EPA Ecosystem Restoration and Protection Grant Funding:

August 30, 2010

The purposes of this DRAFT document are to:

- Compile and align the near-term actions in the Action Agenda with the categories of the EPA Restoration and Protection Grant;
- Provide a common framework for initial discussions among state agencies, local and regional governments, tribes and other entities interested in potentially becoming a Lead Organization and/or participating in the development of EPA grant applications; and
- Create a collaborative mechanism for identifying the universe of entities willing to participate in the development of each category of the EPA grant applications.

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Marine and Nearshore Protection and Restoration:
Consistent with the Puget Sound Action Agenda, the selected Lead Organization for this topic will support development and implementation of a Puget Sound-wide strategy to protect and restore marine and nearshore habitats (including estuarine and freshwater systems to head of tidal influence and their associated riparian areas). Habitat includes the structures, processes (e.g. land-water interactions), functions, and associated species and food webs. This will require building on key existing work including the restoration work of the Puget Sound Nearshore Ecosystem Restoration Project and the resource protection requirements of Shoreline Master Programs among others.

If your caucus is interested in participating in participating in the development of this EPA grant applications, please provide the following information to Michael Grayum by <u>September 8th</u>:

- **Caucus representatives to involve in the development of the grant application** *(Name and contact information of those with the technical knowledge and ability willing to provide assist the Lead Organization in developing the proposals to EPA)*:

- **Recommendations for Potential Lead Organizations** *(Those with the technical knowledge and organizational capacity to write the RFP, facilitate work with other entities, and provide grant sub-awards)*:

Near-Term Actions in the Action Agenda *(Highlights of outlined and ranked priorities from pages 88-92 and 108-113 of the Action Agenda)*	**Puget Sound Indicators**	**Type of Activity** *(Regulatory, programmatic, education & outreach etc.)*	**Strategic Concepts to implement the Action Agenda** *(ex: restoration at the mouth of major rivers,)*
Fund local capacity to continue existing work and address AA priorities D.3 #2 pg.64 ***		Programmatic, capacity support	
Work Together: D.3 Consider the recommendations of the Partnerships Local integration task force and implement follow up actions (LIOs) # 5 pg 64***		Programmatic, capacity support	
Engage with stakeholders throughout the region to		Programmatic	

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advance shared priorities. D.3 #7 Pg. 64***			
Develop and implement a training program for designers and contractors who work in the nearshore. D.5 #5 Pg 68	Shoreline Armoring, Pacific herring?, Eelgrass	Programmatic, Education and outreach, implementation support	
In cooperation with local government or stormwater utility, implement a pilot cap and trade program for the removal of impervious surface and/or removal of shoreline armoring. E.2 #13 Pg 78	Shoreline Armoring	Developing programmatic tools	
Design and implement studies to collect new information about: a) the effects of nearshore restoration actions, b) watershed-wide pollution loading and effects of runoff; c) stressors affecting forage fish and pelagic food webs; and d) ecosystem services and socioeconomic indicators. These studies will provide information about the benefits of management actions by increasing our understanding of how the ecosystem functions and how it is affected by management actions. E.3: #4 Pg. 81***	Salmon, shoreline armoring, herring, ?	Furthering analytical framework	
Identify priorities for research to fill gaps in knowledge about ecosystem processes; design and implement studies to fill gaps E.3: # 11 pg. 82**		Furthering analytical framework	
Education and outreach: See PSP EPA Grant. E.4: pg. 83		Education and outreach	
Provide funding and technical assistance to local jurisdictions to update SMPs by current deadlines with all updates completed by 2013 A.2(5) #2 pg 88**	Salmon, Eelgrass, Shoreline Armoring, Shellfish Beds restored, herring, bird species?	Developing programmatic tools, improving regulatory effectiveness	

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Protect high-value habitat and land at immediate risk of conversion as identified through the existing processes such as the salmon recovery plans and others. A.2 (1) #3 pg 88 **	Salmon, Eelgrass, Shoreline Armoring?, herring, bird species?	Capital funding strategies,	
Change SMA statues and regulations to require a shoreline conditional use permit for: bulkheads and docks associated with all residential development; all new and replacement shoreline hardening; all seawall/bulkhead/reventment repair projects; and new docks and piers. A.2 (7) #6	Salmon, Eelgrass, Shoreline Armoring, Shellfish Beds restored, herring, bird species?	Improving regulatory effectiveness	
Prepare set of criteria to guide decisions for acquiring and protecting high-value, high-risk habitat. A.1 (2) #11 **		Furthering analytical framework	
Protect: Implement components of the WDNR Aquatics HCP that protect critical habitat. A. 4(6) #16 Pg 88	Salmon, Eelgrass, Shoreline Armoring, Shellfish Beds restored, herring, bird species?	Improving regulatory effectiveness, capital strategies?	
Provide local governments with guidance on how to achieve and measure no-net-loss of ecological function as required by the SMA and the SMP guidelines A.2 (6) #19 pg 89**	Shoreline armoring, eelgrass, salmon, herring,	Developing programmatic tools, furthering analytical framework,	
Work with the marine managed areas work group chaired by DFW to develop recommendations to improve the effectiveness of MPA's by December 2009 A.2 (4) #29		Furthering analytical framework, Developing programmatic tools,	
Restore: Implement restoration projects in the salmon recovery three-year work plans and the	Salmon, shoreline	Capital strategies	

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ESRP B.1 (1) #1 pg. 89 **	armoring, eelgrass, herring,		
Complete the PSNERP GI in a timely way to help identify and refine nearshore restoration opportunities and move toward implementation B.1 (5) #2 pg. 89		Furthering Analytical framework, decision support tools, capital strategies	
Complete large-scale restoration projects at the mouths of major river systems in Puget Sound where there is a high likelihood of re-creating ecosystem function B.1 (2) #3 pg. 89 **	Salmon, Eelgrass, Shoreline Armoring, Shellfish Beds restored, herring, bird species?	Capital strategies	
Remove Derelict Fishing gear as proposed by the NWSC and MRC's in sites with known problems for species B.1 (6) #5, pg. 89	Salmon, herring, bird species,	Capital strategies	
Continue Bellingham Bay pilot program to clean up Bellingham Bay in a coordinated way, B.1 (2) #6 **	Salmon, Eelgrass, Shoreline Armoring, Shellfish Beds restored, herring, bird species?	Capital strategies,	
Fund one year pilot program to develop a coordinated clean up and restoration plan for the Port Angeles Harbor and waterfront B.2 (1)**	Salmon, Eelgrass, Shoreline Armoring, Shellfish Beds	Capital strategies	

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	restored, herring, bird species?, toxics in fish, toxics in sediment		
Remove significant blockages to ecosystem processes and provide access to habitat. B.1(4) #9, pg. 89 **	Salmon, Shoreline Armoring, herring?	Capital strategies	
Continue to control pollutant sources and remediate toxics in Duwamish Bay B.2 (3) #10, pg. 90**	Salmon, toxics in fish, toxics in sediment	Capital strategies	
Implement Shellfish Protection District plans, on-site sewage treatment plans in marine recovery areas, and related projects to restore water quality at commercial and recreational shellfish areas that are degraded or threatened. C.1 (7) #13 Pg 91**	Shellfish bed restoration, land use/land cover	Capital strategies, improving regulatory effectiveness?	
Petition EPA to establish Puget Sound as a No Discharge Zone for commercial and/or recreational vessels to eliminate bacteria, nutrients, and pathogens into PS. C.1 (5) #16 Pg 91		Developing programmatic tools	

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Watershed Protection and Restoration:
Consistent with the Puget Sound Action Agenda, the selected Lead Organization for this topic will support development and implementation of a Puget Sound-wide strategy, across a range of watershed scales, to protect and restore watershed processes that support hydrology, habitat and water quality. This category will have a primary focus on the factors affecting the hydrologic functions of watersheds, including stormwater and flow modification due to human development and management. Extensive watershed research shows that where development is located, how much development occurs, and what development practices are used greatly affect the chemical, physical, and biological integrity of both fresh water and estuarine ecosystems. Traditionally, land use planning, resource management and watershed planning have often been carried out independently. Integrating these elements is critical to successfully developing and implementing a comprehensive watershed protection and restoration program for Puget Sound.

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Near-Term Actions in the Action Agenda *(Highlights of outlined and ranked priorities from pages 88-92 and 108-113 of the Action Agenda)*	**Puget Sound Indicators**	**Type of Activity** *(Regulatory, programmatic, education & outreach etc.)*	**Strategic Concepts to implement the Action Agenda** *(ex: restoration at the mouth of major rivers)*
A.1(3) – Initiate or complete Action Agenda-based watershed assessments and related maps for each of the watersheds within the Puget Sound basin to identify sites and functions that are the most urgent and important for protection	Land use/land cover; freshwater quality; water availability; salmon	Developing programmatic tools; furthering the analytical framework	
**A.2(5) – Provide funding and technical assistance to local jurisdictions to update local shorelines management programs by current deadlines, with all updates complete by 2013	Shoreline armoring	Programmatic capacity support; improving regulatory effectiveness	

**A.2(1) – Protect high-value habitat and land at immediate risk of conversion as identified through existing processes such as the salmon recovery plans and others.	Land use/land cover; salmon; bird species	Capital strategies	
A.1(1) – Convene a regional planning forum to create a coordinated vision for guiding growth at an ecosystem scale.	Land use/land cover;	Furthering the analytical framework; improving regulatory effectiveness	
A.4(4) – Continue to implement existing forest practice plans and regulations consistent with the Action Agenda, including the state trust lands HCP, state forest practices rules, and Road Maintenance and Abandonment Plans as informed by the Forest and Fish Plan, and others.	Land use/land cover	Improving regulatory effectiveness	
**A.2(7) – Change Shoreline Management Act states and regulations to require a shoreline conditional use permit for: bulkheads and docks associated with all residential development; all new and replacement shoreline hardening; all seawall/bulkhead/revetment repair projects; and new docks and piers.	Shoreline armoring	Improving regulatory effectiveness	
A.4(1) – Purchase or transfer development rights or use conservation easements for working lands at immediate risk of conversion.	Land use/land cover	Capital strategies; developing programmatic tools	
A.1(4) – Support legislation that seeks to continue to direct growth away from rural and working resource lands and into cities..	Land use/land cover	Decision support tools; improving regulatory effectiveness	
A.1(2) – Prepare a set of criteria to guide decisions for acquiring and protecting high-value, high-risk	Land use/land cover; salmon;	Developing programmatic	

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habitat.	bird species; eelgrass; pacific herring	tools; decision support tools	
A.3(4) – Implement the recommendations from approved watershed plans prepared under the Watershed Planning Act (RCW 90.82) consistent with the Action Agenda and coordinated with other local restoration and protection efforts.	Water availability; freshwater quality; salmon	Capital strategies; improving regulatory effectiveness	
A.2(8) – Provide funding and technical assistance to local governments that have not yet completed their Critical Area Ordinance updates.	Freshwater quality; land use/land cover;	Programmatic capacity support; improving regulatory effectiveness; decision support tools	
A.2(9) – Support and implement recommendations from the CTED TDR Policy Advisory Committee.	Land use/land cover	Capital strategies; programmatic capacity support;	
A.4(3) Support the Conservation Commission's efforts to protect productive agricultural areas consistent with the Action Agenda priorities.	Land use/land cover	Capital strategies; programmatic capacity support; decision support tools	
**A.2(6) – Provide local governments with guidance on how to achieve and measure no-net-loss of ecological function as required by the Shoreline Management Act and the Shoreline Master Program guidelines.	Land use/land cover; shoreline armoring	Programmatic capacity support; developing programmatic tools; furthering the analytical framework; regulatory effectiveness	

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A.3(7) – Support municipal water systems' implementation of Washington Department of Health's Water Use Efficiency Rule, including establishing water conservation goals, metering, and reporting from all municipal suppliers.	Water availability; salmon	Programmatic capacity support; improving regulatory effectiveness	
A.3(1) – Set flow rules in watersheds that currently do not have instream flow rules, with priority given to critical basins or those with known significant problems meeting instream or out-of-stream demands.	Water availability; salmon	Programmatic capacity support; developing programmatic tools; improving regulatory effectiveness	
A.3(9) – Adopt water reuse rules.	Water availability	Programmatic capacity support; developing programmatic tools; improving regulatory effectiveness	
A.3(3) – 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.	Water availability; salmon	Programmatic capacity support; developing programmatic tools	
A.2(3) – Convene a task force to develop a funding mechanism to rapidly acquire properties with high ecological value and imminent risk of conversion.	Land use/land cover; salmon; bird species; pacific herring; eelgrass	Capital strategies; decision support tools	

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**A.4(5) – Continue ongoing work to resolve conflicts between aquaculture and upland uses.	Land use/land cover	Decision support tools; programmatic capacity support; developing programmatic tools; furthering analytical framework	
A.3(2) – Update instream flow rules based on current science.	Water availability; salmon	Programmatic capacity support; developing programmatic tools; improving regulatory effectiveness	
A.4(2) – Coordinate with SSB5248 project by the Ruckelshaus Center that is working to resolve conflicts between agricultural activities and critical areas regulations.	Land use/land cover	Developing programmatic tools; furthering analytical framework	
A.3(5) – Evaluate and implement solutions to exempt well issues.	Water availability	Decision support tools; programmatic capacity support; developing programmatic tools; improving regulatory effectiveness	
**B.1(1) – Implement restoration projects in the salmon recovery three-year work plans and the	Salmon, bird species,	Capital strategies	

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Estuary and Salmon Restoration Program of the Nearshore Partnership.	eelgrass, shoreline armoring, shellfish beds restored,		
**B.1(2) – Complete large-scale restoration projects at the mouths of major river systems in Puget Sound where there is a high likelihood of re-creating ecosystem function.	Salmon, bird species, eelgrass	Capital strategies	
B.3(1) – Implement coordinated incentive and technical assistance programs for private landowners through the Conservation Commission, Conservation Districts, Department of Natural Resources, other state agencies, Washington State University Extension, local governments, non-governmental organizations, and others as appropriate.	Salmon, bird species,	Programmatic capacity support, developing programmatic tools,	
B.1(3) – Restore floodplain and river processes where there is a high likelihood of re-creating ecosystem function.	Salmon, shoreline armoring, bird species, Land use/land cover	Capital strategies	
**B.1(4) – Remove significant blockages of ecosystem processes and provide access to habitat.	Salmon, pacific herring, shoreline armoring, eelgrass,	Capital strategies	
**C.2(2) – Provide financial and technical assistance to cities and counties to implement NPDES Phase I and II permits, as well as Ecology for permit oversight and implementation.	Freshwater quality, marine water quality	Developing programmatic tools, improving regulatory effectiveness	
**C.2(6) – Retrofit existing stormwater systems by: a) developing high-level criteria that can be used in 2009 to determine the highest priority areas about	Freshwater quality, marine water quality,	Decision support tools, furthering the	

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the Sound for stormwater retrofits; and b) implementing stormwater retrofit projects in the highest priority areas based upon these criteria to bring areas into compliance with current stormwater regulations.		analytical framework, capital strategies, improving regulatory effectiveness	
**C.2(3) – Assist cities and counties in incorporating LID requirements for development and redevelopment into all stormwater codes.	Land use/land cover, Freshwater quality,	Programmatic capacity support, developing programmatic tools, capital strategies?	
**C.2(9) – Implement NPDES industrial permits and Washington State Department of Transportation permits, including Ecology for permit oversight and implementation.	Freshwater quality, marine water quality, salmon?	Capital strategies?, improving regulatory effectiveness	
**C.2(8) – Implement private property stewardship, incentive, and technical assistant programs (e.g. Conservation Districts, WSU Extension, Washington Sea Grant, local government programs) that focus on reducing sources of water pollution from commercial and non-commercial farms and other nonpoint sources, particularly in priority areas.	Land use/land cover, freshwater quality, marine water quality	Capital strategies, programmatic capacity, developing programmatic tools?	
**C.2(7) – Continue to implement road maintenance and abandonment programs for federal, state (including trust lands), and private timber lands.	Land use/land cover, salmon,	Capital strategies,	
**C.2(4) – Develop and implement LID incentives.	Freshwater quality, land use/land cover	Capital strategies, developing programmatic tools	

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**C.2(1) – Establish a regional coordinated monitoring program for stormwater, working with the Monitoring Consortium of the Stormwater Work Group.	Freshwater quality, marine water quality,	Furthering the analytical framework, programmatic capacity support, developing programmatic tools	
**D.3(2) – Fund salmon recovery lead entities and other collaborative groups such as Regional Fisheries Enhancement Groups, marine resource committees, and RCW 90.82 watershed planning groups in the near term to continue existing work and address Action Agenda priorities.		Programmatic capacity support,	
***D.3(5) – Consider the recommendations of the Partnership's Local Integration Task Force and implement appropriate follow-up actions.	Puget Sound funding?	Programmatic capacity support	
***D.3(7) – Engage with stakeholders throughout the region to advance shared priorities. This will include continued and expanded outreach to and collaboration with private and nongovernmental interests, including Puget Sound business caucus, environmental caucus, conservation organizations, agricultural groups, shellfish growers, and private landowners in the implementation of the Action Agenda.		Furthering the analytical framework	
D.4(1) – Conduct an institutional analysis of local, state, and federal agencies with regulatory authority over upland terrestrial and aquatic habitats, species protection, and water quality. Provide recommendations to implement actions to resolve overlapping and conflicting authorities by amending, realigning, or eliminating programs, laws, and regulations consistent with the Puget Sound ecosystem decision-making framework.		Improving regulatory effectiveness, developing programmatic tools, Decision support tools, furthering the analytical	

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		framework	
D.4(2) – Evaluate the effectiveness of Clark County pilot project related to aquatic habitats of the Office of Regulatory Assistance's iPermit program. Adjust the program as needed. Identify a Puget Sound county and one or more cities in the same watershed in which to further pilot the iPermit program. This will involve standardizing best management practices related to shoreline development and customizing the program to meet local requirements. If successful, implement in one additional county and associated cities by the end of the biennium. The watershed selected for this pilot should be prioritized for Action Agenda-based watershed assessment work referenced in A.1.3 and for initial implementation of the in-lieu fee program referenced in D.4.2.3	Shoreline armoring	Decision support tool?, developing programmatic tools?	
D.4(3) – Convene a process for making recommendations to the Partnership about streamlining permitting processes for habitat restoration projects. Include the following regulatory programs in the review process: building construction permits, clearing and grading regulations, Hydraulic Project Approval permits, Ecology's Clean Water Act, Section 404 permits and Section 401 permits, and Army Corps of Engineers' Clean Water Act Section 404 permits and Section 10 of the Rivers and Harbors Act	Salmon	Developing programmatic tools, improving regulatory effectiveness	
D.4(4) – Convene a process with Crops, NMFS, USFWS, jurisdictions responsible for levee maintenance, and stakeholders to identify and describe conflicts between levee maintenance standards and healthy habitat. This meeting should result in recommendations to the Corps to develop/review potential modifications to levee maintenance standards or the use of the existing variance mechanism	Shoreline armoring, salmon, land use/land cover	Improving regulatory effectiveness, decision support tools, furthering the analytical framework	

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D.4(5) – Support funding and legislation to allow state loans to local governments to conduct environmental reviews under SEPA at the planning or programmatic level	Funding for the sound	Programmatic capacity support, Decision support tools,	
D.4(6) – Develop, fund, and implement a pilot in lieu fee mitigation program for aquatic habitats in one to three Puget Sound watersheds. The program should be implemented at the watershed scale and involve the restoration of off-site, priority habitat areas as mitigation for multiple development impacts. Participation in the program should be optional and should not compete with existing maintenance and monitoring. The program would be pre-capitalized with publically funded mitigation projects	Salmon, shoreline armoring,	Funding strategies, capital strategies, developing programmatic tools?	
D.4(7) – Resolve issues related to the Hydraulic Project Approval including effectiveness, compliance, and enforcement	Salmon, shoreline armoring	Improving regulatory effectiveness	
D.5(1) – Convene a process with federal, state, and local jurisdictions and tries to develop an ideal compliance assistance and inspection program that would leverage existing fragmented inspection programs into an integrated program without co-opting the regulatory and enforcement authority of any jurisdiction. Such a program may involve compliance assistance agents who identify problems in the field, provide compliance assistance, and if necessary, report violations to compliance inspectors at the agencies with jurisdiction for enforcement action		Improving regulatory effectiveness	
D.5(3) – Support state water quality fee revisions and short-term funding to maintain existing, and if possible enhance, compliance staff at Department of Ecology	Freshwater quality, marine water quality,	Funding strategies	
**D.5(4) – Provide additional staff at Department of Ecology to conduct field visits to improve compliance with shoreline and aquatic regulations	Salmon, eelgrass, shoreline	Programmatic capacity support	

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	armoring,		
E.2(2) – Pursue state legislation authorizing the creation of a Puget Sound regional improvement district	Funding for Puget Sound	Funding strategies	
E.2(8) – Develop financial incentives and provide financial and technical assistance to local governments to develop high-priority projects in the Action Agenda for funding with existing Department of Ecology and the Public Works Board programs	Funding for Puget Sound	Programmatic capacity support?, developing programmatic tools?	
E.2(9) – As part of implementing the Mitigation That Works recommendations, develop agreements with the U.S. Army Corps of Engineers, the state Department of Ecology, and other relevant permitting agencies by 2010 on the design of a regional in-lieu-fee program	Land use/land cover,	Capital strategies, developing programmatic tools, improving regulatory effectiveness?	
E.2(10) – Identify and implement one or more pilot projects to demonstrate the application of the in-lieu-fee program. Invest in several restoration projects that can provide initial credits for use in the in-lieu-fee program	Land use/land cover, salmon,	Developing programmatic tools	
**E.2(13) – In cooperation with a local government or stormwater utility, implement a pilot cap-and-trade program for the removal of impervious surface and/or removal of shoreline armoring	Freshwater quality, shoreline armoring,	Developing programmatic tools	
E.2(14) – Evaluate, and incorporate as appropriate into the Action Agenda, the recommendations in the Washington State Conservation Commission's 2008 conservation markets study for farmlands and forest landowners	Puget Sound QOL index?	Furthering the analytical framework	
E.3(1) – Sustain ongoing monitoring programs to	All	Furthering	

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provide status, trend, and effectiveness information to inform State of the Sound reporting and other synthesis		analytical framework	
E.3(2) – Implement transition to a coordinated regional program for monitoring ecosystem status and trends, program and project effectiveness, and cause-and-effect relationships. The coordinated program will combine elements of ongoing monitoring with adaptations and new studies to generate the information the Partnership will need to evaluate progress toward ecosystem recovery goals and to evaluate and adapt ecosystem recovery efforts. Ongoing efforts to improve the design and coordination of ecosystem monitoring will contribute to this transition, especially the work of the stormwater monitoring work group of the Puget Sound Monitoring Consortium and the Puget Sound Salmon Recovery Monitoring and Adaptive Management Program	All	Furthering analytical framework	
*E.3(4) – Design and implement studies to collect new information about: a) the effects of nearshore restoration actions; b) watershed-wide pollutant loading and effects of runoff; c) stressors affecting forage fish and pelagic food webs; and, d) ecosystem services and socioeconomic indicators. There studies will provide information about the benefits of management actions by increasing our understanding of how the ecosystem functions and how it is affected by management actions	Salmon, shoreline armoring, herring, freshwater quality, land use/land cover	Furthering analytical framework	

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Toxics and Nutrients Reduction and Control:
Consistent with the Puget Sound Action Agenda, the selected Lead Organization for this topic will support development and implementation of a Puget Sound-wide strategy focused on a prioritized comprehensive management initiative to prevent, reduce, and control loadings of toxics and nutrients into Puget Sound. This proposal should include a strategy addressing persistent, bioaccumulative toxins, and will require close coordination with the "Watershed Protection and Restoration" Lead Organization with respect to stormwater management as it affects toxic loadings. The selected Lead Organization for this topic will also facilitate and support nutrient control strategies for those areas in Puget Sound where additional nutrients are likely to lead to a loss of water or aquatic habitat quality.

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- **Recommendations for Potential Lead Organizations** *(Those with the technical knowledge and organizational capacity to write the RFP, facilitate work with other entities, and provide grant sub-awards):*

Near-Term Actions in the Action Agenda *(Highlights of outlined and ranked priorities from pages 88-92 and 108-113 of the Action Agenda)*	**Puget Sound Indicators**	**Type of Activity (***Regulatory, programmatic, education & outreach etc.)*	**Strategic Concepts to implement the Action Agenda** *(ex: restoration at the mouth of major rivers)*
Implement private property stewardship, incentive, and technical assistant programs (e.g. Conservation Districts, WSU Extension, Washington Sea Grant, local government programs) that focus on reducing sources of water pollution, from commercial and non-commercial farms and other nonpoint sources, particularly in priority areas. C.2 (8) *	Marine water quality; Freshwater quality; Water availability; Toxics in fish; Toxics in sediment;	Programmatic; Education & outreach	
Provide financial and technical assistance to cities and counties to implement NPDES Phase I and II permits, as well as Ecology for permit oversight and implementation. C.2 (2) *	Marine water quality Freshwater quality Water availability Toxics	Programmatic	
Retrofit existing stormwater systems by: a)	Marine water	Programmatic,	

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developing high-level criteria that can be used in 2009 to determine the highest priority areas around the Sound for stormwater retrofits; and b) implementing stormwater retrofit projects in the highest priority areas based upon these criteria to bring areas into compliance with current stormwater regulations. C.2 (6) *	quality Freshwater quality Water availability Toxics in fish Toxics in sediment	Capital	
Implement priority strategies and actions to address low dissolved oxygen in South Sound, targeted areas in the Whidbey Basin, and other vulnerable areas. C.1 (9) *	Marine water quality	Capital, Programmatic	
Assist the Department of Ecology in implementing its PBT program to reduce and eventually eliminate the use of all chemicals on the PBT list, and other programs to reduce toxins such as metals. C.1 (2)	Toxics in fish Toxics in sediment	Programmatic	
Implement NPDES industrial permits and Washington State Department of Transportation permits, including Ecology for permit oversight and implementation. C.2 (9) *	Marine water quality Freshwater quality Water availability Toxics in fish Toxics in sediment	Programmatic Science	
Implement private property stewardship, incentive, and technical assistant programs (e.g. Conservation Districts, WSU Extension, Washington Sea Grant, local government programs) that focus on reducing sources of water pollution, from commercial and non-commercial farms and other nonpoint sources, particularly in priority areas. C.2 (8) *	Marine water quality Freshwater quality Water availability Toxics in fish Toxics in sediment	Programmatic Education & outreach	
Conduct a focused outreach campaign for the public	Toxics in fish;	Education &	

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and businesses to reduce pollutants identified in toxic loading and other studies that are priority threats to Puget Sound. C.1 (1)	Toxics in sediment	outreach	
Develop and implement LID incentives. C.2 (4) *	Marine water quality Freshwater quality Water availability Toxics in fish Toxics in sediment	Programmatic	
Establish a regional coordinated monitoring program for stormwater, working with the Monitoring Consortium of the Stormwater Work Group. C.2 (1) *	Marine water quality Freshwater quality Water availability Toxics in fish and sediment	Science	
Use advanced wastewater treatment where needed in nutrient sensitive and recoverable and tribal shellfish areas, such as Hood Canal, South Sound, and the Whidbey Basin. C.3 (1) *	Marine water quality Toxics in fish Toxics in sediment	Capital	
Evaluate and, if possible, implement a water quality trading program to address dissolved oxygen issues in southern Puget Sound. E.2 (11) *	Marine water quality, Freshwater quality, Water availability, Toxics in fish, Toxics in sediment	Programmatic	

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Pathogens Reduction and Control:
Consistent with the Puget Sound Action Agenda, the selected Lead Organization for this topic will support development and implementation of a strategy to prevent, reduce, and control pathogen loadings to Puget Sound. The program should set clear priorities for the restoration and protection of beneficial uses. The Lead Organization will be expected to work with the Department of Health and local jurisdictions to develop this strategy. A subgrant program for local governments to control a variety of nonpoint sources of pathogens should be part of this effort. The strategy would also establish and maintain locally coordinated, effective on-site sewage system management to reduce pollutant loadings to vulnerable surface and ground waters.

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Implement immediate remediation actions to address Hood Canal's low dissolved oxygen concentrations through the Hood Canal Dissolved Oxygen Program. C.1 (8)	Shellfish beds restored, Marine Water Quality, Marine life	Regulatory Educational Incentives	
Implement priority strategies and actions to address low dissolved oxygen in South Sound, targeted areas in the Whidbey Basin, and other vulnerable areas. C.1 (9)	Marine Water Quality Swimming beaches	Educational Regulatory Incentives Capital investment	
Develop and implement on-site sewage system management plans	Shellfish beds restored	Regulatory	

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Revise the current on-site sewage treatment rule no later than June 30, 2011, so standards are established to address new on-site sewage treatment technologies. C.4 (2)	Swimming beaches Marine Water Quality	Programmatic Research and development Capital investment	
Enhance an d target on-site sewage treatment loan programs and grants to ensure programs are targeted to areas of with demonstrated loading issues and vulnerable waters. C.4 (3)	Marine Water Quality Shellfish beds restored Quality of Life index Recreational fishing permit sales	Programmatic Capital investment Education Programmat ic	
Use advanced wastewater treatment where needed in nutrient sensitive and recoverable and tribal shellfish areas, such as Hood Canal, South Sound, and the Whidbey Basin. C.3 (1)	Marine Water Quality Shellfish beds restored Quality of life index Recreational fishing permit	Education Capital investment Research and development	

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areas, and related projects to restore water quality at commercial and recreational shellfish areas that are degraded or threatened. C.1 (7)	Shellfish beds restored Quality of life index Recreational fishing permit sales	Programmatic	

* Indicates NTA might also appear in other proposals
** Indicates NTA might also appear in two other proposals
*** Indicates NTA might also appear in three other proposals

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