

West Sound Watersheds (East Kitsap) 2007 Three Year Work Program Update

This work program update covers the entire eastern portion of WRIA 15, which is the same geographic area as the East Kitsap Lead Entity. Because Salmon Recovery Funding Board (SRFB) projects are organized and supported by the Lead Entity, this work program includes all projects and programs for the Lead Entity geographic area. Projects and programs that are in the South Sound (marine areas south of the Narrows) are marked with an asterisk. They will also be included in the 3 year update for that chapter.

The update of the three year work plan for this area reflects the progress we have made in the development of a salmon recovery planning and implementation organization. The counties, cities and tribes are in the process of becoming a functioning watershed council, which will also serve as the salmon recovery organization. The group elected to re-name the council as “West Sound Watersheds” to more accurately reflect the nature of the 125 small salmonid streams and 369 miles of shoreline in our planning area. We now have communication and involvement with four cities not previously engaged in salmon recovery – Poulsbo, Bremerton, Gig Harbor and Port Orchard. In addition, the coordinator for the West Sound Watersheds participates in the planning for South Sound salmon recovery as an active member of that work group, because of the overlapping areas of responsibility.

The focus of salmon recovery in the West Sound remains on protection and restoration of the nearshore environment. All of the projects and the programs on the work program reflect this intent, and are considered high priority.

The Tier 1, 2, 3 priorities of the capital projects is intended to convey status (readiness) for implementation. Capital projects that are included in tier 1 are those that have investment to date (awarded grant funds or are included in approved budgets). Tier 2 are those projects that have some detail or planning, but are not on a funding timeline for implementation. Tier 3 projects are not yet defined in detail. For non-capital, Tier 1 programs are those that are specific program needs mentioned in the Recovery Plan and Tier 2 are important but ancillary.

The significant missing item in our plan is adaptive management. We need to be more fully organized for adaptive management to function. A website is planned for the West Sound later in 2007, with one feature to be a repository for collection of salmon and nearshore information. We want to have real time adult return information available and results from local efforts like beach seining. WDFW has decided to delay “H-integration” for our area, so we will most likely also use this information to tell the story to the public of how the hatcheries contribute to fisheries in our local marine areas and how habitat restoration affects adult returns.

The following is a short description of the habitat capital projects in the Tier 1 category:

Chico Creek Instream Restoration: This restoration is at the Kitsap Golf and Country Club, where over 1000 feet of stream in the lower reach of Chico Creek has been channeled and banks armored. The restoration is a key part of the lower Chico Creek restoration process. The project engineering and design is nearing completion and the permits have been secured. The project is under funded and is scheduled for construction in 2008.

Barker Creek Estuary Restoration: This project will replace a five foot diameter culvert with a bridge at the mouth of Barker Creek in Dyes Inlet, restoring tidal function to the lower mile of stream and facilitating fish passage. The project was funded in an earlier SRFB round, with a faulty engineering estimate. The cost of the project rose significantly with re-design. Permits are secured, and the project must be completed in 2008 or the SRFB finds will not be available.

Carpenter Creek Estuary Restoration: This project replaces a tide gate (installed by the state of Washington for fish rearing) with a bridge and gives proper tidal function to 26 acres of undeveloped estuary habitat near Kingston. This is a US Army Corps of Engineers Section 206 project that is permitted and waiting for a federal budget approval. The cost of the project has risen, and the local share with it (35%).

Strawberry Plant Park Restoration: This project is located in Eagle Harbor on Bainbridge Island and includes the following actions: Remove intertidal fill, bulkheading, debris, and piles. Restore intertidal, estuarine and marsh habitat. Remove concrete parking area and restore riparian forest. The project design is under way and is scheduled for construction in 2009.

Pritchard Park East Bluff: This project is located on Bainbridge Island and includes the following actions: Relocate driveway & utilities, restore riparian forest, remove 500+ feet of bulkheading and restore feeder bluff function. The project design is under way and is scheduled for construction in 2009.

Indianola Waterfront Preserve: This project will replace a 15" culvert with a bridge, and remove fill from the estuary habitat behind the culvert. This was historically a part of Miller Bay, at Indianola, on the Port Madison (Suquamish). The project design is under way and is scheduled for construction in 2009.

Harper Estuary Restoration: This project opens up the tidal area now blocked at a historic pocket estuary in southern Kitsap County. The project design is under way and is scheduled for construction in 2009.

Donkey Creek Restoration: This project is located at the head of the bay in Gig Harbor. This is a part of a multi-phased project that daylights the creek, restores the riparian and estuary areas.

***Taylor Bay Acquisition:** This will protect the undeveloped portion of Taylor Bay, at the southern end of the Key Peninsula on Case Inlet, and 39 acres of upland.

Pilot Point: This will protect highest quality marine shoreline (as identified in the Kitsap Salmonid Refugia Report), and 40 acres of upland include two streams in northern Kitsap County, one mile south of Point no Point.

***Nearshore Habitat Restoration Projects:** SRFB grant in 2006 gave SPSSEG funding to develop and design nearshore restoration projects in the South Sound. Expected timeline for construction is 2009.

Eagle Harbor Oyster Gardening: On-going oyster culture experiment in marinas to improve water quality in Eagle Harbor on Bainbridge Island.

Storm water Infiltration projects: Facilities will be designed to improve ground water flows in Kitsap County (may also be Hood Canal projects)

Water Reuse Projects: Design, permit and construct water re-use projects in Kitsap County.

Curley Creek Bridge: Include design considerations for intertidal improvements at the mouth of Curley Creek, in southern Kitsap County. Bridge is schedule to be replaced in 2012.

Port Madison Nearshore Habitat Restoration Projects: Projects will be identified and undertaken that restore habitat processes and function such as removing bulkheads, groins, unused storm water outfall pipes, and placing LWD. The need is greater than the scale proposed, but the intent is to provide examples for nearby landowners to emulate on their property.

Miller Bay Shellfish Gardening: Using the Eagle Harbor example, mussels, Olympia oysters, and Pacific oysters will be hung from docks and also planted around Miller Bay to help consume the abundant plankton blooms, improve water clarity, and increase the potential growth of eelgrass within the bay. The bay is presently closed to shellfish harvest due to fecal coliform levels, but at some point in the future these shellfish may also be harvested by tribal and non-tribal members.

Port Madison Reservation Marine Riparian Initiative: Significant residential and commercial development is projected to occur on the Port Madison Reservation within the next three years. This activity will occur both on tribal and non-tribal land. The focus of this effort will be to protect significant on-reservation marine riparian habitats adjacent to pocket estuaries, shoreline wetlands, feeder bluffs, forage fish spawning beaches, and known juvenile salmon foraging habitat.

Non-Capital programs:

Harvest management support

Fish Data Monitoring: Turn spawning ground surveys, harvest and other data into real time information to update website for public information about local adult salmon returns.

Sinclair Inlet Sport Harvest Monitoring: A significant fall Chinook sport fishery has developed in Sinclair Inlet every fall targeting the hatchery Chinook raised and released

from Gorst Creek by the Suquamish Tribe, WDFW, City of Bremerton, and Kitsap Poggie Club. To properly evaluate the fishery, a creel census should be undertaken for a minimum of three years to verify marked/unmarked fish harvested and collect coded wire and other possible tags from the adult salmon. The Tribe already monitors their treaty fishery closely, collecting the information proposed to be collected from the sport fishery.

Future habitat project development

East Kitsap Nearshore Assessment: This assessment is scheduled for 2007, although not fully funded. This work is essential for strategic planning for protection and restoration of the nearshore.

Habitat protection -- monitoring of habitat quality:

Suquamish Tribe and Bainbridge Island forage fish Surveys: WDFW and the Suquamish Tribe maintained an historic herring spawning database for Port Madison and Agate Pass. Both WDFW and the Tribe do additional forage fish spot checks (either by beach surveys or beach seine surveys), but the historic level of effort was lost to budget cuts. This proposal reinstates the level of accuracy to monitor forage fish to gauge their current condition and the trends, if any, in their abundance. Forage fish are a critical food source for both listed and non-listed species.

Water quality and stream flow monitoring: Pilot projects aimed at better coordination and reporting of these parameters.

Habitat protection -- monitoring of regulatory programs: Kitsap County would like to update the Public Benefit Ratings System to streamline permitting process for shoreline protection for property owners who remove hard armoring (bulkheads) along the shoreline. (This includes Hood Canal).

***Habitat protection -- participation in policy or regulatory updates:** Assist the counties (Kitsap and Pierce) and cities (Bainbridge Is., Poulsbo, Gig Harbor, Bremerton, Port Orchard) with updates to the Shoreline Master Plans (SMP) and marine critical areas. Propose ordinances for irrigation and wetland banking, encourage low impact development and conservation of critical aquifer recharge areas.

Watershed Plan Implementation: Fund and support the organization to implement the salmon recovery plan and the Puget Sound Action Agenda.

***Outreach and Education:** Using SPSSEG in South Sound, UW Sea Grant and the Suquamish Tribe north of the Narrows, develop educational materials and program for educating shoreline property owners.

Outreach & Education – stewardship: The City of Bainbridge Island and UW Sea Grant have begun a stewardship program in 2007. We would like to build on this project and expand to other cities and unincorporated areas.

Salmon Recovery coordination/implementation: Maintains the ability of the local and tribal governments to continue to participate and direct salmon recovery project coordination and implementation.

Habitat Project Monitoring: Develop programs to monitor effectiveness of habitat restoration projects, especially along the shoreline.

Stock monitoring support: Kurt Fresh, NOAA Fisheries and an expert in this field of research has noted that the Tribe's cooperative beach seine research (with WDFW, local cities and volunteers, and colleges and schools) is the longest running effort in Puget Sound. This provides valuable insight into changing species abundances, water quality observations, and is tied to several SRFB projects as a monitoring component and to several EPA superfund sites that have no biological monitoring component. The Tribe uses this effort to evaluate interactions between hatchery and wild fall Chinook using their condition factor and taking fish health samples when it's possible to get fish health pathologists on board. \$50,000 is allocated to the Suquamish Tribal research vessel for engine replacement.

Tacoma Narrows Bridge Modification: Over the past three years the Squaxin Island Tribe has placed acoustic sensors at depths of up to 240 feet in the Tacoma Narrows. Information from these temporary listening lines has shown high levels of marine mortality for salmon populations originating from South Puget Sound. Additionally, numerous tags from seven other investigations have been detected by these listening lines.

After these successful trials, the Squaxin Island Tribe, Nisqually Tribe, WDFW, WDOE, UW, Evergreen College, ACOE, NOAA, and the NWIFC successfully petitioned the Washington Department of Transportation to leave attachment points for acoustic sensors on the new Tacoma Narrows Bridge. After construction is complete in 2007, eight mounts can be placed on the bridge at depths accessible to volunteer divers. Each mount will be coated in a protective layer designed to give a useful life of over 50 years; however, left untreated the attachment points are expected to begin deteriorating. This represents a unique one time opportunity to maintain year round acoustic lines in the Tacoma Narrows that can be maintained for no cost for several decades.

PRIORITY PROJECTS AND PROGRAMS BENEFITING NON-LISTED SPECIES:

Chico Creek Wild Chum Salmon Gamete Collection: The Tribe's collected Chico chum salmon gametes (eggs and sperm) from 1978 to 1982 to found their hatchery broodstock run. The Hatchery Scientific Review Group recommended that the Tribe maintain some wild gamete infusion into the hatchery gene pool to prevent inbreeding. This project will provide the Tribe the ability to permit, construct and operate the weir necessary to meet the HSRG recommendation.

Upper Barker Fish Passage Project: All the local landowners are on-board with replacing this blocking culvert to chum, coho, cutthroat, and steelhead. Funding is needed to hire an engineer to design the new, 10' buried culvert and begin the permit process. The rising costs of fuel and materials make it critical to replace this culvert within the next year or two before costs increase beyond the \$110,000 project estimate.

Small Blocking Culvert Remediation: Numerous small culverts are found in the upper reaches of nearly every large watershed in E Kitsap County. These culverts are currently off the map of major projects but should be remedied to restore access to spawning and rearing habitat, reduce predator choke points, and permit smaller LWD movement downstream. An example of such a culvert is on Gorst Creek, under the Old Belfair Highway Road near Gold Mountain Golf Course. The intent of this proposal is to fix problems, not point fingers.

Bainbridge Island fish passage improvements: The city would like to prioritize and improve fish passage to accompany active salmon spawning monitoring by citizens.

Clear Creek Bridge: Double culverts on Clear Creek, near the mouth at Dyes Inlet, will be replaced with a bridge in 2010.

**Three-Year Watershed Implementation Priorities West Sound Watersheds (East Kitsap)
*South of the Narrows**

Priority Tier	Primary Limiting Factors Addressed	Action name and description	Likely sponsor	Total cost of first three years	Proposed SRFB (or grant) share	Local share or other funding	Source of other funds	2008		2009		2010		Likely end date	For Habitat projects (see key for categories)				
								Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost		Acquisition	Restoration type, if applicable	Location w/in watershed	Performance	
CAPITAL PROJECTS																			
Habitat Capital Projects																			
1	3,7	Chico Creek Instream restoration	Kitsap County	\$912,000	\$200,000	\$712,000	GP	construction	\$200,000		\$0		\$0	2008		LP	mainstem	.52 mile of stream, 19 miles improved fish passage	
1	2,7	Barker Creek Estuary Restoration	MSFEG	\$1,000,000	\$400,000	\$130,000	GP/ESRP	construction	\$400,000		\$0		\$0	2008		E,P	marine	.5 acre of estuary, 5 miles improved fish passage	
1	2	Carpenter Creek Estuary Restoration	Kitsap County	\$3,472,000	\$637,000	\$2,935,000	GP	construction	\$637,000		\$0		\$0	2008		M	marine	26 acres estuary	
1	2	Strawberry Plant Park Restoration	City of Bainbridge Island	\$850,000	\$200,000	\$650,000		Design	\$204,000	Construction	\$596,000	Maintenance, Monitor	\$50,000	2018		M	marine	2.25 acres	
1	2	Pritchard Park East Bluff	City of Bainbridge Island	\$335,000		\$335,000		Planning	\$0	Design & Construct	\$325,000	Maintenance, Monitor	\$10,000	2018		M	Marine	500+ feet Shoreline	
1	2	Indianola Waterfront Preserv	MSFEG	\$466,000	\$400,000	\$66,000		Design	\$66,000	Construction	\$400,000			2010		M	Marine	1 acre	
1	2	Harper Estuary Restoration	MSFEG	\$560,000	\$500,000	\$60,000		Design	\$60,000	Construction	\$500,000			2010					
1	2	Donkey Creek Restoration	City of Gig Harbor	\$4,550,000	\$950,000	\$3,600,000	GP/ESRP	permitting	\$60,000	construction	\$840,000	close out project	\$50,000	2010		AR	M	Marine	1 acre, .3 mile shoreline
1	2	*Taylor Bay Acquisition	Key Peninsula Park Dist.	\$1,500,000	\$500,000	\$1,000,000	ESRP, TPL	landowner negotiations, assessment	\$25,000	fee simple acquisition	\$1,475,000			2010		AP	Marine	40 acres, 1000 ft shoreline	
1	2	Pilot Point Acquisition	Kitsap County Parks	\$4,025,000	\$500,000	\$2,025,000	ESRP, TPL, CELCF	landowner negotiations, assessment	\$25,000	fee simple acquisition	\$3,975,000			2010		AP	Marine	30 acres, 1100 ft shoreline	
1	2,7	*Nearshore Habitat Restoration Projects	SPSSEG, Pierce County	\$700,000	\$500,000	\$200,000	ESRP	Identify and Develop Projects	\$100,000	Design and Permitting	\$100,000	Construct Multiple Projects	\$500,000	2012		E, M	Marine	.3 mile shoreline	
1	5	Eagle Harbor Oyster Gardening	City of Bainbridge Island	\$60,000		\$60,000		continue program	\$20,000	continue program	\$20,000	continue program	\$20,000	ongoing		M	Marine	55 gallons per oyster	
1	5,6	Construct Stormwater Infiltration Facilities designed to improve low flow	Kitsap County	\$250,000	\$125,000	\$125,000	SSWM	Design, permit	\$50,000	Construct Project	\$200,000			2009					
1	6	Permit & Construct Water Reuse Projects	Kitsap County	\$300,000	\$75,000	\$225,000	State capital budget	Design, permit, user agreements	\$100,000	Construct Project	\$150,000	Monitor	\$50,000	ongoing					
1	2	Curley Creek Bridge	Kitsap County	\$200,000	\$100,000	\$100,000	County Roads	design	\$50,000	constructing	\$50,000	permitted	\$50,000	2012		M	Marine	20 acres estuary	
1	2,7	Port Madison Nearshore Habitat Restoration Projects	Squamish Tribe	\$500,000	\$300,000	\$200,000	Squamish Tribe	Identify and Develop Projects	\$75,000	Design and Permitting	\$100,000	Construct One or Two Projects	\$325,000	2012		E, M	Marine	.5 mile shoreline	
1	5	Miller Bay Shellfish Gardening	Friends of Miller Bay	\$50,000		\$50,000		Start new program	\$20,000	continue program	\$20,000	continue program	\$10,000	ongoing		M	Marine	55 gallons per oyster 20 gallons per mussel	
2	2	Port Madison Reservation Marine Riparian Initiative	Squamish Tribe	\$150,000	\$75,000	\$75,000		pilot project	\$10,000	expand program	\$70,000	continue program	\$70,000	ongoing		AP	M	Marine	10 acres
2	2	Bainbridge Island Marine Riparian Initiative	City of Bainbridge Island, Bainbridge Island Land Trust	\$210,000	\$105,000	\$105,000		pilot project	\$10,000	expand program	\$100,000	continue program	\$100,000	ongoing		AP	M	Marine	6 acres
2	2,7	*Silver Bow Farms Estuary Restoration	SPSSEG, Pierce County	\$450,000	\$250,000	\$200,000	ESRP	Scoping and Landowner negotiations	\$10,000	Final designs and permitting	\$40,000	Construct Project	\$400,000	2010		M	Marine	5 acres	
2	2,7	*East Oro Bay Dam Removal	SPSSEG, Pierce County	\$350,000	\$150,000	\$100,000	ESRP	Scoping and Landowner negotiations	\$10,000	Final designs and permitting	\$40,000	Construct Project	\$300,000	2010		M	Marine	3 acres, 5 miles shoreline	
2	2,7	Chico Creek Estuary property Acquisition	Kitsap County	\$1,070,000	\$70,000		GP/ESRP	feasibility	\$35,000	negotiation	\$35,000	purchase	\$1,000,000	2012		AR	Marine	30 acres estuary, # miles shoreline	
2	2,7	*Moorelands Estuary Restoration	SPSSEG, Pierce County	\$650,000	\$610,101	\$39,899	ESRP	Final Design and Permitting	\$40,000	Construct Project	\$600,000	Project Closeout	\$10,000	2009		M	Marine	1.3 acres	
2	2,7	*Victor Beach Stream Restoration	SPSSEG, Pierce County	\$350,000	\$250,000	\$100,000	ESRP	Scoping and Landowner negotiations	\$10,000	Final designs and permitting	\$40,000	Construct Project	\$300,000	2010		M	Marine	3 acres, 5 miles	
2	7	*Dutcher Cr Fish Ladder Replacement	SPSSEG	\$450,000	\$382,500	\$67,500	Unknown	Final Design and Permitting	\$67,500	Construct Project	\$380,000	Project Closeout	\$2,500	2009		I	Passage	2 miles	
2	7	*Little Minter Fish Passage Project	SPSSEG	\$200,000	\$150,000	\$50,000	Unknown	Final Design and Permitting	\$20,000	Construct Project	\$170,000	Project Closeout	\$10,000	2009		P	Passage	2 miles	
2	2	Blakely Harbor Park Restoration	City of Bainbridge Island	\$320,000	\$250,000	\$70,000		Preliminary Site Evaluation & Conceptual Plans	\$20,000	Detailed Site Evaluation & Preliminary Design	\$100,000	Final Design	\$200,000			M, P	Marine	feet	
3	2	Country Club Road decommission	City of Bainbridge Island	unknown	unknown	unknown	Private Donation		unknown	unknown	unknown		unknown			M	Marine		
3	2	Schel-Chelb Estuary expansion	City of Bainbridge Island, Private Owner	\$3,000,000	\$750,000	\$2,250,000	Private Donations	Acquire Option	\$150,000	Acquisition	\$1,500,000	Acquisition	\$1,350,000	2009		AR	Marine	acres	
3	2	Eagle Harbor Head-of-the-Bay Restoration	City of Bainbridge Island	unknown	unknown	unknown										M, P		acres	
3	2	Manitou Beach Drive re-alignment	City of Bainbridge Island	unknown	unknown	unknown												feet	
3	2	Manitou Beach Marsh restoration	City of Bainbridge Island	unknown	unknown	unknown												acres	
3	2	Pritchard Park Milwaukee Dock restoration	City of Bainbridge Island	unknown	unknown	unknown		Conceptual Plan	\$0	Design		Construct		2019		M	Marine		
3	2	Pritchard Park West Riprap removal	City of Bainbridge Island	unknown	unknown	unknown		Conceptual Plan	\$0	Design		Construct		2019		M	Marine		
3	2	Waterfront Park Beach Restoration	City of Bainbridge Island	\$175,000	\$0	\$175,000	ALEA	Conceptual Plan	\$0	Design	\$25,000	Construct	\$150,000	2019		M	Marine		
3	2	Derelict Creosote Wood removal	City of Bainbridge Island, WA DNR	unknown	unknown	unknown	WA DNR	remove creosote wood		remove creosote wood		remove creosote wood		ongoing		M	Marine		
3	2	Derelict Creosote Wood removal	Squamish Tribe	\$250,000	\$200,000	\$50,000	Squamish Tribe	Permitting and Property Owner permission to remove creosote wood		remove creosote wood and dispose	\$200,000	remove creosote wood		ongoing, as sites are secured and more funding obtained		M	Marine	100 pilings removed	
TOTAL CAPITAL NEED:				\$27,355,000	\$8,629,601	\$15,755,399													
NON-CAPITAL PROGRAMS																			
Harvest Management support																			
1		Fish data monitoring	Squamish Tribe	\$65,000				process spawning survey harvest data update website	\$25,000	ongoing	\$20,000	ongoing	\$20,000	ongoing					
1		Sinclair Inlet Sport Harvest Monitoring	Squamish Tribe WDFW	\$65,000	\$50,000	\$15,000	Squamish Tribe	Monitor sport Chinook harvest per for hatchery/wild Chinook catch and cwt recovery	\$25,000	ongoing	\$20,000	ongoing	\$20,000	ongoing				Part of H-integration and HSRG recommendations	

Priority Tier	Primary Limiting Factors Addressed	Action name and description	Likely sponsor	Total cost of first three years	Proposed SRFB (or grant) share	Local share or other funding	Source of other funds	Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost	Likely end date	Acquisition	Restoration type, if applicable	Location w/in watershed	Performance
Future Habitat Project Development																		
1		East Kitsap Nearshore Assessment	Kitsap County	\$351,050	\$85,000	\$276,050	ESRP	conduct assessment	\$75,000	write report	\$10,000			2009				
Habitat protection -- monitoring of habitat quality																		
2		Suquamish Tribe Forage Fish Surveys	Suquamish Tribe, WDFW	\$20,000	\$0	\$10,000	Suquamish Tribe, WDFW	Forage Fish Surveys	\$10,000	Forage Fish Surveys	\$10,000	Forage Fish Surveys	\$10,000	ongoing				fore former WDFW effort in Port Madison Bay to maintain historic databases
2		Bainbridge Island Forage Fish Surveys	City of Bainbridge Island, WDFW	\$15,000	\$0	\$15,000	City of BI, WDFW	Forage Fish Surveys	\$5,000	Forage Fish Surveys	\$5,000	Forage Fish Surveys	\$5,000	ongoing				
1		Stream flow monitoring coordination	Kitsap County	\$70,000	\$60,000	\$10,000	SSWM	Conceptual framework	\$30,000	Consensus, ILAs	\$20,000	Develop IT framework	\$20,000	ongoing				
2		Bainbridge Island Water Quality Monitoring	City of Bainbridge Island	unknown	\$0	unknown	City of BI	Pilot monitoring program		Expand monitoring program		Expand monitoring program		ongoing				
Habitat protection -- monitoring of regulatory programs																		
1		Update Public Benefit Rating Program to encourage bulkhead removal	Kitsap County	\$80,000	\$70,000	\$10,000	ESRP, GP	develop program	\$20,000	implement program	\$30,000	implement program	\$30,000					
Habitat protection -- participation in policy or regulatory updates																		
1		(all*) West Sound Watersheds SMP Updates	5 Cities, 2 Counties	\$1,960,000	\$980,000	\$980,000	Cities, Counties, DOE	None	\$280,000	Inventory & Analysis	\$280,000	Policy & regulation development	\$420,000	2011				
2		Bainbridge Island CAO Marine Critical Areas Amendment	City of Bainbridge Island	\$70,000	\$0	\$70,000	City of BI	Begin CAO Amendment	\$55,000	Complete CAO Amendment	\$15,000			2008				
1		Propose ordinances for landscape irrigation and wetland banking	Kitsap County	\$60,000	\$50,000	\$10,000	SSWM	Conceptual framework, ILAs	\$20,000	Gather existing, propose language	\$20,000	Public process	\$20,000	2010				
1		Update Public Benefit Rating Program to encourage Low Impact Development and conservation of critical recharge areas	Kitsap County	\$40,000	\$30,000	\$10,000	SSWM											
Watershed Plan Implementation																		
1		West Sound Watershed organization	Kitsap County	\$300,000	\$150,000	\$150,000	WDFW	ongoing	\$50,000	ongoing	\$50,000	ongoing	\$50,000	on-going				
Outreach & Education																		
1		*Shoreline Community Outreach Program	SPSSEG	\$60,000	\$30,000	\$30,000	NFWF	Design program	\$10,000	Manage program	\$10,000	Manage Program	\$10,000	ongoing				
1		Port Madison shoreline landowner education	Suquamish Tribe, FOMB, TU, Stillwaters EC	\$30,000	\$30,000			Design and coordinate program with other efforts	\$10,000	Manage program	\$10,000	Manage program	\$10,000	ongoing				
1		Shoreline landowner education	UW Sea Grant	\$90,000	\$60,000	\$30,000	UW Sea Grant	Design program	\$40,000	Manage program	\$25,000	Manage program	\$25,000	ongoing				
Outreach & Education -- stewardship																		
1		Bainbridge Island Shoreline Stewardship Program	City of Bainbridge Island	\$165,000	\$0	\$165,000	WSU Extension	Implement program	\$55,000	Implement program	\$55,000	Implement program	\$55,000	ongoing				
1		Expand Shore Stewards to other cities, county	Kitsap County	\$165,000		\$165,000	WSU Extension	Design program	\$55,000	Manage program	\$55,000	Manage program	\$55,000	Manage program				
Instream Flow protection																		
1		Establish a water resources clearinghouse	Kitsap County	\$100,000	\$100,000	\$0		Conceptual framework	\$40,000	Consensus, ILAs	\$30,000	Develop IT framework, populate	\$30,000	ongoing				
Salmon Recovery coordination/implementation																		
1		Bainbridge Island Project Management	City of Bainbridge Island	\$270,000	\$0	\$270,000		Project Management	\$90,000	Project Management	\$90,000	Project Management	\$90,000	ongoing				
1		Kitsap County project management	Kitsap County	\$300,000	\$300,000			Project Management	\$100,000	Project Management	\$100,000	Project Management	\$100,000	ongoing				
1		Suquamish Tribe Project Management	Suquamish Tribe	\$250,000	\$200,000	\$50,000	Suquamish Tribe	Project Management	\$50,000	Project Management	\$100,000	Project Management	\$100,000	ongoing				
Habitat Project Monitoring																		
1		*Nearshore Effectiveness	SPSSEG	\$75,000		\$75,000	ESRP, DOE, DNR, WDFW	Develop plan	\$25,000	Monitor and assess	\$25,000	Monitor and assess	\$25,000	Ongoing				
1		Habitat Project Monitoring	Suquamish Tribe	\$150,000	\$75,000	\$150,000	Suquamish Tribe	monitor, update website	\$50,000	monitor, update website	\$50,000	monitor and update website	\$50,000					
Stock Monitoring Support																		
1		Beach seine research	Suquamish Tribe, WDFW	\$300,000	\$150,000	\$150,000	Suquamish Tribe	DNA, data, cwt processing	\$100,000	DNA, data, cwt processing	\$50,000	DNA, cwt, data processing	\$50,000	on-going				
1		Tacoma Narrows Bridge Modification	Squaxin Island Tribes	\$27,500	\$22,500	\$5,000	UAS, SITNR	Construction	\$27,500									
TOTAL NON-CAPITAL NEED:				\$5,078,550	\$2,442,500	\$2,646,050												
TOTAL CAPITAL & NON-CAPITAL NEED:				\$32,433,550	\$11,072,101	\$18,401,449												
PRIORITY PROJECTS AND PROGRAMS BENEFITING NON-LISTED SPECIES																		
1		Chico Creek wild chum salmon gamete collection	Suquamish Tribe	\$45,000	\$40,000	\$5,000	Suquamish Tribe	Integrate wild gametes into hatchery chum broodstock per HSRG recommendation	\$15,000	permitting weir construction operation	\$15,000	ongoing	\$15,000	ongoing				Meet HSRG broodstock collection recommendation
2	7	Upper Barker Fish Passage Project	MSFEG	\$140,000	\$100,000	\$40,000	Suquamish Tribe	Final Design and Permitting	\$30,000	Construct Project	\$110,000	Project Closeout	\$0	2009		P	Passage	1 mile
2		Small blocking culvert remediation	Suquamish Tribe, partners	\$300,000	\$250,000	\$50,000	Suquamish Tribe, partners	Identify projects, secure permission and permits	\$100,000	Construct Projects	\$100,000	ongoing	\$100,000	ongoing until all culverts mitigated				Fix 10 - 20 blocking culverts under County and City roads
2		Bainbridge Island Fish Passage Improvements	City of Bainbridge Island	\$210,000	\$0	\$210,000	City of BI	Evaluate, prioritize fish passage improvements	\$10,000	Restore fish passage	\$100,000	Restore fish passage	\$100,000	ongoing				
1	6,7	Clear Creek Bridge	Kitsap County	\$6,500,000	\$500,000	\$6,500,000	County Roads	design	\$60,000	Restore fish passage permitting	\$40,000	construction	\$400,000	2010		P	tributaries	
TOTAL NON-LISTED SPECIES NEED:				\$7,195,000	\$890,000	\$6,805,000			\$215,000		\$365,000		\$615,000					