

Marine and Nearshore LO Six-Year Table -- 6/19/2013														Budget																		
Funding Round	Project Name (Organized by Investment Area)	Description	Action Agenda Strategies, NTAs Supported	2020 Targets Supported										Implementing Organization	Expected Outputs	Expected Outcomes	Estimated Timeframe	FFY 10-11 (Rounds 1&2)	FFY12 (Round 3)	FFY13 (Round 4)	FFY 14-15 (Rounds 5&6)											
				Eelgrass	Estuaries	Shoreline	Toxics in Fish	Marine	Wild Chinook	Orcas	Pacific Herring																					
<b>A. Adaptive Management</b>																																
1 & 2	<b>Adaptive Management Advisor</b>	Direct Award to USFWS to integrate AM into the Grant Program at the project level, suite of investments level, and the Puget Sound recovery level.												USFWS	Adaptive management strategies that inform investments and long-term implementation plan for NEP funds	More effective use of NEP funding and better adaptive management coordination across and amongst Grant Program projects	7/11-5/12	\$ 85,357														
1 & 2	<b>Quantifying Impacts of Shoreline Armoring</b>	A study to quantify the impacts of shoreline armoring on nearshore processes and species. This project will include the Swinomish Tribe and UW researchers. The information will fill a critical knowledge gap identified by Puget Sound resource managers and researchers.	B1.1	X	X	X					X	X	X	Skagit River System Cooperative	An increased and quantified understanding of the impacts of shoreline armoring on nearshore species, habitats and processes.	Improved protection, and restoration, of beach processes impacted by shoreline armoring. This project will allow regulators and restoration practitioners to better focus regulation and recovery efforts on crucial beach habitats and processes.	6/12-10/14	\$ 353,583														
1 & 2	<b>Support Marine Elements of Integrated Risk Assessment</b>	Support the marine elements of the Integrated Risk Assessment. Puget Sound Partnership will conduct a risk assessment comparing the relative threats to Puget Sound. The marine habitat threats assessment will inform future strategic investments, including invasive species, oil spills, and physical habitat issues, such as derelict gear.	B1.1, B3.1, B3.2											Puget Sound Partnership (PSP)	Report detailing relative threats and pressures on marine and nearshore habitat and species in Puget Sound.	Targeted focus on the highest priority threats to the Puget Sound marine and nearshore environments, by both the Grant Program and others working to recover Puget Sound	6/13-3/14	\$ 200,000														
5 & 6	<b>Disseminate and Promote Results of Projects</b>	We have invested in filling crucial knowledge gaps that prevent effective action on protection and restoration of Puget Sound. Project results will be packaged and distributed to relevant groups to increase understanding, promoting integration and implementation of new insights and novel approaches.	B1.1, B1.2											Contractor	Information is presented to diverse audiences, such as landowners, shoreline planners, restoration professionals and concerned citizens	Restoration, land-use management, shoreline planning, and other activities will be data-driven and result in better outcomes for Puget Sound	Beginning early 2014					X										
5 & 6	<b>High Priority Protection and/or Restoration Based on Integrated Risk Assessment</b>	Consistent with and contingent upon the results of the marine elements of the Integrated Risk Assessment, support additional protection and restoration projects	TBD											TBD	Investments dependent on outcome of marine elements of Integrated Risk Assessment	Investments dependent on outcome of marine elements of Integrated Risk Assessment	Beginning mid 2014						X									
<b>B. Effective Regulation and Stewardship</b>																																
1 & 2	<b>Support Public Awareness, Outreach and Engagement on SMP Updates</b>	The Puget Sound Partnership will increase public awareness and understanding that Puget Sound is threatened, as well as the significance and potential impacts of shoreline management. Friends of the San Juans will develop Shoreline Master Program (SMP) update information and maps, WSU Extension-Mason County will conduct outreach and education on the importance of shorelines and the SMP update.	B1.2 NTA 1											Puget Sound Partnership (PSP)	Plans and strategies informed by focus groups and other research, outreach and education materials, trainings, lectures, and other educational opportunities for the public and others	Increased awareness about the importance of recovering Puget Sound and the significance of shoreline management, resulting in more protective SMPs	12/11-12/13	\$ 49,500														
1 & 2	<b>Increase Eelgrass by 20% by 2020</b>	This project will locate sites in Puget Sound and the Strait of Juan de Fuca suitable for eelgrass restoration, identifying sites that would be conserved from future anthropogenic disturbances and are resilient to climate change. Habitat suitability ratings and hydrodynamic and water properties models will be developed. Local, regional, and tribal shoreline planners and regulators and research scientists will help determine where regulations are not effectively reducing stress to eelgrass; and provide recommendations on restoring and protecting resilient eelgrass meadows.	B2.1, B2.4	X	X						X		X	Washington Department of Natural Resources (WADNR)	This project will create a model to determine suitable eelgrass restoration sites and help to identify anthropogenic obstacles to eelgrass restoration and protection.	More effective future eelgrass restoration efforts that will lead to a net increase in eelgrass acreage in Puget Sound providing important habitat for a number of species.	5/12-6-14	\$ 506,403														
1 & 2	<b>Protecting the Strait of Juan de Fuca Nearshore with Improved Tools</b>	This project will provide new data and improved tools to support Clallam County's SMP amendments. New bluff erosion rates will help to delineate hazardous areas and justify SMP measures. Through quantifying the economic values of ecosystem services and sharing the results with stakeholders, the project will enhance understanding of the regulatory framework needed to accomplish shared goals for the nearshore ecosystem and reduce long-standing barriers to its protection.	B1.2 STRT 4		X	X								Coastal Watershed Institute	Outputs include highly detailed erosion rates for shoreline bluffs, ecosystem services valuation and increased public awareness of shoreline issues.	Better justification for restricting land use in eroding shoreline areas, increasing public safety and protection of sediment transport processes. Better public understanding of the value of nearshore ecosystem services.	4/12-1/14	\$ 320,178														
1 & 2	<b>Marine Shoreline Monitoring and Compliance Pilot Project</b>	King County will survey 90 miles of marine shoreline in Watershed Resource Inventory Area (WRIA) 9 to collect shoreline use data that will be cross-checked with baseline data. Any new, unpermitted, anthropogenic shoreline modifications will be addressed to ensure compliance with existing regulations.	B1.1, B1.3			X								King County	Surveys of shoreline modifications to provide data that can be cross-checked with existing shoreline permitting data. Reports on noncompliance made to appropriate regulatory programs.	Improved enforcement of shoreline regulations leading to improved protection of habitat and processes in the nearshore.	6/12-1/14	\$ 43,703														
1 & 2	<b>Puget Sound Shoreline Master Program Improvement</b>	This project will work with counties, cities, and state agencies to provide technical assistance and outreach on shoreline master program implementation and SMP updates (where appropriate). The goals are to ensure protection of shoreline ecosystems and water quality, and to encourage effective and efficient permitting.	B1.2 NTA 1	X	X	X								Futurewise	Outreach to both local governments and the public on the SMP update and implementation process.	Increased public involvement in the SMP update process. Better implementation of updated SMPs, more effectively utilizing the protective measures included in the updated SMPs.	7/12-3/14	\$ 218,000														
1 & 2	<b>Protecting Ecosystem Functions with Sea Level Rise &amp; Cumulative Effects Management Tools</b>	The goals of this project are to achieve long-term protection of nearshore ecosystems by creating new technical tools and adaptive management strategies to address cumulative impacts and sea level rise, provide policy reform recommendations, and encourage improvements to conservation policies at the local and regional level.	B1.2 NTA 1			X								Friends of the San Juans	Analysis of existing regulations, shoreline erosion models, analysis of cumulative impacts of armoring, tidal spawning elevation study, management recommendations, outreach and dissemination of results	Long-term management strategies address cumulative effects and sea level rise, and ultimately better protect shorelines and improve habitat	3/12-1/14	\$ 150,000														

\*This investment provides cross-cutting benefits and will include collaboration with other LOs.

1 & 2	<b>Targeted Outreach to Reduce Impacts from Shore-hardening in Port Susan Marine Stewardship Area</b>	This project aims to prevent increased ecosystem impacts from hardening of the marine shoreline. Activities include conducting outreach to county planners and coastal landowners, including a professional development workshop for County planning staff, a workshop for coastal landowners, development of educational materials, and professional consultations for coastal landowners on alternative shoreline erosion control.	B2.3	X	X	X								Northwest Straits Foundation (NWSF)	Outreach to county planners to provide professional development. Land owner outreach to provide alternative options to shoreline armoring	Increased proficiency of county staff that will lead to better regulation and local decision making. Landowners will opt to employ less impactful shoreline protection measures. This will lead to fewer bulkheads and more soft-armored shoreline protection that will maintain and/or restore habitat, function and processes	3/12-1/14	\$	99,830						
1 & 2	<b>Shoreline Permitting Effectiveness through TACT</b>	Kitsap County, Island County and WDFW will implement a trouble shooting, action planning, course correction and tracking and monitoring (TACT) approach to reviewing and renovating shoreline permitting systems. The goal is to increase the use and efficacy of ecological protection provisions in shoreline permitting programs.	B1.1, B1.2, B1.3	X	X	X								Kitsap County	Shoreline permitting compliance and impacts inventory, permit review assessment, staff training program, shoreline landowner curriculum and training, tracking and monitoring for permit programs, outreach materials	Improved shoreline protection through more effective permitting processes, ultimately leading to improved shoreline function and habitat	6/12-10/14	\$	250,000						
1 & 2	<b>Protecting Nearshore and Marine Habitat in Mason County</b>	Mason County will improve implementation and compliance with the County's Resource Ordinance (RO) regarding shoreline development practices. A Resource Ordinance Working Group will convene to develop recommendations and success targets, and provide tools to train County staff in GIS and permitting plan review and inspection. An outreach program will educate shoreline property owners and help them comply with regulations.	B1.1, B1.2, B1.3	X	X	X								Mason County	Assessment of barriers to effective permitting, staff training, public outreach, enforcement officer to identify shoreline modification violations,	Increased public awareness of permitting process, increased permit compliance. Increase in the use of soft shore armoring techniques, reductions in hard armoring, reduced impacts to nearshore habitats and functions	6/12-3/14	\$	245,000						
1 & 2	<b>Ensuring Regulatory Effectiveness in Puget Sound's Aquatic Reserves</b>	This project will provide education about aquatic reserves and develop and train Citizen Stewards for aquatic reserves. Citizen Stewardship Committees will prioritize work based on the adopted management plans for each reserve and will conduct technical protection policy work, citizen science and outreach/education activities.	B3.1											Washington Environmental Council	Recruit volunteers and provide training. Perform outreach and education, citizen science projects and provide technical assistance to agencies involved with Aquatic Reserves	Agencies will have an increased awareness of citizen roles. Also, this project will lead to better involvement in and protection of Marine Aquatic Reserves	3/12-1/14	\$	300,000						
1 & 2	<b>Mapping Feeder Bluffs in Puget Sound</b>	The primary outputs of this project are sound-wide data on the location of feeder bluffs and guidance on the significance and use of this information. Secondary outputs include coordination and engagement with other organizations, supporting interest and projects by advisory group members, and increased capacity at Ecology to provide coordination and guidance on these issues.	B1.1		X	X								Washington Dept. of Ecology (ECY)	Detailed maps of all of Puget Sound's shoreline feeder bluffs	Better understanding of where Puget Sound's feeder bluffs are so that they can be better protected and restored, which will lead to improved beach system processes and habitat	9/11-9/13	\$	355,500						
1 & 2	<b>Marine Shoreline Design Guidance</b>	Through the Aquatic Habitat Guidelines Work Group, this project will compile a set of best practices and determine which "soft" shoreline techniques are an appropriate alternative to hard armoring in certain environments.	B1.1, B1.3, B2.3	X	X	X								WDFW	Guidance on the use of soft shore armoring techniques along Puget Sound shorelines	A reduction in the use of hard armoring across Puget Sound, which ultimately leads to restored ecosystem processes and habitat	11/11-1/14	\$	558,965						
3	<b>1.A: Assess and Report on Improving Compliance and Enforcement of Shoreline Regulations</b>	Analysis of permit compliance data, literature review of effective regulatory program implementation, interviews with local governments, and development of recommended strategies to improve compliance and enforcement across Puget Sound	B1.1, B1.3	X	X									WDFW	Produce a better understanding of the issues surrounding non-compliance with development regulations	Better regulatory program implementation and streamlined processes, increasing compliance with development regulations, providing better protection for shorelines.	7/13-12/13			\$	100,000				
3	<b>1. B: Pilot Projects on Effective Compliance and Enforcement Strategies</b>	Either through direct awards or a RFP, implement compliance and enforcement pilot projects that rely on the recommendations of project 1A, as well as the early successful outcomes of other Grant Program investments in effective regulation and stewardship.	B1.1, B1.2, B1.3											Local Governments or other parties that emerge as appropriate implementers	Multiple pilot projects that test and demonstrate effective compliance and enforcement strategies	Effective strategies are transferred to other jurisdictions; improved protection of Puget Sound habitat and species from pressures of development	Early 2014 - mid 2015			\$	600,000				
3	<b>Develop Incentive Toolkit on Shoreline Armoring Alternatives*</b>	Determine effective incentive options for voluntary armor removal on private property, forgoing armoring, or the use of softer shoreline armoring techniques--where armoring is necessary. This project will culminate in a web-based tool to facilitate implementation of incentive programs.	B2.3 NTA 1			X								TBD - Contractor	Tools for local governments and others to implement incentive-based strategies for armoring removal	Local governments and others have information necessary to implement programs; use of incentives leads to reduced shoreline armoring, improving shoreline ecosystem processes and benefiting habitat and species	8/13-2/14			\$	100,000				
4	<b>Protect and Restore Through Incentives*</b>	Fund local governments and others to initiate sustainable programs that lead to a reduction in shoreline armoring. Programs will be based on data on actual barriers and motivators of the shoreline landowners, and the incentives toolkit developed in R3. Programs could focus on forgoing armoring, removing armoring, using setbacks or softer techniques, or a combination of these. Priority may be given to projects that focus on mapped bluff-backed beaches or other high priority habitat.	B2.3, B2.1.1, D5.2, D5.3	X	X	X								Local governments, Tribes, NGOs	Local entities implement sustainable incentives programs.	Landowners will find it easier and more attractive to forgo hard armoring, remove armoring, or choose less impactful solutions, if armoring is necessary to protect important infrastructure.	Spring 2014-Summer 2016				\$	1,500,000			
5 & 6	Diffuse, enhance, and institutionalize successful strategies in effective regulation and stewardship	Based on the outcomes of past investments and emerging information, support implement proven strategies in order to improve regulatory outcomes.	B1.3	X	X	X								TBD	Local jurisdictions, and others will implement projects that rely on data and tested models for improving compliance with development regulations	Increased compliance that will in turn increase protection in nearshore areas	Initiate early 2015								X
5 & 6	Train Contractors on Marine Shoreline Design Guidance	Train marine shoreline contractors in Marine Shoreline Design Guidance, commissioned by the Grant Program in funding rounds 1/2, to increase armoring removal, soft shore armoring utilization and restoration of shoreline processes	B2.3			X								TBD	Contractors with a better understanding of alternatives to traditional methods of shoreline armoring	Increased likelihood of shoreline armoring projects using less impactful methods to protect property	Mid 2014								X
<b>C. Strategic Capital Investments</b>																		\$	<b>2,895,938</b>	\$	<b>2,183,262</b>	\$	<b>1,287,304</b>		
1 & 2	<b>High Priority Shoreline Habitat Acquisition</b>	Protect nearshore habitat from threats of future development by supporting three property acquisitions along Puget Sound shorelines through the ESRP 2010 project list.	B2.1											Recreation and Conservation Office (RCO)	Nearshore properties are acquired	Long term protection of natural areas and processes	9/11-6/13	\$	674,000						
1 & 2	<b>High Priority Marine Habitat Restoration</b>	Restore high priority marine and nearshore habitat by supporting four projects along Puget Sound shorelines through the ESRP 2010 project list.	B2.2											Recreation and Conservation Office (RCO)	Nearshore restoration projects	Habitat in nearshore areas is restored	9/11-6/13	\$	684,000						

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1 & 2	<b>Puget Sound Derelict Net Removal and Response and Retrieval Pilot</b>	Northwest Straits Foundation will coordinate the removal of the remaining, known, shallow water nets in Puget Sound. A pilot project will implement a new net removal project to keep new nets from accumulating in Puget Sound	B3.2 NTA 1	X	X			X	X	X	X	Northwest Straits Foundation	All known, shallow water derelict nets in Puget Sound will be removed	No further harm to marine fish and wildlife as a result of lost commercial fishing nets. Habitat will be allowed to recover in areas where nets are removed.	6/12-12/13	\$ 667,360			
3	<b>Public Engagement and Education on Beach Restoration</b>	Investing in restoration on publicly accessible lands creates an opportunity to engage the public and offer opportunities to view and learn about the importance and possibilities of restoring natural shoreline processes. This investment will develop a strategy and resources to engage the public, which can be implemented by entities such as MRCs.	B2.1, B2.2, B2.3			X						Contractor	Public outreach and engagement plan and associated resources.	Puget Sound residents are informed about the need to restore shorelines and the alternatives to traditional shoreline armoring, increasing public support for restoration.	Beginning Early 2014		\$ 100,000		
3	<b>Beach restoration to Restore Beach System Function</b>	This investment includes six restoration construction projects and two restoration design projects on beaches on publicly accessible lands. This includes removal of armoring and other shoreline modifications and restoring associated beach systems. The focus on publically accessible lands will allow the funded projects to serve as demonstration and education projects for the public to help Puget Sound residents, including landowners, become familiar with restoration and alternatives to shoreline armoring.	B2.1, B2.2, B2.3, B4.2	X	X	X			X	X	X	Recreation and Conservation Office (RCO)	Restored beaches that provide substantial opportunities for the public to view compelling alternatives to shoreline armoring.	Shoreline habitat is restored across Puget Sound, leading to increased use by species. Public is more aware of the benefits and possibilities of restoring shoreline habitat, and ultimately landowners implement shoreline restoration projects on private lands.	1/13-6/15	\$ 870,578	\$ 1,833,262		
3	<b>Social Marketing Strategy to Reduce Shoreline Armoring*</b>	Develop a strategy to motivate shoreline landowners to remove, replace or forgoe, based on data on barriers and motivators.	B4.2, D5.1-6									Contractor	Data on residential shoreline landowners, including motivations, behaviors, and other informative attributes. Social marketing plan. Assessment of the persuasiveness of different incentives.	Local governments have sufficient information to implement marketing and incentives strategies that fit the realities of their unique region	August 2013-Feb 2014		\$ 250,000		
4	<b>Long-Term Protection of Bluff-Backed Beaches or other Priority Habitat</b>	Through an agreement with one or more entities such as established land conservation organizations, provide long-term protection of bluff-backed beaches and other priority habitat, such as those identified by PSNERP. These properties could have been identified through Project 1 – Programs to Motivate a Reduction in Shoreline Armoring, or identified by government, land trust, or other credible entity. If the contractor is successful in attracting shoreline owners to seek formal long-term protection, the Grant Program could then provide the funds to secure the agreement.	B2.1.1	X	X	X			X	X		Qualified Conservation Easement Holding Organizations with Experience in Puget Sound	Long-term protection of bluff backed beaches and other high priority nearshore habitat	Priority habitat is restored at locations across Puget Sound, leading to increased utilization by species.	Beginning Early 2014			\$ 1,287,304	
5 & 6	Protect and Restore Habitat	Depending on funding level, permanently protect high-priority nearshore habitat under threat from development, or advance restoration projects identified in restoration plans such as PSNERP, Salmon Recovery Plans, or, design projects previously funded by the grant program.	B2.1 NTA 1, B2.2 NTA 1, B2.3	X	X	X			X	X	X	TBD	Depends on project	Key habitat and ecological processes are restored	TBD				X
5 & 6	Combining Tools to Achieve Substantial Restoration Benefits Across Ownership Boundaries	Investments to further restoration or protection along substantial portions of shoreline crossing ownership boundaries. This approach would likely include multiple landowners working together to restore property	B1.1, B1.2									TBD	Habitat restoration (feasibility, design or construction) along substantial segments of shoreline.	Restored habitat	TBD				X
<b>D. High Priority Threats: Invasive Species</b>																\$ 289,307	\$ -	\$ 100,000	
1 & 2	<b>Ballast Water Management Effectiveness Assessment</b>	Current ballast water management requires vessels to perform an open sea exchange to minimize discharge of coastal invasive species. Inspections to determine compliance are done on only a sub-set of vessels. Analysis of existing and new samples will indicate the rate of compliance, assist in targeting enforcement efforts, and lead to improved ballast water management strategies.	B5.3 NTA 1			X						WDFW	Collection of ballast water samples, analysis of new and existing ballast water samples, regulatory recommendations	Future invasive species risks to Puget Sound are minimized, protecting habitat and species	5/12-4/14	\$ 139,943			
1 & 2	<b>Commercial &amp; Recreational Hull Fouling Report with BMPs</b>	Hull fouling on vessels is one of the two most significant marine invasive species pathways threatening Puget Sound. There is a gap in current knowledge about the scale and nature of the issue. A risk assessment and report on BMPs designed to help those with authority to take action will reduce the threats to Puget Sound from marine invasive species.	B5.3 NTA 3, B5.4			X						Portland State University	Analysis of the risk to Puget Sound from invasive species introduced through hull fouling, and recommendations on best management practices for addressing risk	Improved knowledge about hull fouling and effective strategies for addressing it ultimately reduce or prevent the spread of invasive species through hull fouling, which will prevent irreversible harm to Puget Sound and functioning ecosystems	9/12-12-13	\$ 149,364			
4	<b>Marine Invasive Species Early Detection and Monitoring</b>	This project will develop and institute a monitoring program for the invasive marine green crab, or other high priority threat to Puget Sound. The monitoring program will be volunteer-based with oversight and coordination, and designed to be self-sustaining. The project sponsor will develop the monitoring protocol, provide training, purchase equipment and establish a volunteer monitoring network.	B5.3.2	X	X							TBD	Early detection and monitoring program developed and implemented. Volunteers trained and monitoring programs in place in strategic areas. Report on data of target invasive species presence in Puget Sound and volunteer efforts.	Volunteer monitoring programs detect the target invasive species and allow resource managers to take timely action to prevent this species from establishing in Puget Sound.	August 2013-August 2015			\$ 100,000	
<b>E. High Priority Threats: Oil Spills</b>																\$ 259,997	\$ -	\$ -	
1 & 2	<b>Preparing COASST Post Spill</b>	This project will produce an oil spill protocol for COASST participants, train select COASST participants in EOSR and 8-hour HAZWOPER certification, produce an annual report to state and federal agencies, MRCs, and tribal governments outlining relevant COASST resources (data, trained participants) in their trust management areas.	C8.2, C8.3								X	UW COASST	Oil spills/early on scene reconnaissance training, HAZWOPER trainers, response volunteer assessments, expanded bird mortality baseline datasets	Local volunteers will be trained and integrated into the region-wide spill response. Increased baseline data will provide more accurate Natural Resources Damage Assessments (NRDA)	1/13-8/14	\$ 57,661			
1 & 2	<b>Geographic Expansion of the Puget Sound Seabird Survey and Early On-Scene Training</b>	The Seattle Audubon Society will augment current oil spill response, training volunteers and expanding baseline datasets to assess damage caused by future oil spills. Volunteers will also be trained to assess conditions at the scene of a reported oil spill.	C8.2, C8.3								X	Seattle Audubon	Additional trained volunteers, expanded bird habitat utilization data.	Additional volunteers will be trained and available in the event of a spill. Expanded datasets will give response officials a better idea of where to better focus resources.	2/13-8/14	\$ 53,229			

\*This investment provides cross-cutting benefits and will include collaboration with other LOs.

1 & 2	<b>Swinomish Oil Spill Preparedness Project</b>	The Swinomish Indian Tribal Community will implement a project to develop local capacity to provide timely, high quality, information to regional Incident Command, and to develop local capacity to mobilize local assets and manpower in the event of a spill.	C8.2, C8.3								X	Swinomish Indian Tribal Community	Tribal community response protocols, local response capacity assessment, habitat prioritization, increases coordination with response agencies, Geographic Response Plan recommendations	The Swinomish Tribal Community will be trained and integrated into the region-wide spill response, ultimately creating an effective response in the event of a large spill and preventing damage to Puget Sound habitat and species	2/13-8/14	\$ 35,003				
1 & 2	<b>Community Engagement for Oil Spill Response and Readiness</b>	NWSF will facilitate community engagement in oil spill preparedness and response in Whatcom, Skagit, Island, San Juan, Jefferson, and Clallam Counties. Target audiences include local government and Tribal officials, and local communities.	C8.2, C8.3								X	Northwest Straits Foundation	Community preparedness and response training curriculum, 12 community engagement workshops, oiled wildlife care classes, HAZWOPER training, local incident notification communication tree	Local governments and others are trained and integrated into the region-wide spill response, ultimately creating an effective response in the event of a large spill and preventing damage to Puget Sound habitat and species	2/13-1/15	\$ 59,997				
1 & 2	<b>Addressing Key Threats from Large Oil Spills through Data Analysis and Guidance on Risk Management</b>	A report assessing key threats from large oil spills and produce guidance on risk management	C8.1 NTA 1								X	Puget Sound Partnership	Analysis of risk of large spills in Puget Sound and management recommendations	Improved knowledge about the risk of large spills leads to better management, ultimately preventing damage to habitat and species	8/12-12/13	\$ 200,000				
<b>F. Cross-cutting</b>																	\$ 495,421	\$ -	\$ -	
1 & 2	<b>Toxic Contaminant Monitoring in Mussels</b>	Data from mussel tissue will be used to evaluate status and track trends of contaminants in Puget Sound on a watershed or land-use scale. This information is valuable to organizations that are responsible for managing regional storm water and other aspects of water quality and control of toxic chemicals.	C1.4		X		X	X				WDFW	Field sampling of mussels, analysis of geographic extent of contamination, report on data and results, communication of results	Results of this study inform management and policy decisions, as well provide baseline data, leading to better protection of Puget Sound marine and nearshore habitat and species	11/11-7/14	\$ 207,620				
1 & 2	<b>Impacts of Outfalls on Eelgrass</b>	DNR will implement a strategy to analyze the current locations of outfalls and eelgrass to identify areas of greatest potential impacts, conduct a literature review, and gather data through tissue samples of eelgrass contamination in Puget Sound. This information will contribute to the understanding of the impacts of outfalls on eelgrass and will support informed management.	C2.4	X	X		X	X				WADNR	Literature review on effects of outfalls on eelgrass, analysis on current locations of outfalls overlapping eelgrass, field data collection of tissue samples, report on data and results, communication of results	Results of this study inform management and policy decisions, as well restoration strategies, leading to better protection and restoration of eelgrass habitat	4/12-4/14	\$ 171,760				
3 & 4	<b>Cross-Cutting Behavior Change Projects: Shoreline Armoring**</b>	Investments in incentive and social marketing tools, as well as on-the-ground incentive programs, cut across the goals and investment areas of both the Marine and Nearshore and Stewardship Lead Organizations. These projects are being developed in consultation with Stewardship Lead Organization.	D5.1 - D5.6									TBD	Data on residential shoreline landowners, including motivations, behaviors, and other informative attributes. Social marketing plan. Assessment of the persuasiveness of different incentives.	Local governments have sufficient information and funding to implement marketing and incentives strategies to reduce shoreline armoring and restore habitat	Fall 2013-Summer 2016			R3 and R4 Cross-cutting project funding is captured projects in strategic capital investment and regulation & stewardship project categories		
5 & 6	<b>Cross-Cutting Investments</b>	Continue to support cross-cutting investments either within the existing scope of our marine and nearshore investments, or by supporting work of other Lead Organizations that provides cross-cutting benefits	Depends on projects									TBD	Depends on projects	Benefits extend beyond marine and nearshore habitat protection and restoration to reduce toxic, nutrient, or pathogen pollution, or to restore and protect watersheds	TBD					X
1 & 2	Quality Assurance Coordinator	Agreement with Washington Department of Ecology to run the EPA Quality Assurance process.														\$ 116,041				
<b>F. Program management</b>																	\$ 856,922	\$ 616,738	\$ 433,278	
All	WDFW and WADNR Management	Expenses for grant program managers in WDFW and WADNR										WDFW/WADNR				\$ 856,922	\$ 616,738	\$ 433,278	X	
<b>TOTAL</b>																	\$ 8,533,604	\$ 3,600,000	\$ 3,320,582	

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\*\*R3 and R4 cross-cutting project funding is captured in the Strategic Capital Investment, and Effective Regulation and Stewardship sections

**GRAND TOTAL**  
\$ 15,454,186

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