

Appendix D:

NTA Table

Strategy	Subtask	Sub-Strategy Text	NTA #	NTA Description	NTA Type	Owner	Secondary Owner	Performance Measure
A	1.1	Identify and prioritize areas that should be protected or restored and those that are best suitable for (low impact) development.	1	PSP will convene an interagency workgroup by 2012 that, by 2013, will prepare regional ecosystem protection standards with a decision-making framework.	soundwide	PSP		Status of standard development and status of decision making framework
A	1.1	Identify and prioritize areas that should be protected or restored and those that are best suitable for (low impact) development.	2	By 2012, The Puget Sound Institute will work Ecology, Commerce, WDFW and other partners to develop a 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.	soundwide	PSI		Status of data sharing tool development
A	1.2	Local plans, regulations and policies are consistent with protection and recovery targets for Puget Sound.	1	By 2012, Ecology and 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.	soundwide	Ecology	Commerce	By 2012 PSBC data is available to all local governments and team established
A	1.2	Local plans, regulations and policies are consistent with protection and recovery targets for Puget Sound.	2	By 2013, Ecology and Commerce will develop and distribute a set of local model planning land development and growth policies and goals that are consistent with protection and recovery targets and the Growth Management and Shoreline Management Acts, and DNR's Aquatic Lands Habitat Conservation Plan when approved by NMFS.	soundwide	Ecology	Commerce	By 2013 Model growth policies are distributed to local governments
A	1.2	Local plans, regulations and policies are consistent with protection and recovery targets for Puget Sound.	3	By 2012, Ecology and Commerce will work with local governments to identify the primary barriers to incorporating policies consistent with implementation of the Action Agenda and identify assistance needed to overcome these barriers; including understanding how ecosystem characterization information and methods, and related protection strategies, and encouraging compact growth patterns, increased density, redevelopment and rural lands protection can be better incorporated into land use decisions.	soundwide	Ecology	Commerce	By 2012, five barriers & assistance needed are identified for all jurisdictions
A	1.3	Improve local governments' ability to implement, monitor and enforce plans, regulations and permits that are consistent with protection and recovery targets for Puget Sound.	1	By 2013, Commerce will coordinate broad partner discussion of ways to promote state financial support for local governments for GMA comprehensive plan implementation, enforcement, management, training, and education.	soundwide	Commerce		State financial support to local governments for plan and regulatory implementation, enforcement, management, training, and education will have increased by 2013
A	1.4	Strengthen and streamline existing local, state, federal permitting programs.	1	[Who?] will convene a workgroup, by 2012, that will, by 2013, conduct a cumulative effects assessment of the 'no net loss policy' in producing net gain toward the recovery targets and articulate how cumulative effects assessment could be integrated into existing programs.	soundwide			Workgroup convened by 2012, assessment complete by 2013
A	2.1	Obtain Full or Partial Property Interests for Lands at Risk of Conversion or Impacts From Human Activities.	1	To protect areas of ecological importance to Puget Sound Recovery, by 2014, RCO and PSP will revise as necessary the Recreation and Conservation Funding Board and Salmon Recovery Funding Board policies so that, for acquisitions within the Puget Sound Basin, the Aquatic Lands Enhancement Account, Washington Wildlife and Recreation Program Habitat Conservation Account, and Salmon Recovery Funding Board grant programs include 1) a clear method for identifying whether a project is in conflict with the Action Agenda and 2) a clear method, within selection criteria, for identifying whether a project is referenced in the Action Agenda.	soundwide	RCO	PSP	PSP and RCO will revise the Recreation and Conservation Funding Board and Salmon Recovery Funding Board policies as needed to ensure that projects in the Puget sound areas are not in conflict with the Action Agenda
A	2.1	Obtain Full or Partial Property Interests for Lands at Risk of Conversion or Impacts From Human Activities.	2	PSP will convene a task force to develop a funding mechanism to rapidly acquire properties with high ecological value and imminent risk of conversion by 2012.	soundwide	PSP		PSP convenes a task force by 2012

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A	2.1	Obtain Full or Partial Property Interests for Lands at Risk of Conversion or Impacts From Human Activities.	3	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.	soundwide	DNR		The Community Forestry Conservation Act is passed by 2013
A	2.1	Obtain Full or Partial Property Interests for Lands at Risk of Conversion or Impacts From Human Activities.	4	American Farmland Trust will identify farmlands with high ecological value and at imminent risk of conversion by 2013.	soundwide	AFT		Farmlands with high ecological value and at imminent risk of conversion are identified by 2013.
A	2.1	Obtain Full or Partial Property Interests for Lands at Risk of Conversion or Impacts From Human Activities.	5	Forterra, working on behalf of Kitsap County, the Port Gamble S'Klallam Tribe and the Suquamish Tribe, will coordinate funding and agency participation to secure the conservation of ~7,000 acres of land near Port Gamble, including ~2 miles of shoreline, within the next 30 months.	soundwide	Forterra		acres and miles of shoreline protected.
A	2.1	Obtain Full or Partial Property Interests for Lands at Risk of Conversion or Impacts From Human Activities.	6	PSP, working with Forterra, Kitsap County, the Port Gamble S'Klallam Tribe and the Suquamish Tribe will convene the State agencies, federal agencies and federal delegation to seek their engagement in leveraging available resources – from funding to programmatic involvement, as possible – to conserve and restore the ~7,000 property near Port Gamble	soundwide	PSP	Forterra	acres and miles of shoreline protected.
A	2.2	Use Special designations to protect intact areas	1	No near term actions identified				
A	3.1	Create and offer an expanded, integrated suite of incentives and market-based programs that make voluntary stewardship and conservation of private forest and agricultural lands practical and economically rewarding	1	By 2012, the Conservation Commission will work to enhance use of all USDA conservation and habitat restoration program funding, i.e., CREP and EQUIP, which are currently underused by and not tailored for western Washington growers.	soundwide	SCC		Amount of enhancement to habitat restoration program funding
A	3.2	Create a Comprehensive Conservation and Ecosystem Services Market focused on resource lands for the Puget Sound Region	1	DNR will support pilot market transactions for delivery of watershed services from private forest landowners to downstream water beneficiaries in at least the Snohomish and Nisqually watersheds.	soundwide	DNR		A pilot market for delivery of watershed services from private forest landowners will exist in Snohomish and Nisqually watersheds.
A	3.3	Develop a comprehensive strategy for retaining economically viable and long-term successful, working agricultural and forest lands through a collaborative process.	1	By Q3 2013, DNR will identify and lead a collaborative process to develop a comprehensive strategy for retaining economically viable and long-term successful working forestlands.	soundwide	DNR		By Q3 2013 DNR will have initiated a collaborative process
A	3.3	Develop a comprehensive strategy for retaining economically viable and long-term successful, working agricultural and forest lands through a collaborative process.	2	PSP, in collaboration with Agriculture, Ecology, and the Conservation Commission, will convene a series of workshops to engage agricultural stakeholders to identify needs for maintaining the health of the industry, and identify key areas where the agricultural industry can assist in the protection and restoration of Puget Sound	soundwide	PSP		Done or not
A	4.1	Provide the necessary infrastructure and incentives within urban growth areas to accommodate new and re-development.	1	Commerce will launch a regional program similar to the federal sustainable communities program by 2013.	soundwide	Commerce		to be determined

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A	4.2	Enhance and expand the benefits of living in compact communities to increase consumer demand for them.	1	No near-term actions identified				
A	4.3	Enhance and expand the benefits of living in compact communities to increase consumer demand for them	1	No near-term action identified.				
A	5.1	Improve data and information to accelerate floodplain protection, restoration and flood hazard management	1	The PSP will convene a Puget Sound Floodplain Protection and Recovery Policy Team that will: › By 2012, identify the policy and program changes of federal, state and local flood risk reduction, flood mitigation and ecosystem protection and restoration programs to foster multi-objective floodplain management . › By 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. › By 2012, identify a new Floodplain Indicator Champion. › By 2012, use the definition of floodplain function to identify priority opportunities for floodplain compatible agricultural practices. The Ruckelshaus process will be used to create incentive programs to incentivize these practices. › By 2013, identify floodplain areas; prioritize those most important for protection, restoration, farmland preservation or other compatible and non-compatible; and identify the implementation steps needed to protect functioning floodplain areas by 2013. › By 2013, develop a decision making framework that enables agencies to identify cross-agency floodplain project priorities based on their ability to meet multiple goals and delineates a coordinated funding approach, including cost-share mechanisms, for floodplain-friendly modifications to flood protection infrastructure in a cost-effective manner. › By 2013, identify federal, state, local, and private funding to develop 3 case studies that are illustrative of the benefits of a multi-objective approach to floodplain restoration and implement a pilot program to fund projects that leverage the work of the case studies. › By 2013, assess the disincentives for reestablishing habitat land on agricultural lands by 2013	soundwide	PSP		
A	5.1	Improve data and information to accelerate floodplain protection, restoration and flood hazard management	2	PSP will gather data on public perception of flood risks, floodplain function, and the relationship between the two and will include the risks and costs of developing in floodplains and the economic and social benefits/services of preserving and restoring floodplain functions as a top messaging priority in its outreach efforts by 2012.	soundwide	PSP		(status of inclusion of floodplain risks, services and benefits in SP outreach materials) By 2012, all PSP outreach materials related to development includes messaging about floodplain risks and benefits and about services of intact, functional floodplains.
A	5.1	Improve data and information to accelerate floodplain protection, restoration and flood hazard management	3	By the fourth quarter of 2012, synthesizing the results in the July 2010 "Floodplain Management: A Synthesis of Issues Affecting Recovery of Puget Sound" report and other relevant and timely information, the PSP will identify and work with relevant state and federal agencies to 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.	soundwide	PSP		(status of action plan development) By Q4 2012, an action plan addressing programmatic, legislative, administrative, and regulatory changes needed to achieve the floodplain recovery target is drafted.
A	5.2	Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management.	1	None. <i>Many of the actions that support this sub-strategy are located in A5.1. Specifically, work that occurs in A5.1 NTA 1 is the fundamental work that needs to occur to enable alignment of policies, regulations, planning, and agency coordination for multi-benefit floodplain management.</i>				

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A	5.3	Implement and maintain priority floodplain restoration projects.	1	By 2013, PSP will work with Tribes, state and federal resource agencies, local governments, WSDOT, and the environmental community to identify and prioritize the most important existing roadways and bridges that have the biggest impacts on floodplain function and floodplain connectivity. The prioritization criteria will include cost/benefit of repair or replacement of the infrastructure. PSP will work with the owners of public infrastructure (local governments and WSDOT) to crosswalk this prioritized list with their repair and replacement plans and schedules for the next 10-20 years.	soundwide	PSP		(Status of project list) Completion identification of priority projects.
A	5.3	Implement and maintain priority floodplain restoration projects.	2	Salmon Recovery Lead Entities implement highest priority salmon recovery habitat protection and restoration recommendations from WRIA 8, 9, and 10 three-year work plans. For Floodplain Restoration: › Develop concept and preliminary strategy › Conduct economic analysis, including ecosystem goods and services › Ensure integration with floodplain acquisition and restoration plans. (Note: this action is also relevant to Strategy A9.1)	local			Regional salmon recovery metrics (possible examples include: acres restored, linear feet of stream or shoreline restored, fish passage barriers removed, etc.) To what extent are WRIA plan recommendations being implemented? Monitoring and adaptive management strategies: floodplain acres restored linear feet of levee setback, fish use.
A	5.4	Protect and maintain intact and functional floodplains.	1	By 2012, FEMA completes augmented annual reporting requirements relative to the obligations of the 122 communities in Puget Sound to abide by the NMFS NFIP BiOp.	soundwide	FEMA		(status of FEMA reporting requirements) By 2012, FEMA reporting requirements are complete.
A	5.4	Protect and maintain intact and functional floodplains.	2	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 CAO updates on frequently flooded areas	soundwide	Ecology	Commerce	TBD
A	5.4	Protect and maintain intact and functional floodplains.	3	[Placeholder for an NTA on effectiveness monitoring related to status & trends of floodplains]	soundwide			TBD
A	5.5	Protect, enhance, and restore floodplain function on forest and agricultural lands.	1	By 2013, Conservation Districts and Watershed Groups implement three pilot projects that demonstrate ecosystem services markets associated with flood hazard prevention and agricultural lands in floodplains.	soundwide	Conservation Districts		(status of three pilot projects) By 2013, three pilot projects demonstrating ecosystem service markets for floodplains are in place.
A	5.5	Protect, enhance, and restore floodplain function on forest and agricultural lands.	2	The conservation districts, agricultural community, watershed planning groups, and local jurisdictions will use the outputs from the characterization work (A5.1 NTA 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 by 2012.	soundwide	Conservation Districts		(Status of list) By 2012, potential land swaps and candidate areas available to expand for agriculture are identified
A	5.5	Protect, enhance, and restore floodplain function on forest and agricultural lands.	3	PSP, DFW, NOAA, NRCS and others will work with farming communities to implement the Skagit Tidegate Fish Initiative, the Snohomish Sustainable Lands Strategy and other multi-benefit approaches that enable agricultural infrastructure improvements and/or provide regulatory certainty in exchange for restoration actions.	soundwide	PSP	DFW	Acres of restoration projects for which there is farm community support.
A	5.6	Incorporate climate change forecasts into floodplain protection and restoration strategies.	1	By 2012, a representative from Climate Impacts Group will be a member of the PSP Science Panel.	soundwide	PSP		(Status of appointment of representative) By 2012, a member of the Climate Impacts Group serves on the PSP Science Panel
A	5.6	Incorporate climate change forecasts into floodplain protection and restoration strategies.	2	EPA with collaboration from the PSP will work with research study authors, floodplain managers, and other affected parties to distill the current state of knowledge of climate change impacts pertinent to floodplains; identify, assess and prioritize risk factors, and develop adaptations strategies by 2013. Findings will be documented in a published report.	soundwide	EPA	PSP	(Status of published report) By 2013, findings are documented in published report.

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A	5.6	Incorporate climate change forecasts into floodplain protection and restoration strategies.	3	PSP and Ecology will work with EMD, and other interested agencies, to change state comprehensive flood management planning and project funding policies to ensure that plans and projects supported with state funding fully incorporate projected changes to sea level rise, flood frequency and volumes, sediment regimes and other issues that could be a major threat to human safety and floodplain ecosystem health.	soundwide	EMD	Ecology	TBD
A	6.1	Implement and maintain priority terrestrial restoration projects	1	Elwha River Ecosystem Recovery - Stock preservation and weir operation - Monitoring (adults, juveniles, smolts) - Habitat restoration projects	local			Continuous weir operation and monitoring of salmonids (adults, juveniles, and smolts) on the Elwha River
A	6.1	Implement and maintain priority terrestrial restoration projects	2	Implement the Puget Sound Salmon Recovery Plans (Puget Sound Salmon Recovery Plan and Hood Canal/ Eastern Strait of Juan de Fuca Summer Chum Recovery Plan) through the tool of the 3-year Work Plans › North Olympic Peninsula Lead Entity (NOPLE) 3-year Work Plan › NOPLE Elwha revegetation project › NOPLE Dungeness River floodplain restoration, Phase II › NOPLE Elwha Engineered Log Jams › Hood Canal Coordinating Council (HCCC) LE 3-year Work Plan › HCCC LE Snow Creek and Salmon Creek estuary restoration	local			Initiate or significantly advance all of the four specific Priority Actions identified by the Strait ERN for the Strait Action Area
A	6.2	Implement and maintain priority terrestrial restoration projects	1	No near-term action identified.				
A	6.3	Implement restoration actions in urban and suburban areas while balancing the need for these areas to accommodate growth, density and infill development.	1	No near-term action identified.				
A	6.4	Implement stewardship incentive programs to increase the ability of private landowners to undertake and maintain restoration projects.	1	No near-term action identified.				
A	7.1	Reinforce the importance of avoiding and minimizing impacts to resources, particularly those with high ecological value and that are difficult to replace. Develop and implement updated avoidance and minimization guidance consistent with the ecosystem protection decision-making framework described in A1.2.	1	No near-term action identified.				
A	7.2	Establish and implement a watershed-based approach to mitigation.	1	No near-term action identified.				
A	7.3	Support the development and piloting of innovative compensatory mitigation tools including market-based techniques and other approaches		No near-term action identified				

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A	7.4	Improve effectiveness monitoring programs for mitigation sites	1	No near-term action identified.				
A	8.1	Update Puget Sound instream flow rules and to encourage conservation	1	Ecology, with support from WDFW, will set flow rules in three remaining Puget Sound watersheds (WRIA's 16, 18, and 19) that currently do not have instream flow rules within 6 years. Two additional watersheds – San Juan (WRIA 2) and Island (WRIA 6) are not near-term candidates for instream flow rules due to naturally limited freshwater habitat. Priority will be given to critical basins or those with known significant problems meeting instream or out-of-stream demands. By 2013 Ecology will have adopted an instream flow rule for the Dungeness River portion of WRIA 18.	soundwide	Ecology	DFW	Done or not
A	8.1	Update Puget Sound instream flow rules and to encourage conservation	2	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 [date]. By 2013 Ecology will [increment of anticipated progress.]	soundwide	Ecology		Done or not
A	8.1	Update Puget Sound instream flow rules and to encourage conservation	3	Ecology will establish local water masters in each Puget Sound watershed to increase water code compliance and enforcement by [date]. By 2013, Ecology will establish at least one water master in a selected high priority watershed to increase water code compliance and enforcement, this will include providing funding for the water master to be a local contact to water users, provide a local compliance presence, protect the resource, reduce water use, and protect senior water rights, including instream flows.	soundwide	Ecology		Done or not
A	8.2	Water Demand and Water User Conservation: Decrease the amount of water withdrawn or diverted and per capita water use.	1	Building on existing public-private models, public utilities will adopt demand management strategies (such as tiered pricing structures) to discourage inefficient and unnecessary use of municipal water, particularly in flow-limited areas or low flow periods. By 2013, [x] number of utilities will have adopted demand management strategies.	soundwide	Public Utilities		number of demand management strategies adopted; reduction in demand
A	8.3	Implement effective management programs for groundwater.	1	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 complete by [date].	soundwide	Ecology		Done or not
A	9.1	Implement the high priority salmon recovery actions identified in other parts of the Action Agenda and the Biennial Science Work Plan	1	No near-term action identified.				
A	9.2	Implement salmon recovery strategies and actions not listed elsewhere in the Action Agenda.	1	The Puget Sound Steelhead Technical Recovery Team will finalize a population identification report and viability criteria for steelhead populations within the Puget Sound Steelhead Distinct Population Segment	soundwide			to be determined
A	9.2	Implement salmon recovery strategies and actions not listed elsewhere in the Action Agenda.	2	Working through an interdisciplinary team, WDFW will establish (number that will be established by the end of 2013) Wild Steelhead Reserves where no juvenile hatchery steelhead would be released, no recreational fisheries for steelhead would occur, and habitat protection and restoration actions would be accelerated.	soundwide	DFW		to be determined
A	9.3	Maintain the community infrastructure that supports salmon recovery	1	No near-term action identified.				

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A	10.1	Implement species recovery plans in a coordinated way	1	WDFW 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 ecoregions to integrate terrestrial and aquatic species specific recovery plans, existing management tools, and interagency conservation plans into a unified ecosystem approach to set priorities, improve biodiversity protection and restoration efforts and better coordinate them.	soundwide	DFW		A completed Fish and Wildlife Action Plan for Puget Sound by June 30, 2013
A	10.1	Implement species recovery plans in a coordinated way	2	Appropriate state agencies will prioritize implementation of retraction projects identified within existing species recovery plans.	soundwide			
A	10.1	Implement species recovery plans in a coordinated way	3	WDFW will use an augmet existing species plans to create actional work plans for imperiled terrestrial and freshwater species without existing or specific plans.	soundwide	DFW		
A	10.2	Create a more integrated planning approach to protect and enhance biodiversity in the Puget Sound basin	1	No near-term actions identified				
A	11.1	Prevent and rapidly respond to the introduction and spread of invasive species.	1	The Invasive Species Council will expand its baseline assessment to include an additional 15 of the Council's priority invasive species.	soundwide	ISC		Complete assessment by June 30, 2015.
A	11.1	Prevent and rapidly respond to the introduction and spread of invasive species.	2	The Invasive Species Council, in collaboration with PSP, will begin developing an early detection and monitoring program plan for priority invasive species in Puget Sound. The Council and PSP will coordinate the plan and implementation efforts with the Puget Sound Coordinated Ecosystem Monitoring and Assessment Program.	soundwide	ISC	PSP	Develop work plan and cost estimates by June 30, 2015.
A	11.1	Prevent and rapidly respond to the introduction and spread of invasive species.	3	DFW will prepare to respond to a potential zebra/quagga mussel invasion in the Puget Sound Basin.	soundwide	DFW		Complete a management plan by June 30, 2015.
A	11.1	Prevent and rapidly respond to the introduction and spread of invasive species.	4	DFW will develop a plan with the objective of limiting the spread of New Zealand mud snails in the Puget Sound basin.	soundwide	DFW		Change in the number of known areas or acreage infested with New Zealand or change in the number of known locations containing mudsnails.
A	11.2	Answer key invasive species research questions and fill information gaps.	1	The Washington Invasive Species Council and PSP will initiate a risk assessment to evaluate the environmental and economic impacts of invasive species in the Puget Sound Basin and incorporate short-term climate change considerations.	soundwide	ISC	PSP	Complete risk assessment by June 2015.
B	1.1	Ensure complete, accurate and recent information directly assists shoreline planning and decision making at the site-specific and regional levels	1	PSP will develop workplan for implementing a network of marine protected areas in Puget Sound.	soundwide	PSP	DFW	Puget Sound Partnership's Hershman Fellow creates detailed workplan by September 30, 2012.
B	1.1	Ensure complete, accurate and recent information directly assists shoreline planning and decision making at the site-specific and regional levels	2	Identify human use patterns for marine areas in Puget Sound by 2013, to support marine spatial planning and the development of a network of marine protected areas.	soundwide	Ecology		Analysis done or not; NOAA applies its mapping methodology to Puget Sound and/or UW studies prerequisites for social acceptance and success. Number of workshops held or surveys conducted.
B	1.2	Monitor projects to effectively evaluate results and implement adaptive management.	1	No near-term actions identified				

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B	1.3	Use outreach and education to encourage actions to protect and restore nearshore and marine habitats.	1	San Juan County Community Development and Planning Department (CDPD) and the Town of Friday Harbor will make ongoing technical assistance (best management practices) available on-site to 100% of permit applicants, with a goal of 75% of customers avoiding hard armoring or otherwise implementing soft armoring techniques by 2014. This work will leverage the effort underway via EPA grant funding and shoreline workshops coordinated by Friends of the San Juans, San Juan Islands Conservation District, and Washington Sea Grant.	local	SJC		to be determined
B	2.1	Take actions that protect priority nearshore physical and ecological processes consistent with the Soundwide restoration priorities identified in B1.1.	1	[WHO] will use acquisition and regulatory protections to permanently protect at least 10% of bluff-backed beaches with high sediment supply potential facing shoreline development pressure.	soundwide			PSNERP Strategies document (and targeted analysis by Cereghino) points to added protection of 2 of 18 such beaches to satisfy benchmark; consistency with Soundwide restoration priorities identified in B1.1
B	2.1	Take actions that protect priority nearshore physical and ecological processes consistent with the Soundwide restoration priorities identified in B1.1.	2	Ecology will provide funding and 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 SMPs in a manner that validates achievement of no net loss of ecological function.	soundwide	Ecology		to be determined
B	2.1	Take actions that protect priority nearshore physical and ecological processes consistent with the Soundwide restoration priorities identified in B1.1.	3	Shoreline Master Program Updates, Implementation, and Intergovernmental Coordination (Jefferson County, Clallam County and cities of Port Townsend, Sequim, and Port Angeles) - City of Port Townsend SMP – stormwater education - City of Port Townsend SMP – bulkhead removal - City of Port Townsend SMP – restore native marine riparian vegetation - City of Port Angeles SMP Update - City of Sequim SPM Update - Jefferson County SMP – Annual Restoration Planning Summit - Jefferson County SMP – Assess shoreline restoration progress - Jefferson County SMP – Identify and implement shoreline armoring, riparian enhancement, fill removal and culvert replacement projects - Jefferson County SMP update - Clallam County SMP implementation - Clallam County SMP adaptive management - Clallam County SMP update - Ecosystem valuation - Enhanced shoreline protection - Finfish aquaculture speaker forum	local			Develop the economic baseline (Ecosystem Valuation) for the ecosystem functions that will be monitored by the No Net Loss indicators for all 5 local jurisdictions within the Strait Action Area Alternative Option: Initiate or complete 30% of the new Priority Actions identified by the Strait ERN for the Strait Action Area
B	2.2	Prevent new shoreline armoring except where it is required to protect existing infrastructure from imminent risk.	1	WDFW will use best available science to revise Hydraulic Code Rules (chapter 220-110 WAC) and clarify conditions under which hydraulic projects must be conducted to prevent or mitigate the impacts to fish life and habitat.	soundwide	DFW		Rulemaking complete or not
B	2.3	Where armoring is aging or non-protective, seek opportunities for permanent removal or the use of soft armoring replacement or landward setback techniques.	1	No near-term action identified. <i>Near-term actions associated with soft armoring and green shorelines are described in B3.2</i>				
B	2.4	Take actions to protect migratory corridors and vegetation particularly in sensitive areas such as eelgrass beds.	1	Through revision of WAC 220-110, WDFW will limit construction of new overwater structures in ecologically sensitive areas and improve the design of new structures (for example, dock grating to allow light penetration).	soundwide	DFW		Done or not.

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B	2.4	Take actions to protect migratory corridors and vegetation particularly in sensitive areas such as eelgrass beds.	2	For state-owned aquatic lands, DNR, in consultation with WDFW and Ecology, will identify potential permit, economic, and social incentives for community use docks.	soundwide	DNR		Done or not; number of community use docks (increase).
B	2.4	Take actions to protect migratory corridors and vegetation particularly in sensitive areas such as eelgrass beds.	3	DNR, in consultation with WDFW, Ecology, RCO, and State Parks will publish design guidance on construction, repair and rebuilding of overwater structures to increase light by 2012.	soundwide	DNR		Done or not.
B	2.5	Take actions that protect intact marine environments and priority marine physical and ecological processes consistent with the Soundwide restoration priorities identified in B1.1.	1	TNC, PSP, WDFW, and DNR will evaluate the effectiveness of Puget Sound MPAs to increase protections for rockfish, forage fish habitat and/or species in existing	soundwide	TNC	PSP	Gap analysis by TNC by Spring 2012; PSP, DNR, and WDFW identify protection gaps provided by current MPAs by September 2012
B	2.5	Take actions that protect intact marine environments and priority marine physical and ecological processes consistent with the Soundwide restoration priorities identified in B1.1.	2	San Juan County Lead Entity for Salmon Recovery will target funding to highest Tier I salmon recovery projects between 2012-2014, as listed in the San Juan Salmon Recovery three-year work plan for WRIA 2. Projects include acquisition and conservation easements, protection and restoration actions.	local	SJC		to be determined
B	2.5	Take actions that protect intact marine environments and priority marine physical and ecological processes consistent with the Soundwide restoration priorities identified in B1.1.	3	San Juan County Lead Entity for Salmon Recovery will identify priority habitats for acquisition by 2013 in updates to the Salmon Recovery strategy, and will lead acquisition of, or establishment of conversation easements for 25% of priority habitat acreage with willing sellers/owners by 2014.	local	SJC		to be determined
B	2.6	Give permitting agencies and local governments the tools and resources they need to ensure protection of nearshore and marine environments.	1	[Who], in coordination with DNR, will create a coordinated permit review and decision making process for shoreline substantial development permits [other types of permits?] to provide additional efficiency and predictability for applicants and promote permitting agencies working together to ensure nearshore protection	soundwide		DNR	Done or not; how coordinated instead of sequential permits are and/or how quickly permit decisions are made
B	2.6	Give permitting agencies and local governments the tools and resources they need to ensure protection of nearshore and marine environments.	2	San Juan Community Development and Planning Department (CDPD) and the Town of Friday Harbor will provide capacity for technical assistance related to compliance with environmental regulations by 2013.	local	SJC		to be determined
B	3.1	Use a variety of mechanisms to advance priority restoration projects.	1	[Who] will ensure implementation of restoration projects identified in the Puget Sound Nearshore Ecosystem Restoration Project (PSNERP) Strategic Restoration Conceptual Engineering – Final Design Report with an emphasis on projects for which 10% design exists by [date]. [Add increment of progress on this anticipated by 2013.]	soundwide	PSP		Number of projects funded; number implemented; amount of various nearshore habitats restored
B	3.1	Use a variety of mechanisms to advance priority restoration projects.	2	DNR will increase the beneficial re-use of clean dredged material, by creating a regional system that can link material supply to demand before dredging occurs.	soundwide	DNR		Increase in the amount of clean dredged material reused
B	3.1	Use a variety of mechanisms to advance priority restoration projects.	3	DNR, in collaboration with Tribal Governments, Ecology, DFW, and DOH, will develop and implement a strategy to reduce impacts from outfalls on state-owned aquatic lands in Puget Sound. Strategy development, including an implementation work plan, will be complete by 4Q 2013.	soundwide	DNR		Strategy complete or not; impact reduction.

Strategy	Subtask	Sub-Strategy Text	NTA #	NTA Description	NTA Type	Owner	Secondary Owner	Performance Measure
B	3.2	Provide incentives to encourage removal of armoring and associated fill and use of soft armoring techniques when bulkheads fail, need repair, and during redevelopment.	1	[Who] will capitalize a low interest loan program to help homeowners remove armoring and restore nearshore processes and to replace hard armoring with soft shore or similar techniques [by when].	soundwide			Number of loans; Miles of bulkhead replaced w/ soft armoring
B	3.2	Provide incentives to encourage removal of armoring and associated fill and use of soft armoring techniques when bulkheads fail, need repair, and during redevelopment.	2	[Who] will create a recognition program to highlight retrofits, redevelopments, bulkhead removals, and soft shoreline projects that demonstrate key techniques and restore nearshore processes by [when].	soundwide	DFW	PSP	Program in place or not; number of awards.
B	3.3	Implement priority marine restoration actions consistent with the Soundwide restoration priorities identified in B1.1.	1	The Northwest Straits Commission will complete development of a new methodology for deep-water net removal.	soundwide	NSC		Done or not
B	3.4	Accelerate restoration projects on public lands where government can lead by example.	1	State Parks will identify opportunities to provide nearshore restoration including removing hard armoring at Parks and will implement at least [number] feet of nearshore restoration including armoring removal by [date].	soundwide	Parks		Done or not; miles removed
B	3.4	Accelerate restoration projects on public lands where government can lead by example.	2	DNR will convene appropriate state agencies such as WDFW and State Parks to prioritize restoration projects within protected landscapes such as Aquatic Reserves and State parks to ensure maximum long-term benefit from habitat restoration.	soundwide	DNR		Done or not
B	4.1	Ports/Marine Industry: 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.	1	[Who] will explore options for expanding the phase-out of copper bottom paint to include ships over 65 feet in length and/or commercial vessels of various sizes.	soundwide			Working group formation and development of recommendations toward reaching the goal of expanded copper bottom paint phase-out.
B	5.1	Increase access to publically owned Puget Sound shorelines	1	No near-term action identified.				
B	5.2	Increase public access to the marine ecosystem.	1	No near-term action identified.				
B	6.1	Improve data and information to protect eelgrass in sensitive areas	1	No near-term action identified.				
B	6.2	Use a variety of mechanisms to advance priority eelgrass restoration projects	1	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 their resilience to stressors. This will include identification of sites on state-owned aquatic lands with a focus on areas with long-term protections already in place.	soundwide	DNR		Maps defining potential eelgrass restoration sites; site evaluations; final recommendations – completed by Dec 2013 (done or not); state aquatic land work complete by January 2013.
B	7.1	Implement existing biodiversity plans in a coordinated way while a more integrated planning approach is created.	1	No near-term action identified.				
B	7.2	Implement existing marine and nearshore species recovery plans in a coordinated way.	1	Appropriate state agencies will prioritize the implementation of their restoration projects identified within existing marine & nearshore species recovery plans.	soundwide			

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B	7.2	Implement existing marine and nearshore species recovery plans in a coordinated way.	2	Use and augment existing species plans to create actionable work plans for imperiled species without existing or specified plans. Such species include: Geoduck Clam, Pinto Abalone, Olympia Oyster, Dungeness Crab, Pacific Hake, Pacific Cod, Walleye Pollock, and Rockfish	soundwide	DFW	PSP	Number of actionable work plans for imperiled species currently lacking such plans
B	8.1	Prevent and rapidly respond to the introduction and spread of marine invasive species.	1	The Invasive Species Council 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.	soundwide	ISC		Assessment completed by June 30, 2015
B	8.1	Prevent and rapidly respond to the introduction and spread of marine invasive species.	2	The Invasive Species Council, in collaboration with PSP, will begin developing an early detection and monitoring program plan for priority invasive species in Puget Sound. The Council and PSP will coordinate the plan and implementation efforts with the Puget Sound Coordinated Ecosystem Monitoring and Assessment Program.	soundwide	ISC	PSP	Develop work plan and cost estimates by June 30, 2015.
B	8.1	Prevent and rapidly respond to the introduction and spread of marine invasive species.	3	DFW will evaluate options for managing invasive species transported on and in the hulls of commercial ships.	soundwide	DFW		Complete literature survey and draft recommendations by June 30, 2015.
B	8.1	Prevent and rapidly respond to the introduction and spread of marine invasive species.	4	DFW will complete an assessment of the effectiveness of open sea exchange and treatment in meeting state ballast water standards.	soundwide	DFW		Complete report and make available to resource managers and the public by June 30, 2015.
B	8.2	Answer key invasive species research questions and fill information gaps.	1	The Washington Invasive Species Council and PSP will initiate 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.	soundwide	ISC	PSP	Complete risk assessment by June 2015.
C	1.1	Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment	1	Ecology, working with its partners, will complete a PAH CAP by 2012 and a CAP for PFOS or all PFCs by 2013, and begin to implement the recommendations from the Plans. (Wood smoke actions in the PAH CAP will build from the control strategies outlined in the Tacoma SIP for fine particulates. The PAH CAP may also include recommendations such as diesel fleet retrofit activities and/or electrical shore power for ships at Port facilities. The PFOS/ PFC CAP will include an evaluation of safer alternatives and recommendations for reducing use of PFOS and/or PFCs.)	soundwide	Ecology		PAH chemical action plan completed or not, pounds/year of PAH reduced
C	1.1	Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment	2	Ecology will establish a mercury lamp product stewardship program by 2013.	soundwide	Ecology		Program established or not, pounds/year of mercury reduced
C	1.1	Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment	3	Water Quality and Sediment Standards Updates: The Northwest Indian Fisheries Commission and several tribes in the Puget Sound region (and other areas of the state) are examining existing information on fish consumption and in 2012 will provide recommendations to Ecology on tribal consumption rates to support the revisions to the standards. In 2012, Ecology plans to revise the state's sediment quality standards and begin the process to revise the water quality standards to reflect up-to-date information about rates of fish and shellfish consumption in Washington.	soundwide	NWIFC	Ecology	Standards revised and tribal consumption rates addressed or not
C	1.1	Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment	4	The Washington Department of Agriculture will assemble data on non-agricultural use of copper-based pesticides in Washington based on changes in registration status on copper containing pesticides and comparing and contrasting use patterns in Washington and California. This work will begin with estimates of urban landscape/homeowner use and will expand to commercial applicators if funding is available.	soundwide	AGR		report by Dec. 2012 providing refined estimates of urban landscape/homeowner uses of copper in Puget Sound.

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C	1.1	Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment	5	Alternatives to Copper in Pesticides: Ecology and the Washington Department of Agriculture will evaluate alternatives to copper in pesticides to identify whether safer alternatives are available and commercially viable. Based on the alternatives analysis results, the agencies will explore options to limit the use of copper-based pesticides, if better alternatives are available.	soundwide	AGR	Ecology	identification of alternatives to copper in pesticides; identification of options to limit the use of copper-based pesticides for residential use
C	1.1	Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound environment	6	Monitoring and Assessment: PSP and the agencies involved in toxics source-reduction programs in the Puget Sound region—including air, stormwater, wastewater, and toxics reduction programs at Ecology, DNR, DOH, and local jurisdictions—will develop a long-term Puget Sound toxics monitoring and assessment program that will cover (1) status and trends monitoring of toxics in and released to Puget Sound; (2) effectiveness of strategies and actions to reduce and prevent toxic chemicals from entering the Puget Sound environment; and (3) annual progress reports that compile information on results and effectiveness from multiple programs. To avoid redundancy and improve program design, this toxics-focused effort will be coordinated with and through the Puget Sound Assessment and Monitoring Program. Provided that funding is obtained, the agencies would seek to make recommendations for monitoring in 2012, and develop a monitoring plan in 2013.	soundwide	PSP		Monitoring and assessment plan developed or not
C	1.2	Promote the development and use of safer alternatives to toxic chemicals.	1	By 2013, Ecology will work with the Interstate Chemicals Clearinghouse (IC2) to develop a guidance document on chemical alternatives assessment and will complete assessments of five chemicals to identify safer alternatives. In the same timeframe, 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. To support the task force's work, Ecology will solicit information from manufacturers on the presence of toxic chemicals in roofing materials. Using any data from manufacturers or previously published studies, Ecology will create and implement a sampling strategy to assess the release of contaminants from different roofing materials. The task force will use this information to develop its recommendations.	soundwide	Ecology		Guidance document developed or not; alternatives assessments complete or not; study of toxic materials in roofing materials completed or not; task force recommendations developed or not
C	1.2	Promote the development and use of safer alternatives to toxic chemicals.	2	Ecology and key stakeholders in business, government, and academia will develop a green chemistry road map for Washington by 2012 outlining ways to promote the adoption of green chemistry practices. Ecology will begin implementation of the recommendations in the roadmap and advance green chemistry practices through the Green Chemistry Roundtable, which includes government, business, and non-governmental partners. By 2013, Ecology will host a green chemistry conference in the region.	soundwide	Ecology		Green chemistry road map developed or not, green chemistry conference held or not
C	1.3	Adopt and implement plans and control strategies to reduce toxic releases into the Puget Sound from air emissions.	1	None.				
C	1.4	Provide education and technical assistance to prevent and reduce toxic releases.	1	Landscaper Certification: By 2013, Ecology will work with the Washington Department of Agriculture, business associations, and other stakeholders to establish a landscaper certification program to promote environmentally friendly landscape development and maintenance practices. The program would be designed to improve habitat and water quality by reducing the use of pesticides containing toxic chemicals, reducing the use of fertilizers, reducing use of water for irrigation, reducing runoff from landscaped properties, and reducing emissions from landscape equipment.	soundwide	Ecology	AGR	Program established or not, number of accredited professionals or certified sites (or other participation measure)

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C	1.4	Provide education and technical assistance to prevent and reduce toxic releases.	2	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.	soundwide	Ecology		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
C	1.5	Increase compliance with and enforcement of environmental laws, regulations, and permits.	1	Increase Ecology’s hazardous waste, wastewater, and air quality compliance inspection and enforcement programs in the Puget Sound.	soundwide	Ecology		Number of compliance inspections completed per year, pounds of hazardous wastes and air pollutants reduced per year, volume of wastewater discharges reduced per year
C	2.1	Manage urban runoff at the basin and watershed scale	1	Protect best remaining streams: King County, in cooperation with agencies populating the Puget Sound Stream Benthos database, identifies and maps remaining streams with B-IBI scores of at least 42–46 and develops an overall strategy and tailored actions to protect these areas.	soundwide	King Cty		Map of targeted streams delivered six months after receiving funding; strategies and actions to protect targeted stream drainages delivered 12 months after receiving funding.
C	2.1	Manage urban runoff at the basin and watershed scale	2	System mapping: A lead, to be determined, in cooperation with local governments, WSDOT, and Department of Natural Resources, helps improve understanding and management of the region’s stormwater infrastructure by developing protocols, methodology and definitions for stormwater system mapping, and developing geo-referenced databases that can be compiled into a regional geo-referenced database of the Sound’s regulated, municipal stormwater system.	soundwide	Ecology	PSP	Protocols, methodology and definitions to guide mapping and documentation efforts by March 2013; completed geo-referenced database by December 2013
C	2.2	Prevent problems from new development at the site & subdivision scale	1	Within NPDES municipal permitted areas: Ecology provides financial assistance to permittees for implementation, particularly for code changes, stormwater system mapping, operations and maintenance, inspections and enforcement. Provide additional resources to Ecology for permit oversight, technical assistance, and enforcement. Provide incentives to NPDES permittees who, by interlocal agreement, lead or carry out regional or watershed scale NPDES implementation.	soundwide	Ecology		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.
C	2.2	Prevent problems from new development at the site & subdivision scale	2	Treatment standards: Ecology evaluates 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.	soundwide	Ecology		Evaluation with supporting documentation by March 2014
C	2.2	Prevent problems from new development at the site & subdivision scale	3	Outside permitted areas: Ecology, in coordination with the state Department of Health, identifies two high priority shellfish growing areas degraded by urban stormwater discharges and works with local governments and other key parties to reduce these impacts to the areas.	soundwide	Ecology		Assistance provided to non-permitted local governments by September 2012; documentation of reduced impacts.
C	2.2	Prevent problems from new development at the site & subdivision scale	4	Vesting: Washington Stormwater Center or Puget Sound Institute assesses projected implications and impacts of current state vesting laws on aquatic resources and beneficial uses. Prepare report for the Science Panel, ECB and LC.	soundwide	Stormwater Center	PSI	Report on projected implications and impacts of current vesting laws developed and shared by December 2012.
C	2.2	Prevent problems from new development at the site & subdivision scale	5	San Juan County Community Development and Planning Department (CDPD) and the Town of Friday Harbor will improve the stormwater permit review process with pre-disturbance site review and follow-up site visits at 50% of properties permitted between 2012-2013 and 50% of properties permitted between 2013-2014.	local	SJC		

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C	2.2	Manage urban runoff at the basin and watershed scale	6	Stormwater Management Program Updates and Implementation (Clallam, Jefferson, Port Angeles, Sequim, and Port Townsend) › City of Port Townsend stormwater management plan › City of Sequim stormwater management plan › City of Port Angeles CSO reduction › City of Port Angeles NPDES stormwater management program implementation › Jefferson County public education plan implementation › Jefferson County low impact development and BMP staff training › Jefferson County low impact development and BMP training for development community › Clallam County stormwater technical assistance › Clallam County outreach and education › Clallam County stormwater monitoring a data analysis › Clallam County stormwater management staff training › Clallam County land use analysis › Clallam County stormwater management plan › Speaker forum on reducing stormwater impacts from roads (Note: this action is also relevant to Strategies C2.2, C2.3, C2.4, C2.5, and C2.6)	local			Adoption of LID incentives and ordinances by all 5 Strait Action Area local jurisdictions Alternative Option: Initiate or complete 25% of the new Priority Actions identified by the Strait ERN for the Strait Action Area
C	2.3	Fix problems caused by existing development (structural upgrades; regular & enhanced maintenance)	1	Retrofits: The Puget Sound Regional Council, building on retrofit prioritization work funded by the EPA in King County and elsewhere, identifies the top priority retrofit projects associated with the transportation infrastructure in the urbanized portions of King, Pierce, Kitsap and Snohomish counties and completes conceptual design to a stage sufficient to seek project implementation funding. The project should be replicable in other urban and suburban areas around the Sound.	soundwide	Ecology	PSP	New regional stormwater retrofit prioritization process and list of projects by December 2012.
C	2.3	Fix problems caused by existing development (structural upgrades; regular & enhanced maintenance)	2	Restore degraded streams: King County, in cooperation with agencies populating the Puget Sound Stream Benthos database, identifies and maps stream drainages with “fair” B-IBI scores, and develops prioritized list, strategies and actions to improve scores of 30 of these streams.	soundwide	King Cty		Map of targeted drainages six months after providing funding; prioritized list for restoration and strategies, actions, and budgets 12 months afterwards.
C	2.3	Fix problems caused by existing development (structural upgrades; regular & enhanced maintenance)	3	Legacy pollutants: Ecology, in cooperation with local governments, provides guidance and financial assistance to local governments to help them remove legacy pollutant loads from their stormwater systems.	soundwide	Ecology		Shared guidance; financial assistance to permittees by December 2013.
C	2.4	Control sources of pollutants	1	Ecology and local governments increase inspection, technical assistance, and enforcement programs for high-priority businesses and at construction sites.	soundwide	Ecology		Increased number of inspections, technical assistance, and enforcement activities by December 2012
C	2.4	Control sources of pollutants	2	PSP, in cooperation with WSDOT and an advisory committee, convenes a group to discuss options for developing a new program to inspect and eliminate privately-owned vehicle drips and leaks.	soundwide	PSP	WSDOT	Report on options, benefits, costs, feasibility by June 2013
C	2.4	Control sources of pollutants	3	San Juan County Public Works will convene Community Development and Planning Department (CDPD), Department of Health and Community Services (DHCS), and the San Juan Islands Conservation District (CD) to identify and coordinate best management practices for stormwater, on-site septic systems, and animal wastes with community participation by 2013. CDPD, DHCS, CD, and the Town of Friday Harbor will publicize information by the second quarter of 2014 at the DHCS, CDPD, and Town permit counters and associated websites, with a goal to target 100% of applicants by the end of 2014. San Juan County will provide for identified best management practices in County Code by 2014.	local	SJC		

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C	2.5	Provide focused stormwater-related education and training	1	Washington Stormwater Center; Ecology and PSP provide focused training for local government staff on LID 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.	soundwide	Stormwater Center	PSP	Increased professional training with additional emphases on topics listed; new certification for maintenance specialists; new source control training for businesses.
C	2.6	Assess effectiveness of actions and effects on the environment	1	San Juan County Public Works Stormwater Utility will lead and work jointly with the Stormwater Committee, the Water Resources Committee, the Marine Resources Committee, and the Town of Friday Harbor to implement an annual strategic monitoring plan by 2013 to measure levels of fecal coliform bacteria, heavy metals, persistent organic pollutants, and polycyclic aromatic hydrocarbons in priority basins to test the effectiveness of BMPs. In the first year post-implementation, monitor 100% of priority basins, with monitoring actions ongoing after 2014	local	SJC		to be determined
C	3.1	Target voluntary and incentive-based programs in ways that will best contribute to Puget Sound recovery.	1	The State Conservation Commission and the departments of Agriculture, Ecology and Health should identify priority areas and resource impacts to target areas where implementation of voluntary incentive programs for rural unincorporated landowners, small-acreage landowners, working farms and nurseries can complement regulatory efforts and where they can best contribute to Puget Sound protection and recovery.	soundwide	SCC	AGR	Identification of areas and implementation of programs in these areas
C	3.1	Target voluntary and incentive-based programs in ways that will best contribute to Puget Sound recovery.	2	[Placeholder: The Department of Ecology, in collaboration with the Department of Agriculture and the Conservation Commission will identify an approach to ensure best management practices achieve water quality standards.]	soundwide	Ecology	AGR	complete or on
C	3.1	Target voluntary and incentive-based programs in ways that will best contribute to Puget Sound recovery.	3	[Placeholder: [WHO] will report on the effectiveness of incentive programs to achieve resource objectives, with a particular focus on water quality standards. Participation will be sought from: PSP, Ecology, Agriculture, Health, the Conservation Commission, Conservation Districts, Federal agencies, and Tribes.]	soundwide			done or not
C	3.2	Ensure compliance with regulatory programs designed to reduce, control or eliminate pollution from working farms.	1	Ecology will issue an updated CAFO permit in 2012.	soundwide	Ecology		updated CAFO permit issued or not
C	4.1	Demonstrate achievement of water quality standards through implementation of the Forest and Fish Report on state and privately owned working forests.	1	DNR and Ecology obtain an independent performance review of the Forest Practices AMP to include an evaluation of the structure and function of the program, based on its performance, efficiency and accountability and stabilize and diversify funding for the Forest Practices AMP, training and certification, compliance monitoring, and enforcement.	soundwide	DNR	Ecology	to be determined
C	4.2	Ensure road maintenance and abandonment plans on working forestland subject to the Forest Practices Rules are completed on schedule.	1	No near-term actions identified.				
C	4.3	Ensure road systems in Federal forests meet the same substantive standards for maintenance and abandonment under the Washington Forest Practices rules as those state and privately owned forests.	1	No near-term actions identified.				

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C	5.1	Effectively manage and control pollution from small on-site sewage systems.	1	DOH, in consultation with Local Health Jurisdictions (LHJs), will evaluate the effectiveness of the state OSS rule, identify potential changes, and outline recommendations to the State Board of Health by 2013.	soundwide	DOH	LHJs	Done or not
C	5.1	Effectively manage and control pollution from large on-site sewage systems.	2	LHJs will work to inventory, inspect, and fix OSS and designate areas for enhanced management to make progress on the OSS ecosystem recovery target. To support this, DOH will work with LHJs to identify successes and best practices and develop common performance standards and recommend approaches to improve this work.	soundwide	DOH	LHJs	progress towards the OSS ecosystem recovery target; information sharing on best practices, etc.
C	5.1	Effectively manage and control pollution from small on-site sewage systems.	3	DOH will evaluate public domain OSS 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 complete by December 2013 and standards/guidance development, if needed, will begin after that.	soundwide	DOH		Evaluation complete or not; standards and guidance (if appropriate) done or not; number of OSS where nitrogen reduction technologies are deployed.
C	5.1	Reduce the concentrations of contaminant sources of pollution conveyed to wastewater treatment plants through education and appropriate regulations, including improving pre-treatment requirements.	4	San Juan County Health and Community Services will fully implement the On-site Sewage System (OSS) Operation and Maintenance Program Plan, with a goal of 100% of systems in sensitive areas in compliance and current with inspections by 2014 and 60% of alternative systems to have inspections between 2010-2014.	local	SJC		to be determined
C	5.2	Effectively manage and control pollution from large on-site sewage systems.	1	No near-term actions identified.				
C	5.3	Improve and expand funding options for small on-site sewage systems and local OSS programs.	1	DOH, Ecology, and 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 OSS owners repair and replace their systems.	soundwide	DOH	PSP	Loan program in place or not; coverage of loan program; capitalization of loan program; number of homeowners assisted; improvements in OSS/LOSS compliance rates
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.	1	Ecology will evaluate expanded monitoring of phthalates in priority pollutant scans for all industrial users in pretreatment programs by 2013.	soundwide	Ecology		Done or not; number of industrial users who complete phthalates scans.
C	6.2	Reduce pollution loading to Puget Sound by preventing and reducing Combined Sewer Overflows.	1	No near-term actions identified.	soundwide			
C	6.3	Improve the reliability of the wastewater collection system by reducing inflow, infiltration and exfiltration.	1	No near-term actions identified.				
C	6.4	Implement priority upgrades of municipal and industrial wastewater facilities in urban and urbanizing areas to increase the effectiveness of treatment and reduce pollution loads to Puget Sound.	1	No near-term actions identified.				

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C	6.5	Ensure all centralized wastewater treatment plants meet discharge permit limits through compliance monitoring, technical assistance, and enforcement where needed.	1	No near-term actions identified.				
C	6.6	Promote appropriate reclaimed water projects to reduce pollutant loading to Puget Sound.	1	No near-term actions identified.				
C	7.1	Include assessment of cumulative impacts in planning and permitting for centralized and decentralized wastewater systems in comprehensive plans.	1	Commerce, Ecology, and DOH will encourage communities to more comprehensively provide for wastewater treatment on a watershed basis, using water budgeting tools and striving to use all water resources available (including reclaimed water) to meet the needs of people and the environment by aligning existing plans and planning processes to more effectively meet wastewater treatment and management needs. This might take the form of a pilot program in a watershed that has or will soon have a full TMDL assessment and a water cleanup plan.	soundwide	Commerce	Ecology	Pilot project done or not
C	7.1	Include assessment of cumulative impacts in planning and permitting for centralized and decentralized wastewater systems in comprehensive plans.	2	Commerce, 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 one pilot project by 2012.	soundwide	Commerce	Ecology	Pilot program in place or not.
C	8.1	Establish No Discharge Zones for commercial and/or recreational vessels in all parts of Puget Sound that have nutrient and/or pathogen problems, have high vessel use, or are significant sources for shellfish production.	1	By Fall of 2013 Ecology and DOH, in coordination with the Department of Natural Resources, will conduct an evaluation and draft a petition to EPA to establish a NDZ for commercial and recreational vessels to eliminate bacteria, nutrients, and pathogens from being discharged to all or parts of Puget Sound. The evaluation will include researching petition requirements; gathering background information and pump-out station data for the petition; identifying, reaching out to, and getting input of stakeholders; identifying and prioritizing which areas of the Puget Sound are feasible for petition; and evaluating how to implement the designation.	soundwide	Ecology	DOH	Done or not.
C	8.1	Establish No Discharge Zones for commercial and/or recreational vessels in all parts of Puget Sound that have nutrient and/or pathogen problems, have high vessel use, or are significant sources for shellfish production.	2	Ecology and DOH, with National Estuary Program grant funding, will coordinate with Washington State Parks' Clean Vessel Program to assist in construction, repair and monitoring of pump-out stations to meet requirements of the NDZ petition.	soundwide	Ecology	DOH	Number of pump-out stations added or improved. Amount of sewage pumped out. Pump out capacity is able to support a NDZ designation.
C	8.2	Control other sources of boat and vessel pollution including oils and other toxics.	1	No near-term actions identified.	soundwide			
C	9.1	Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas.	1	Replicate model programs, such as those in Henderson Inlet and Oakland Bay, that create coordinated, locally-driven efforts to protect and improve shellfish harvest areas. Create a best practices library or menu highlighting successful strategies so that jurisdictions do not have to reinvent the wheel.	soundwide			Best practices library complete or not; number of replicate efforts/programs.

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C	9.1	Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas.	2	[Who?] will convene a forum of stakeholders and regulatory agencies involved in the restoration of water quality in shellfish growing areas to: § Assess how state and federal agencies can enhance local governments' efforts to respond to threatened and downgraded shellfish areas. § Develop an agreement between state agencies regarding roles and responsibilities. § Identify methods and tools that help identify and correct nonpoint pollution problems. § Provide incentives for local governments for the long-term protection of shellfish growing areas.	soundwide			Done or not
C	9.2	Restore and enhance native shellfish populations	1	No near-term actions identified.				
C	9.3	Encourage environmentally responsible shellfish aquaculture and enhancement of the recreational harvest based on sound science.	1	[DNR] will work with stakeholders to create pilot projects testing the use of mussel culture or other suspended or beach culture to mitigate nitrogen pollution in sensitive areas, such as the project in Quartermaster Harbor. This aquaculture application may serve to encourage public-private opportunities to reduce nitrogen impacts that are both efficient and cost effective and provide an alternative to advanced wastewater treatment technology.		DNR		Number of replicate projects
C	9.3	Encourage environmentally responsible shellfish aquaculture and enhancement of the recreational harvest based on sound science.		Ecology will revise the Shoreline Master program Guidelines or create targeted guidance handbook on aquaculture for local governments based on Sea Grant research and other vetted sound science suitable for application in Puget Sound.				Done or not
C	9.4	Resolve competing priorities between aquaculture and nearshore, habitat and upland uses.	1	[Who] will support pre-planning and implementation of marine spatial planning and local shoreline master program updates by: gathering, compiling an ground-truthing baseline information on current aquaculture and filling data gaps and completing research to identify areas that are suitable and unsuitable for future shellfish aquaculture.	soundwide			to be determined
C	9.5	Implement Washington State's Shellfish Initiative	1	[PLACEHOLDER: Discussions are ongoing about implementation of these policies/initiatives relative to Puget Sound shellfish and near term actions will be added as they are identified. Some issues that may be addressed are: creating a communication plan for shellfish; promoting native shellfish restoration and recreational shellfish harvest; ensuring clean water to protect and enhance shellfish beds.]	soundwide			
C	10.1	Spill Prevention: Emphasize use of risk-based approaches to improve marine safety and protect our environment, economy and quality of life	1	Assess trends in ship traffic, vessel incidents and incident notifications for use in targeting inspections and setting standards.	soundwide	Ecology		Assessment complete or not
C	10.1	Spill Prevention: Emphasize use of risk-based approaches to improve marine safety and protect our environment, economy and quality of life	2	Evaluate marine traffic risk assessment models that could be used to develop appropriate oil spill risk reduction measures.	soundwide	Ecology		Evaluation complete or not
C	10.1	Spill Prevention: Emphasize use of risk-based approaches to improve marine safety and protect our environment, economy and quality of life	3	San Juan Marine Resources Committee will convene 20 agencies and non-governmental organizations responsible for oil spill prevention and readiness at the 2012 Marine Manager Workshop, including participation from the local, state, federal, and Canadian organizations. Workshop outcomes will include a list of agreed upon recommendations for oil spill prevention. Local jurisdictions will adopt highest priority recommendations within their authority by 2014.	local	SJMRC		to be determined

Strategy	Subtask	Sub-Strategy Text	NTA #	NTA Description	NTA Type	Owner	Secondary Owner	Performance Measure
C	10.2	Spill Readiness: Broaden State participation in oil spill drills and promote better integration with tribes and local government.	1	Oil Spill Prevention, Preparedness, and Response – Implement and promote improvements in oil spill prevention, preparedness, and response programs, policies, or capabilities for the benefit of the Strait of Juan de Fuca and adjacent waters <ul style="list-style-type: none"> - Support equipment standards rulemaking - Support trans-boundary coordination on oil spills - Makah Tribal Council Oil Pollution Initiative and Vessel of Opportunity Program - Participate on cross-partnership Oil Spill Workgroup - Geographic Response Plans (GRP) data - Participate on Northwest Area Committee (NWAC) - Work to expand drills along Strait of Juan de Fuca and coast - Organize local volunteers - Establish a liaison role during spill events for Strait Action Area - Support establishment of response to tugs along Strait of Juan de Fuca 	local			Initiate or complete 40% of the Priority Actions identified by the Strait ERN for the Strait Action Area
C	10.3	Spill Response: Ensure the best available science and technology are used to respond to spills and improve cleanup efficiency.	1	Revise WAC 173-183 to conform with HB1186 from the 2011 session, requiring the best achievable protection from the impacts of oil spills.	soundwide	Ecology		Rulemaking complete or not
C	10.3	Spill Response: Ensure the best available science and technology are used to respond to spills and improve cleanup efficiency.	2	Islands Oil Spill Association (IOSA) will maintain local oil spill readiness and response programs at its current level of funding and staff/volunteer capacity through 2014. Identify remaining local response needs at the 2012 Marine Managers Workshop and consider these, along with a funding and action plan, as part of the workshop recommendations.	local	IOSA		to be determined
C	10.4	Environmental Restoration: Strengthen oil spill Natural Resource Damage Assessment and Restoration (NRDAR).	1	Revise WAC 173-182 to conform with HB1186 from the 2011 session, requiring Natural Resource Damage Assessment values be increased.	soundwide	Ecology		Rulemaking complete or not
C	10.4	Environmental Restoration: Strengthen oil spill Natural Resource Damage Assessment and Restoration (NRDAR).	2	Support baseline scientific data collection for key species at risk in oil spills to enhance assessments.	soundwide	Ecology		Baseline data collected or not
C	11.1	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.	1	No near-term actions identified.				
C	11.2	Clean up contaminated sites within and near Puget Sound.	1	No near-term actions identified.				
C	11.3	Restore and protect water quality at swimming beaches and recreational areas.	1	Ecology and DOH, and the Steering Committee for the Puget Sound Assessment and Monitoring Program, will develop a program for coordinated environmental monitoring and notification of public health threats from contaminated water at freshwater swimming beaches. The Steering Committee will discuss a proposed approach for a beach monitoring program for the Puget Sound region by 2014.	soundwide	Ecology	DOH	Development and adoption of a freshwater beach assessment and monitoring program

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C	11.3	Strategies and actions to flow from the BSWP effort	2	Ecology and DOH will evaluate options for focusing or prioritizing the marine BEACH program to address potential water-contamination issues faced by all recreational users of Puget Sound, including surfers, paddle boarders, kayakers, kite boarders, and scuba divers. The agencies will expand the BEACH program or take other appropriate actions to address the issues of non-swimming recreational users by 2013.	soundwide	Ecology	DOH	Program expanded or not or other control measures instituted
C	11.4	Develop and implement local and tribal PIC programs	1	No near-term actions identified.				
C	11.5	Develop and implement a monitoring and evaluation program.	1	PSP will work with Ecology, DNR, DOH, other key implementation agencies, and stakeholders for the Action Agenda to develop a program for monitoring the effectiveness of activities to reduce water pollution to Puget Sound and monitoring progress towards ecosystem recovery targets for water quality. (This will be done through the activities described in the cross-cutting strategy D, Implement a Coordinated, Integrated Ecosystem Monitoring Program.) .	soundwide	PSP	Ecology	Effectiveness monitoring program established or not
D	1.1	Provide backbone support for the recovery effort and Management Conference	1	No near-term actions are identified	soundwide			
D	1.2	Maintain and update the Action Agenda as the shared recovery plan	1	No Soundwide near-term actions are identified	soundwide			
D	2.1	Advance the coordination of local recovery actions via local integrating organizations	1	None				
D	3.1	Work collaboratively to track and report on implementation performance	1	PSP launches an Accountability IT Application that is accessible to the public and that tracks budgeting, attainment of milestones, and achievement of performance measures for near Term Actions in the Action Agenda (Q1 2012) - Update the Dashboard of Vital Signs web tool	soundwide	PSP		<ul style="list-style-type: none"> • Train state agency staff responsible for reporting on the use of the application (Q2 2012) • In collaboration with the Science and Monitoring team and other partners, design and develop phase 2 of the Accountability IT Application to include data on outcomes of the regional actions (Q2 2013) • Collaborate with other partners to develop a more efficient system for reporting that minimizes redundancy within the state reporting system (Q1 2013) and between the state and federal reporting systems, and that better reports on achievement of ecosystem outcomes (Q4 2013) • Update the Dashboard of Vital signs tool to include a GIS-based reporting system that assists the public in distinguishing, to the extent feasible, attainment of ecosystem and pressure reduction targets on a sub-regional basis (Q2 2013) • 100% of the highest priority actions in the Action Agenda are "On Plan" • 90% of the near term actions that are the responsibility of PSP are "On Plan" • 80% of implementers reporting regarding ongoing and near term actions in the Action Agenda are "On Plan."

Strategy	Subtask	Sub-Strategy Text	NTA #	NTA Description	NTA Type	Owner	Secondary Owner	Performance Measure
D	3.2	Work collaboratively to report on recovery progress	1	PSP leads the building of a community of performance practice that is inclusive of local jurisdictions, tribal governments and private organizations involved in the work of restoring the Sound. The goal is to assemble and share data and experiences on sound recovery strategies techniques and outcomes	soundwide	PSP		<ul style="list-style-type: none"> • Convene a forum that meets regularly to collaborate on performance practice (Q4 2012; Q4 2013) • Convene workshops to build relationships among the people who implement projects and collect monitoring data at the local and subregional levels to share successful strategies, build a regional database, provide training for local monitoring programs and stewards, and identify data gaps. (Q3 2012; Q3 2013).
D	3.2	Work collaboratively to report on recovery progress	2	PSP develops an approach for collaborative analysis of data on the cost/benefit of key actions undertaken in the Action Agenda	soundwide	PSP		<ul style="list-style-type: none"> • Convene panel to review existing data and models. Key partners include technical panel of representatives from state and federal agencies, tribal government, regional local governments and interest groups represented on the ECB. (Q1 2012) • Conduct a pilot using the agreed-upon collaborative analysis approach and tolls to provide an analysis to the Leadership Council and legislature on three Action Agenda priority actions or suites of actions that may be used to better information decision within the region on funding priorities. (Q2 2013) • Develop models and tools for data analysis that may be utilized by organizations to inform individual decisions on strategies and expenditures. (Q4 2013)
D	4.1	Oversee strategic planning for Puget Sound recovery science.	1	Develop the PSP adaptive management framework and technical tools to assist in the steps of the adaptive management cycle.	soundwide	PSP		<ul style="list-style-type: none"> • Publish technical memorandum describing the PSP's adaptive management framework June 2012 • Publish technical memorandum describing methods of assessing pressures on the Puget Sound ecosystem June 2012 • Develop adaptive management frameworks for five watersheds that links watershed recovery and recovery of ESA listed species July 2013
D	4.2	Implement a Coordinated, Integrated Ecosystem Monitoring Program	1	Help design and implement a Monitoring Accountability Application.	soundwide	PSP		<ul style="list-style-type: none"> • Provide the business requirements for the Monitoring Accountability Application, including the web-based inventory of monitoring programs to help raise awareness and enhance coordination of efforts among all sectors in the region. June 2012. • Establish and maintain a publicly available web-based inventory of Puget Sound monitoring programs July 2013
D	5.1	Prioritize targeted stewardship issues, actions and audiences based on (1) problem severity, (2) problem frequency, (3) availability of and confidence in science (natural and social) behind the problem, and (4) ability to influence change.	1	No near-term actions identified.	soundwide			

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D	5.2	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.	1	No near-term actions identified.	soundwide			
D	5.3	Collaboratively develop and promote science-based targeted communications and behavior change strategies across the region.	1	No near-term actions identified.	soundwide			
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.	1	PSP conducts, synthesizes and disseminates formative research to identify barriers and motivators relative to the adoption of specific priority practices and behaviors.	soundwide	PSP		Research underway on at least two BMPs by February 2012. Research on at least eight practices complete by December 2013
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.	2	PSP provides uniform guidance to partners to (1) emphasize priority practices and behaviors, (2) ensure that partner programs intended to address these priority practices are based on tested, proven methods, and (3) ensure that those programs include the necessary formative research to ensure achievement of desired outcomes.	soundwide	PSP		Grant guidance developed by July 2012. Non-grant guidance developed by December 2012
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.	3	PSP and local partners implement a regional behavior change initiative promoting increased forest canopy cover, tree planting, and soil health as identified in STORM's tier-BMPs.	soundwide	PSP	STORM	Pilot program funding awarded by April 2012. Formative research complete by April 2013. Pilot program and evaluation underway by October 2013
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.	1	No near-term actions identified.	soundwide			

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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.	1	No near-term actions identified.	soundwide			
D	5.7	Review practices and issues that require solutions beyond the Puget Sound region such as automotive, manufacturing and distribution of toxins, and pharmaceutical waste management. Develop strategies and partnerships outside the Puget Sound region to address issues.	1	No near-term actions identified.	soundwide			
D	6.1	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.	1	PSP, STORM, and the Ecology incorporate messages and content into the next phase of the Puget Sound Starts Here campaign appropriate to the demography and issues facing the Puget Sound region, including messages suited to rural audiences, that foster regional identity, and that build direct personal connections to Puget Sound's resources.	soundwide	PSP	Ecology	Step 1 mass media publicly launched by May 2012. Step 2 launched by October 2012.
D	6.1	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.	2	PSP and grantees develop a portfolio of vetted outreach content and tools for use by local organizations in their programs. ECO-Net and STORM networks are used to disseminate content.	soundwide	PSP		Initial content developed and disseminated by July 2012. Content on priority Best Management Practices developed and disseminated by January 2013.

Strategy	Subtask	Sub-Strategy Text	NTA #	NTA Description	NTA Type	Owner	Secondary Owner	Performance Measure
D	6.2	Incorporate and expand Puget Sound related content in diverse delivery settings (e.g., recreation, education institutions, local government, neighborhood and community groups, nonprofit organizations, businesses). Connect residents with public engagement and volunteer programs.	1	No near-term actions identified	soundwide			
D	6.3	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.	1	Pacific Education Institute integrates Puget Sound into the K-12 curricula of at least 20 school districts by working with curriculum directors and school leaders.	soundwide	PSP	PEI	Schools are connected with community resources so that over half of the school districts in Puget Sound have place-based education programs by 2014.
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.	1	No near-term actions identified	soundwide			
D	6.5	Build awareness of stewardship-building efforts among elected officials, executive staff, funders, resource managers, and others with resource allocation ability. Emphasize program roles, needs, relationship with other Action Agenda strategies and program outcomes.	1	PSP, STORM, and partner organizations develop a portfolio of materials to build awareness of stewardship-building efforts among elected officials, executive staff, and resource managers at federal, state and local levels.	soundwide	PSP	STORM	Portfolio developed by December 2012.
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.	1	PSP develops a map of the regional partner network to identify relationships, gaps, connection opportunities, and the roles various entities play in Puget Sound recovery.	soundwide	PSP		Completion by June 2012.
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.	2	PSP develops and implements a Sound Behavior Index to assess environmental social capital and track long-term shifts in behaviors and practices across the Puget Sound region.	soundwide	PSP		First launch by February 2012.

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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.	3	PSP establishes protocols to monitor, measure, and evaluate the effectiveness of public awareness and stewardship efforts region-wide.	soundwide	PSP		Draft protocols developed and launched by July 2012. Final protocols in place by December 2013.
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	No near-term actions identified	soundwide			
D	7.3	Maintain centralized capacity to sustain and enhance the regional Puget Sound Starts Here campaign.	1	No near-term actions identified	soundwide			
D	7.4	Provide public information conduits connecting individuals to local activities and resources—including engagement incentives such cost-share programs, technical assistance, and volunteer experiences.	1	PSP and grantee(s) establish a Citizen Action Training School stressing civic structures and processes to enable residents to more fully engage with their communities on issues related to Puget Sound health.	soundwide	PSP		Program launched by July 2012.
D	7.5	Enhance strategic networks and tools that support stewardship partners and outcomes including ECO-Net, STORM, tribes, municipalities not covered by stormwater permits, public agencies, funders, universities, NGOs and others.	1	Municipal stormwater permittees develop and implement a strategic plan and business plan for the STORM coalition (Stormwater Outreach for Regional Municipalities) to ensure the long-term sustainability of the coalition and its activities.	soundwide	PSP	STORM	Strategic plan complete by March 2012. Business plan complete and implementation underway by September 2012.
D	7.6	Work regionally and locally to remove barriers (e.g., physical, economic, regulatory, enforcement, policy), and enable and incentivize adoption of stewardship actions.	1	No near-term actions identified	soundwide			