 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. ⁶² | | |

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 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.

⁶² PSP is tracking progress on this near-term action to make sure funding is allocated.