APPENDIX I.
PUGET SOUND SALMON RECOVER 2012 3-YEAR WORK PLANS FOR WRIA 7, WRIA 8, WRIA 9, WRIA 10

This appendix contains a listing of the 2012 3-year work plans prepared for the Puget Sound Partnership for the following watersheds: Snohomish, Lake Washington/Cedar/Sammamish, Green/Duwamish, Puyallup-White/Chambers-Clover. On an annual basis, each of the watershed groups representing the fourteen watershed chapters of the Puget Sound Salmon Recovery Plan develop three-year work program updates to describe the watershed's accomplishments during the previous year, identify the current status of recovery actions, and to propose future actions in the next three years necessary to implement the Salmon Recovery Plan. These work programs are intended to provide a road map for policy and technical decision makers across the Puget Sound region on priorities for implementing the salmon recovery plan, inform and support funding requests, and establish a recovery trajectory within each watershed and the region.

Snohomish Watershed WRIA 7

Project ID	Plan Category	Plan Catergory Level 2	Project Name	Project Description	Sequence score	Rank	Sequence Rank	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Project Performance (restore 30 acres of floodplain)	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	2013 Activity to be funded	2013 Estimated Budget	2014 Activity to be funded	2014 Estimated Budget	2015 Activity to be funded	2015 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Known Funding Secured	Local share or other funding	Source of funds (PSAR, SRFB, other)
07-NR-013	Restoration Projects	Nearshore restoration	Howarth Park Beach Restoration	Coming out of the Snohomish County led Neashore Sediment Assessment project, Howarth Park was one of four sites recommended for restoration. At this site, the 10% designs developed for the project call for removing the bulkhead near the bridge tower, then adding sediment to the beach area to increase available habitat for salmon and other nearesh ore species.	100	A	Most pressing need	Degraded Habitat-Estuarine and Nearshore Marine	Snohomish River Basin Salmon Conservation Plan, Snohomish Nearshored Sediment Assessment design report	Nearshore (Beaches)	Activity Type - Design	Complete final design	Chinook	Chum, Coho, Sockeye, Pink, Steelhead, Surf Smelt, Sand Lance	30% design complete	Design	$210,000	Construction	$350,000			8/31/2014	City of Everett	$560,000			
07-NR-025	Restoration Projects	Nearshore restoration	Nearshore Beach Nourishment Design and Permitting	Complete final design and permitting for three beach nourishment sites in the Mukilteo to Everett drift cell. Sites 2, 5, 9 were selected during the nearshore sediment assessment project that was completed in 2011.	100	A	Most pressing need	Degraded Habitat-Estuarine and Nearshore Marine		Nearshore (Beaches)	Design of 3 sediment nourishment projects (Sites 2, 5, 9 from the assessment)	Design	Chinook	Cutthroat , Chum, Coho, Pink, Steelhead, Surf Smelt, Sand Lance	Proposed	Design	$139,000					8/31/2014	Snohomish County, Snohomish County Marine Resources Committee (MRC)	$139,000			
07-NR-003	Restoration Projects	Nearshore restoration	Jetty Island South Extension Phase II	Use clean dredged material to extend Jetty Island 2,200 ft to the south along the west side of the existing rock jetty. This project is a continuation of the February 2007, 1000-foot extention of the island, constructed using approx 60,000 cy of sand dredged from the lower settling basin. The planned 2012 - 2013 action will extend the island an additional 2,200 feet to the south and will add material to increase the width and elevation of the 2007 extension. The project will be jointly funded by the Corps of Engineers and the Port of Everett. People for Puget Sound will do project monitoring in cooperation with the Port and Pentec Environmental.	95	A	Most pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment, Non-Habitat Limiting Factors, Estuarine and Nearshore Habitat		Nearshore (Beaches)	Activity Type - Estuarine & Nearshore: Beach Nourishment (1 Acres), Snohomish Basin Nearshore: Beaches and Shoreline: Enhancement of nearshore armoring (LC) (2200 Feet)	1 acre beach creation 2,200 feet armoring enhancement	Chinook	Chum, Chinook, Coho, Bull Trout, Steelhead, Cutthroat, Pink, Surf Smelt, Sand Lance, Bald Eagle, Peregrine Falcon	Design, permitting complete	Construction	$700,000					3/1/2013	Port of Everett, US Army Corps of Engineers	$700,000	$700,000	$75,000	Port of Everett ($75k), US Army Corps of Engineers
07-NR-005	Restoration Projects	Nearshore restoration	Renourish Existing Jetty Island Berm	The Jetty Island berm, originally constructed in 1990 with 323,000 cy of clean river sand, requires periodic renourishment to maintain its integrity and to protect the productive depositional mudflat and fringing salt marsh in the lagoon formed by the berm. Renourishment most recently occurred in January / February 2007 and in February 2009. The next renourishment is planned for Winter 2012-13. Quantities of sediment placed for each renourishment is typically 20,000 to 60,000 cy.	90	A	Most pressing need	Degraded Habitat-Estuarine and Nearshore Marine		Estuary (River Delta), Nearshore (Beaches), Nearshore (Embayments)	Activity Type - Estuarine & Nearshore: Berm or Dike Removal or Modification (15 Acres)	15 acres beach nourishment	Chinook	Chum, Coho, Pink, Bull Trout, Steelhead, Surf Smelt, Sand Lance, Bald Eagle, Peregrine Falcon	Design Completed	Construction	$475,000					12/31/2020	Port of Everett	$475,000	$475,000 (according to HWS)	$75,000	Port of Everett ($75k), US Army Corps of Engineers?
07-NR-011	Restoration Projects	Nearshore restoration	North Mukilteo Nearshore Restoration and Creosote Removal	North Mukilteo Nearshore Restoration: The shoreline in the northeast portion of Mukilteo is 4,700+ lineal feet from Elliot Point to the POE Mount Baker Transfer Facility on Port Gardner Bay, within Whidbey Basin of Puget Sound. The whole extent of the shoreline has bulkheads or riprap with piers that consist of approximately 400,000 square feet of over-water coverage. Japanese Creek enters Puget Sound through two enclosed culverts 190 plus feet long. The abandoned 20 acre Tank Farm site is publically owned land with 3,250 lineal feet of nearshore. Comprehensive restoration of the shoreline must:1. Remove nearly 4,000 creosote piles and 222,750 square feet of an over-water pier; 2. Reconfigure the hydraulic modified 250 l.ft. of deepwater shoreline of the total 3,250 l. ft and remove cement fallen & migrated rip rap materials from the nearshore; soften bulkhead/rip rap profile w/woody debris/drift logs and cobble material; 3. Daylight 190 feet of Japanese Creek from the railroad tracks to the shoreline with early century historical artifact recovery; & 4. Adds a shoreline walkway.	90	A	Most pressing need	Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Beaches)	Activity Type - Estuarine & Nearshore: Overwater Structure Removal / Modification (5 Acres)		Chum, Chinook, Coho, Bull Trout, Cutthroat	Orca (Killer Whale), Surf Smelt, Sand Lance, Bald Eagle, Marbled Murrelet	Conceptual							12/31/2017	Washington State Ferries	$21,700,000			
07-NR-009	Restoration Projects	Nearshore restoration	Light House Park Phase 2 Beach Restoration	The proposed project is within Mukilteo Lighthouse Park and will provide an additional waterfront access, 340 lineal feet of riparian shoreline vegetation, accessible pathways, a picnic table, open lawn, low impact development (LID) storm drainage swales for water quality along the western edge of the Mukilteo Lighthouse on a site that is predominantly a parking lot but adjacent to unique and historic Mukilteo Lighthouse complex and the water, which draws over 1 million visitors each year.	85	B	Pressing need	Degraded Habitat-Estuarine and Nearshore Marine, Biological Processes, Estuarine and Nearshore Habitat		Riparian, Nearshore (Beaches)	Snohomish Basin Nearshore: Beaches and Shoreline: Enhancement of nearshore armoring (LC) (340 Feet)	340 ft enhancement of nearshore armoring	Chinook	Cutthroat , Chinook, Chum, Coho, Bull Trout, Bald Eagle, Marbled Murrelet	Design Completed, Permitting Completed							12/31/2010	Mukilteo City of	$33,600			
07-NR-010	Restoration Projects	Nearshore restoration	Japanese Gulch Fish Passage Improvements	The goal of the Japanese Gulch Creek Day Lighting project is to recreate a fish passable stream system that feeds into Possession Sound. To do this, the project has been broken into several phase: Phase 1:Replace the concrete drainage structure north of Mukilteo Lane (on BNSF land) with a fish passable steps or ladder. Phase 1 was completed in July of 201 Phase 2:Design and build up to three passable fish structures in the lower reaches of Japanese Gulch Stream between Mukilteo Lane and 4th Street. Phase 2 was completed in October of 2010 Phase 3:Relocate Japanese Gulch into its historic channel on the west side of the Boeing Rail Road Spur. This project also includes evaluating the possibility of opening the Category 2 wetland adjacent to Japanese Gulch Stream to tidal waters to create a saltwater estuary. Depending of the results, building improvements to create the estuary. Design of the stream relocation in underway. Construction is expected to occur in the summer of 2011. Phase 4:Design and build passable fish structures in the upper reaches of Japanese Gulch Stream between 5th Street and SR 526. Feasibility study completed in June of 2010 concluded that the costs associated with boring under 5th Street and the limited habitat south of 5th Street was not cost effective. As a result, this portion of the project was dropped. Phase 5:Daylight Japanese Gulch Creek across the Federal Tank Farm property north of the BNSF rail road tracks. The $4 million cost estimate for this phase of the project is in project number 07-NR-011.	85	B	Pressing need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Stream Flow		Instream	Activity Type - Fish Passage: Fish ladder Installed / improved (3 Each)		Chum, Coho, Bull Trout, Rainbow, Cutthroat		Feasibility Pending, Feasibility Completed, Design Completed, Construction Completed							3/16/2015	Mukilteo City of	$2,500,000			
07-NR-012	Acquisition/Restoration (Combination)	Nearshore restoration	Tulalip Nearshore Acquisition and Restoration	Protect and restore critical areas along the Tulalip shoreline and nearshore.	85	B	Pressing need			Nearshore (Beaches), Nearshore (Rocky Coast), Nearshore (Embayments)			Chinook	Chum, Coho, Surf Smelt, Sand Lance, Bald Eagle	Conceptual							1/1/2014	Tulalip Tribes				
07-NR-014	Restoration Projects	Nearshore restoration	Priest Point Pocket Estuary Restoration	Reconnect tidal lagoon within private properties. Project will require considerable public outrach with the neighboring landowners. Project may require construction of a cross-dike.	85	B	Pressing need	Degraded Habitat-Estuarine and Nearshore Marine					Chinook									12/31/2015	Tulalip Tribes				
07-ER-035	Acquisition/Restoration (Combination)	Estuary restoration	Diking District 6 Inter-tidal Restoration Project	Construct setback dike and breach current dike to restore tidal influence to at least 230 acres of wetland, with additional non-tidal wetland enhancement behind the setback dike.	90	A	Most pressing need	Degraded Habitat-Estuarine and Nearshore Marine, Biological Processes, Estuarine and Nearshore Habitat		Estuary (River Delta)	Snohomish Basin Estuary: Tidal Marsh: Restoration of tidal marsh (LC) (230 Acres)	230 acres tidal marsh restored	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead	Feasibility Completed	Design	$2,500,000	Construct setback dike, fill ditches	$7,500,000	Breach dike	$2,500,000	12/31/2015	City of Everett	$12,500,000		City of Everett, Snohomish County	ACOE, National Coastal Wetlands
07-ER-053	Restoration Projects	Estuary restoration	Everett Riverfront North Wetland Complex and adjacent proposed Public Park	Restore up to 21.6 acres of tidal marsh habitat in the south wetland complexes, as part of the Everett Riverfront Development.	90	A	Most pressing need	Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat	Snohomish River Basin Salmon Conservation Plan	Estuary (River Delta)	Activity Type - Estuarine & Nearshore: Berm or Dike Removal or Modification (21.60 Acres)	21.6 acres tidal marsh restored	Chinook	Cutthroat , Coho, Bull Trout, Steelhead	Feasibility Completed, Design Completed, Land Acquisition Completed							12/31/2015	City of Everett	$2,004,048			
07-ER-013	Restoration Projects	Estuary restoration	Blue Heron Slough Habitat Conservation Bank	Reconnect and enhance 320 acres of off-channel habitat. Restore 13,500 ft of edge habitat through hydrologic and sediment process restoration and riparian enhancement. The project requires a short cross dike of 4,232 ft.	90	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Non-Habitat Limiting Factors, Biological Processes, Estuarine and Nearshore Habitat		Estuary (River Delta)	Activity Type - Estuarine & Nearshore: Berm or Dike Removal or Modification (320 Acres), Activity Type - Estuarine & Nearshore: Channel Modification/Creation (13500 Linear Feet), Snohomish Basin Estuary: Tidal Marsh: Restoration of tidal marsh (LC) (320 acres) (note: many more activity types selected in HWS - include all?)	13,500 feet channel modified 320 acres tidal marsh restored	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead, Surf Smelt, Bald Eagle, Peregrine Falcon	Design Completed, Permitting pending	Construction	$2,700,000					12/31/2013	Port of Everett, Wildlands, Inc.	$2,700,000	$2,700,000? (according to 2012 3WP) HWS says 0 funded		Mitigation Funds, partial funding from Port of Everett
07-ER-037	Restoration Projects	Estuary restoration	Smith Island Estuary Restoration - Construction	Restore over 300 acres of tidal marsh through setback dike construction, breaches of existing dike , filling / blocking of existing drainage ditch network, enhancement / extension of existing tidal channels, large woody debris and log-jam complexes, edge habitat complexity features, and native revegetation.	90	A	Most pressing need	Degraded Habitat-Estuarine and Nearshore Marine, Biological Processes, Estuarine and Nearshore Habitat	Snohomish River Basin Salmon Conservation Plan, Snohomish Estuary Wetland Enhancement Plan, Restoration Opportunities in the Lower Snohomish River, etc.	Estuary (River Delta)	Snohomish Basin Estuary: Tidal Marsh: Restoration of tidal marsh (LC) (400 Acres)	400 acres tidal marsh restored	Chinook	Cutthroat , Chum , Coho , Pink , Bull Trout , Steelhead	Feasibility Completed	Construction	$ 13,500,000	Monitoring	$ 500,000	Monitoring		1/1/2014	Snohomish County of	$15,000,000	$10,000,000	$500,000	PSAR, SRFB, ESRP, mitigation, NOAA Restoration Center
07-ER-040	Restoration Projects	Estuary restoration	Steamboat Slough Tidal Marsh Enhancement	This project will evaluate opportunities to improve mainstem habitat and habitat connectivity through an analysis of physical processes at work, particularly at channel junctions. Opportunities will be identified and ranked, and three (at a minimum) will be designed to a level to support permitting, setting the stage for implementation. Hydrodynamic modeling will be conducted to inform project alternatives analysis and design.	90	A	Most pressing need	Degraded Habitat-Estuarine and Nearshore Marine, Biological Processes, Estuarine and Nearshore Habitat	Snohomish River Basin Salmon Conservation Plan	Estuary (River Delta)	Activity Type - Estuarine & Nearshore: Berm or Dike Removal or Modification (100 Acres)	100 acres tidal marsh enhanced	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead	Feasibility Completed			Design	$150,000	Construction	$285,000	12/31/2012	Tulalip Tribes, Snohomish County	$435,000	$0		
07-ER-042	Restoration Projects	Estuary restoration	Assess and improve mainstem channel habitat connectivity	Assess and improve connectivity to tidal marsh habitats located along mainstem and distributary sloughs.	90	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Non-Habitat Limiting Factors, Degraded Habitat-Stream Flow, Degraded Habitat-Estuarine and Nearshore Marine	Snohomish River Basin Salmon Conservation Plan	Instream		Assessment completed	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead	Monitoring, Construction Completed					Feasibility	$250,000	12/31/2012	Snohomish County of	$150,000			
07-ER-102	Restoration Projects	Estuary restoration	Smith Island Estuary Restoration - Permitting and Design	Complete design and permitting for the 400 acre tidal marsh restoration site in coordination with City of Everett, DD5 and other partners.	90	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Non-Habitat Limiting Factors, Degraded Habitat-Stream Flow, Degraded Habitat-Estuarine and Nearshore Marine, Biological Processes, Estuarine and Nearshore Habitat		Estuary (River Delta)		Final design completed Permits in-hand	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead	Feasibility Completed	Design						5/31/2011	Snohomish County of	$759,800	$759,800		SRFB, ESRP, NCWG
07-ER-036	Restoration Projects	Estuary restoration	Qwuloolt Estuary Restoration Project	The Qwuloolt Estuary Restoration Project represents a broad-based interagency and community effort to restore 400 acres of critical estuary and stream habitats within the Snohomish River estuary and improve salmon access to 16 miles of stream channel.	90	A	Most pressing need	Estuarine and Nearshore Habitat		Estuary (River Delta)	Snohomish Basin Estuary: Tidal Marsh: Restoration of tidal marsh (LC) (350 Acres)	400 acres tidal marsh restored	Chinook	Cutthroat , Chum, Coho, Sockeye, Pink, Bull Trout, Steelhead	Feasibility Completed, Design Completed							12/31/2012	Tulalip Tribes	$7,073,941			
07-ER-039	Restoration Projects	Estuary restoration	Quilceda Estuary Restoration	Restoration of historic estuary to approximately 5-10 acres of tidal marsh along Quilceda Creek, Snohomish River Delta Estuary.	90	A	Most pressing need	Estuarine and Nearshore Habitat		Estuary (River Delta)	Activity Type - Estuarine & Nearshore: Berm or Dike Removal or Modification (10 Acres)	10 acres tidal marsh	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead, Bald Eagle, Marbled Murrelet, Peregrine Falcon	Feasibility Pending, Conceptual							12/31/2015	Tulalip Tribes	$250,000			
07-ER-003	Restoration Projects	Estuary restoration	Smith Island/Union Slough Estuarine Habitat Restoration	The construction of the setback dike was completed in 2004 and the three 180 ft breach openings of the existing levee were completed in Fall 2007. Monitoring for the City's mitigation site identified a number of issues with the drainage of the site between tide cycles and the bridges that were constructed at the dike breach openings. In 2010 the project team began the process of design and permitting to remove the bridges and relocate the pedestrian trail. Some corrective work was completed in 2011. The Project will be completed in 2012, when the Corps contractor will be removing the southern two bridges and deepening the channels.	75	B	Pressing need	Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat	Snohomish River Basin Salmon Conservation Plan	Estuary (River Delta)	Activity Type - Estuarine & Nearshore: Berm or Dike Removal or Modification (93 Acres)	3 bridges removed 1 improved drainage 1 relocated pedestrian access	Chinook	Cutthroat, Coho, Pink, Bull trout, Steelhead	Design Completed, Monitoring	Design, construction	$1,500,000					12/31/2011	City of Everett	$1,500,000			
07-ER-038	Restoration Projects	Estuary restoration	Bigelow Creek Rechannelization and Enhancement and the South Wetland Complex	Restore over 800 feet of Bigelow Creek into a more natural meandering channel, with 6.9 acres of floodplain/wetland area. See also Project Id 07-ER-053 for restoring tidal connection at the Riverfront south wetland complexes.	75	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Degraded Habitat-Estuarine and Nearshore Marine	Snohomish River Basin Salmon Conservation Plan	Estuary (River Delta)	Activity Type - Channel floodplain: Hydrological Manipulation (6.9 Acres), Activity Type - Channel modification (800 feet), Activity Type - Culvert removal (2 each)	6.9 acres 800 feet 2 culverts	Chinook	Chum, Coho, Pink, Bull Trout, Steelhead	Feasibility Pending, Design Completed, Land Acquisition Completed	Construction	$435,000	Monitoring/maintenance				12/31/2012	City of Everett, Tulalip Tribes	$435,000	$435,000	City of Everett	Pacific Salmon Commission
07-MPR-305	Acquisition/Restoration (Combination)	Mainstem-primary restoration	Snoqualmie Fall City Reach Reconnection	5280 ft. edge, 5 ac. Off-channel, 12 ac. Riparian	100	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes		Rivers/Streams/Shoreline	Activity Type - Estuarine & Nearshore: Channel Modification/Creation (5280 Linear Feet), Activity Type - Estuarine & Nearshore: Hydrological Manipulation (5 Acres), Activity Type - Riparian Habitat: Planting (12 Acres), Snohomish River Basin Mainstem: Restored Edge: Removal of armoring/levee within 5 meters of the ordinary high water mark (LC) (5280 Feet), Snohomish River Basin Mainstem: Restored Off-channel Habitat: Winter/Spring off-channel habitat restoration (LC) (5 Acres), Snohomish River Basin Mainstem: Restored Riparian Habitat: Riparian planting (LC) (12 Acres)		Chinook	Cutthroat , Coho, Steelhead	Feasibility Pending							12/31/2012	King County DNRP	$4,000,000			
07-MPR-321	Restoration Projects	Mainstem-primary restoration	McElhoe-Person Levee Setback	Levee setback to restore 2500 ft. of edge habitat, 2.5 acers off-channel habitat, and 2 acres riparian vegetation.	100	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes		Rivers/Streams/Shoreline	Activity Type - Estuarine & Nearshore: Channel Modification/Creation (2500 Linear Feet), Activity Type - Estuarine & Nearshore: Hydrological Manipulation (2.50 Acres), Activity Type - Riparian Habitat: Planting (2 Acres)	2,500 feet edge 2.5 acres off-channel 2 acres riparian	Chinook	Cutthroat , Coho, Steelhead	Feasibility Pending							12/31/2012	King County DNRP	$918,000			
07-MPR-186	Restoration Projects	Mainstem-primary restoration	Middle Pilchuck River Final Design	Complete final design and permitting for pilot project selected from Middle Pilchuck Assessment.	100	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment	Snohomish River Basin Salmon Conservation Plan, Middle Pilchuck River Assessment	Riparian, Rivers/Streams/Shoreline	Design	Design	Chinook	Steelhead	Feasibility pending	Design and permitting	$100,000	Construction	$300,000			12/31/2014	Snohomish County of	$120,000			
#New_ID	Restoration Projects	Mainstem-primary restoration	Pilchuck River Outreach Restoration Campaign	A series of high priority on-the-ground restoration projects will be completed in the Middle Pilchuck River watershed in partnership with private landowners. This work will be intiated through targeted outreach campaign to riverside landowners emphasizing the importance of the three priorities 1. SLOW the water down, 2. SPREAD the water out, and 3. SOAK the water up. These target messages were developed to address the major habitat limiting impairments of the watershed as identified in Snohomish County's Middle Pilchuck River Assessment. Resultant projects will include riparian planting, LWD placement for improved edge habitat, and re-connection/restoration of site channels.	100	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Stream Flow		Riparian, Instream, Rivers/Streams/Shoreline	Snohomish River Basin Mainstem: Large Woody Debris (new log jams): Placement of new log jams (new log jams) (LC) (1 Each), Snohomish River Basin Mainstem: Restored Off-channel Habitat: Summer off-channel habitat restoration (LC) (1 Acres), Snohomish River Basin Mainstem: Restored Riparian Habitat: Riparian planting (LC) (5 Acres)	1 log jam installed 1 acre summer off-channel restored 5 acres riparian planted	Chinook	Coho, Bull Trout, Steelhead, Cutthroat, Pink	Proposed	Feasibility, Design, and Construction	$50,000	Design and Construction	$100,000	Construction	$50,000	12/31/2015	Trout Unlimited	$200,000			
07-MPR-030	Restoration Projects	Mainstem-primary restoration	Island formation at Thomas' Eddy	Hydraulically enhance existing breach in the Thomas' Eddy dike to connect existing floodplain channel and create forested island along the mainstem river	100	A	Most pressing need	Degraded Habitat - Channel Structure and Complexity, Degraded Habitat - Floodplain Connectivity and Function, Degraded Habitat - Riparian Areas and LWD Recruitment	Snohomish River Basin Salmon Conservation Plan, Snohomish Confluence Reach Restoration Assessment	Instream	50 feet of levee removal/3,000 cu yds material removal shape existing banks install ~12 flood fences Restore 2,000 feet/1.5 acres of summer flow off-channel Restore 5 acres of riparian habitat install 100 large wood complexes	50 feet levee removal 2,000 feet/1.5 acres summer off-channel 5 acres riparian 100 large wood complexes	Chinook	Chum, Bull trout, Steelhead, Cutthroat, Coho	Proposed	Design and permit	$120,000	Construction	$380,000					Snohomish County	$500,000			

Project ID	Plan Category	Plan Catergory Level 2	Project Name	Project Description	Sequence score	Rank	Sequence Rank	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Project Performance (restore 30 acres of floodplain)	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	2013 Activity to be funded	2013 Estimated Budget	2014 Activity to be funded	2014 Estimated Budget	2015 Activity to be funded	2015 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Known Funding Secured	Local share or other funding	Source of funds (PSAR, SRFB, other)
07-MPR-176	Restoration Projects	Mainstem-primary restoration	Snohomish Estuary Edge Enhancement Phase II	Increase edge complexity and roughness for 2 miles of channel.	95	A	Most pressing need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Estuarine and Nearshore Marine, Biological Processes, Estuarine and Nearshore Habitat	Snohomish River Basin Salmon Conservation Plan	Riparian	Activity Type - Estuarine & Nearshore: Berm or Dike Removal or Modification (1 Acres)	1 acre tidal marsh restored 20 log jams installed	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead	Feasibility Pending			Feasibility	$100,000	Design and permitting	$80,000	12/31/2012	Snohomish County of	$480,000	$0		
07-MPR-370	Restoration Projects	Mainstem-primary restoration	Lower Skykomish Restoration Phase I	Snohomish County has completed a reach scale geomorphic analysis of the lower Skykomish River below Sultan (RM 0 to RM 13.5). A goal of the analysis was to describe geomorphic and hydraulic processes in the reach and use that knowledge to identify and design specific restoration projects that will be consistent with natural processes. In an initial review of our results, we have identified four projects. These projects will include installation of 8 log structures to improve edge habitat, as well as 9 acres of flood fencing and riparian planting.	95	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment	Snohomish River Basin Salmon Conservation Plan, Lower Skykomish River Assessment	Riparian, Instream	Snohomish River Basin Mainstem: Large Woody Debris (new log jams): Placement of new log jams (new log jams) (LC) (8 Each), Snohomish River Basin Mainstem: Restored Riparian Habitat: Riparian planting (LC) (9.10 Acres)	8 log jams 9 acres riparian	Chinook	Coho, Bull Trout, Steelhead	Feasibility Completed	Construction	$121,800					12/31/2015	Snohomish County of	$283,500	$121,800		SRFB
07-MPR-373	Restoration Projects	Mainstem-primary restoration	Lower Skykomish Restoration Phase II	Snohomish County has completed a reach scale geomorphic analysis of the lower Skykomish River below Sultan (RM 0 to RM 13.5). A goal of the analysis was to describe geomorphic and hydraulic processes in the reach and use that knowledge to identify and design specific restoration projects that will be consistent with natural processes. In an initial review of our results, we have identified four projects. These projects will include installation of 8 log structures to improve edge habitat, as well as 9 acres of flood fencing and riparian planting.	95	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment	Snohomish River Basin Salmon Conservation Plan, Lower Skykomish River Assessment	Riparian, Instream	Snohomish River Basin Mainstem: Large Woody Debris (new log jams): Placement of new log jams (new log jams) (LC) (8 Each), Snohomish River Basin Mainstem: Restored Riparian Habitat: Riparian planting (LC) (9.10 Acres)	Completion of project above.	Chinook	Coho, Bull Trout, Steelhead	Feasibility Completed	Construction	$189,000					12/31/2015	Snohomish County of	$223,125	$189,000		SRFB
07-MPR-214	Restoration Projects	Mainstem-primary restoration	Upper Tychman Slough Restoration	Restore aquatic and riparian habitat along Tychman Slough, a side-channel slough of the Skykomish River near Sultan. This project will deliver the following outcomes: floodplain roughness features (flood fences); instream large wood structures along the upper channel to provide cover in existing pools; weed control on 6 acres; riparian planting on 6 acres; and 2,000 feet of livestock exclusion fencing.	95	A	Most pressing need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality		Riparian, Rivers/Streams/Shoreline	Activity Type - Riparian Habitat: Plant removal / control (6 Acres), Activity Type - Riparian Habitat: Planting (4 Acres), Activity Type - Instream Habitat: Number of LWD structures placed in channel (80 Each); Activity Type - Upland Habitat: Agriculture fencing (1,000 Feet)	6 acres invasives controlled 6 acres riparian planted 80 logs and root wads installed 5 flood fences installed 1,000 feet agriculture fencing	Chinook	Cutthroat , Chum, Coho, Pink, Steelhead	Design Completed	Planting, weed control	$170,000	Planting, fencing	$130,000		$410,000	12/31/2014	Sound Salmon Solutions and Snohomish Conservation District	$710,000			SRFB (#10-1186), Natural Resource Damage Assessment and Restoration , DOE Centennial and 319 Clean Water Fund
07-MPR-326	Restoration Projects	Mainstem-primary restoration	CC Phase II Cherry Creek Floodplain Restoration	Consolidate three Cherry Creek floodplain ditches into a single naturalized stream channel. This project will improve instream and riparian habitat diversity and complexity for nearly one mile of channel within lower Cherry Creek and its floodplain and will complement Cherry Valley acquisition / restoration efforts being undertaken by WDFW and DD#7, including levee / pump removal.	95	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Non-Habitat Limiting Factors, Degraded Habitat-Fish Passage		Riparian, Instream	Snohomish River Basin Mainstem: Restored Off-channel Habitat: Summer off-channel habitat restoration (LC) (30 Acres)	30 acres summer off-channel habitat restored	Chinook	Cutthroat , Chum , Coho , Pink , Bull Trout , Steelhead	Feasibility Completed	None	$0	None	$0	None	$0	12/31/2013	Wild Fish Conservancy	$535,000	$535,000		PSAR (#07-1701) , NFWF, King Conservation District, King County, Ducks Unlimited
07-MPR-119	Restoration Projects	Mainstem-primary restoration	Raging River Kerriston Reach Restoration	Placing large woody debris in the channel and floodplain as well as 15 acres of riparian enhancement.	90	A	Most pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian	Activity Type - Riparian Habitat: Planting (15 Acres), Snohomish River Basin Mainstem: Restored Riparian Habitat: Riparian planting (LC) (15 Acres)	15 acres riparian planted	Steelhead	Coho	Feasibility Pending							12/31/2011	King County DNRP	$200,000			
07-MPR-137	Restoration Projects	Mainstem-primary restoration	Shinglebolt Slough	Restore degraded side-channel rearing length (approximately 4000 lf) and capacity (1.5-2.0 acres) within the Sultan-Skykomish rivers confluence area at Shinglebolt Slough. Enlarge inlet opening and channel area in Shinglebolt Slough by excavation. Construct flood fencing to enhance upstream inlet opening and in-channel habitat conditions. Protect and improve left bank edge habitat in slough with riparian planting and woody debris bank treatments. Monitor before and after conditions to document project performance and habitat benefits, particularly flow duration for outmigration rearing during Feb-June. Conduct limited monitoring to evaluate project outcomes.	90	A	Most pressing need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment	Snohomish River Basin Salmon Conservation Plan	Riparian, Instream	Design	Design	Chinook	Chum, Coho, Pink, Bull Trout, Steelhead	Proposed	Design and permitting (2012)	$50,000	Construction (2013)	$390,000			12/31/2014	Snohomish County of	$440,000	$50,000	$390,000	FERC Aquatic Account
07-MPR-366	Restoration Projects	Mainstem-primary restoration	South Fork Skykomish Knotweed Control and Riparian Restoration	Treat knotweed infested sites and replant appropriate areas along approxi. Treatment will occur along the river and major tributaries connected to the South Fork Skykomish River. The project will include 3.5 river miles of initial treatment and up to 14 river miles of maintenance retreatment as well as riparian plantings along 3,000 linear feet per year.	85	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian			Chinook	Chum, Coho, Bull trout, Steelhead, Cutthroat, Pink	Feasibility Pending							12/31/2013	King County DNR & Parks	$278,500			
07-MPR-397	Acquisition Projects	Mainstem-primary restoration	Tolt River Conservation	Purchase high quality salmon habitat along the Tolt River between river mile 3 - 5.	85	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes			Acquisition	5 acres	Chinook	Chum, Coho, Bull trout, Steelhead, Cutthroat, Pink	Feasibility Pending	Acquisition	$230,000					12/30/2016	King County DNR & Parks	$230,000			
07-MPR-025	Acquisition Projects	Mainstem-primary restoration	Lower Snoqualmie River Protection	Protect High Quality Habitat along the Lower Snoqualmie River.	85	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes			Acquisition	10 acres	Chinook	Chum, Coho, Bull trout, Steelhead, Cutthroat, Pink	Feasibility Pending					Acquisition	$500,000	12/29/2017	King County DNR & Parks	$500,000			
07-MPR-192	Restoration Projects	Mainstem-primary restoration	Lower Skykomish River Restoration Assessment and Design, Phill	Identify and immplement projects that will restore and protect habitat (e.g.: riparian, edge, off-channel habitat) in the Lower Reach Skykomish.	95	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes	Snohomish River Basin Salmon Conservation Plan, Lower Skykomish River Assessment	Riparian, Rivers/Streams/Shoreline	Design	1 design	Chinook	Chum, Coho, Pink, Bull Trout, Steelhead	Conceptual	Design and permitting	$52,000	Construction	$375,000		$427,000	12/31/2015	Snohomish County of	$80,000	$7,000	$7,000	Snohomish County
07-MPR-072	Acquisition Projects	Mainstem-primary restoration	Raging River Upper Preston Reach Acquisitions	Work with willing landowners to protect 24 acres of stream corridors	85	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes		Rivers/Streams/Shoreline	Snohomish River Basin Mainstem: Restored Edge: Acquisition in the Mainstem Sub-basin Strategy Groups (LC) (24 Acres)	24 acres acquired	Chinook	Cutthroat , Coho, Steelhead	Conceptual							12/31/2011	King County DNRP	$500,000			
07-MPR-108	Restoration Projects	Mainstem-primary restoration	Tolt River Focus Area 5 Protection	Preservation (proximate to aquatic habitat): 30 acres; work with willing landowners to protect the stream corridor	85	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes		Rivers/Streams/Shoreline	Activity Type - Acquisition/Easements/Leases : Wetland areas protected (30 Acres)	30 acres acquired	Chinook	Cutthroat , Coho, Steelhead	Feasibility Pending							12/31/2015	King County DNRP	$500,000			
07-MPR-322	Restoration Projects	Mainstem-primary restoration	Snoqualmie Riparian Restoration	Mainstem Primary - Snoqualmie Riparian Restoration on Agriculture Lands to restore 10 acres riparian habitat.	85	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian	Activity Type - Riparian Habitat: Planting (10 Acres), Snohomish River Basin Mainstem: Restored Riparian Habitat: Riparian planting (LC) (10 Acres)		Chinook	Cutthroat , Coho, Steelhead	Design Completed							12/31/2012	King County DNRP	$100,000			
07-MPR-196	Restoration Projects	Mainstem-primary restoration	Tolt Footbridge Restoration	Mainstem primary - Tolt Footbridge Floodplain restoration design	85	B	Pressing need								Feasibility Pending							12/31/2007	King County of	$650,000			
07-MPR-216	Restoration Projects	Mainstem-primary restoration	Raging River Knotweed Control and Revegetation	Treat approx. 30 acres knotweed infested sites and replant appropriate areas.	85	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian	Activity Type - Riparian Habitat: Plant removal/ control (30 Acres)		Cutthroat	Cutthroat , Coho, Steelhead	Feasibility Pending							12/31/2012	Mountains to Sound Greenway Trust	$100,000			
07-MPR-364	Restoration Projects	Mainstem-primary restoration	Maloney Creek Restoration I	Maloney Creek Restoration will involve three parts: (1) wetland creation; (2) construction of sediment detention ponds; (3) instream restoration.	85	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Stream Flow, Degraded Habitat-Stream Substrate		Instream, Wetland	Activity Type - Instream Habitat: Channel structure - Wood structure / log jam (2000 Feet), Activity Type - Wetlands: Upland wetland creation (1 Acres)	2000 ft wood structure 1 acre upland wetland creation	Steelhead	Coho, Rainbow, Cutthroat	Feasibility Pending							9/30/2013	Mt. Baker-Snoqualmie National Forest, Skykomish, Town of	$500,000			
07-MPR-312	Acquisition Projects	Mainstem-primary restoration	Tolt River Habitat Acquisitions (City of Carnation)	Acquire and protect from future development riparian areas on the Lower Tolt River mainstem containing significant in-stream habitat value for Chinook salmon.	85	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes		Upland, Riparian, Wetland, Rivers/Streams/Shoreline	Snohomish River Basin Mainstem: Restored Edge: Acquisition in the Mainstem Sub-basin Strategy Groups (LC) (5 Acres)	5 acres acquired	Chinook	Coho, Steelhead	Feasibility Completed							12/31/2012	Seattle City Light	$400,000	$423,172 (According to note in HWS)		Seattle City Light, NFWF
07-MPR-365	Restoration Projects	Mainstem-primary restoration	Fall City Park Riparian Restoraiton Phase 2	Control invasive plants and restore 9 acres of riparian area at King County's Fall City Park along the Snoqualmie River. Phase 1 was completed in 2010 and phase 2 will extend downstream.	85	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian			Chinook	Cutthroat , Chum, Coho, Steelhead	Design Completed							12/31/2012	Snoqualmie Tribe	$280,000			
07-MPR-005	Restoration Projects	Mainstem-primary restoration	Lower Tolt Restoration Project - Camp River Ranch	Work with the owner of Camp River Ranch to improve their river-front property for salmon habitat. Invasive weeds will be controlled along approximately 5,000 linear feet of the left bank of the lower Tolt River. Weed control will occur on up to 9 acres followed by riparian planting. The planting will consist of establishing up to 100-foot wide riparian buffers where vegetation is sparse and establishing an understory conifer forest in areas where primarily deciduous trees exist. The proposed project will incorporate community outreach, educational opportunities, and the establishment of a native plant nursery on-site to grow native plants that will be used in the restoration planting areas.	85	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian	Activity Type - Riparian Habitat: Plant removal / control (9 Acres), Activity Type - Riparian Habitat: Planting (9 Acres)	9 acres invasives controlled 9 acres riparian planted	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead	Feasibility Completed	Riparian planting	$20,000	Riparian planting	$15,000	Monitoring and final reporting	$2,000	4/30/2014	Sound Salmon Solutions	$50,000	$50,000		King Conservation District, Recreation and Conservation Office (ALEA)
07-MPR-371	Restoration Projects	Mainstem-primary restoration	Snoqualmie Mainstem and Cherry Creek	Restore ecological functions to two miles of privately owned Snoqualmie River bank plus the lower 1/3-mile of Cherry Creek, which presently flows in a trench. The first phase of restoration activity on these sites includes: (1) a feasibility study for restoration of the trenched reach of Cherry Creek; (2) a reach analysis and feasibility study for restoration of the river mainstem; (3) revegetation of one mile of the steep 15-foot high mainstem river bank; and (4) completing the ongoing project of planting one row of trees on 1.5-miles of river banktop pasture area.	85	B	Pressing need	Degraded Habitat-Channel Structure and Complexity		Riparian, Instream, Rivers/Streams/Shoreline	Activity Type - Instream Habitat: Channel reconfiguration and connectivity (1,760 Feet), Snohomish River Basin Mainstem: Restored Riparian Habitat: Riparian planting (LC) (5 Acres)	5 acres riparian planted 1,760 feet channel restored	Chinook	Coho, Cutthroat, Chum, Pink, Bull Trout, Steelhead, Bald Eagle	Feasibility Pending	30% design report	$20,000					6/30/2013	Sound Salmon Solutions	$63,597	$75,977		SRFB (#11-1256), Sound Salmon Solutions
07-MPR-193	Restoration Projects	Mainstem-primary restoration	Snoqualmie at Cherry Creek Riparian and Edge Enhancement	Restore ecological functions to two miles of privately owned Snoqualmie River bank including revegetation of one mile of the steep 15-foot high mainstem river bank; and completing the ongoing project of planting one row of trees on 1.5-miles of river banktop pasture area.	85	B	Pressing need	Degraded Habitat-Channel Structure and Complexity		Riparian, Instream, Rivers/Streams/Shoreline	Activity Type - Riparian Habitat: Planting (6 Acres)	3 acres riparian planted	Chinook	Coho, Cutthroat, Chum, Pink, Bull Trout, Steelhead, Bald Eagle	Proposed							12/31/2015	Sound Salmon Solutions	$258,000	$75,977		SRFB (#11-1256), Sound Salmon Solutions (Potential funding through WA Dept. of Ecology)
07-MPR-401	Restoration Projects	Mainstem-primary restoration	Snoqualmie Mainstem Feasibility - Duvall Reach	Conduct a feasibility study of the Duvall Reach of the Lower Mainstem Snoqualmie River to determine possible restoration alternatives and locations.	85	B	Pressing need	Degraded Habitat-Channel Structure and Complexity		Riparian, Instream, Rivers/Streams/Shoreline	Activity Type - Riparian Habitat	Unknown	Chinook	Coho, Cutthroat, Chum, Pink, Bull Trout, Steelhead, Bald Eagle	Conceptual							12/31/2015	Sound Salmon Solutions	$258,000	$75,977		SRFB (#11-1256), Sound Salmon Solutions
07-MPR-372	Restoration Projects	Mainstem-primary restoration	Middle Pilchuck River Habitat Enhancement Project	Continue activities initiated under a previous SRFB grant (#07-1714). This proposed project will advance designs to 100%, fund the construction of two large wood projects, continue weed control efforts, and provide riparian planting in and adjacent to the construction areas. Approximately 3,600 feet of the right bank and 1,200 feet of the left bank will be targeted for invasive weed control and riparian planting. This equates to approximately 5.5 acres of weed control and 4.5 acres of riparian planting.	85	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Degraded Habitat-Stream Substrate		Riparian, Instream, Rivers/Streams/Shoreline	Activity Type - Riparian Habitat: Plant removal / control (5.5 Acres), Activity Type - Riparian Habitat: Planting (4.5 Acres), Snohomish River Basin Other Sub-basins Restoration: Restored Riparian Habitat: Riparian Planting (LC) (4.5 Acres)	5.5 acres invasives controlled 4.5 acres riparian planted	Chinook	Chum, Coho, Pink, Bull Trout	Feasibility Completed	Planting, weed control	$40,000	Planting, weed control	$30,000			6/30/2014	Sound Salmon Solutions	$453,352	$453,352		SRFB (#11-1263), Sound Salmon Solutions
07-MPR-393	Restoration Projects	Mainstem-primary restoration	Riparian Restoration at Stillwater Wildlife Area, 2010	Partner with the Washington Department of Fish and Wildlife, local community volunteers, and students to enhance at least 3 acres of riparian forest along Harris Creek and tributaries to the Snoqualmie River within the Stillwater Wildlife Area. The priority work area will be the right bank of lower Harris Creek near the mouth. Stillwater is a 450-acre parcel about three miles north of Carnation owned and managed by WDFW for wildlife habitat and public recreational access.	85	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian	Activity Type - Riparian Habitat: Plant removal / control (3 Acres), Activity Type - Riparian Habitat: Planting (3 Acres)	3 acres invasives controlled 3 acres riparian planted	Chinook	Coho, Bull Trout, Pink, Chum	Design Completed							6/28/2013	Sound Salmon Solutions	$90,000	$90,000		King Conservation District ($50K), Ducks Unlimited ($30K), REI, Inc. ($10K)
07-MPR-324	Restoration Projects	Mainstem-primary restoration	Raging River Tributary Fish Barrier Removal and Stream Habitat Restoration	The proposed restoration project will provide fish access to valuable off-channel rearing habitat by installing a fish passable culvert and realigning a degraded ditched stream channel. Coho salmon and steelhead will benefit directly from the proposed restoration and are the target species of the project. To allow fish passage upstream to off-channel rearing habitat, a fish passable culvert must be installed under a privately maintained gravel road. To prevent fish mortality and allow fish access to upstream habitat, the onsite wetland pond outflow must be realigned out of the currently degraded ditched channel. Channel realignment will require the excavation of approximately 150 feet of new stream channel. The newly excavated stream banks will be managed to control invasive plant species (mostly reed canarygrass). Native riparian plantings will be re-established throughout the riparian corridor. Large woody debris and gravel will be placed in the newly aligned stream channel.	85	B	Pressing need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Stream Flow		Riparian, Instream, Wetland, Rivers/Streams/Shoreline			Coho	Cutthroat , Steelhead	Feasibility Completed							8/16/2010	Tulalip Tribes	$37,400			
07-MPR-204	Restoration Projects	Mainstem-primary restoration	Fern Bluff Levee Enhancement.	Acquisition; increase flow in off channel slough behind levee; enhance tributary	85	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Stream Flow		Instream, Wetland, Rivers/Streams/Shoreline			Chinook	Cutthroat , Coho	Feasibility Pending							12/31/2012	Washington Department of Fish and Wildlife	$500,000			
07-MPR-398	Restoration Projects	Mainstem-primary restoration	Pilchuck Culvert Replacement	Replace, retrofit, or remove up to three anthropogenic barriers in the Middle Pilchuck Creek sub-basin.	85	B	Pressing need	Degraded Habitat-Fish Passage		Instream	Activity Type - Fish Passage: Culvert Improvements / Upgrades (3 Each)	3 culverts improved or removed	Coho	Cutthroat, Chinook, Chum, Bull Trout, Steelhead	Conceptual	Final design and/or restoration of one culvert site	$100,000	Final design and/or restoration of the second culvert site	$200,000	Final design and/or restoration of the third culvert site	$250,000	12/31/2014	Wild Fish Conservancy	$550,000			Potential Funding Source: SRFB, Snohomish County, FFFPP
07-MPR-400	Restoration Projects	Mainstem-primary restoration	Raging River Side Channel Fish Passage Project (Phase II)	Remove / replace one fish passage (the Wilkenson driveway culvert) barrier and complete final designs for replacement of four additional full or partial fish passage barriers that exist upstream from the Wilkenson driveway culvert.	85	B	Pressing need	Degraded Habitat-Fish Passage		Instream	Activity Type - Fish Passage: Fish passage blockages removed or altered (5), Activity Type - Instream Habitat: Channel reconfiguration and connectivity (2000 Feet)	5 culverts replaced / removed 2000 feet of side channel reconnected	Chinook	Cutthroat, Chinook, Chum, Bull Trout, Steelhead	Conceptual	Submit proposal	$0	Culvert Removal	$100,000	Final designs and construction	$300,000	3/31/2016	Wild Fish Conservancy	$400,000	$400,000		Potential funding source: King Conservation Distrcit, Wild Fish Conservancy, FFFPP
07-MPR-031	Restoration projects	Mainstem-primary restoration	Lower Snohomish Mainstem (and Snoqualmie) assessment	Complete a reach-scale assessment of the Lower Snohomish and Lower Snoqualmie Rivers, using Snohomish County's reach assessment methodology. The project will identify process reach segments and propose projects that work with river processes to improve river edge, riparian habitat and instream structure within this reach.	85	B	Pressing need	Degraded Habitat - Channel Structure and Complexity, Degraded Habitat - Floodplain Connectivity and Function, Degraded Habitat - Riparian Areas and LWD Recruitment	Snohomish River Basin Salmon Conservation Plan, Snohomish Confluence Reach Restoration Assessment	Instream	Activity Type - comlete feasibility assessment	Completed assessment	Chinook	Chum, Bull trout, Steelhead, Cutthroat, Coho	Proposed	Assessment	$180,000	Design and permit	$120,000	Construction	$300,000		Snohomish County	$600,000			
07-MPR-338	Acquisition/Restoration (Combination)	Mainstem-primary restoration	Everett Marshland Tidal Wetland Restoration	Move to the feasibility/design stage to restore over 400 acres of diked land to tidally-influenced wetland that will connect to the Snohomish River through Lowell- Snohomish River Road.	75	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Estuarine and Nearshore Marine, Biological Processes	Snohomish River Basin Salmon Conservation Plan, Everett Marshland Sub-area Plan	Estuary (River Delta), Wetland, Rivers/Streams/Shoreline	Activity Type - Estuarine & Nearshore: Berm or Dike Removal or Modification (400 Acres)	400 acres tidal marsh restored	Chinook	Cutthroat , Chum, Coho, Pink, Bull Trout, Steelhead	Feasibility Pending, Conceptual							1/1/2020	City of Everett	$300,000			
07-MPR-328	Non-Capital Projects	Mainstem-primary restoration	Investigation of Low Dissolved Oxygen in the Snoqualmie Floodplain	Assess dissolved oxygen (DO) concentration in Snoqualmie floodplain tributaries by deploying data loggers in Cherry Valley and Ames Valley. Characterize the DO, sediment oxygen demand (SOD), and biological oxygen demand (BOD) in three Cherry Valley ditches both before and after they undergo extensive excavation for a funded restoration project.	75	B	Pressing need	Degraded Habitat-Water Quality		Instream	Assessment and monitoring	Data collected on water quality, hydraulic properties	Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Feasibility Completed	None	$0	None	$0	None	$0	12/31/2014	Wild Fish Conservancy	$63,710	$64,000		King Conservation District, WA Dept. of Ecology
07-MPR-376	Restoration Projects	Mainstem-primary restoration	Weiss Creek Barrier Removal	Remove a derelict box culvert that creates a partial or full barrier to fish migration, remove bank armoring, remove Himalayan blackberries, revegetate disturbed areas with native riparian vegetation, and monitor the effectiveness of the project.	75	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Fish Passage		Riparian, Instream, Rivers / Streams / Shoreline	Activity Type - Fish Passage: Culvert Improvements / Upgrades (1 Each), Activity Type - Riparian Habitat: Plant removal / control (0.1 Acres), Activity Type - Riparian Habitat: Planting (0.1 Acres)	1 culvert removed 0.1 acres invasives controlled 0.1 acres riparian planted	Coho	Cutthroat , Steelhead	Design Completed	Effectiveness monitoring, outreach, and final report	$0	NA	$0	NA	$0	12/31/2013	Wild Fish Conservancy	$31,800	$31,800		King Conservation District, King County , Wild Fish Conservancy
07-MPR-057	Restoration Projects	Mainstem-primary restoration	Conservation Reserve Enhancement Program - Mainstem-primary	The Conservation Reserve and Enhancement Program provides resources to agricultural landowners to plant and fence riparian buffers along streams and rivers. Anticipated projects will take place throughout the sub-basin strategy group.				Degraded Habitat - Riparian Areas	Snohomish River Basin Salmon Conservation Plan	Riparian			Chinook, coho, steelhead, chum, pink		Conceptual	Construction	$11,000	Construction	$11,000	Construction	$11,000		Snohomish Conservation District	$33,000			Conservation Reserve Enhancement Program funds

Project ID	Plan Category	Plan Catergory Level 2	Project Name	Project Description	Sequence score	Rank	Sequence Rank	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Project Performance (restore 30 acres of floodplain)	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	2013 Activity to be funded	2013 Estimated Budget	2014 Activity to be funded	2014 Estimated Budget	2015 Activity to be funded	2015 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Known Funding Secured	Local share or other funding	Source of funds (PSAR, SRFB, other)
07-MSR-019	Restoration Projects	Mainstem-secondary restoration	Trout Creek Road Erosion Control	This project would decommission 2.2 miles of Trout Creek Road (Forest Road 6320) and 3.6 miles of associated spurs in the Trout Creek subwatershed within the North Fork Skykomish River watershed. The goal is to reduce road-related sedimentation and associated impacts to fish habitats in Trout Creek, a stream with documented bull trout, steelhead, coho, and rainbow. The project would also meet a secondary goal to decommission roads within the Wild Sky Wilderness, newly designated under the Consolidated Natural Resources Act of 2008. Decommissioning these road segments would involve removing culverts, constructing cross-drain waterbars to improve drainage across the remaining road prism, removing hazardous fill material from stream crossings and unstable slopes, and blocking the roads to vehicular access. These roads would no longer be considered part of the FS road system. Measurable objectives include the miles of road treated, amount of fill removed, and number of cross-drainage structures constructed.	90	A	Most pressing need	Degraded Habitat-Stream Substrate		Upland	Activity Type - Upland Habitat: Road abandonment and obliteration (5.80 Miles)		Bull Trout, Steelhead	Coho	Conceptual							10/29/2010	US Forest Service, Sustainable Fisheries Foundation	$395,000			
07-MSR-035	Restoration Projects	Mainstem-secondary restoration	Barclay Creek Stringer Bridge Removal	This project would remove a failing log stringer bridge on Forest Service Road 6024-510. The bridge stringers consist of multiple large logs, up to 4.5ft in diameter, which are currently constraining the Barclay Creek channel. Removing this bridge is listed as a high priority action in the North and South Fork Skykomish Watershed Action Plan.	80	B	Pressing need	Degraded Habitat - Fish Passage Degraded Habitat - Floodplain Connectivity and Function	Snohomish River Basin Salmon Conservation Plan USFS North and South Fork Skykomish Watershed Action Plan	Rivers/Streams/Shoreline	Activity Type - Bridge installed (1)	1 bridge installed	Chinook	Coho, Bull trout, Steelhead	Feasibility Completed							9/30/2012	Mt. Baker-Snoqualmie National Forest	$15,704			
07-MSR-018	Restoration Projects	Mainstem-secondary restoration	Conservation Reserve Enhancement Program	The Conservation Reserve and Enhancement Program provides resources to agricultural landowners to plant and fence riparian buffers along streams and rivers. Anticipated projects will take place throughout the sub-basin strategy group.	75	B	Pressing need	Degraded Habitat - Riparian Areas	Snohomish River Basin Salmon Conservation Plan	Riparian			Chinook, coho, steelhead, chum, pink		Conceptual	Construction	$5,000	Construction	$5,000	Construction	$5,000		Snohomish Conservation District	$15,000			Conservation Reserve Enhancement Program funds
07-RPR-022	Restoration Projects	Rural Streams-primary restoration	West Fork and Lower Woods Creek Restoration Partnership	The Woods Creek Watershed Habitat Conditions Report (draft) identifies priority restoration actions for Woods Creek. Upon completion of the final report, these restoration recommendations can be used to prioritize target areas and projects types. The goal of this project is to form partnerships within the basin to implement priority restoration actions.	85	B	Pressing need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Degraded Habitat-Stream Substrate, Biological Processes		Riparian, Instream	Snohomish River Basin Other Sub-basins Restoration: Restored Riparian Habitat: Riparian planting (LC) (33 Acres)		Chinook, Coho, Steelhead	Pink, Bull Trout	Feasibility Pending	Design and construction	$150,000	Design and construction	$250,000	Design and construction	$200,000	12/31/2015	Snohomish County of and Snohomish Conservation District	$600,000			
07-RPR-017	Restoration Projects	Rural Streams-primary restoration	Conservation Reserve Enhancement Program	The Conservation Reserve and Enhancement Program provides resources to agricultural landowners to plant and fence riparian buffers along streams and rivers. Anticipated projects will take place throughout the sub-basin strategy group.	75	B	Pressing need	Degraded Habitat - Riparian Areas	Snohomish River Basin Salmon Conservation Plan	Riparian			Chinook, coho, steelhead, chum, pink		Conceptual	Construction	$5,000	Construction	$5,000	Construction	$5,000		Snohomish Conservation District	$15,000			Conservation Reserve Enhancement Program funds
07-RPR-033	Restoration Projects	Rural Streams-primary restoration	Upper Waterwheel Restoration (Phase II - Final Design & Construction)	Final design and construction for fish passage barrier removal and re-naturalization and reconnection of primary and off-channel salmon and juvenile rearing habitats on Waterwheel Creek, a tributary to Cherry Creek.	80	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Degraded Habitat-Stream Flow, Degraded Habitat-Stream Substrate, Degraded Habitat-Fish Passage, Biological Processes		Riparian, Instream	Activity Type - Fish Passage: Fish passage blockages removed or altered (1), Activity Type - Instream Habitat: Channel reconfiguration and connectivity (750 Feet)	1 fish barrier removed 750 feet channel restored and reconnected	Coho	Cutthroat, Chum, Steelhead	Conceptual	Submit proposals	$0	Complete final designs and any necessary assessments (e.g., cultural resources if needed)	$50,000	Culvert replacement / removal and channel construction	$200,000	12/31/2017	Wild Fish Conservancy	$250,000	$250,000		Potential funding source: King Conservation District, SRFB, King County
07-RPR-030	Restoration Projects	Rural Streams-primary restoration	Sorgenfrei Fish Passage Project	Remove a partial barrier to fish migration on Sorgenfrei Creek. The barrier is holding back significant sediment. The channel approching the culvert turns twice at 45 degrees and may need to be realigned during replacement. Adopt A Stream proposes to work with the homeowners on the private drive to replace the existing culvert with an appropriate crossing and restore the stream channel and surrounding riparian vegetation.	75	B	Pressing need	Degraded Habitat-Fish Passage		Instream, Rivers/Streams/Shoreline	Activity Type - Fish passage blockages removed or altered (1 Each)	1 culvert removed			Conceptual								Adopt A Stream Foundation				Landowner?
07-RPR-018	Restoration Projects	Rural Streams-primary restoration	Cherry Valley Dairy Stream Enhancement	Improve 1 acre of riparian habitat and remove 1 fish barrier.	75	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian	Activity Type - Fish Passage: Culvert installed (1 Each), Activity Type - Riparian Habitat: Planting (1 Acres)	1 culvert installed 1 acre riparian planted	Coho	Cutthroat , Chinook, Steelhead	Feasibility Pending, Design Completed	Construction	$120,000					12/31/2013	Stewardship Partners	$120,000			
07-RPR-031	Restoration Projects	Rural Streams-primary restoration	Upper Waterwheel Restoration (Phase I -Design)	Development, conceptual design, and permitting for fish passage barrier removal and re-naturalization and reconnection of primary and off-channel salmon and juvenile rearing habitats on Waterwheel Creek, a tributary to Cherry Creek.	75	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Degraded Habitat-Stream Flow, Degraded Habitat-Stream Substrate, Degraded Habitat-Fish Passage, Biological Processes		Riparian, Instream	Activity Type - Fish Passage: Fish passage blockages removed or altered (1), Activity Type - Instream Habitat: Channel reconfiguration and connectivity (750 Feet)	1 fish barrier removed 750 feet channel reconnected	Coho	Cutthroat, Chum, Steelhead	Feasibility Pending	Attend meetings with landowners, complete and submit construction permits	$0	None	$0	None	$0	12/31/2013	Wild Fish Conservancy	$31,580	$31,580		King Conservation District
07-RSR-051	Restoration Projects	Rural Streams-secondary restoration	Harris Creek Barrier Removal and Off-Channel Habitat Restoration	The proposed project will restore fish access to valuable off-channel rearing habitat in the Harris Creek watershed by removing a road prism that currently acts as a fish passage barrier. Approximately 0.6 miles (3,200 feet) and 7 acres (304,920-sq. ft.) of ponded wetland and stream channel habitat exists above the barrier and will be made accessible to fish upon completion of the project. Currently a road prism (approximately 360 feet in length) crosses the stream corridor and blocks fish passage. Long term fish passage will be prevented until the road prism fill is removed to match the grade of the surrounding area. Benefits of the project include restoring fish access to valuable off-channel fish habitat, promoting high quality rearing and spawning habitat for salmonids, and increasing juvenile survival rates.	95	A	Most pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Stream Flow		Instream, Wetland, Rivers/Streams/Shoreline	Snohomish River Basin Other Sub-basins Restoration: Restored Off-channel Habitat: Winter/Spring off-channel habitat restoration (LC) (7 Acres)		Coho	Cutthroat , Steelhead	Feasibility Completed							6/1/2013	Tulalip Tribes	$45,620			
07-RSR-050	Acquisition Projects	Rural Streams-secondary restoration	Patterson Creek State DNR Land Acquisition	Work with State DNR to protect 160 acres	85	B	Pressing need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes		Instream	Snohomish River Basin Other Sub-basins Restoration: Restored Riparian Habitat: Acquisition (LC) (160 Acres)		Steelhead	Cutthroat , Coho	Conceptual							12/31/2012	King County DNRP	$2,500,000			
07-RSR-048	Restoration Projects	Rural Streams-secondary restoration	Storybook Creek Stream Enhancement	Partner with landowner to relocate channelized trib restoring 950 feet of this tributary to Patterson Creek and restore 1.4 acres of riparian habitat	65	C	Need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian	Activity Type - Instream Habitat: Channel reconfiguration and connectivity (0.20 Feet), Activity Type - Riparian Habitat: Planting (1.40 Acres), Snohomish River Basin Other Sub-basins Restoration: Restored Riparian Habitat: Riparian planting (LC) (1.40 Acres)		Coho		Feasibility Pending							12/31/2012	King County DNRP	$25,000			
07-RSR-049	Acquisition Projects	Rural Streams-secondary restoration	Patterson Creek Protection on Stevlingson Property	Work with landowner to protect 10 acres property on the alluvial fan of Patterson. Would include significant floodplain/riparian restoration & structure removal.	65	C	Need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Stream Substrate		Instream	Snohomish River Basin Other Sub-basins Restoration: Restored Riparian Habitat: Acquisition (LC) (10 Acres)		Steelhead	Coho	Feasibility Pending							12/31/2012	King County DNRP	$425,000			
07-RSR-061	Restoration Projects	Rural Streams-secondary restoration	Patterson Creek Culvert Replacement(s)	Replace, retrofit, or remove up to three anthropogenic barriers in the Patterson Creek basin.	65	C	Need	Degraded Habitat-Fish Passage		Instream	Activity Type - Fish Passage: Culvert Improvements / Upgrades (3 Each)	3 culverts improved or removed	Coho	Cutthroat, Bull Trout, Steelhead	Conceptual	Final design and/or restoration of one culvert site	$155,750	Final design and/or restoration of the second barrier site (replacement of one culvert one culvert barrier and one non-culvert anthropogenic barrier)	$125,350	Final design and/or restoration of the third barrier site (involves relocating the channel)	$278,900	12/31/2014	Wild Fish Conservancy	$560,000			Potential funding source: SRFB, King County, FFFPP, King Conservation District
07-HSP-004	Restoration Projects	Headwaters Secondary Protection	Miller River Restoration	King County will conduct a feasibility analysis and work with local partners to explore options to reestablish river flow patterns, meanders, and floodplain channels that have been altered or obstructed by the transportation network that bisects the Miller River alluvial fan. The Analysis will examine actions such as the removal or setback of levee/revetments, road and bridge realignment and culvert upgrades with input from the local community and consideration of transportation needs. The Analysis will inform a preferred alternative for the implementation of one or more habitat restoration projects that will improve habitat-forming processes for Chinook salmon, steelhead trout, bull trout (all threatened under the Endangered Species Act, (ESA)) while reducing or eliminating the habitat impacts associated with ongoing road maintenance and repair.	75	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity		Instream	Activity Type - Instream Habitat: Channel reconfiguration and connectivity (5000 Feet), Snohomish River Basin Other Sub-basins Restoration: Restored Off-channel Habitat: Summer off-channel habitat restoration (LC) (2 Acres), Snohomish River Basin Other Sub-basins Restoration: Restored Riparian Habitat: Riparian planting (LC) (7 Acres)	5,000 feet channel reconnected 2 acres summer off-channel restored 7 acres riparian planted	Bull Trout	Cutthroat , Coho, Steelhead	Feasibility Pending							12/31/2013	US Forest Service, King County DNRP	$280,000			
07-HSR-008	Restoration Projects	Headwaters Secondary Restoration	South Fork Skykomish Headwaters Acquisitions	Protect up to 2,000 acres in headwaters of South Fork Skykomish Watershed from roadbuilding, logging, granite mining and potential recreational residence development.	80	B	Pressing need	Degraded Habitat-Stream Flow, Degraded Habitat-Stream substrate, Degraded Habitat-Water quality	Snohomish River Basin Salmon Conservation Plan	Upland	Actifity Type - Acquisition	2,000 acres	Chinook	Chinook, Coho, Bull Trout, Steelhead	Feasibility Pending	Contact major land owner and develop acquisition agreement; prepare grant applications	$ 50,000	Acquire initial parcels	$ 3,000,000	Acquisition of Conservation Easement	$ 6,000,000	42735	Forterra, US Forest Service	$ 9,050,000		LWCF	
07-HSR-020	Restoration Projects	Headwaters Secondary Restoration	Harlan Creek Road Obliteration	Obliteration of up to 10 miles of logging roads on steep, unstable slopes adjacent to Harlan Creek, a salmon-bearing tributary to the Beckler River. Road densities in these two sections acquired by the Forest Service are very high, 8 miles per square mile each, and road-related sediments are entering Harlan Creek, degrading spawning and rearing habitats. Project map shows proposed work; decision has not yet been made.	90	A	Most pressing need	Degraded Habitat-Stream Substrate		Upland	Activity Type - Upland Habitat: Road abandonment and obliteration (10 Miles)	10 miles road abandoned	Chinook, Coho, Bull Trout, Steelhead	Cutthroat , Chum, Pink	Feasibility Completed							11/1/2012	Mt. Baker-Snoqualmie National Forest	$385,000			
07-HSR-029	Restoration Projects	Headwaters Secondary Restoration	Alpine Baldy Road Decommissioning - U.S. Forest Service Roads 6066 & 6067	This project would decommission the following Forest Service road segments: the upper 1.4 miles of FS Rd 6066; the entire 4.6 miles of FS Rd 6067; an additional 1.0 mile of spur roads on FS Rd 6067; and the last 2.0 miles of FS Rd 6570 (aka the San Juan Hill road).	90	A	Most pressing need	Degraded Habitat-Stream Substrate		Upland	Activity Type - Upland Habitat: Road abandonment and obliteration (3.40 Miles)	3.4 miles road abandoned	Chinook, Coho, Bull Trout, Steelhead	Cutthroat , Chum, Sockeye, Pink	Feasibility Pending							10/28/2013	US Forest Service	$680,000			
07-HSR-019	Acquisition Projects	Headwaters Secondary Restoration	South Fork Skykomish Acquisitions	Acquisition of up to 700 acres of shore lands on salmon spawning reaches of South Fork Sky and key tributaries: Miller, Beckler, Foss, Tye Rivers.	85	B	Pressing need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Biological Processes		Rivers/Streams/Shoreline	Snohomish River Basin Mainstem: Restored Edge: Acquisition in the Mainstem Sub-basin Strategy Groups (LC) (35 Acres), Snohomish River Basin Other Sub-basins Restoration: Restored Riparian Habitat: Acquisition (LC) (35 Acres)	Acquire 300 acres	Chinook	Cutthroat , Coho, Bull Trout, Steelhead	Proposed	Contact major land owner and develop acquisition agreement; prepare grant applications	$50,000	Acquire initial parcels (~80 acres)	$2,000,000	Acquire initial parcels (~160 acres)	$4,000,000	12/31/2015	Forterra, King County DNRP	$6,050,000		King County CFT; WWRP; LWCF	
07-BW-006	Restoration Projects	Basinwide	Skykomish Forks Restoration Plan	Design to at least 30% for multiple instream and riparian restoration projects in North and South Fork Skykomish Rivers and selected tributaries (e.g., Miller River).	75	B	Pressing need	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian, Instream, Rivers/Streams/Shoreline		30% design for instream and riparian projects	Chinook	Coho, Bull Trout, Steelhead	Feasibility Pending							10/1/2011	US Forest Service	$350,000			
07-BW-008	Non-Capital Projects	Basinwide	Fish Passage Barrier Prioritization (Phase II)	Expand the number of basins represented on the WRIA-07 BPMS web based mapping system (a web system designed to make prioritizing anthropogenic barriers in WRIA 7 easier and faster for federal, state, and tribal agencies and for local biologist, municipalities, citizen groups and private land owners). Add a ranking ability to the existing BPMS interactive webpage.	75	B	Pressing need	Degraded Habitat-Fish Passage		Riparian, Rivers / Streams / Shoreline	Web-based mapping of fish barriers	Mapping system enhanced	Coho	Cutthroat, Chinook, Chum, Bull Trout, Steelhead	Conceptual	Data collection / data assemblage / GIS construction	$100,000	Data collection / data assemblage / edits and GIS construction	$100,000	GIS construction, edits, and final report	$100,000	8/31/2014	Wild Fish Conservancy	$300,000			Potential funding source: SRFB, DOE
07-HRA-008	Restoration Projects	Headwaters Restoration Above Falls and Dam	South Fork Snoqualmie Road Decommissioning	Reduce erosion potential and road density in South Fork Snoqualmie by decommissioning 24 miles of Forest Service roads and treating another 24 miles before placing them into storage for potential future use. Nineteen of these miles would be converted to trail.	90	A	Most pressing need	Degraded Habitat-Stream Substrate		Upland	Activity Type - Upland Habitat: Road abandonment and obliteration (48 Miles)	48 miles road abandoned	Rainbow, Cutthroat	Chinook, Coho, Bull Trout, Steelhead	Feasibility Pending, Design Completed, Construction Completed							10/15/2014	Mountains to Sound Greenway Trust, US Forest Service	$1,025,000			
07-HRA-009	Restoration Projects	Headwaters Restoration Above Falls and Dam	Bessemer Mtn Road Decommissioning	Decommission 9.5 miles, and convert 5.6 miles of roads to trails on Bessemer Mtn (North Fork Snoqualmie). The work would mostly be pulling culverts with some embankment pullback, ripping some of the surface and partially recontouring some of it.	90	A	Most pressing need	Degraded Habitat-Stream Substrate		Upland		9.5 miles road decommissioned 5.6 miles road converted to trails	Rainbow, Cutthroat	Chinook, Coho, Bull Trout, Steelhead	Design Completed, Permitting Completed							9/30/2011	WA Dept. of Natural Resources , US Forest Service	$600,000			
07-HRA-030	Restoration Projects	Headwaters Restoration Above Falls and Dam	Upper Snoqualmie River Knotweed Control and Riparian Restoration	Treat knotweed infested sites and replant appropriate areas along up to 16 river miles on major tributaries in the Upper Snoqualmie Basin. The project will involve 6 river miles of initial treatment and up to 16 river miles of maintenance retreatment along with 6,000 linear feet per year of riparian restoration.	85	B	Pressing need	Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian	Activity Type - Riparian Habitat: Plant removal / control (1 Acres)	1 acre invasives controlled 1 acre riparian planted	Rainbow, Cutthroat		Feasibility Pending							12/31/2013	King County DNR & Parks	$460,000			
07-USR-044	Restoration Projects	Urban Streams restoration	Allen Creek Stewardship Project	Landowner outreach to implement water quality and riparian best management practices and conduct instream restoration.	70	B	Pressing need	Degraded Habitat-Fish Passage		Instream			Coho	Cutthroat, Chum	Conceptual							10/31/2012	Adopt A Stream Foundation	$186,000			WA Dept. of Ecology (according to HWS), Landowner?
07-USR-059	Restoration Projects	Urban Streams restoration	Olaf Strad Relocation and Restoration	Move 1000 feet of Olaf Strad Creek out of a roadside ditch onto private property, re-establish riparian vegetation, and install instream habitat features.	65	C	Need	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality		Upland, Riparian, Instream, Wetland, Rivers/Streams/Shoreline	Activity Type - Instream Habitat: Channel reconfiguration and connectivity (1,000 Feet), Activity Type - Riparian Habitat: Planting (x Acres)	1,000 feet channel reconfigured x acres riparian planted			Conceptual								Adopt A Stream Foundation				(note: application for this project listed as dead in PRISM)
07-USR-039	Restoration Projects	Urban Streams restoration	Coho Creek Restoration	The Coho Creek Restoration Project will restore and enhance 6,000 feet of stream channel, 8 acres of riparian forest and improve connectivity to adjacent forest communities. The project will also restore natural hydrologic connection and functions to sub-basins forest, wetland and streams. Restoration involves excavating 6,000 feet of stream channel replacing a ditch that Coho Creek currently occupies, constructing riffles or spawning areas, installing large woody debris, and replanting streambanks and adjacent forest areas.	65	C	Need	Degraded Habitat-Channel Structure and Complexity		Instream			Coho	Cutthroat , Chum	Feasibility Completed, Design Completed, Permitting Completed							12/31/2011	Tulalip Tribes	$1,175,000			
	Habitat	Fish passage	Passage of adult fish aroound Sunset Falls velocity barrier	Trap and haul adult fish around Sunset Falls to utilize spawing and rearing habitat throughout the South Fork Skykomish system	#REF!								Chinook, coho steelhead		underway	Trapping and hauling	[NEED FROM WDFW]	Trapping and hauling	[NEED FROM WDFW]	Trapping and hauling	[NEED FROM WDFW]	Ongoing	WDFW				WDFW
07-NC-002	Habitat - protection and restoration	Non-Capital: BMP Implementation	Implement the Targeted Stewardship Model - King County and PRKC	Implement EPA funded Targeted Stewardship grant in Patterson Creek and Raging River subbasin then export to other subbasins	#REF!					Restoration, outreach, education, technical assistance.			Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Restoration, outreach, education, technical assistance	$500,000	Restoration, outreach, education, technical assistance	$200,000	Restoration, outreach, education, technical assistance	$200,000	Ongoing	KC, Partnership for Rural King County	$900,000			
07-NC-003	Habitat - protection and restoration	Non-Capital: BMP Implementation	Land-use specific stewardship	Provide specific stewardship for key land uses, such as urban areas (LID), forestry and agriculture.	#REF!			Across all limiting factors.		Restoration, outreach, education, technical assistance.			Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Restoration, outreach, education, technical assistance	$210,000	Restoration, outreach, education, technical assistance	$210,000	Restoration, outreach, education, technical assistance	$210,000	Ongoing	SC, KC, Tulalip Tribes, local jurisdictions, SCD, KCD, CLC, WSU	$630,000			
07-NC-004	Habitat - protection and restoration	Non-Capital: BMP Implementation	NPDES implementation	Including STORM	#REF!										Implementation								all local jurisdictions				
07-NC-005	Habitat - protection and restoration	Non-Capital: BMP Implementation	Provide basin steward staff.	Stewards provide technical assistance, project development, behavior change across the basin. Staffing would be for SC, KC.	#REF!			Across all limiting factors.		Restoration, outreach, education, technical assistance.			Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Restoration, outreach, education, technical assistance	$210,000	Restoration, outreach, education, technical assistance	$210,000	Restoration, outreach, education, technical assistance	$210,000	Ongoing	SC, KC	$630,000			

Project ID	Plan Category	Plan Catergory Level 2	Project Name	Project Description	Sequence score	Rank	Sequence Rank	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Project Performance (restore 30 acres of floodplain)	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	2013 Activity to be funded	2013 Estimated Budget	2014 Activity to be funded	2014 Estimated Budget	2015 Activity to be funded	2015 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Known Funding Secured	Local share or other funding	Source of funds (PSAR, SRFB, other)
07-NC-006	Habitat - protection and restoration	Non-Capital: BMP Implementation	Snoqualmie Watershed Water Quality Synthesis Report Implementation	Implement actions from the Water Quality Report including monitoring, restoration and BMP implementation.	#REF!										Implementation	Restoration, outreach, education, technical assistance	$50,000	Restoration, outreach, education, technical assistance	$50,000	Restoration, outreach, education, technical assistance	$50,000	Ongoing	Snoqualmie Watershed Forum and King County	$150,000			
07-NC-007	Habitat - protection and restoration	Non-Capital: BMP Implementation	WSU Extension Beach Watchers Program	Increase capacity for research, restoration and education relating especially to the nearshore, estuarine and marine environments. Provide workshops and engage the Beach Watchers in 1,000 hours of community service.	#REF!			Nearshore and estuarine restoration, monitoring.		Outreach and education.			Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Implement.	$210,000	Implementation	$70,000	Implementation	$70,000	Ongoing	WSU Extension	$350,000			
07-NC-008	Habitat - protection and restoration	Non-Capital: Outreach for Awareness	Outreach specialist - Tulalip Tribes		#REF!										Implementation								Tulalip Tribes				
07-NC-009	Habitat Protection	Non-Capital: Incentives	PBRS and landowner current use tax incentives	Assist King County in enrolling landowners in PBRS and other landowner current use tax programs	#REF!										Implementation	Implementation	$100,000	Implementation	$100,000	Implementation	$100,000	Ongoing	King County	$300,000			
07-NC-010	Habitat - protection and restoration	Non-Capital: Outreach for Awareness	Public Beach Naturalist Program and Shore Stewards	WSU Beach waterchers will engage with general visitors and organized school groups at public beaches to increase Puget Sound literacy and reduce visitor impacts.	#REF!										Implementation	Implementation	$7,000	Implementation	$7,000	Implementation	$7,000	Ongoing	WSU extension				
07-NC-011	Habitat - protection and restoration	Non-Capital: Outreach for Awareness	Puget Sound Starts Here Campaign	Public awareness and BMP implementation campaign	#REF!								Not salmon-specific		Implementation												
07-NC-012	Habitat - protection and restoration	Non-Capital: Outreach for Awareness	School outreach: King County; Snohomish County; Nature Vision Blue Teams, SSTF REYs education program	Raise Awareness among school-aged children	#REF!			Across all limiting factors.		REYs education programork with 4 schools and approximately 450 community members			Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Implementation	$90,000	Implementation	$90,000	Implementation	$90,000	Ongoing	Stilly-Snohomish Fisheries Enhancement Task Force	$270,000			
07-NC-013	Habitat Protection	Non-Capital: Incentives	Snoqualmie Conservation Strategy	Identify a common conservation vision, map key resources, identify viable funding sources, and evaluate ecosystem services in the Snoqualmie Basin	#REF!										Implementation								Stewardship Partners				
07-NC-014	Habitat Protection	Non-Capital: Planning	Habitat Protection Strategy	Develop a protection strategy to address the challenges of development and climate change by conducting a watershed characterization, reach-scale process analysis, working with a stakeholder group to develop a protection vision, and implementing early action elements.	#REF!			nearshore connectivity, forest cover, hydrology, sediment.		Strategic, actionable habitat protection plan			Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation		$220,000	Implement.	$220,000	Implement.	$220,000	Ongoing.	SC, KC, Tulalip Tribes				EPA, Snohomish County, King County, Tulalip Tribes
07-NC-015	Habitat Protection	Non-Capital: Planning	Skykomish Valley Conservation Projects	Identification of priority large forest land acquisitions, fund acquisitions of forested river front parcel, and identify funding for GIS work to assess smaller priority parcels along the Skykomish River Valley.	#REF!																		Cascade Land Conservancy				
07-NC-016	Habitat - protection and restoration	Non-Capital: Policy	Advocacy / watchdog?	Environmental Priorities Coalition, Clean Water Act / Pollution Enforcement and Education	#REF!																		People for Puget Sound, Wild Fish Conservancy, Puget Soundkeepers Alliance				
07-NC-017	Habitat - protection and restoration	Non-Capital: Policy	Policy work conducted by basin partners?		#REF!																		KC, SC, TT, SCL				
07-NC-018	Habitat Protection	Non-Capital: Policy	Shoreline Master Program Updates and Restoration Plans	Assist cities in updating SMP regulations and developing SMP restoration plans	#REF!										Implementation	Planning	$50,000	Planning	$50,000			2011	Cities in WRIA 7	$100,000			Cities, Snoqualmie Watershed Forum and DOE grants
07-NC-019	Habitat Protection	Non-Capital: Policy	TDR and PDR Development		#REF!																		Cascade Land Conservancy, King County, Snohomish County				
07-NC-020	Habitat - protection and restoration	Non-Capital: Social Capital	Cascade Agenda	The addition of a Cascade Agenda Leadership City and the Cascade Agenda Community Stewards Program	#REF!								Not salmon-specific										Cascade Land Conservancy				
07-NC-021	Habitat - protection and restoration	Non-Capital: Social Capital	General Program Maintenance	Provide staffing capacity for the Snohomish Basin salmon recovery effort	#REF!								Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Staffing	$300,000	Staffing	$300,000	Staffing	$300,000		Econet Participants...	$900,000			
07-NC-022	Habitat - protection and restoration	Non-Capital: Social Capital	General Program Maintenance	Build skills and knowledge of basin staff and project sponsors: basin workshops, facilitated discussions, tours and a "grant" fund for sponsors to use for specific training.	#REF!								Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Technical assistance	Not quantified	Technical assistance	Not quantified	Technical assistance	Not quantified						
07-NC-023	Habitat - protection and restoration	Non-Capital: Social Capital	Information Sharing	Supporting econet and project working group	#REF!								Not salmon-specific										EcoNet, STORM, PWG, TC, PDC, Forum				
07-NC-024	Habitat - protection and restoration	Non-Capital: Social Capital	Snohomish County Beach Watchers	Build volunteer capacity on marine, estuarine, and aquatic education, research and restoration in communities through out Snohomish County and Camano Island.	#REF!										Implementation	Implementation	$90,000	Implementation	$90,000	Implementation	$90,000	Ongoing	WSU extension	$270,000			
07-NC-025		Non-capital: Planning	Habitat Protection: Pilchuck Pilot	Implement a pilot project on the Pilchuck River to test the Snohomish Basin hydrologic protection technical methodology, using less public involvement.	#REF!						Pilot protection study	Pilot study final report	Chinook		Implementation	Implementation	$65,000						Tulalip Tribes SC, KC	$65,000			U.S. EPA tribal grants
	Hatchery	Monitoring	Direct assessment of gene flow in chinook	Relative productivity and reproductive success of hatchery- and natural-origin Snohomish Chinook salmon using genetic-based parentage analysis: Collect and analyze tissues for DNA analysis from outmigrating smolts and natural Chinook spawners and hatchery broodstock, assign parentage & estimate relative productivity	100								Chinook		High Priority Not Funded	Genetic tissue sampling and data analysis	$75,000	Genetic tissue sampling and data analysis	$75,000	Genetic tissue sampling and data analysis	$75,000	2015	Tulalip	$225,000			
	Hatchery	Monitoring	Analysis of stock assessment samples	Annually operate Tulalip Stock Assessment Laboratory (TSAL) for stock assessment: otoliths, coded-wire tags, scales, GSI	?								Chinook, coho		underway	Sample analysis	$75,000	Sample analysis	$75,000	Sample analysis	$75,000	ongoing	Tulalip	$225,000			
	H-integration	Monitoring	Annual Snoqualmie and Skykomish smolt trap operations	Annually operate smolt traps on Skykomish and Snoqualmie Rivers	?								Chinook, coho		underway	Smolt enumeration and biological sampling	$400,000	Smolt enumeration and biological sampling	$400,000	Smolt enumeration and biological sampling	$400,000	ongoing	Tulalip	$1,200,000			
	Hatchery	Monitoring	Straying reduction study	To better understand the factors that correlate with straying of Chinook.	?								Chinook, coho		Not Funded	N/A	$0	Differential tagging, imprinting and sampling	$60,000	Differential tagging, imprinting and sampling	$60,000	2016 for funding, 2021 for data recovery	Tulalip	$300,000			
	Hatchery	Marking	Mass marking improvements	Rewiring for adipose fin mass marking trailer and purchase and replacement of chillers for otolith thermal marking of all (100%) Tulalip hatchery production (all species)									Chinook, coho, chum		Not Funded	Replace 12 old, small chillers (one marking system) with two commercial-grade chiller/marking systems. Replace & upgrade wiring at hatchery to enable mass adipose fin marking without electrical fires	$169,254	Differentially thermally mark 100% oall (100%) Tulalip hatchery production (all species)	$0	Differentially thermally mark 100% oall (100%) Tulalip hatchery production (all species): No funding requested	$0	2011 for funding, thereafter no funding but needed for annual thermal 100% marking, sample recovery, analysis, contribution rate analyses (hatcheries, fisheries, or natural escapements), gene flow, hat/wild ecol/genet interactions	Tulalip	$169,254			
	Hatchery	Monitoring	Analysis of stock assessment samples	Construct and equip room for CWT extraction and reading at TSAL									Chinook, coho		Not Funded	N/A	$0	Construct and equip room for CWT extraction and reading at TSAL	$60,000	Annually analyze CWTs extracted from Chinook/Coho in terminal fisheries/hatcheries/ natural escapement: No funding requested	$0	2012 for funiding, thereafter no funding but equipment will be used annually to analyze CWTs extracted from Chinook/Coho in terminal fisheries/hatcheries/natural escapement	Tulalip	$60,000			
	Hatchery	Monitoring	Analysis of stock assessment samples	Purchase CWT Reading Equipment: V Detector with transit case, Magniviewer, Illuminator, Tag Reading jig with magnetic pencils									Chinook, coho		Not Funded	Purchase tag-reading equipment	$6,100	Annually analyze CWTs extracted from Chinook/Coho in terminal fisheries/hatcheries/natural escapement: No funding requested	$0	Annually analyze CWTs extracted from Chinook/Coho in terminal fisheries/hatcheries/ natural escapement: No funding requested	$0	2011 for funding, thereafter no funding requested to annually analyze CWTs extracted from Chinook/Coho in terminal fisheries/hatcheries/natural escapement	Tulalip	$6,100			
	Harvest, Hatchery	Monitoring	Hatchery escapement monitoring	Sample Wallace and Tulalip Hatcheries for scales, otoliths, and coded-wire tags to assess hatchery contribution rates	100								Chinook	coho, chum	Underway	State and Tribal hatchery sampling	$10,000	State and Tribal hatchery sampling	$10,000	State and Tribal hatchery sampling	$10,000	ongoing	Tulalip and WDFW	$30,000			
	H-integration	Monitoring	Natural escapement monitoring	Sample Snohomish natural escapement for scales, otoliths, and coded-wire tags to assess hatchery contribution rates	100								Chinook	coho, chum	Underway	State and Tribal escapement sampling	$60,000	State and Tribal escapement sampling	$60,000	State and Tribal escapement sampling	$60,000	ongoing	Tulalip and WDFW, Sno. PUD	$180,000			
	Hatchery	Broodstock Management	Skykomish chinook broodstock integration		100								Chinook		Underway	Collection of NOR broodstock and incorporation into WRH hatchery broodstock	$12,000	Collection of NOR broodstock and incorporation into WRH hatchery broodstock	$12,000	State and Tribal hatchery genetic NOR broodstock collection and incorporation into WRH hatchery broodstock	$12,000	ongoing	Tulalip and WDFW	$36,000			
	Hatchery	Marking and monitoring	Thermal marking of Tulalip hatchery production	Therrmally mark otoliths of Tulalip chinook and coho	100								Chinook	coho	Underway	Thermal marking during egg incubation	$7,500	Thermal marking during egg incubation	$7,500	Thermal marking during egg incubation	$7,500	ongoing	Tulalip	$22,500			
	Hatchery	Fish Passage	Tokul Creek Fish Passage - Phase 2	[NEED PROJECT INFORMATION FROM WDFW]	100								Chinook		Underway							ongoing	WDFW				
	Harvest	Regulation/ Enforcement	Develop, communicate, and enforce fishing regulations	Convert the results of the annual fishery planning process into regulations and platforms for communicating those (e.g. recreational fishing pamphlet) and disseminate the same. Enforce regulations through on-the-water presence of uniformed officers, sanctions for violations, etc..	100								Chinook, coho, chum, pink		ongoing	Convert the results of the annual fishery planning process into regulations and platforms for communicating those (e.g. recreational fishing pamphlet) and disseminate the same. Enforce regulations through on-the-water presence of uniformed officers, sanctions for violations, etc..	Hard to tally up all components of this.	Convert the results of the annual fishery planning process into regulations and platforms for communicating those (e.g. recreational fishing pamphlet) and disseminate the same. Enforce regulations through on-the-water presence of uniformed officers, sanctions for violations, etc..	Hard to tally up all components of this.	Convert the results of the annual fishery planning process into regulations and platforms for communicating those (e.g. recreational fishing pamphlet) and disseminate the same. Enforce regulations through on-the-water presence of uniformed officers, sanctions for violations, etc..	Hard to tally up all components of this.	ongoing	WDFW, Tulalip				

Project ID	Plan Category	Plan Catergory Level 2	Project Name	Project Description	Sequence score	Rank	Sequence Rank	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Project Performance (restore 30 acres of floodplain)	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	2013 Activity to be funded	2013 Estimated Budget	2014 Activity to be funded	2014 Estimated Budget	2015 Activity to be funded	2015 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Known Funding Secured	Local share or other funding	Source of funds (PSAR, SRFB, other)
	Harvest	Assessment	Estimate exploitation rates, reconstruct run sizes	Analyze information from coast-wide fishery sampling to compute exploitation rates after the fact.	100								Chinook, coho		ongoing	Assemble CWT data into coast-wide database. Use these, plus information on the amount of fish harvested and escapement to estimate exploitation rates. Where there are mark-selective fisheries also need to use methods developed for double-index CWT analysis.	Very difficult to compute enire amount for west coast planning or to separate portion attributable to Snohomish chinook	Assemble CWT data into coast-wide database. Use these, plus information on the amount of fish harvested and escapement to estimate exploitation rates. Where there are mark-selective fisheries also need to use methods developed for double-index CWT analysis.	Very difficult to compute enire amount for west coast planning or to separate portion attributable to Snohomish chinook	Assemble CWT data into coast-wide database. Use these, plus information on the amount of fish harvested and escapement to estimate exploitation rates. Where there are mark-selective fisheries also need to use methods developed for double-index CWT analysis.	Very difficult to compute enire amount for west coast planning or to separate portion attributable to Snohomish chinook	ongoing	WDFW, Tulalip				
	Harvest	Annual planning	Preseason fishery planning	Develop annual abundance predictions. Use these, plus models of mixed-stock fishery effect to develop fishery regulation package consistent with conservation objectives for multiple stocks. Includes Pacific salmon Commission, Pacific Fishery managemenet Council, North of falcon, and local comanager meetings.	100								Chinook, coho, steelhead, chum, pink		underway	Annual planning	Very difficult to compute enire amount for west coast planning or to separate portion attributable to Snohomish chinook	Annual planning	Very difficult to compute enire amount for west coast planning or to separate portion attributable to Snohomish chinook	Annual planning	Very difficult to compute enire amount for west coast planning or to separate portion attributable to Snohomish chinook	ongoing	WDFW, Tulalip				
	Harvest, Hatchery	Marking	Adipose fin removal	Remove adipose fins from chinook and coho at Tulalip and Wallace River hatcheries before release (note, currently, cost only includes Tulalip)	100								Chinook, coho		underway	Adipose fin removal	$60,000	Adipose fin removal	$60,000	Adipose fin removal	$60,000	ongoing	Tulalip	$180,000			
	Habitat, Hatchery	Monitoring	Assessment of ecological interactions between hatchery and wild fish	Sample estuary habitats to monitor presence, size and growth rates of hatchery and wild fish to assess interactions	100								Chinook, coho, steelhead		underway	Sampling and data analysis	$150,000	Sampling and data analysis	$150,000	Sampling and data analysis	$150,000	ongoing	Tulalip	$450,000			
	Harvest, Hatchery	Marking	Coded-wire tagging	Acquire and apply 200,000 CWTs to chinook and 50,000 CWTs to coho at Tulalip Hatchery and 450,000 CWTs to chinook and 50,000 to coho at Wallace River. (Note. Listed cost only inlcudes Tulalip)	100								Chinook, coho		underway	Tagging	$40,000	Tagging	$40,000	Tagging	$40,000	ongoing	Tulalip	$120,000			
	Harvest, Hatchery	Monitoring	Fishery monitoring	Sample tribal harvest for scales, oroliths, and coded-wire tags to assess hatchery contribution, age distribution, exploitation rates, size of fish caught, etc.	100								Chinook	coho, chum	Underway	Tribal fishery sampling	$60,000	Tribal fishery sampling	$60,000	Tribal fishery sampling	$60,000	ongoing	Tulalip	$180,000			
	Harvest, Hatchery	Monitoring	Recreational fishery monitoring	Sample recreational harvest for coded-wire tags to assess hatchery contribution and exploitation rate s	100								Chinook, coho		Underway	base recreational fishery sampling	[MAY BE ABLE TO GET THIS FROM WDFW]	base recreational fishery sampling	[MAY BE ABLE TO GET THIS FROM WDFW]	base recreational fishery sampling	[MAY BE ABLE TO GET THIS FROM WDFW]		WDFW				
	Harvest, Hatchery	Monitoring	Selective fishery monitoring	Sample selective fisheries in areas 8-2 and Skykomish river to estimate harvest and encounters	100								Chinook		Underway	Selective fishery sampling	[WDFW SHOULD BE ABLE TO PROVIDE]	Selective fishery sampling	[WDFW SHOULD BE ABLE TO PROVIDE]	Selective fishery sampling	[WDFW SHOULD BE ABLE TO PROVIDE]		WDFW				
07-NC-025	H-integration	Basin Planning	Develop Steelhead Recovery Plan with NOAA.	Work with NOAA to develop the local input, local site and project selection and prioritization for the Steelhead Recovery Plan.	100			Across all limiting factors.		Recovery planning.			Steelhead	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Under development	Recovery plan development.	$50,000	N/a	$0	N/a	$0	2010	NOAA with Tulalip Tribes, WDFW, SC, KC	$50,000			
07-MON-01	H-integration	Validation Monitoring	Baseline monitoring of Juvenile Fish Use of Nearshore and Coastal Streams	Continue coordinated monitoring of juvenile fish use of nearshore and coastal streams.	100			Across all limiting factors.		Monitoring - develop monitoring plan.			Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Implementation	$60,000	Implementation	$60,000	Implementation	$60,000	41274	Tulalip Tribes	$180,000			
07-MON-02	H-integration	Status and Trend Monitoring	Monitoring Fish (Smolt Traps)	Continue coordinated monitoring of fish in the basin, particularly monitoring juvenile fish using the smolt traps on the Skykomish and Snoqualmie Rivers.	100			Across all limiting factors.		Monitoring - develop monitoring plan.			Chinook	Cutthroat, Chum, Coho, Pink, Bull Trout, Steelhead	Implementation	Implementation	$250,000	Implementation	$250,000	Implementation	$250,000	ongoing	Tulalip Tribes	$750,000			
07-MON-03	H-integration	Validation Monitoring	Whidbey Basin Juvenile Salmon Origins	Genetic identification of distribution of stocks using Whidgey Basin reaches.	100																						
07-MON-04	H-integration	Validation Monitoring	Whidbey Basin Nearshore Marine Juvenile Salmonid Distribution	Assessment of distribution of outmigrating fish	100																						
	H-integration	Monitoring	Estimate magnitude and spatial distribution of natural spawning escapement	Assess spawner escapement throughout the system using a combination of foot, boat, and aerial surveys and application of standard methods.	100								Chinook, coho steelhead, chum, pink		underway	Natural escapement surveys and data analysis	[NEED FROM WDFW]	Natural escapement surveys and data analysis	[NEED FROM WDFW]	Natural escapement surveys and data analysis	[NEED FROM WDFW]	ongoing	WDFW				
	H-integration	Monitoring		Assess abundance and timing of juenile outmigrants in the lower Skykomish and Snoqualmie Rivers	100								Chinook, coho, steelhead		underway	Sampling and data analysis	$150,000	Sampling and data analysis	$150,000	Sampling and data analysis	$150,000		Tulalip				
	H-integration	Monitoring	Tulalip Stock Assessment Laboratory	Read otoliths and scales to determine age and origin of fish sampled in fisheries, and escapement	100								Chinook	coho. Chum	Underway, Seeking expansion to CWT reading in 2011	Read scales and otoliths	$25,000	Read scales and otoliths	$75,000	Read scales and otoliths	$75,000	ongoing	Tulalip				

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
Cedar																						
Capital Projects																						
Cedar River - Restore Floodplain Connectivity to Increase In-Stream Juvenile Rearing Productivity																						
Acquisition and Restoration	Cedar Reach 3	Protect and improve riparian habitat in future redevelopment	Tier I	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Land Protected, Acquired, or Leased: Streambank or Riparian Protected (19 acres, 4500 linear feet)	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending	Acquisition	$ -	restoration			$ -	2014	SPU, CLC, Renton			SRFB/ PSAR	C206
Acquisition	Acquisition and Habitat Protection Upstream of Ron Regis park: Reach 4	Protect Habitat in Reach 4: Protect existing riparian habitat, instream habitat conditions and extensive LWD in reach. Most of reach already in public ownership or protected by regulations (e.g. steep slopes). Targeted parcel is adjacent to landslide reach immediately upstream of Ron Regis park. (C213)	Tier 1	Channel Structure and Complexity, Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Land Protected, Acquired, or Leased: Streambank or Riparian Protected (0.10 Miles)	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending	NA	$ -	acquisition	$ 200,000	NA	$ -	2013	King County	$ 200,000	$ 50,000	KCD , King County SWM	C213
Restoration	Study Options to Protect Habitat in Reach 4 and Reduce Flooding and Erosion in Ron Regis park	Study Options to Protect Habitat in Reach 4 and Reduce Flooding and Erosion in Ron Regis Park: It is unclear how much further river is going to erode bank and migrate into Ron Regis park in landslide area. Eventually there will be a conflict with park uses. Explore using LWD and levee setback to prevent excessive erosion and flood damage to public lands associated with Ron Regis Park while protecting natural habitat forming processes in reach. Study should include lower Madsen Creek. (C214)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Instream: Large Woody Debris (0 Feet)	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending	NA	$ -	Feasibility study to evaluate options	$ 40,000	NA	$ -	2013	Renton / King County	$ 40,000	$ -		C214
Acquisition for Restoration	River Bend Floodplain Acquisition (formerly River Bend Mobile Home Buyout)	Purchase property underlying 19 mobile homes nearest river, recontour existing revetment to reduce erosion, flood damage and improve flood conveyance and habitat. Alternatively, purchase all property and remove all mobile homes and the revetment and the downstream levee to create a continously unarmored left bank from RM 6.5 (outlet of Cavanaugh Pond) to RM 9.5 (Cedar Mtn. Bridge).	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian																
Acquisition	Jones Reach Acquisition and Habitat Protection - C228b	Jones Reach: 20.8 acres, 13 parcels (of total 29 acres, 16 parcels) targeted for protection. Left bank of river already protected. Acquiring parcels on right bank of the river would allow both banks of the river to be protected. (C228)	Tier 1	Channel Structure and Complexity, Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (20.8 Acres)	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending	Acquisition	$ 1,000,000	acquisition	$ 1,400,000	acquisition	$ 1,400,000	2013	King County (City of Seattle partnership)	$ 3,800,000	$ 1,000,000	KCD , King County SWM	C228B
Acquisition	Bucks Curve Buyout	Bucks Curve Buyout: Continue buying out structures to build on previous restoration efforts in vicinity of RM 6.2 to RM 6.4. Once sufficient land acquired, remove or setback existing levee, and revegetate floodplain. In best alternative, a portion of SE Jones Road could be relocated northward. (C215A)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (37 Acres)	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending	Acquisition	$ 800,000	acquisition	$ 800,000	acquisition	$ 800,000	2013	King County / City of Seattle	$ 2,250,000	$ 750,000	KCD , King County SWM	C215A
Restoration	Bucks Curve Levee Setback/Removal	Bucks Curve Levee Setback / Removal: Once sufficient land acquired, remove or setback existing levee, and revegetate floodplain. In best alternative, a portion of SE Jones Road could be relocated northward. (C215B)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Instream: Channel Reconfiguration (Includes Channel Roughening), Activity Type - Instream: Large Woody Debris, Activity Type - Riparian: Revegetation Planting	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending	NA	$ -	NA	$ -	NA	$ -	2013	King County / Corps of Engineers	$ 40,000	$ 40,000	KC Surface Water Mgmt CIP	C215B
Restoration	Cedar River Rainbow Bend Restoration (C236-B)	(Name change from Cedar Grove Road - Rainbow Bend Levee Removal). Conduct further levee modification work to maximize channel-floodplain interactions. (C235)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Instream: Channel Reconfiguration (Includes Channel Roughening), Activity Type - Instream: Large Woody Debris, Activity Type - Riparian: Revegetation Planting	Chinook	Coho, Sockeye, Steelhead	Design	NA	$ -	NA	$ -	Design	$ 50,000	2010	King County / Seattle Public Utilities	$ 50,000	$ 50,000	King County SWM, Corps	C235B
Acquisition	Lower Lions Stream Reach Acquisition	30 acres (12 parcels) includes a large area of riparian forested floodplain between the Cedar River and SE 188th Street. Enhances side channel that was constructed in the area, allows expansion, and completion of side channel. (C239)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (39 Acres)	Chinook	Coho, Sockeye, Steelhead	underway	Acquisition	$540,000	Acquisition	$540,000	Acquisition	$540,000	2010	King County	$1,620,000		Conservation Futures, King County SWM	C239
Acquisition	218th Place Side Channel Protection and Enhancement	218th Place Side Channel: Protect 5 acres, 1 parcel, rural residential, riverfront. Once acquired there are opportunities for habitat enhancement in floodplain and off-channel areas. (Related to C242 to enhance 218th side channel once protected. C242 is not on start list.) (C244)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (5 Acres)	Chinook	Coho, Sockeye, Steelhead		NA	$ -	NA	$ -	acquisition	$ 500,000	2012	King County	$500,000	$ -	0	C244
Acquisition	Mouth of Taylor Creek Reach Acquisition	Mouth of Taylor Creek Reach: Acquire approximately 40 acres of forested riparian floodplain associated with both the Cedar mainstem and the lower reach of Taylor Creek. The target parcels include approximately 1,000 feet of mainstem channel, nearly 1,300 feet of the lowermost reach and mouth of Taylor Creek, and one of the largest remaining floodplain wetlands adjacent to the mainstem. Some of the acquisitions will facilitate future levee removal and/or modification projects (Getchman and Rhode Levees). Completes acquisition by 2009, with restoration by 2012. (C245)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Wetland	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (40 Acres)	Chinook	Coho, Sockeye, Steelhead	underway	Acquisition	$ 1,000,000	acquisition	$ 1,250,000	acquisition	$ 1,250,000	2010	King County	$ 3,500,000	$ 1,350,000	FEMA, Open Space Bond, King County SWM, Conservation Futures	C245
Acquisition	Belmondo Reach Acquisition	Belmondo Reach: 71 acres, 10 parcels, rural residential, riverfront. No levees in reach, numerous side channels, braided reach. Located between WPA and Cummings levees. Reach includes Trib 0316 confluence area. Area is just downstream of Cedar Grove Road / Rainbow Bend acquisition and meander bend restoration. (C232)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (71 Acres)	Chinook	Coho, Sockeye, Steelhead	underway	Acquisition	$ 500,000	acquisition	$ 800,000	acquisition	$ 1,800,000	2010	King County	$ 3,100,000	$ 1,100,000	Seattle HCP, Conservation Futures, King County SWM	C232
Acquisition	Elliot Bridge Habitat Acquisitions	Acquisition of high habitat value properties (7 parcels, 6.7 acres) in the Elliot Bridge reach. These acquisitions will supplement flood buy-outs in the reach and will facilitate early removal and setback of the levee. (C216-B)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (6.7 Acres)	Chinook	Coho, Sockeye, Steelhead	underway	Acquisition	$500,000	acquisition	$500,000			2010	King County	$1,676,000	$676,000	KCD , King County SWM	C216 B
Acquisition	Royal Arch Reach Acquisitions	Acquisition of parcels in the Royal Arch Reach (RM 13.19 to 14.19) of the Cedar River mainstem. Potential habitat restoration opportunities include restoration of a historic side channel for high flow refuge for juveniles, and spawning and rearing habitat.	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (24.76 Acres)	Chinook	Coho, Sockeye, Steelhead	underway	Acquisition	$500,000	acquisition	$500,000	Acquisition		2011		$2,000,000	$1,000,000	SPU HCP	C247

2012 Three-Year Work Plan - WRIA 8 Watershed Implementation Priorities
New Projects Highlighted (Yellow = 2010; Green = 2011; Blue = 2012)
Completed Projects to be Removed (Red)

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
Acquisition	Dorre Don Meanders Reach Acquisition	Dorre Don Meanders Reach: Protect 71 acres, 14 parcels, rural residential, riverfront with flooding issues. Includes an extensive floodplain riparian forest, numerous valley floor spring-fed features including side channel, stream, and oxbow habitats. (C253)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (71 Acres)	Chinook	Coho, Sockeye, Steelhead	underway	Acquisition	$ 1,000,000	acquisition	$ 1,500,000	Acquisition	$ 1,500,000	2011	King County / City of Seattle	$ 4,000,000	$ 1,000,000	Conservation Futures, King County SWM	C253
Restoration	Cedar River Floodplain Restoration at river mile 16	Restore floodplain habitat on left bank of the Cedar River at river mile 16. Native vegetation and large wood installation will create needed rearing habitat for juvenile salmon. Minor riparian re-grading may occur if necessary to engage floodplain benches. Property is surrounded by King County property. (C255)	1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Riparian: Revegetation Planting	Chinook	Coho, Sockeye, Steelhead									Mid-Sound Fisheries Enhancement Group				C255
Cedar River - Protect and Restore Hydrologic Processes to Support Egg Incubation and Pre-Spawning Migrant Life Stages																						
Restoration	Enhance Flows at Lower Rock Creek	Lower Rock Creek Flows: Enhance Flows for Pre-Spawning Migrants: Work with the City of Kent in establishing instream flows that are protective of Chinook through their HCP process. (C351)	Tier 2	Stream flow, Water quality	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream	Instream flow: water flow returned to stream	Chinook		feasibility pending		$ -		$ -		$ -		Kent	$ -	$ -		C351
Cedar River - Restore LWD to Increase In-Stream Juvenile Rearing Productivity																						
Restoration	LWD over Landsburg Dam	Explore feasibility of passing large woody debris over Landsburg Dam. (C260)	Tier 1	Channel structure and complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream	Instream: large woody debris	Chinook		feasibility pending	0	$ -	Feasibility Study	$ 25,000	NA	$ -	ongoing	City of Seattle	$ -	$ -	0	C260
Cedar River - Restore Riparian Function to Increase In-Stream Juvenile Rearing Productivity																						
Restoration	City of Renton Riparian Restoration	Riparian restoration in City of Renton-owned parkland upstream of I-405 bridge on left bank. Define area and then restore (C209/C210)	Tier 1	Riparian areas and LWD recruitment, Floodplain connectivity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Riparian	Chinook		feasibility pending	NA	$ -	riparian restoration	$ 81,000	NA	$ -	2010	Renton	$ 81,000	$ 21,000	Local Governments	C209 / C210
Restoration	Cedar River riparian restoration and invasive species control	Protect priority riparian habitat from knotweed and other priority invasive species in the Cedar River consistent with land use actions C5 and C7. Control invasive knotweed and other priority invasive species on a coordinated basis in priority riparian habitats and all areas upstream of them. After initial control is achieved, regularly monitor, detect and rapidly respond to any new infestations. Implement planting with native species in treated areas. Includes, but is not limited to projects C203, C205, C206, C212, C217, C221, C248, C251, and C253 in the Cedar River consistent with the restoration technical hypotheses for the Cedar River in Plan Volume II (Other non-numbered projects also eligible).	Tier 1	Riparian areas; invasive species	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Invasive species control; riparian restoration	Chinook	Coho, Sockeye, Steelhead												C005A
Subtotal - Capital - Cedar												*$ 5,840,000*		*$ 7,636,000*		*$ 7,840,000*			*$ 22,857,000*	*$ 7,037,000*		
Migratory																						
Capital projects																						
Lakes - Restore Shoreline Complexity to Increase Juvenile Rearing and Migratory Survival																						
Restoration	Small Creek Mouth and Shoreline Restoration in Lake Washington shoreline segments 1 and 2	Restore small creek mouths or restore shorelines (remove bulkheads, reduce armoring, reduce number of docks, or restore vegetation). Work with private landowners (including homeowner demonstration project) or on public lands throughout section 1 and 2. (C267, C269 - South Lake Washington Habitat Design and Restoration, C270 - Lower Taylor Creek Restoration, and C271- Mapes Creek daylighting demonstration site).	Tier 1	Shoreline complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Lakeshore	Instream: channel reconfiguration, Riparian: planting, Lakeshore: armor modification/ removal, modify/ remove overwater structure	Chinook		feasibility pending	Design/Constructio n	$ 1,500,000	Design/Construc tion	$ 1,000,000	Design/Construct ion	$ 1,000,000	2015	Seattle	$ 3,500,000	$ 2,500,000	Renton, or Seattle and Corps	C267, C269 - C271
Restoration	Enhance small creek mouths in Lake Washington shoreline segments 3, 4, 5, 6, and 7	This project supports restoration work on tributary stream mouths in Lake Washington, beyond the highest priority areas in the southern portion of the Lake (segments 1 and 2). For example, in 2012 Adopt A Stream Foundation is interested in implementing a project to restore the mouth of tributary #0056 in Kenmore, which supports implementation of land use priority N63 in lakeshore segment 4.	Tier 1	Shoreline complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Lakeshore, riparian	Shoreline restoration	Chinook														C282 & C303
Restoration	Madrona Park Bulkhead Removal and Shoreline Restoration	Friends of the Cedar River Watershed, in partnership with Seattle Parks, Friends of Madrona Woods, and GAYNOR, Inc., would expand the current re-vegetated shoreline restorations at Madrona Park to the north. The project would support a priority project for the City of Seattle and maximize resources previously invested in the Madrona Creek day-lighting and shoreline project. This project would be a 400 lineal foot shoreline restoration extension continuing north from the current 400'+ Shoreline Restoration done as part of Madrona Park Creek day-lighting and new mouth estuary at Lake Washington. (C287)	Tier 1	Shoreline complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Lakeshore; riparian	Bulkead removal and re-vegetated shoreline	Chinook										Seattle Parks; Friends of the Cedar River Watershed				C287
Restoration	Lake Washington Shoreline Restoration	Lake Washington Shoreline Restoration: Remove bulkheads and place gravels. C288A (Chism Beach Park); C288B (Beaux Arts Shoreline); C288C (Luther Burbank Park – Phase II); C288D (Clyde Beach Park); C288E (Meydenbauer Bay Park); C285 (Newcastle Beach Park)	Tier 1	Shoreline complexity		Lakeshore												City of Bellevue				C288a; c285
Restoration	South Lake Washington DNR Shoreline Restoration	Shoreline restoration of WA Department of Natural Resources property. Remove am portion of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation.	Tier 1	Reduced habitat complexity; Shoreline complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres)	Chinook		feasibility pending	Design		Construction				2015	Dept. of Natural Resources			SRFB/ PSAR	C266
Restoration	Migratory Areas riparian restoration and invasive species control	Protect priority shoreline habitat from priority invasive species in the Migratory Corridors(Lake Washington, Lake Sammamish, Ship Canal, and marine nearshore) consistent with land use actions C27, N13, M8 and M9. Control priority invasive species on a coordinated basis in priority shoreline habitats. After initial control is achieved, regularly monitor, detect and rapidly respond to any new infestations. Implement planting with native species in treated areas. Includes, but is not limited to projects C264, C266, C272, C273, C275, C277, C280, C281, C297, C298, C302, M208, M211, M213, M215, M218, M219, M224, M226, M228, M232, M237, M238, M247, and M248 in Migratory Areas consistent with the restoration technical hypotheses for Migratory Areas in Plan Volume II (Other non-numbered projects also eligible).	Tier 1	Riparian areas; invasive species	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian areas; shorelines	Invasive species control; riparian restoration	Chinook	Coho, Sockeye, Steelhead												M008A

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
Ship Canal Lake Union Locks - Improve Survival of Migrating Adults and Juveniles																						
Restoration	Operational Improvements to Locks	Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204)	Tier 1	Fish Passage	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Estuary	Fish passage	Chinook			Operational Improvements	$ 150,000	0	$ -		$ -	Ongoing	Corps	$ 150,000	$ 150,000	Corps	M204
Estuary and Nearshore - Improve Juvenile Rearing Habitat																						
Restoration	Feeder Bluff Restoration Feasibility Study and pilot restoration projects	Nearshore feasibility assessment to develop multiple beach nourishment designs for restoration (M2 & M3)	Tier 1	Sediment supply	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Nearshore	Beach nourishment	Chinook			Feasibility assessment	$100,000					2010	King County	$300,000	$150,000	WDFW; SRFB/PSAR, KCD; ESRP	M2/M3
Restoration	Big Gulch Pocket Estuary Restoration	Big Gulch Pocket Estuary: Design and restoration of pocket estuary and culvert improvements to restore system connectivity and improve sediment transport into the nearshore. (M222)	Tier 1	Passage; Reduced Habitat Capacity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Estuary River Delta	Activity Type - Estuary or Nearshore: Culvert Replacement - Estuary/Nearshore (1 Each), Activity Type - Land Protected, Acquired, or Leased: Upland Protected (1.10 Acres)	Chinook	Coho, Steelhead		Feasibility and Design	$ 100,000	Restoration	$ 1,900,000		$ -	2012	Mukilteo	$ 20,000,000	$ 1,900,000	Local Governments / Grants/ Mitigation	M222
Restoration	Willow Creek Daylighting	Daylight Willow Creek along much of its length downstream of Edmonds Marsh to create an open channel. Willow Creek would be moved out of the existing pipe from the marsh to the Sound into a daylighted channel. The creek would pass under a new bridge culvert (trestle) that is being placed beneath existing and future BNSF rail lines near Pt. Edwards and enter the Sound near or through Marina Beach Park. (M233)	Tier 1			Riparian; nearshore	Stream restoration and neashore connectivity	Chinook	Coho, cutthroat									People for Puget Sound				M233
Subtotal - Capital - Migratory												*$ 1,850,000*		*$ 2,900,000*		*$ 1,000,000*			*$ 23,950,000*	*$ 4,700,000*		
Sammamish - North Lake Washington Tributaries																						
Capital Projects																						
NLW Tribs - Channel Complexity and Large Woody Debris to support juvenile rearing and fry colonization life stages																						
Restoration	Lower Bear Creek Restoration	Lower Bear Creek Restoration: Provide an enhanced channel alternative to the ditched and leveed lower 3,000 feet of Bear Creek, including a new refuge confluence with the Sammamish River. Add LWD, restore riparian conditions. (N201)	Tier 1	Channel Structure and Complexity, Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Instream: Channel Reconfiguration (Includes Channel Roughening) (0.50 Miles), Activity Type - Instream: Large Woody Debris (3000 Feet)	Chinook	Coho, Sockeye	Feasibility Completed	Construction	$ 1,000,000	Construction	$ 9,000,000	Monitoring	$ 25,000	2010	Redmond	$ 10,000,000	$ 850,000	design and permitting 2006-2010, construction 2011	N201
Restoration	Evaluate Locations for LWD Additions	Evaluate locations for LWD addition. Focus on Reach 6, which has the highest restoration potential but does not presently include any projects. (N242)	Tier 1	Channel Structure and Complexity, Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream	Activity Type - Instream Habitat: Channel structure - Large woody debris (1750 Feet)	Chinook	Coho, Sockeye	Feasibility Pending	Feasibility Study	$ 50,000	Construction	$ 150,000	Construction	$ 150,000	2013	King County	$ 350,000	$ 100,000	Local governments	N242
Restoration	Evans/Bear Creek Restoration	Evans/Bear Creek Restoration: In-channel restoration is needed in Bear Creek and Evans Creak through the former dairy farm at the confluence; RM 1.25 to RM 2.5 on Bear Creek and RM 1.2 to RM 4.6 on Evans Creek (Same as Keller Farm). Reconfigure channel where it has been widened due to past farm practices, enhance riparian area, add LWD, replant. (N208/N211)	Tier 1	Channel Structure and Complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Instream: Channel Reconfiguration (Includes Channel Roughening) (4.65 Miles), Activity Type - Instream: Large Woody Debris (4500 Feet), Activity Type - Riparian: Revegetation Planting (5 Acres)	Chinook	Coho, Sockeye	Feasibility Pending	Acquisition	$ 2,000,000		$ -	Restoration	$ 1,000,000	2010	Redmond / WSDOT	$ 3,000,000	$ 3,000,000	Private / WSDOT	N208 / N211
Restoration	Evans Creek Relocation Study	Study feasibility of relocating Evans Creek to the North, away from industrial area. Potential project elements would include increasing buffer, connecting wetlands to the creek, adding stormwater facilities to improve water quality, adding LWD to increase channel complexity. Some of the property where creek would be relocated is owned by City of Redmond	Tier 1	Channel Structure and Complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Channel reconfiguration; riparian area restoration	Chinook	Coho, Sockeye, Steelhead	Study complete								City of Redmond				N432
Restoration	Evans Creek Relocation	The City of Redmond completed the Evans Creek Relocation study (N432) and is moving ahead with relocating Evans Creek in 2012. As a result, project N433 from the Comprehensive Plan project list (Restore Evans Creek in-place) will not be implemented.	1	Channel Structure and Complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian Area, instream	Instream: Channel Reconfiguration	Chinook	Coho, Sockeye, Steelhead	Active								City of Redmond				N432A
Acquisition	Protect headwaters of Cottage Creek and Bear Creek	Acquire forest property, development rights/conservation easements, and provide enhanced incentives to retain and plant forest area environments. (N277)	Tier 1			Riparian, instream		Chinook										Snohomish County				N277
Restoration	Cottage Creek Restoration	Cottage Creek: Explore opportunities to improve floodplain connection in reach by removing riprap or artificial constrictions. (N282)	Tier 1	Channel Structure and Complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream	Activity Type WRIA 8: Armor modification/removal (2750 Linear Feet)	Chinook	Coho, Sockeye	Feasibility Pending	Restoration	$ -		$ -	Restoration	$ 180,000	2010	King County	$ 90,000	$ 90,000	Local governments	N282
Restoration	North Creek School (now called Clearwater School) Restoration	Continue North Creek School Project: Work with school to do additional riparian restoration, large woody debris addition and side channel enhancements on their property. This project has been one of Snohomish county's top priorities in recent years. (N378)	Tier 2	Channel Structure and Complexity, Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Instream: Channel Reconfiguration (Includes Channel Roughening), Activity Type - Instream: Large Woody Debris, Activity Type - Riparian: Revegetation Planting	Chinook	Coho, Sockeye, Steelhead	Construction	Restoration	$240,360	Restoration	$134,350			2011	Snohomish County	$ 374,710	$134,350	Local government; NFW	N378

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
NLW Tribs - Hydrologic processes to support egg incubation, juvenile rearing, and adult migration																						
Acquisition	Bear Creek Forest Cover Protection	Bear Creek Forest Cover Protection: Acquire forest property, development rights/conservation easements, and provide enhanced incentives to retain and plant forest area environments. Particularly forested area south of Puget Power Trail and at corner of 116th and Avondale Road. (N216)	Tier 1	Riparian Areas & LWD Recruitment, Water Quality	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian	Activity Types - Acquisition/Easements/Leases : Upland protected (24 Acres)	Chinook	Coho (Secondary Species), Sockeye (Secondary Species)		Acquisition	$ 800,000	$ -	$ -	$ -	$ -	2010	King County	$ 800,000	$ 200,000	Local governments	N216
Acquisition	Little Bear and Great Dane Creeks Forested Wetland Protection	Forest Cover, Wetland Protection: Protect large, undeveloped forested wetland on both Little Bear and Great Dane Creeks. Approximately 100 acres including 10 parcels. Also listed under Great Dane Creek Reach 1. (N422)	Tier 2	Water Quality, Reduced Habitat Capacity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Wetland	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (100 Acres)	Chinook			Acquisition	$ -	Acquisition	$ 500,000	Acquisition	$ 500,000	2009	Snohomish County	$ 1,000,000	$ 500,000	Local governments	N422
Acquisition	Little Bear Reach Riparian Wetland Protection	Protect Riparian Wetland in Little Bear Reach 10: Protect undeveloped, forested wetlands (second growth forest) in reach covering approximately 55 acres and 12 parcels owned by two landowners. Enhance with large woody debris. (N424)	Tier 2	Riparian Areas & LWD Recruitment, Water Quality, Reduced Habitat Capacity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Wetland	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (110 Acres)	Chinook		Feasibility Pending	Acquisition	$ 500,000	Acquisition	$ 750,000	Acquisition	$ 750,000	2010	Snohomish County	$ 1,000,000	$ 250,000		N424
Acquisition	Little Bear Creek Forested Headwater Wetlands Protection	Little Bear Forest Cover Protection: Protect forested, headwater wetlands from corner of 51st and 180th upstream approximately 2 miles along Little Bear Creek through conservation easements and acquisition. Includes three wetland complexes totaling over 200 acres: 4 parcels along 180th St. on mainstem; ~7 parcels along Trout Stream from 180th to Interurban Blvd.; and 5 parcels north of 164th Street to 156th Street. (N429)	Tier 2	Riparian Areas & LWD Recruitment, Water Quality	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Wetland	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (200 Acres)	Chinook			Acquisition	$ -	Acquisition	$ 500,000	Acquisition	$ 1,000,000	2011	Snohomish County	$ 1,500,000	$ 500,000	Local Governments	N429
Restoration Projects	Little Bear Creek Reach 2-Fish Passage 132 Ave NE (N401) and Fish passage 134th Ave NE (N402) with riparian restoration (N403)	Fish Passage Benefiting Chinook: 132nd Avenue NE (a low flow blockage), RM 0.45, and 134th Ave NE (3 cement pipes, broken), RM 0.5, City of Woodinville; Restore Riparian Vegetation up to H 522 and add large wood.	Tier 2	Degraded Habitat-Fish Passage; Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream	Activity Type - Fish Passage: Fish passage blockages removed or altered (4); Riparian Habitat - plantings of native vegetation; Large Wood - placement	Chinook		Feasibility Pending							12/31/2055	Woodinville City of	300000			N401, N402, N403
Restoration	Kelsey Creek Fish Passage and Channel Restoration - Reach 3 (N473)	N473 Fish Passage: Reduce jump height at concrete weirs using artificial riffle or other "safer" engineering. With N454/N458 - Installation of LWD, design and install LWD to provide hydraulic refuge areas during peak flows in stream segments 76-03 through 76-08 of Kelsey Creek. With N457/N459 – Restoration of Riparian Areas: Identify and implement opportunities to plant native coniferous trees in the riparian zones throughout the subarea. First priority should be the mainstem of Kelsey Creek.	Tier 2	Fish Passage, 'Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Riparian	Activity Type - Fish Passage: Fish passage blockages removed or altered (9 Each)	Chinook	Coho, Sockeye	Design & permits	Design						2014	City of Bellevue			Bellevue, KCD	N473
Restoration	Kelsey Creek Restoration Phase 2	Restore downstream reach of Kelsey Creek at 13th Place in Bellevue, building off of Phase 1 restoration in 2011. Project includes bank stabilization via bioengineering and LWD installation. Spawning and rearing habitat will be created with the building of log jams, adding stream complexities and spawning gravels. Participating parcels are not yet determined.	Tier 2	Riparian Areas	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian Areas; instream	Riparian Areas	Chinook	Coho, Sockeye								Mid-Sound Fisheries Enhancement Group				N485 & N487
Restoration	North Creek Reach 5-Riparian Restoration and Stream Enhancements	Riparian Restoration and Stream Enhancements: Work with Landowners in Reach 5 to restore riparian vegetation and to do stream enhancements. Adopt-a-Stream Project in Snohomish County portion of North Creek. Project overlaps with Snohomish County North Creek Drainage Needs Report Project proposal.	Tier 2	Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Riparian Habitat: Planting	Chinook	Cutthroat (Secondary Species), Coho (Secondary Species), Sockeye (Secondary Species), Steelhead (Secondary Species)	Feasibility Pending							12/31/2015	Snohomish County of				N379, N384
Acquisition	Reach 6 Protection through Acquisition	North Creek- Protect remaining forest cover and wetlands through CAOs, regulations, BMPs, and incentives and acquisition where regulations and incentives are not sufficient. There are undeveloped forested areas and wetlands in the following reaches: Lower North reaches 4,3,2 and upper North reaches 10,9,8,7 (listed in EDT priority). (N385)	Tier 2	Riparian Areas & LWD Recruitment, Stream Flow, Water Quality	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian	Activity Type - Riparian Habitat: Planting	Chinook			Acquisition								$ 2,000,000			N385
NLW Tribs River - Restore Riparian Function to Support Juvenile Rearing and Fry Colonization																						
Restoration	NLW Tribs Riparian Restoration	Riparian restoration in reach. Most of the reach is publicly owned, but need to remove invasive plants and replant with native vegetation. (N206)	Tier 1	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Riparian Habitat: Planting (12 Acres)	Chinook	Coho, Sockeye	Design Completed		$ -		$ -	Restoration	$ 25,000	2010	Redmond	$ 25,000	$ 12,500		N206
Restoration	Riparian restoration in Friendly Village development along Cottage Lake Creek	Adopt-A-Stream Foundation completed some buffer restoration at the "Little Bit" equestrian center in 2011. The City of Redmond and/or Adopt-A-Stream Foundation will work to enhance riparian buffers at Friendly Village within a 3-year timeframe. In coordination with the City of Redmond, Adopt A Stream is currently developing a restoration strategy with the owners of Friendly Village in Redmond.	Tier 1	Channel Structure and Complexity, Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Riparian restoration	Chinook	Coho, Sockeye									Adopt-A-Stream Foundation; City of Redmond				N214
Restoration	Restore riparian conditions along Cottage Lake Creek	Work with private landowners to create a riparian buffer around known Chinook redds on Cottage Lake Creek, just upstream of the Avondale Way road crossing. Install fencing to limit livestock access to creek, determine feasibility of livestock stream crossing.	Tier 1	Riparian areas	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian area	Restore riparian areas and install livestock fencing	Chinook	Coho, Sockeye									Mid-Sound Fisheries Enhancement Group				N289; N290; N291

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
Restoration	Riparian restoration and invasive species control (North, Little Bear, Evans Cks)	Protect priority riparian habitat from knotweed and other priority invasive riparian weeds in the Sammamish River consistent with land use actions N40, N42, and N43. Control invasive knotweed and other priority invasive species on a coordinated basis in priority riparian habitats and all areas upstream of them. After initial control is achieved, regularly monitor, detect and rapidly respond to any new infestations. Implement planting with native species in treated areas. Includes, but is not limited to, projects N334, N339, N341, N343, N344, N346, N348, N349, N350, N351, N356, N358, N361, and N362 in the Sammamish River consistent with the restoration technical hypotheses for the Sammamish River in Plan Volume II (Other non-numbered projects also eligible).	Tier 1 & 2	Riparian areas; invasive species	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Invasive species control; riparian restoration	Chinook														N079A
Restoration	Riparian restoration and invasive species control - Bear/Cottage Lake Creeks	Protect priority riparian habitat from knotweed and other priority invasive species in Bear and Cottage Lake Creeks consistent with land use action N13. Control invasive knotweed and other priority invasive species on a coordinated basis in priority riparian habitats and all areas upstream of them. After initial control is achieved, regularly monitor, detect and rapidly respond to any new infestations. Implement planting with native species in treated areas. Includes, but is not limited to projects N206, N211, N214, N221, N228, N236, N250, N251, N261, N262, N276, N281, N289, N298, N300, N307, N316, and N324 consistent with the restoration technical hypotheses for these tributary creeks in Plan Volume II (Other non-numbered projects also eligible).	Tier 1	Riparian areas; invasive species	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Invasive species control; riparian restoration	Chinook														N013A
Restoration	Riparian restoration and invasive species control - Kelsey Creek	Protect priority riparian habitat from knotweed and other priority invasive species in Kelsey Creek consistent with land use action N130. Control invasive knotweed and other priority invasive species on a coordinated basis in priority riparian habitats and all areas upstream of them. After initial control is achieved, regularly monitor, detect and rapidly respond to any new infestations. Implement planting with native species in treated areas. Includes, but is not limited to projects N442, NN455, N457, N459, N464, N470, N478, N487, N494, N502, and N512 consistent with the restoration technical hypotheses for Kelsey Creek in Plan Volume II (Other non-numbered projects also eligible).	Tier 2	Riparian areas; invasive species	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Invasive species control; riparian restoration	Chinook														N130A
Acquisition	Reach 9- Bear Creek Waterways Program (N239)	Continue Bear Creek Waterways program to protect best remaining habitat. This reach includes Reach D. Change in feasibility with a willing seller of a large parcel.	Tier 1	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian	Activity Type - Land Protected, Acquired, or Leased: Streambank or Riparian Protected (62 acres)	Chinook	Coho, Sockeye	negotiations underway	Acquisition		Acquisition	$1,350,000			2012	King County	$1,350,000	$900,000	KCD, CFT, SRFB/ PSAR	N239
Acquisition	Bear Creek Waterways Program	Continue Bear Creek Waterways program to protect best remaining habitat. Includes "Reach D" and Reach E. In particular, forested riparian parcels contiguous to already protected properties. Also protect undeveloped properties that can be restored. (N232, N303, N293, N286)	Tier 1	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian, Wetland	Activity Types - Acquisition/Easements/Leases : Upland protected (84 Acres)	Chinook	Coho, Sockeye		Acquisition	$ -	Acquisition	$ 500,000		$ -	0	King County	$ 500,000	$ 100,000		N232, 303, N293, N286
Restoration	Horse Farm Restoration (Bear Creek)	Restoration needed on Horse Farm property on NE 140th St. Reduce fine sediments, restore riparian areas. Pursue farm plan to address impacts to Bear Creek. (N228)	Tier 1	Riparian Areas & LWD Recruitment, Excessive Sediment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian	Activity Types- Agriculture BMP, Erosion control structures, riparian planting	Chinook	Coho, Sockeye	Feasibility Pending		$ -	Restoration	$ 25,000		$ -	0	King Conservation District, King County	$ 25,000	$ 12,500		N228
Restoration	Paradise Valley Conservation Area Restoration (Bear Creek)	Remove invasive plants and plant riparian buffer along Bear Creek throughout Paradise Valley Conservation Area, as well as infested areas on public property immediately south of Woodinville-Duvall Road. (N276)	Tier 1	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type- Riparian Habitat: plant removal/control and riparian planting	Chinook	Coho, Sockeye	Feasibility Pending		$ 50,000		$ -		$ -	0	Snohomish County	$ 50,000	$ 25,000		N276
Subtotal - Capital - NLW Tribs.												*$ 5,640,360*		*$ 13,909,350*		*$ 4,630,000*			*$ 25,364,710*	*$ 7,674,350*		
Sammamish River - Protect and Restore Floodplain Connectivity to Support Juvenile Rearing and Adult Migration																						
Restoration	Swamp Creek Regional Park Wetland and Stream Restoration (N335)	Swamp Creek Regional Park Wetland and Stream Restoration: As identified in the Sammamish River Corridor Action Plan, restore large, publicly owned wetland complex at the confluence of Swamp Creek and the Sammamish River, creating a diversity of wetland elevations and habitats in the floodplain.	Tier 1	Channel Structure and Complexity, Riparian Areas & LWD Recruitment, High Water Temperatures	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Riparian (1 acre), Wetland (28 acres)	Instream, Riparian, Wetland	Chinook	Coho, Sockeye, Steelhead	Design underway	permits		Construction								Kenmore, SRFB/PSAR KCD	N335
Restoration	Sammamish River Reach 2- Wetland Restoration on Right Bank in Bothell and Riparian Wetlands adjacent to 102nd Avenue bridge (N337/N338)	Wetland Restoration on Right Bank in Bothell: Restore historic wetlands on right bank downstream of 102nd Avenue bridge to be seasonally inundated wetlands with small channels connecting them to the river.(N337). Enhance and reconnect riparian wetlands and remnant side channels adjacent to 102nd Avenue bridge on left bank (N338)		Degraded Habitat-Floodplain Connectivity and Function		Riparian, Wetlands		Chinook		Feasibility Pending							12/31/2015	Bothell City of				N337 N338

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
Restoration	Transition Zone Restoration	Restore Transition Zone: Restoration of the left meander (Marymoor meander) below the weir as either the main channel or a seasonal channel with wetlands is recommended. Reroute tributary 0141 into wetland. Enhance or create pools at small tributary outlets, at meander bends downstream of the transition zone, and just downstream of the weir. Restoration elements could include excavation of new channel, creation of pools, and an overflow bench with wetland vegetation; removal of non-native vegetation; placement of gravel substrate in new channel; connection to capture hyporehic flows; and revegetation of riparian and wetland areas with native plants. (N358)	Tier 1	Channel Structure and Complexity, Riparian Areas & LWD Recruitment, High Water Temperatures, Reduced Access to Spawning Habitat - Fish Passage/Anthropogenic/Natural Barriers	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Riparian Habitat: Planting (1 Acres), Activity Type - Wetlands: Upland wetland - wetland restoration (28 Acres)	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending	Design	$ 270,000	Construction	$ 1,800,000		$ -	2011	King County	$ 2,070,000	$ 1,270,000	King County Surface Water Mgmt and River Improvement Fund, Army Corps	N358
Restoration	Lower Bear Creek Confluence Restoration	Lower Bear Creek Confluence Restoration. Regrade banks, create flood benches at or below high-water mark, and plant banks and benches with native vegetation. Particular focus should be given to the upper river (RM 11 to RM 13.6) and downstream of the major tributaries. An emerging bench/wetland would provide juvenile salmonid shallow rearing habitat. (N356)	Tier I	Regulatory Mechanisms	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian		Chinook		Feasibility Completed								Redmond				
Restoration	Sammamish River Restoration	Re-grade banks, create flood benches at or below high-water mark, and plant banks and benches with native vegetation. Particular focus should be given to the upper river (RM 11 to RM 13.6) and downstream of the major tributaries. An emerging bench/ wetland would provide juvenile salmonid shallow rearing habitat. (N356)	Tier 1	Floodplain connectivity and function		Floodplain, riparian	Regrade banks and restore riparian vegetation	Chinook										City of Sammamish				N356
Restoration	Sammamish River Tributary Mouth Restoration Feasibility and Restoration	Sammamish River Tributary Mouth Restoration Feasibility and Restoration: Feasibility and design study for each of the tributary mouths in the Sammamish River. Implement restoration projects. Includes Bear, Little Bear, North, and Swamp Creeks, as well as Willows (trib 0102), Peters (trib 0104), and tribs 0057A, 0068, 0069, 0095, 0095A, 0095B, and mouth of Horse Creek Western Branch. (N201, N339, N346, N357)	Tier 1	Floodplain connectivity and function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Riparian, Wetland	Activity Type - Instream Habitat: Channel reconfiguration and connectivity (0.50 Miles), Activity Type - Instream Habitat: Channel structure - Large woody debris (3000 Feet)	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending		$ -	Feasibility and Design	$ 150,000		$ -	2015	King County	$ 150,000	$ 50,000	Local Government	N201, N339, N346, N357
Restoration	Riparian revegetation on Tosh Creek, tributary to the Sammamish River, between weir and Lake Sammamish	Enhance tributary 08-0141 (Tosh Creek Realignment and Culvert Replacement), including some revegetation near the Sammamish River in this area.	Tier 1	Riparian Areas	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, instream	Channel reconfiguration; riparian area restoration	Chinook	Coho, Sockeye, Steelhead									City of Redmond				N362
Restoration	Sammamish River riparian restoration and invasive species control	Protect priority riparian habitat from knotweed and other priority invasive riparian weeds in the Sammamish River consistent with land use actions N40, N42, and N43. Control invasive knotweed and other priority invasive species on a coordinated basis in priority riparian habitats and all areas upstream of them. After initial control is achieved, regularly monitor, detect and rapidly respond to any new infestations. Implement planting with native species in treated areas. Includes, but is not limited to, projects N334, N339, N341, N343, N344, N346, N348, N349, N350, N351, N356, N358, N361, and N362 in the Sammamish River consistent with the restoration technical hypotheses for the Sammamish River in Plan Volume II (Other non-numbered projects also eligible).	Tier 1	Riparian areas; invasive species	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Invasive species control; riparian restoration	Chinook														N042A
Subtotal - Capital												*$ 270,000*		*$ 1,950,000*		*$ -*			*$ 2,220,000*	*$ 1,320,000*		
Sammamish - Issaquah																						
Issaquah Tribs - Protect and Restore Channel Complexity to Support Juvenile Rearing and Pre-Spawning Migrants																						
Restoration	Sammamish State Park Restoration	Sammamish State Park Restoration: Revisions of the State's Plan for the park emphasis restoration of the wetlands, streams and lakeshore areas. EDT modeling results suggest park restoration in Reach 1 has highest restoration potential to affect VSP attributes, but based on an aggressive approach. Opportunity to work with State and consultants on restoration actions. (I204)	Tier 1	Regulatory Mechanisms	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Riparian Habitat: Planting and native plant establishment	Chinook		Feasibility Completed	Restoration	$ 50,000	Restoration	$ 50,000	Restoration	$ 50,000	2010	Washington State Parks	$ 150,000	$ 150,000	Washington State Parks / Local Govts	I204
Restoration	Pickering Place Channel and Riparian Restoration	Pickering Place Channel and Riparian Restoration, Stream restoration along 1,800 feet of west bank Issaquah Creek. Restoration could include removal of hardened banks and floodplain, side channel, and riparian enhancements. (I207)	Tier 1	Floodplain Connectivity & Function, Channel Structure and Complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Floodplain Restoration: Channel Connectivity/Rehabilitation/Creation - Floodplain Restoration (1800 Linear Feet), Activity Type - Riparian: Revegetation Planting (8.20 Acres)	Chinook		Feasibility Pending	Restoration		Restoration		Restoration		2010	Issaquah	$500,000		Local Governments	I207
Acquisition and Restoration	Bush Lane Acquisition and Restoration	Bush Lane Acquisition and restoration. When combined with Pickering Place could create a large protected/restored section of Issaquah Creek on both banks and some of lower NF Issaquah. Stream, riparian, and floodplain restoration on 1,200 feet of Issaquah Creek east bank. Stream/buffer enhancements can be combined with other public use of upland area of site, such as active recreation. (I206 & I208)	Tier I	Floodplain Connectivity & Function, Channel Structure and Complexity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream, Wetland	Activity Type - Floodplain Restoration: Channel Connectivity/Rehabilitation/Creation - Floodplain Restoration (1200 Linear Feet), Activity Type - Land Protected, Acquired, or Leased: Upland Protected (12.50 Acres), Activity Type - Riparian: Revegetation Planting (12.50 Acres)	Chinook		Feasibility Pending							2010	Issaquah			Local Governments	I206, I208, I274, I270

2012 Three-Year Work Plan - WRIA 8 Watershed Implementation Priorities
New Projects Highlighted (Yellow = 2010; Green = 2011; Blue = 2012)
Completed Projects to be Removed (Red)

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
Restoration	Restoration at confluence of Issaquah Creek and E Fork Issaquah Creek	Project concepts developed by Kokanee Work Group for multiple species benefit: • I211A) Cybill-Madeleine Park Habitat Enhancement – Regrade banks, add large wood and other pool-forming features, create side-channel habitat • I211B) E Fork Issaquah Creek Confluence restoration – Remove armoring and re-grade right bank to increase connection to floodplain. Add large wood and plant native riparian species	Tier 1	instream habitat complexity (LWD, pools, spawning gravel)				Chinook	kokanee (only in conjunction with a program to reestablish kokanee; historically Issaquah Crk had the early-run, which is now considered extinct). Coho, steelhead, cutthroat	City of Issaquah is finalizing the master site plan for this park and has applied for KCD funding for future phases.								City of Issaquah				I211A; I211B
Restoration	Juniper Acres Restoration	Juniper Acres Restoration. A small 2-acre parcel recently acquired. When combined with Issaquah Park and other City owned parcels, represents good restoration potential in urban reaches. (I212)	Tier 1	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream, Wetland	Activity Type - Floodplain Restoration: Channel Connectivity/Rehabilitation/Creation - Floodplain Restoration (550 Linear Feet)	Chinook		Feasibility Completed	Restoration						2010	Issaquah	$150,000		Local Governments	I212
Protection	Additional South Issaquah Creek Greenway Acquisitions	Additional South Issaquah Creek Greenway Acquisitions: Large parcels adjacent to the South Issaquah Creek Greenway offer additional potential for open space preservation, riparian and wetland enhancements, instream restoration, and side channels. Includes Mohl Property, located immediately downstream of Sycamore Drive on west bank; and other properties. (I225)	Tier 1	Channel Structure and Complexity, Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian, Instream, Wetland	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (19 Acres)	Chinook			Acquisition	$ -		$ -	Acquisition	$ 750,000	2010	Issaquah	$ 750,000	$ 375,000	Local Governments/ KCD	I225
Restoration	Squak Valley Park Restoration	Squak Valley Park Restoration. Improve habitat complexity and riparian forest, create off-channel areas connected to the stream, large woody debris placement. Levee removal (all or parts - unknown). Right bank Issaquah - 8. (I226)	Tier 1	Floodplain Connectivity & Function, Channel Structure and Complexity, Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream, Wetland	Activity Type - Estuarine & Nearshore: Channel modification / creation (1250 Yardst), Activity Type - Instream Habitat: Channel structure - Large woody debris (1250 Feet), Activity Types - Acquisition/Easements/Leases : Upland protected (1.90 Acres)	Chinook		Feasibility Completed	Restoration						2010	Issaquah	$700,000		Local governments	I226 B
Acquisition	Issaquah Waterways Acquisition and Restoration and Carey/ Holder/ Issaquah Creek Confluence	Issaquah Waterways Acquisition and Restoration (I249) and Carey/Holder/Issaquah Creek Confluence (I248. I250, I252): Middle Issaquah Reach 12 acquisition and restoration and the confluence of Issaquah, Carey and Holder Creeks. Acquisition in fee or conservation easement to restore or expand riparian buffers. Removal of invasives. Plan includes increased fenced buffers (100 ft for named tributaries and 50 ft. for unnamed tributaries), and restricted access to the riparian corridors. (I248. I249, I250, I252)	Tier 1	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Riparian: Revegetation Planting (120 Acres)	Chinook		Feasibility Pending	Acquisition	$ -	Acquire conservation easement	$ 350,000	Acquire Conservation Easement	$ 350,000	2009	King County	$ 700,000	$ 350,000	Local Governments/ KCD/Conservation Futures	I250
Acquisition	Issaquah Waterways Acquisition and Restoration	Acquire and restore undeveloped streamside property on Issaquah Creek downstream of Juniper St. and downstream of Berntsen Park (I209 and I210)	Tier 1	Riparian Vegetation	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian																
Issaquah -Protect and Restore Riparian Function to Support Juvenile Rearing and Spawning Migrants																						
Acquisition	Wildwood Acquisition	Wildwood Acquisition: Acquisition of the left bank property opposite recent acquisition of one of the few remaining large undeveloped parcels (8 acres - Johnson property) on lower Issaquah Creek. (I222)	Tier 1	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (0.30 Acres)	Chinook				$ -		$ -	Acquisition	$ 300,000	2009	Issaquah	$ 300,000	$ 150,000	Local Governments	I222
Restoration	Issaquah Creek riparian restoration and invasive species control	Protect priority riparian habitat from knotweed and other priority invasive species in Issaquah Creek consistent with land use actions I24, I28, and I30. Control invasive knotweed and other priority invasive species on a coordinated basis in priority riparian habitats and all areas upstream of them. After initial control is achieved, regularly monitor, detect and rapidly respond to any new infestations. Implement planting with native species in treated areas. Includes, but is not limited to projects I202, I209, I211, I212, I213, I219, I220, I223, I224, I226, I227, I228, I232, I236, I239, I243, I246, I248, I266, I272, I277, I278, and I280 in Issaquah Creek consistent with the restoration technical hypotheses for Issaquah Creek in Plan Volume II (Other non-numbered projects also eligible).	Tier 1	Riparian areas; invasive species	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Invasive species control; riparian restoration	Chinook														I028A
Issaquah - Protect and Restore Water Quality to Support Egg Incubation, Juvenile Rearing, and Pre-Spawning Migrants																						
	no projects																					
Issaquah - Hatchery Capital Projects																						
Hatchery	Issaquah Integrated Fish Passage	Issaquah Integrated Fish Passage. Allow unhindered adult passage of Chinook and coho. Open up over 10 miles of habitat. (was "Issaquah Hatchery Dam Passage") (I221)	Tier 1	Reduced Access to Spawning Habitat - Fish Passage/Anthropogenic/Natural Barriers	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream	Activity Type - Fish Passage: Fishways (Ladders, Chutes or Pools) - Fish Passage (1 Each)	Chinook	Coho	Design Completed; project construction funded in 2012 Supplemental Budget	Feasibility		Design		Construction		2013	Issaquah, Corps of Engineers, and WDFW	$4,000,000	$2,400,000	Local Governments, Army Corps of Engineers, WDFW	
Subtotal - Capital - Issaquah												*$ 50,000*		*$ 400,000*		*$ 1,450,000*			*$ 7,250,000*	*$ 3,425,000*		
TOTAL - Capital Projects												*$ 13,650,360*		*$ 26,795,350*		*$ 14,920,000*			*$ 81,641,710*	*$ 24,156,350*		

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
Non-Capital																						
Non-capital needs for Adaptive Management and Coordination																						
Future Habitat Project Development	5-6% Capacity Funds	Assistance to site-specific projects or addressing barriers to implementation of projects or programs. Identifying priorities for programmatic actions.	All					Chinook			Staffing, facilitation, project or program development, workshops,	$53,885	Staffing, facilitation, project or program development,	$53,885	Staffing, facilitation, project or program development,	$53,885	Ongoing	Multiple stakeholders	$161,655	$0	PSAR Capacity Funds	
Watershed Plan Implementation & Coordination	Salmon Recovery Coordination	Salmon Recovery Coordination/ Adaptive Management Framework and Plan Implementation tracking	All					Chinook			Staffing, facilitation, database development, tracking, reporting	$100,000	Staffing, facilitation, database development	$100,000	Staffing, facilitation, database development	$100,000	Ongoing	Multiple stakeholders	$300,000	$50,000	Local govts	
Watershed Plan Implementation & Coordination	Habitat, Hatchery, and Harvest Integration	Enhanced Integration of Habitat, Hatchery, and Harvest Management Actions	All					Chinook			Implement recommendations from regional H-Integration Leadership Group	$50,000	Implement recommendations from regional H-Integration Leadership Group	$50,000	Implement recommendations from regional H-Integration Leadership Group	$50,000	Ongoing	Co-Managers and Multiple Stakeholders	$150,000	$0		
Watershed Plan Implementation & Coordination	Lead Entity Coordination & Administrative Support of Watershed Committees	Lead entity coordination* & Administrative Support and coordination of the watershed committees / Completion and periodic revisions to the watershed salmon plan	All					Chinook			Staffing (3.5 FTE)	$561,000	Staffing (3.5 FTE)	$561,000	Staffing (3.5 FTE)	$561,000	Ongoing	Local gov't. & Lead entity	$1,683,000	$1,683,000	ILA Local govts & LE grant	
Sub-total - Non-capital needs for Adaptive Management and Coordination												*$764,885*		*$764,885*		*$764,885*			*$2,294,655*	*$1,733,000*		
Non-capital needs for WRIA 8 Plan Programmatic Recommendations (For a more detailed list of the programmatic recommendations, associated limiting factor, and cost estimates, see Attachment B: WRIA 8 Programmatic Actions List)																						
Habitat Restoration	Invasive species control in all watershed sub-basins	Protect priority riparian habitat from knotweed and other priority invasive species. Control invasive knotweed and other priority invasive species on a coordinated basis in priority riparian habitats and all areas upstream of them. After initial control is achieved, replant treated areas with native species and regularly monitor, detect and rapidly respond to any new infestations.	Tier 1-3	Riparian Vegetation,	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian Areas	Invasive species control; riparian restoration	Chinook														
Habitat Restoration; Outreach and education	Riparian area protection and restoration	Habitat protection and restoration: Work with public and private landowners to protect and restore riparian areas in both rural and urban areas of the watershed (basin wide), including targeted technical assistance and outreach and education activities.	Tier 1-3	Riparian Vegetation,	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian Areas	Riparian protection and restoration	Chinook														
Outreach and education	Increase Awareness and Support for Salmon Recovery	Outreach and Education: Increase support for salmon recovery, including promotion of programs that enable the public to see returning adult salmon and learn about salmon and river ecology, annual tour of habitat protection and restoration projects for elected officials, identifying and promoting watershed salmon recovery legislative priorities, coordinated messaging, etc. Examples of Programs: Salmon SEEson Stewardship - Encourage community stewardship (e.g. C721 with C719/C731 but basinwide) Streamside Landowner Education workshops for education, stewardship and BMP implementation Promote tree cover value (C720/N719/N735/I715) Stormwater actions - basinwide Natural Yard Care – basinwide Protection of nearshore	Tier 1	Hydrology, Water and Sediment Quality, Floodplain Connectivity, Riparian Vegetation, Sediment Processes, Shoreline Complexity, Passage	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan			Chinook			*Staffing, materials, and mix of other resources*	*$1,905,000*	*Staffing, materials, and mix of other resources*	*$1,905,000*	*Staffing, materials, and mix of other resources*	*$1,905,000*	*Ongoing*	*Multiple stakeholders and WRIA 8*	*$5,715,000*	*$476,250*	*Local govts and other sources*	
Habitat Protection	Integration of regulatory flexibility to benefit salmon	(No examples proposed)	Tier 1	Hydrology, Water and Sediment Quality, Floodplain Connectivity, Riparian Vegetation, Sediment Processes, Shoreline Complexity, Passage	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan			Chinook			*Staffing, materials, and mix of other resources*	*$56,000*	*Staffing, materials, and mix of other resources*	*$56,000*	*Staffing, materials, and mix of other resources*	*$56,000*	*Ongoing*	*Multiple stakeholders and WRIA 8*	*$175,000*	*$130,500*	*Local govts and other sources*	
Habitat Protection	Incentive programs	Examples of Programs: Incentives to restore ecosystem function (C007) Riparian – Negotiate for enhancement of riparian buffers (C006)	Tier 1	"				Chinook			*Staffing, materials, and mix of other resources*	*$266,000*	*Staffing, materials, and mix of other resources*	*$266,000*	*Staffing, materials, and mix of other resources*	*$266,000*	*Ongoing*	*Multiple stakeholders and WRIA 8*	*$798,000*	*$396,000*	*Local govts and other sources*	
Outreach and education	Telling Salmon Recovery Story	Partner with Friends of the Cedar River Watershed to engage untapped funding sources in the development of a Salmon Recovery video series as a new chapter of the Watershed Report and as primary source material for science and civics curricula in the 13 school districts in WRIA 8.	Tier 1	Hydrology, Water and Sediment Quality, Floodplain Connectivity, Riparian Vegetation, Sediment Processes, Shoreline Complexity, Passage																		
Habitat Protection	Innovative approaches to stormwater and shoreline management	Examples of programs: Green Shorelines C729/C730, I730, C030/C033, I056/N051/N057: Outreach to encourage lakeshore restoration. Activities could include workshops, media campaign, permitting or financial incentives, technical assistance, lakeshore design criteria, or demonstration projects. Technical assistance for stormwater pollution abatement	Tier 1	"				Chinook			*Staffing, materials, and mix of other resources*	*$268,000*	*Staffing, materials, and mix of other resources*	*$268,000*	*Staffing, materials, and mix of other resources*	*$268,000*	*Ongoing*	*Multiple stakeholders and WRIA 8*	*$804,000*	*$402,000*	*Local govt and other sources*	
Habitat Protection	Increase Best Management Practices (BMPs)	Examples of Programs: Septic tank maintenance. Encourage commercial car wash and alternatives for charity car washes, and car maintenance .	Tier 1	"				Chinook			*Staffing, materials, and mix of other resources*	*$181,000*	*Staffing, materials, and mix of other resources*	*$181,000*	*Staffing, materials, and mix of other resources*	*$181,000*	*Ongoing*	*Multiple stakeholders and WRIA 8*	*$543,000*	*$363,000*	*Local govts and other sources*	

Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon-dary Species Benefit-ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget	Year 2 Activity to be funded	Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Project ID
Habitat Protection	Support existing regulations that benefit salmon	No examples proposed	Tier 1	"				Chinook			*Staffing, materials, and mix of other resources*	*$453,000*	*Staffing, materials, and mix of other resources*	*$453,000*	*Staffing, materials, and mix of other resources*	*$453,000*	*Ongoing*	*Multiple stakeholders and WRIA 8*	*$1,359,000*	*$903,750*	*Local govts and other sources*	
Outreach and education	Outreach and education		Tier 1	"				Chinook			*Staffing, materials, and mix of other resources*	*$1,905,000*	*Staffing, materials, and mix of other resources*	*$1,905,000*	*Staffing, materials, and mix of other resources*	*$1,905,000*	*Ongoing*	*Multiple stakeholders and WRIA 8*	*$5,715,000*	*$476,250*	*Local govts and other sources*	
Sub-total - Non-capital needs for Programmatic Recommendations												*$5,034,000*		*$5,034,000*		*$5,034,000*			*$15,109,000*	*$3,147,750*		
Monitoring																						
Monitoring	Evaluating Cumulative Effectiveness	Evaluating Cumulative Effectiveness of Actions (Habitat)	All		Chapter 6 Volume I WRIA 8 Plan			Chinook			Staffing, site selection/ reconnaissance and materials, field	$200,000	Staffing, data acquisition and materials, field work, reporting	$150,000	Staffing, data acquisition and materials, field work, reporting	$150,000	Ongoing	Multiple stakeholders	$500,000	$300,000	Local govts	
Monitoring	Stock Monitoring Support	Stock monitoring support (Fish In/Out)	All		Chapter 6 Volume I WRIA 8 Plan			Chinook			Spawner surveys, smolt trapping, PIT-tagging, snorkel	$461,034	Spawner surveys, smolt trapping, PIT-tagging, snorkel	$461,034	Spawner surveys, smolt trapping, PIT-tagging, snorkel	$461,034	Ongoing	Multiple stakeholders	$1,383,102	$1,081,305	Local govts, WDFW	
Monitoring	Project Effectiveness	Evaluate projects to determine the benefit to Chinook of specific features of restoration projects	All		Chapter 6 Volume I WRIA 8 Plan			Chinook			Staffing, site selection/ reconnaissance and materials, field work, reporting	$600,000	Staffing, site selection/ reconnaissance and materials, field work, reporting	$600,000	Staffing, site selection/ reconnaissance and materials, field work, reporting	$600,000	Ongoing	Multiple stakeholders	$1,800,000	$600,000	Local govts, WDFW	
Sub-total - Non-capital needs for Monitoring												*$1,261,034*		*$1,211,034*		*$1,211,034*			*$3,683,102*	*$1,981,305*		
Total Non-Capital Need											***Total year 1 need***	***$6,295,034***	***Total year 2 need***	***$6,245,034***	***Total year 3 need***	***$6,245,034***		***Total Programmatic non-capital need***	***$18,792,102***	***$5,129,055***		
			* In the recent past, WRIA 8 received $60,000/year for lead entity coordination. The $75,000 figure is an estimate received from Evergreen Funding.																			
Priority projects and programs benefitting non-listed species																						
Restoration	Lake Sammamish tributary delta improvements (Project Number TBD)	Improve natural delta formation processes along stream tributaries to Lake Sammamish to improve habitat for juvenile Chinook as well as Kokanee salmon. Projects (A,B,C) were investigated for maximum Chinook and Kokanee benefits and feasibility and approved by Kokanee Work Group in 2010: • A) Lewis Creek Delta Restoration and Upstream Sediment Stabilization; • B) Zaccuse Creek Trail Culvert Removal; • C) Laughing Jacobs Creek: Sammamish State Park Channel Re-route	Tier 1	A) fish passage barrier; non-natal stream mouth and shoreline rearing areas (juvenile Chinook). B) fish passage barrier (kokanee). C) kokanee spawning habitat - substrate, instream habitat complexity and riparian cover; Chinook shoreline and non-natal stream rearing area.	Tabor…; AMEC 2011	kokanee spawning habitat; Chinook rearing habitat		kokanee, Chinook	coho, cutthroat	Conceptual designs completed by AMEC for Kokanee Work Group								A) City of Sammamish; B) City of Sammamish; C) WA State Parks				TBD A,B,C
Acquisition/ Restoration	Ebright Creek Enhancement and Acquisition (new for 2011: I310A and I310B)	Ebright Creek: Enhance mouth and protect lower reaches of Ebright Creek on East shore of Lake Sammamish. If property on lower reaches of creek is acquired there could be educational outreach opportunities on the site. (I-310) Description to include I310A Ebright Creek Wetland Enhancement and I310B Ebright Creek Fish Passage Restoration (NOTE: Projects considered by WRIA 8 Technical Committee to have benefits to juvenile Chinook at creek mouth	**Tier 1**	Loss of Habitat, Reduced Habitat Capacity	Chapter 9 Volume 1 WRIA 8 Plan	Riparian, Instream	Activity Type WRIA 8: Restore Creek Mouths/Pocket Estuaries (1)	Chinook		Feasibility Pending			Acquisition	$ 300,000			2010	City of Sammamish	$ 300,000	$ 150,000	Local Governments	I310A; I310B

Three-Year Watershed Implementation Priorities - Puget Sound Salmon Recovery Plan

WRIA 9 Habitat Work Schedule for Green/Duwamish and Central Puget Sound Watershed

													2013		2014		2015		
Project Name	Priority Tier	Project Description	Likely sponsor	Total cost of first three years/phases	Local Share	SRFB/PSAR	Source of Funds	Primary Limiting Factors	Habitat Type	Activity Type	Primary Species	Secondary Species	Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost	Likely end date
Capital Projects																			
Duwamish Subwatershed: Enlarge Duwamish estuarine transition zone habitat by expanding shallow water and slow water areas, and expand/enhance the estuary, particularly vegetated shallow subtidal and intertidal																			
North Wind's Weir (Project, DUW-10) COMPLETED!	1	Shallow Water Habitat Rehabilitation at RM 6.3: Create two acres of off-channel, shallow water habitat in the transition zone	King County	$3,200,000	$1,974,000	$950,000 (2007)	King County $325,000; US ACOE $1,600,000; KCD $325,000	Reduced habitat capacity. Competition with Hatchery origin juveniles.	Transitions zone estuary.	Shallow water habitat restoration.	Chinook	Steelhead, Bull trout, Orca	Monitoring	$20,000	Monitoring	$20,000	Monitoring	$20,000	2014
Duwamish Gardens Shallow Water Habitat Creation at RM 7.0 Project DUW-7) Acquisition Completed!	1	Acquire land within transition zone in order to create shallow-water habitat.	Tukwila	$2,846,000	$1,000,000	$1,500,000		Reduced habitat capacity. Competition with Hatchery origin juveniles.	Transitions zone estuary.	Shallow water habitat restoration.	Chinook	Steelhead, Bull trout, Orca							
Duwamish Gardens Shallow Water Habitat Creation at RM 7.0 Project DUW-7) Restoration in design phase; final design expected Fall 2012	1	Restore estuarine transition zone habitat to provide critical habitat for juvenile salmon in the Duwamish Transition Zone.	Tukwila	$3,300,000	$150,000	$1,000,000	SRFB 2010 $197299; KCD $150,000 (2010),	Reduced habitat capacity. Competition with Hatchery origin juveniles.	Transitions zone estuary.	Shallow water habitat restoration.	Chinook	Steelhead, Bull trout, Orca	Permitting		Construction	$3,300,000	Construction / Revegetation	$0	2015
Duwamish Revegetation(Program WW-5)	1	Plant native trees in the riparian zone/floodplain of the Green River and Soos Creek	King County	$150,000	$150,000(Project had been proposed for 2011 KCD funding)	$0	$150,000	Loss of Habitat	Riparian	Riparian	Chinook	Steelhead	Construction (revegetation)	$200,000	Construction (revegetation)	$0	Construction (revegetation)	$0	2015
Subtotals				$9,496,000	$3,124,000									$220,000		$3,320,000		$20,000	
Lower Green River Subwatershed: Protect/restore refuge, habitat complexity and connectivity for juvenile salmon over range of flow conditions and variety of locations. VSP perameters for this subwatershed focus on																			
Riverside Estates Levee Setback Project (LG-1) - (Reddington Levee)	1	Levee setback, revegetation, benching, LWD.	King County Flood Control District (KCFCD)	$3,038,983	$3,038,983	$0	KCFCD	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Construction	$290,268	Construction	$2,748,715			2014
Riverview Park Restoration (Project LG-7) UNDER CONSTRUCTION	1	Provide summer rearing habitat and high flow winter refuge through excavation of an off-channel area combined with placement of large woody debris and revegetation.	Kent	$7,613,571	Kent ($1,696,742)	$150,000 (2006); 500,000 (2009);	ACOE ($4,500,000) KCD ($840,000), Kent (1,696,742)	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Monitoring	Funded	Monitoring	$0	Monitoring & Adaptive Management	$20,000	2015
Downey Farmstead Restoration Project (formerly Lower Green River Acquisition) (Project LG-7) ACQUSITION COMPLETE	1	Acquire three properties immediately upstream of the Mullen Slough confluence and demolish buildings on one. A feasibility study will determine options for modifying Frager Road, reconnection of the upland to the river, and restoration of riparian habitat.	Kent	$1,205,085	$230,000	$975,085 (2003)	Kent $180,000; King County $25,000; Green River Flood Control Zone District $25,000	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca							
Lower Green Acquisition (Downey Farmstead) (Project LG-7)-DESIGN AND CONSTRUCTION	1	The current conceptual design for this project is to excavate a perennial side channel connected to the Green River mainstem at both ends. This concept would require Frager Road S to be relocated to a location adjacent to SR 516. The channel would contain contain anchored large wood installations in the wetted channel. Stream banks would be shaped to create a stable angle of repose and be planted with native vegetation.	Kent	$5,400,000	$810,000	$4,750,000	Green River Flood Control District, King Conservation District, City of Kent, King County	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Final design and permitting	Funded	Construction	$4,750,000	Construction/ Revegetation		2015
Mill Creek Floodplain Wetland and Off-Channel Habitat Rehabilitation (Project LG-7) - Leber Property - DESIGN AND CONSTRUCTION	2	Restore lower 0.3 miles of Mill Creek and adjacent segments of currently armored riverbank.	Kent	$3,000,000		$100,000 (2006), $200,000 (proposed 2010)	APPROVED: CFT: $100,000 (2005 or 2006); City of Kent: $100,000 (2005 or 2006)	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Complete Design & Permitting	$0	Construction	$3,500,000			2014
Teufel/Rosso Nursery Off-Channel Rehabilitation and Riparian Restoration Between RM 20.8 and 20 (LG-9) - ACQUISITION	1	Acquire property and rehabitate habitat by constructing an outlet at RM 20.1. Actions would include removing fill, excavating off-channel flood refugiaum for juvenile rearing habitat ,a nd planting native wetland and riparian vegetation.	KCFCD,	$3,500,000	KCFCD, CFT/Parks Levee,		KCFCD	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Instream		Chinook	Steelhead, Bull Trout,Orca							

Three-Year Watershed Implementation Priorities - Puget Sound Salmon Recovery Plan

WRIA 9 Habitat Work Schedule for Green/Duwamish and Central Puget Sound Watershed

													2013		2014		2015		
Project Name	Priority Tier	Project Description	Likely sponsor	Total cost of first three years/phases	Local Share	SRFB/PSAR	Source of Funds	Primary Limiting Factors	Habitat Type	Activity Type	Primary Species	Secondary Species	Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost	Likely end date
Capital Projects																			
Teufel/Rosso Nursery Off-Channel Rehabilitation and Riparian Restoration Between RM 20.8 and 20 (LG-9) - RESTORATION	1	Acquire property and rehabitate habitat by constructing an outlet at RM 20.1. Actions would include removing fill, excavating off-channel flood refugiaum for juvenile rearing habitat ,a nd planting native wetland and riparian vegetation.	KCFCD,	$2,500,000	KCFCZD, King Conservation District		KCFCD	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Instream		Chinook	Steelhead, Bull Trout,Orca	Design	$300,000	Design		Construction	$2,000,000	2013
Mainstem Maintenance (Project LG-10) - Boeing Levee Setback-	1	Boeing Levee Setback and Restoration between RM 18 and 17.1 to enable extensive habitat rehabilitation.	Kent & King County	$12,000,000	$4,000,000	$8,000,000	GRFCZD, KCD, Kent, ACOE	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Instream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Construction	$12,000,000	Complete Construction/Monitoring	$50,000			2016
Desimone Levee (Project LG-13) -	1	Levee setback, revegetation, benching, LWD.	King County	$2,844,256			KCFCD	Altered stream flow, channel structure& complexity, riparian areas, LWD.	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Design	$80,607	Engineering, design, permitting.	$898,673	Construction	$1,864,976	2015
Subtotals				**$11,518,586**	**$3,781,256**	**$1,225,085**								**$12,380,607**		**$9,198,673**		**$3,884,976**	
Nearshore Subwatershed: Protect, restore, or rehabilitate: sediment transport processes by reconnecting sediment sources and removing shoreline																			
Pier 90 Shallow Water Habitat Rehabilitation (NS-1)	**1**	Protect and expand that area of shallow water habitat. The land comprising shoreline east of Pier 90 would need to be purchases. The riprap and fill would be moved in order to create additional shallow water habitat and the shoreline planted with riparian vegetation.	City of Seattle	$2,500,000				Loss of habitat,	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Feasibility, Technical Design	$500,000	Design and permitting	$750,000	Construction	1,250,000	2015
Myrtle Edwards Park Small Pocket Beaches/Shallow Water Habitat Rehabilitation (NS-2)	**1**	Create pocket beaches in Myrtle Edwards Park on Elliott Bay in Seattle. Riprap armoring would be removed and the slopes would be graded back to create natural slopes. Pocket beaches have a mix of sediments placed on thesm. Riparian area would be planted with native vegetation. A shallow water bench may also be constructed.	City of Seattle	$6,000,000				Loss of habitat,	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Feasibility, Technical Design	$500,000	Design and permitting	$750,000	Construction	$4,000,000	2015
Elliott Bay Shoreline Enhancements(Project NS-4) -	**1**	Create shallow water habitat benches and fish friendly structures along the waterfront, install a shoreline beach. This would open up a migration corridor and increase the amount of shallow water are for juvenile Chinook foraging.		$56,000,000	unknown	unknown	unknown	Loss of habitat	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Design and Pre-Construction Monitoring	$5,600,000	Construction	$500,000,000	Construction/Monitoring		
Beaconsfield-On-The-Sound (project NS-11) - Acquisition	**1**	Purchase and restore one of the last major privately-held undeveloped feeder bluffs along the mainland marine shoreline.	Normandy Park	$500,000	$70,500	$50,873 (2005-2006); $100,000 (2006), $380,739 (2007)	Cascade Land Conservancy $2,977 (2005), KCD $64,500 (2006); Normandy Park $6,000 (2005), CFT (2008 submitted)	Loss of habitat,	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Feasibility, Technical Design	$100,000	Acquisition	$150,000	Construction	$250,000	
Piner Point Restoration Bulkhead Removal (Project NS-17) - Restoration	**1**	Remove creosote bulkhead,	King County	$243,894	$243,894	0	King Conservation District $180,000 (2010) and King County (63,894)	Loss of habitat,	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish							
Dockton Heights- Restoration -	**3**			$490,000	490,000	0	Dalco Oil Spill Mitigation Funding	Loss of habitat,	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Design		Construction		Construction		

Three-Year Watershed Implementation Priorities - Puget Sound Salmon Recovery Plan

WRIA 9 Habitat Work Schedule for Green/Duwamish and Central Puget Sound Watershed

													2013		2014		2015		
Project Name	Priority Tier	Project Description	Likely sponsor	Total cost of first three years/phases	Local Share	SRFB/PSAR	Source of Funds	Primary Limiting Factors	Habitat Type	Activity Type	Primary Species	Secondary Species	Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost	Likely end date
Capital Projects																			
Maury Island Gravel Pit Acquisition (NS-17) - completed!	1			$39,000,000	19,000,000	0	$19,000,000 Conservation Futures, $18,000,000 WA ASARCO settlement, $2,000,000 private donors	Loss of habitat,	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish							
Maury Island Fill Removal (NS-20) - (remnant dock footing)	2			$150,000	80,000		$80,000 SWM	Loss of habitat,	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish			Design and permitting	$80,000	Construction	$200,000	2016
Burien Seahurst Park Shoreline Restoration, Phase II (Project NS-5) - CONSTRUCTION TO BEGIN OCTOBER 2012 with utility and fish ladder relocation, opening a 500ft section of seawall, removing several hundred feet of rip rap from the beaches, restores the beaches with the gravels and sand, and creates the marsh. Additional Corps funding will be needed to complete remaining portion of project.	1	Continue shoreline restoration actions conducted in southern portion of Seahurst Park in Burien by removing a portion of shoreline armoring in the central area of the park, restoring natural beach slopes, and adding riparian vegetation.	Burien	$5,675,000	$4,225,000	$750,000 (2010)	KCD ($510,000), ESRP ($700,000), SRFB 2009 ($750,000), USACE ($3715,000)	Loss of habitat,	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Construction	$2,000,000	Construction	$3,000,000	Monitoring	$100,000	Construction complete in 2014, monitoring complete in 2017
Point Robinson Estuary Restoration	1	Sallt Marsh Reconnection and Improvements	King County	$500,000				Loss of habitat,	Estuary and salt marsh	Nearshore.	Chinook	Orca, forage fish	Design and Pre-Construction Monitoring	$100,000	Construction	$400,000	Monitoring		2015
Cove Creek - Restoration (NS-7)	1	Fish blockage removal and pocket estuary restoration. Project would restore the mouth of Cove Creek and move the stream crossing upstream. The northern half of the bulkhead would be removed and stream mouth area replanted.	King County	$487,000.17				Loss of habitat,	Estuary and fish blockage removal	Nearshore.	Chinook	Orca, forage fish	Design and Pre-Construction Monitoring	$100,000	Construction	$387,000.17	Monitoring		
Cross Landing Estuary (NS-17)	1	Restoration of the pocket estuary is dependent upon acqusition.	King County	$500,000.00				Loss of habitat,	Estuary and fish blockage removal	Nearshore.	Chinook	Orca, forage fish	Acquisition (see separate project below)		Design and permitting	$100,000.00	Construction (revegetation)	$400,000	
Raab's Lagoon Restoration - Pocket Estuary Restoration (plant shoreline) (NS-17)	2	Revegetation	King County	$100,000	$0	$0	King County SWM ($100,000)	Loss of habitat	Nearshore estuary	Nearshore.	Chinook	Orca, forage fish	Construction (revegetation 2011 and 2012)	$100,000	Monitoring and Maintenance		Monitoring and Maintenance		
McSorley Creek at Saltwater State Park - Design (NS-15)	2	Removal of nearshore armoring, enhance fish passage																	
Maury Island Marine Park (NS-17)	2	Invasive Removal and Revegetation.		$1,200,000			King County SWM ($1,200,000)												
Maury Island Revegetation	2	Revegetation at Glacier Pit.		$500,000			King County SWM ($10,000)	Loss of habitat	Nearshore estuary and riparian	Nearshore.	Chinook	Orca, forage fish	(revegetation 2011 and 2012)	$30,000	Construction (revegetation)	$40,000	Construction (revegetation)	$100,000	
Marine Nearshore Acquisition Projects																	Weed removal and revegetation	COST	
Beaconsfield on the Sound (Project NS -11) - ACQUISITION	1	Protect sites with high habitat resource values - Southwest Drift Cell - South Shoreline	Normandy Park	$1,100,000				Loss of habitat,	Nearshore beach.	Acquisition	Chinook	Orca, forage fish	Feasbility	$125,000	Acquisition	$2,000,000	Acquisition	$4,500,000	2014
Functioning Nearshore Habitat Protection on Vashon/Maury Island-Inspiration Pt. **(Project NS-17) (inholdings)**	2	Protect sites with high habitat resource values - Inspiration Pt.	King County	$500,000			Conservation Futures, NOAA	Loss of habitat,	Nearshore beach.	Land acquired	Chinook	Orca, forage fish	Acquisition						2008
Functioning Nearshore Habitat Protection on Vashon/Maury Island-Neill Pt. **(Project NS-17)**	2	Protect sites with high habitat resource values - Neill Pt.	King County	$500,000			Conservation Futures, NOAA	Loss of habitat	Nearshore beach.	Land acquired	Chinook	Orca, forage fish	Acquisition						
Functioning Nearshore Habitat Protection on Vashon/Maury Island-Rabb's Lagoon **(Project NS-17)**	3	Protect sites with high habitat resource values - Rabb's Lagoon	King County	$100,000	unknown	unknown	Conservation Futures, NOAA	Loss of habitat	Nearshore beach.	Land acquired	Chinook	Orca, forage fish	Acquisition						
Functioning Nearshore Habitat Protection on Vashon/Maury Island-Piner Pt. **(Project NS-17) Acquisition Completed!**	2	Protect sites with high habitat resource values - Piner Pt.	King County				SRFB	Loss of habitat	Nearshore beach.	Land acquired	Chinook	Orca, forage fish	Acquisition						

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Project Name	Priority Tier	Project Description	Likely sponsor	Total cost of first three years/phases	Local Share	SRFB/PSAR	Source of Funds	Primary Limiting Factors	Habitat Type	Activity Type	Primary Species	Secondary Species	Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost	Likely end date
Capital Projects																			
Functioning Nearshore Habitat Protection on Vashon/Maury Island-NorthIlla **(Project NS-17) - put down as active, seeking Asarco funding**	**2**	Protect sites with high habitat resource values - NorthIlla	King County	$1,100,000			Conservation Futures, NOAA	Loss of habitat	Nearshore beach.	Land acquired	Chinook	Orca, forage fish	Acquisition						
Functioning Nearshore Habitat Protection on Vashon/Maury Island- Pt. Heyer **(Project NS-17) -**	**1**	Protect sites with high habitat resource values - Pt. Heyer Drift Cell	King County	$10,000,000	$2,450,000	$360,000	KC SWM; CFT (2008, submitted); RCO ALEA (2008 , 2010 submitted; KC Park Levy (2008, 2010 submitted)	Loss of habitat,	Nearshore beach.	Land acquired	Chinook	Orca	Acquisition	$1,500,000	Acquisition	$1,500,000	Acquisition	$1,500,000	
Cross Landing - Acquisition (NS-17) -	**2**	Protect sites with high habitat resource values	King County	$1,000,000	$800,000	$0	Conservation Futures and Parks Levy	Loss of habitat,	Nearshore beach.	Land acquired	Chinook	Orca					Acquisition	$1,000,000	
Subtotals				**$4,636,000**	**$220,500**	**$531,612**								**$10,655,000**		**$505,657,000**		**$6,300,000**	
Middle Green River Reach (Projects MG 12, MG-13, MG-14, MG-15, MG-16) -	**1**	Reconnect floodplain area of the Green River allowing natural processes to be re-established including the creation of side-channel habitat and the revegetation of riparian areas.	King County																
Porter Levee Setback and Floodplain Reconnection (Project MG-17) - DESIGN AND PERMITTING. Project is funded to 30% design, additional funding will be sought in 2013/2014 for final design	**1**	Remove (modify) existing levee to facilitate river connection to floodplain. LWD placement and riparian revegetation would be included	King County	$650,000		$200,000 (2011)	$1,000,000 KCD; $500,000 SWM	Loss of Habitat	Floodplain, riparian	Riparian, intream flow	Chinook	Steelhead	Design & Permitting	$200,000	Design & Permitting	$450,000			2014
Porter Levee Setback and Floodplain Reconnection (Project MG-17) - CONSTRUCTION	**1**	Remove (modify) existing levee to facilitate river connection to floodplain. LWD placement and riparian revegetation would be included	King County	$2,400,000		$200,000 (2011)	$1,000,000 KCD; $500,000 SWM	Loss of Habitat	Floodplain, riparian	Riparian, intream flow	Chinook	Steelhead				$1,000,000	Construction	$2,400,000	2014
Newaukum Creek Mouth Restoration Between Creek Miles 0.0 and 4.3 (Project MG-8) - Completed!	**1**	Place large woody debris and plant native trees along the lower 4.3 miles of the creek, and reconfigure the lower 1,800 feet of the creek near the mouth.	King County	$1,175,000		$788,581 (2004)	King County, ACOE	Riparian areas and LWD recruitment	Intream, riparian	Riparian, intream flow	Chinook	Steelhead, bull trout	Design & Permitting	$100,000	Construction	$1,075,000	Monitoring/Adaptive Management		
Newaukum Creek Restoration Between Creek Miles 0.0 and 14.3 - Both Banks (Project MG-6)		Restore process-based ecological funtions that include wetland and riparian restoration along Newaukum Creek (Enumclaw Plateau).	King County	$300,000			$200,000 KCD; $100,000 SWM	Loss of Habitat	Riparian	Riparian, intream flow	Chinook	Steelhed	Construction	$100,000	Construction	$100,000	Construction	$100,000	Ongoing
Middle Green Riparian Revegetation(Program WW-5)		Plant native trees in the riparian zone/floodplain of the Green River and Soos Creek	King County	$200,000			$200,000; SWM $50,000	Riparian areas and LWD recruitment	Riparian	Riparian	Chinook	Steelhead	Construction	$150,000	Construction	$150,000	Construction	$150,000	Ongoing
Setback and Removal Pautzke Levees to Reconnect the Floodplain and Allow Channel Migration near RM 32(Project MG-18) Completed!	**1**	Fenster Levee Phase IA - Remove levees, lower the elevation of terraces and construct engineered logjams to reinstate floodplain connectivity and channel migration.	Auburn, King County	$1,400,000		$675,900 (2005-2006)	Green River Flood Control Zone District $90,000; City of Auburn $33,000	Channel structure/complexity.	Intream, riparian	Riparian, intream flow	Chinook	Steelhead, bull trout	Construction	$1,225,000	Monitoring/Adaptive Management	$75,000	Monitoring/Adaptive Management	$75,000	2008

Three-Year Watershed Implementation Priorities - Puget Sound Salmon Recovery Plan

WRIA 9 Habitat Work Schedule for Green/Duwamish and Central Puget Sound Watershed

													2013		2014		2015		
Project Name	Priority Tier	Project Description	Likely sponsor	Total cost of first three years/phases	Local Share	SRFB/PSAR	Source of Funds	Primary Limiting Factors	Habitat Type	Activity Type	Primary Species	Secondary Species	Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost	Likely end date
Capital Projects																			
Setback and Removal of Fenster Levees _Phase 1 to Reconnect the Floodplain and Allow Channel Migration near RM 32 (Project MG-18) Construction completed!	**1**	Pautzke Levee - Remove levees, lower the elevation of terraces and construct engineered logjams to reinstate floodplain connectivity and channel migration. Phases A - E.	King County	$3,500,000				Channel structure/complexity.	Intream, riparian	Riparian, intream flow	Chinook	Steelhead, bull trout			Design & Permitting	$100,000	Construction	$3,400,000	
Setback and Removal of Fenster Levees _Phase 2 to Reconnect the Floodplain and Allow Channel Migration near RM 32(Project MG-18) Currently in design Construction planned for 2013	**1**	Fenster Levee Phase IB - Remove levees, lower the elevation of terraces and construct engineered logjams to reinstate floodplain connectivity and channel migration.	Auburn, King County	$600,000 - $800,000		$250,000 (2007)		Channel structure/complexity.	Intream, riparian	Riparian, intream flow	Chinook	Steelhead, bull trout			Design & Permitting	$150,000	Construction	$650,000	2010
Big Spring Creek Acquisition (Project MG-7) - Completed	**1**		King County	$2,115,000				Stream flow patterns. High H2O temperature.	Intream, riparian	Water quality	Chinook	Coho							
Big Spring Creek Restoration (Project MG-7)	**1**	Construct new stream channel to replace ditch. Connect coldwater springs to Newaukum Creek.	King County	$4,079,728	$4,019,728	$60,000	KCD:	Stream flow patterns. High H2O temperature.	Intream, riparian	Water quality	Chinook	Coho	Construction	$1,973,000	Construction	$785,000	Construction	$285,000	2014
Subtotals				**$20,520,000**															
Totals				**$39,924,586**															
Non Capital Programs-Not Prioritized																			
Lead entity coordination			Lead entity	$225,000									Staffing (1 FTE)	$75,000	Staffing (1 FTE)	$75,000	Staffing (1 FTE)	$75,000	Ongoing
Adaptive management and monitoring			Multiple stakeholders	$600,000									Staffing (3 FTEs)	$200,000	Staffing (3 FTEs)	$200,000	Staffing (3 FTEs)	$200,000	Ongoing
Nearshore Habitat Workshop			King County	$35,000															
Seahurst Environmental Learning Center (annual basis)			City of Burien and Environmental Science Center	$30,000															
Create incentives Program to Remove Failing Septic Systems on Vashon/Maury Island			King County																
Project Management and Public Outreach			WRIA Staff																
Stewardship & Educational Outreach			WRIA Staff																
Water Conservation Incentive Programs			Multiple stakeholders																
Work with jurisdictions and Department of Ecology to support a Shorelines Exemption for properties affected by salmon habitat restoration projects that would relocate the location of the ordinary high water mark.			Multiple stakeholders																
Promote Planting of Native Trees - Soos Creek and Tributaries Knotweed and Ripairan Habitat Revegetation, Mainstem River (RM 59-RM?) Knotweed Removal and Riparian Habitat Revegetation		Removal knotweed and revegetation using native trees within riparian buffer.	Multiple stakeholders																
Develop a Coordinated Acquisition Program for Natural Areas			King County																
Increase/Expand Natural Yard Care Programs			Multiple stakeholders																
Conduct Shoreline Stewardship Workshops and Outreach - Beach/Bluff Educational Programs, including HPA education to agency staff and citizens.			Multiple stakeholders																
Create Soft Armoring Tech Assist/Cost Share			King County																
Citizen Volunteer Forage Fish Monitoring Program			Multiple stakeholders																
Promote Better Volunteer Carwash Practices			Multiple stakeholders																

CAVEAT: Subwatersheds listed in order of priority. Projects prioritized 1 through 3.

Three-Year Watershed Implementation Priorities - Puget Sound Salmon Recovery Plan

WRIA 9 Habitat Work Schedule for Green/Duwamish and Central Puget Sound Watershed

													2013		2014		2015		
Project Name	Priority Tier	Project Description	Likely sponsor	Total cost of first three years/phases	Local Share	SRFB/PSAR	Source of Funds	Primary Limiting Factors	Habitat Type	Activity Type	Primary Species	Secondary Species	Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost	Likely end date
Capital Projects																			
Increase Public Awareness about What Healthy Streams and Rivers Look Like and How to Enjoy Recreating on Them			Multiple stakeholders																
Expand/Improve Incentives Programs			Multiple stakeholders																
Increase Use of Low Impact Development and Porous Concrete			Multiple stakeholders																
Develop Salmon Restoration Tools Consistent with Agricultural Land Uses			Multiple stakeholders																
Work with Co-Managers to integrate Hatchery & Harvest Practices with Habitat Plan Objectives			Multiple stakeholders																
Olympic sculpture park post construction monitoring in years 1 (2007), 2, 3 and 5.			City of Seattle	$77,000 WDFW grant, SRFB, KCD															
Water supply coordination per DOE/EPA Watershed assistance grant			Multiple stakeholders	$50,000															

Legend:

Completed projects

New Projects added to this year's workplan

Active Projects - actively acquiring parcels, in design or construction

CAVEAT: Subwatersheds listed in order of priority. Projects prioritized 1 through 3.

WRIA 10 12 – Puyallup-White and Chambers-Clover Creek Watersheds

Plan Category	Project Name	Project Summary	Priority tier of project	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	Year 2012 Activity to be Funded	Year 2012 Estimated Budget	Year 2013 Activity to be Funded	Year 2013 Estimated Budget	Year 2014 Activity to be Funded	Year 2014 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other	Project ID
Restoration Projects	Calistoga Setback Levee – Construction	The Calistoga Setback Levee would be located on the right bank of the Puyallup River and extend approximately 6,500 feet from River Mile 20.0 to the Calistoga Street West bridge in Orting (approximate River Mile 21.2). The area of the site is approximately 2,320,000 square feet with 77 percent of the site being located in the severe channel migration zone. Improvements would include constructing the setback levee, deconstructing the existing levee, and constructing applicable left bank and downstream improvements. Reconnecting a wetland stream that currently flows underneath the Calistoga Bridge to provide a water source for off-channel habitat in the setback is also a key component of the project. The Cit is working on final design and permitting, and has submitted offers to the two remaining property owners for land acquisition.		Degraded Habitat-Floodplain Connectivity and Function		Instream, Riparian, Wetland		Chinook	Bull Trout, Coho, Cutthroat, Steelhead	Feasibility Pending							12/31/2012	City of Orting	$10,000,000		SRFB - Salmon Recovery Funding Board, City of Orting	10-LowPuy-09
Restoration Projects	Deer Creek Channel Restoration	The Deer Creek Restoration will restore 750 feet of this now ditch and culvert orientated creek to a natural, meandering stream channel. The stream restoration is part of a larger project that includes design and construction of a wet-season stormwater facility that will function as soccer fields during the dry season. The stormwater facility portion of the project will serve to provide flood storage, allowing the creek to flood during storm events, and reducing localized downstream flooding while also creating a seasonal recreation facility for our community. In addition, this project will also serve as an outreach and education opportunity to educate the public on proper care and restoration of water ways and riparian areas through community riparian planting events throughout the project area.		Unknown		Instream	Activity Type - Instream Habitat: Channel reconfiguration and connectivity: miles (0.14 Miles), Activity Type - Instream Habitat - Washington: Channel reconfiguration and connectivity (750.00 Feet), Activity Type - Riparian Habitat: Planting (1.40 Acres)	Coho	Coho	Conceptual							12/31/2013	City of Puyallup				11-Deer-10
Restoration Projects	Meeker Creek Riparian and Stream Restoration	The Meeker Creek Riparian and Stream Restoration Project will remove 1,000 linear feet of the 4,385-foot Meeker Creek on City-owner property from the trapezoidal ditch and place it in a natural, meandering stream channel. This project will also restore over 100,000 ft2 of riparian area while creating floodplain storage, and allow for natural expansion of an existing, adjacent wetland.		Unknown		Riparian, Instream	Activity Type - Instream Habitat: Channel reconfiguration and connectivity: miles (0.19 Miles), Activity Type - Instream Habitat - Washington: Channel reconfiguration and connectivity (1000.00 Feet), Activity Type - Riparian Habitat: Planting (2.30 Acres)	Chinook, Chum	Coho, Pink, Steelhead	Proposed, Land Acquisition Completed							6/30/2014	City of Puyallup			Washington Department of Ecology (DOE), City of Puyallup	11-Meeker-10
Restoration Projects	Salmon Creek Culvert Replacement	The City of Sumner has plans to replace existing culverts along Salmon Creek with structures that are continuously capable of managing the volume and flow rates of the creek. Progress to remove all fish barriers from Salmon Creek began with the replacement of the first two culverts proceeding upstream from the White River in 2009. The next segment of the overall plan will focus on enhancing aquatic environment and eliminating periodic flooding at two culvert locations known as Parker Road and Sumner Watershed Culvert. Parker Road Culvert will alleviate surcharge in Salmon Creek by replacing an existing 28-foot-long 36-inch-diameter concrete culvert with 25 feet of 10-foot-wide by 5-foodsteep culvert. This project is also set to rebuild the section of road in the area of theculvert. Sumner Watershed Culver consists of replacing an existing 21-foot-long, 54-inchdiameter CMP (Corrugated Metal Pipe) with 25-feet of a 10-foot-wide by 5-foot deep culvert. After the installation of the culvert, the access road shall be re-conditioned as part of this project. A final part to this project, the City of Sumner also plans to restore the creek bank and re-establish...		Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality, Degraded Habitat-Fish Passage		Instream	Activity Type - Fish Passage: Culvert improvements/upgrades (2.00 Number), Activity Type - Instream Habitat: Channel reconfiguration and connectivity: miles (0.72 Miles), Activity Type - Instream Habitat - Washington: Channel reconfiguration and connectivity (3800.00 Feet)	Chinook	Chum, Coho, Pink	Conceptual							12/31/2012	City of Sumner	$631,300		SRFB - Salmon Recovery Funding Board, City of Sumner	10-LowWhite-02
Restoration Projects	Hylebos Creek Nearshore Restoration	NRDA alernative site. Mitigation - Construction of 2 acre restoration area.Located on the Hylebos Creek - tidal influence.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Embayments)	Activity Type - Wetlands: Wetland improvement/enhancement (2.00 Acres), Activity Type - Wetlands - Washington: Upland wetland - wetland restoration (2.00 Acres)	Chinook	Coho	Conceptual							12/31/2011	City of Tacoma, Port of Tacoma	$1,000,000		SRFB - Salmon Recovery Funding Board, City of Tacoma	10-Hylebos-03
Restoration Projects	Hylebos Creek Mouth Restoration	The Hylebos Salt Marsh project seeks to enhance a 2-acre mud flat at the mouth of Hylebos Creek to provide greater habitat for native salmon, forage fish and wildlife. Work will involve re-grading a portion of the mud flats to provide elevation suitable to marsh vegetation and processes, excavation of channel habitat to provide greater fish usage of the site, and revegetation of marsh and riparian habitat with appropriate native vegetation. The site provides a critical opportunity for Hylebos Creek habitat, as it will restore rare habitat essential to salmon restoration - more than 90% of creek's original estuarine marsh habitat has been lost - as well as a host of other species. The restoration work will also benefit from major habitat restoration being planned or previously completed by other entities at adjacent properties.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Embayments)		Chinook	Coho	Conceptual							12/31/2011	Friends of the Hylebos	$100,000		SRFB - Salmon Recovery Funding Board	10-Hylebos-02
Restoration Projects	East Hylebos Ravine Habitat Restoration	Extends the habitat restoration actions just north of the West Milton Nature Preserve (located on the east fork). Stream bank stabilization in the most productive area on the East Fork of the Hylebos.		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian, Instream, Upland		Chinook	Coho	Conceptual							12/31/2011	Friends of the Hylebos	$750,000		SRFB - Salmon Recovery Funding Board	10-Hylebos-05
Restoration Projects	White River Restoration Assessment	Evaluate historic and current reaches of the White River important for salmon habitat and identify 10 priority habitat restoration actions that can be implemented within 10 years.		Unknown		Instream, Riparian		Chinook	Coho, Chum, Bull Trout, Pink, Steelhead	Conceptual							12/31/2015	King County	$75,000			Watershed-03
Restoration Projects	Pacific Right Bank Levee Setback	This project is located on the right bank of the Lower White River in the City of Pacific, between River Mile 5.5 and 6.3. The project will reduce flood risk in a way which restores habitat and habitat forming processes The project will remove over 4100 linear feet of existing revetment and other artificial fill, reconnect the river to a broader portion of its floodplain, build a setback levee to limit the bounds of flood and erosion hazards in this reach, and improve the riparian buffer and wetlands. Initial acquisition of private properties to implement the setback levee project began in 2009 and will continue concurrently through the project design phases. Acquired properties are being converted to and maintained as open space until the final project can be implemented. King County Flood Contol District expenditures on this project to date are $4,915,522. Construction is currently planned to be phased, beginning in 2015 and being completed in 2017.	1	Degraded Habitat-Estuarine and Nearshore Marine, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment		Wetland, Instream, Riparian	Activity Type - Riparian Habitat: Total riparian area treated: streambank treated (0.75 Miles)	Chinook	Bull Trout, Coho, Cutthroat, Pink, Steelhead	Conceptual			Design , Acquisition	Year 2013 Estimated Budget: Estimated Budget (1151907.00 $)	Acquisition , Final Design , Permitting	Year 2014 Estimated Budget: Estimated Budget (4825748.00 $)	12/31/2017	King County DNR & Parks	$20,263,683		SRFB - Salmon Recovery Funding Board, King County Flood Control District	10-White-02
Restoration Projects	TransCanada Levee Modification - Final Design and Construction	The TransCanada Levee Modification Project will modify the TransCanada Levee according to the recommendations in the TransCanada Levee Setback Feasibility Study completed by King County in 2011.	1	Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Channel Structure and Complexity		Instream, Riparian, Wetland, Upland	Activity Type - Riparian Habitat: Total riparian area treated: streambank treated (0.40 Miles)	Chinook	Cutthroat, Coho, Pink, Bull Trout, Steelhead	Feasibility Completed			Design	Year 2013 Estimated Budget: Estimated Budget (100000.00 $)	Final Design , Permitting	Year 2014 Estimated Budget: Estimated Budget (200000.00 $)	12/31/2015	King County DNR & Parks	$3,100,000		SRFB - Salmon Recovery Funding Board, King County DNR & Parks	10-White-04
Restoration Projects	Boise Creek Golf Course Segment Restoration	This project will relocate/restore the channel to its historical stream channel against the south hillside. This will provide habitat elements that foster rapid exploitation by salmonids and maximum stream productivity [i.e., LWD, riparian plantings and use of existing stream side vegetation and mature trees].		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality		Instream, Riparian	Activity Type - Instream Habitat: Channel reconfiguration and connectivity: miles (1.12 Miles), Activity Type - Instream Habitat - Washington: Channel reconfiguration and connectivity (5900.00 Feet)	Chinook, Steelhead	Chum, Cutthroat, Coho, Pink	Feasibility Pending							12/31/2011	King County,	$2,200,000		SRFB - Salmon Recovery Funding Board, King County, City of Enumclaw	10-Boise-01
Restoration Projects	Implement Levee Setback Projects from Levee Setback Feasibility Study	Implement projects from the Levee Setback Feasibility Analysis for the Puyallup River Watershed (this study identified 32 levee setback sites on the Puyallup, Carbon and White Rivers for potential future restoration to reconnect the river to the floodplain).		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Floodplain Connectivity and Function		Instream, Riparian, Upland, Wetland		Chinook	Bull Trout, Coho, Cutthroat, Pink, Steelhead	Conceptual							12/31/2013	King County, Pierce County, City of Orting			SRFB - Salmon Recovery Funding Board	10-Puyallup-01
Restoration Projects	Titlow Estuary Restoration - Construction	This phase of the project will implement the overall project to restore Titlow Lagoon to a connected and productive estuary. Construction efforts include: 1. Replacement of the culvert/tidegate through BNSF railroad with a 40foot-span rail bridge to improve connectivity and fish passage between Titlow Lagoon and Puget Sound. 2. Removal of a 50-meter pool and parking lot infastructure on the footprint of the historic Lagoon/saltwater wetland 3. Expansion of the exisiting lagoon and installation of woody habtiat structure 4. Removal of invasive plants species and restoration of riparian and salt marsh habitat 5. Removal of a house, sea wall, and rip rap bulkhead		Degraded Habitat-Fish Passage, Degraded Habitat-Estuarine and Nearshore Marine		Nearshore (Embayments), Estuary (River Delta), Riparian, Wetland	Activity Type - Fish Passage: Culvert improvements/upgrades (1.00 Number)	Chinook, Chum, Pink	Coho, Pink, Chum	Feasibility Completed							12/31/2011	People for Puget Sound, South Puget Sound SEG, Metro Parks Tacoma	$7,000,000		SRFB - Salmon Recovery Funding Board, Estuary Salmon Restoration Program (ESRP)	12-Marine-11
Restoration Projects	White River Knotweed Control Project Phase 1	The Pierce Conservation District is forming a partnership to collaborate across jurisdictions to remove knotweed. A large outreach campaign to landowners and community members will educate landowners about the dangers knotweed presents to the White River Basin. This partnership is requesting $87,262 in funding for one-year project startup costs. Immediate priorities include completing survey work in the basin, and begin eradicating knotweed found there. The project’s plan is to: (1) Complete surveys in White River and tributaries. (2) Begin eradication of Japanese Knotweed found in the basin, beginning at the furthest upstream occurrence (3) Reestablish native riparian vegetation where necessary (4) Educate residents in target communities about knotweed and other invasives		Biological Processes		Instream, Riparian, Wetland, Upland, Rivers/Streams/Shoreline	Activity Type - Riparian Habitat: Plant removal/control (270.00 Acres)	Bull Trout, Chinook, Chum, Coho, Cutthroat, Pink, Steelhead	Sockeye	Conceptual							12/31/2014	Pierce Co Conservation Dist	$87,262			11-1500
Restoration Projects	South Prairie Creek Knotweed Eradication Phase 2	This project will continue the work that was begun with SRFB project #09-1538 in 2010, by funding eradication of Japanese knotweed in the South Prairie Creek basin. This is Phase 2 of that project. The project fits well within regional recovery plans and the Lead Entity’s strategy, by restoring and protecting riparian habitat in the most important salmon production area of the Puyallup River system. A complete survey of the basin has been conducted and some progress was made on eradication of significant stands, mostly in the upper reaches of the basin. This project will continue an existing strategy and is highly likely to succeed. Project staff will work with a hired crew to eradicate knotweed in previously inventoried areas using the "top-down" method for suppression of knotweed. If this project is not funded the progress made by project #09-1538 will be lost.	2	Degraded Habitat-Riparian Areas and LWD Recruitment	Puyallup-White/Chambers-Clover Chinook Recovery Plan	Riparian, Rivers/Streams/Shoreline, Wetland		Coho	Steelhead	Proposed			Construction , Implementation , Maintenance , Monitoring , Restoration , Field Work , GIS				12/31/2013	Pierce Co Conservation Dist	$65,880		SRFB - Salmon Recovery Funding Board	SPCKnotweed2
Restoration Projects	Update Regional Culvert Study	Re-evaluate the system to check on work done since the original study was completed - function of those removed and make sure there are not any new ones.		Degraded Habitat-Fish Passage		Instream		Chinook	Bull Trout, Chum, Coho, Cutthroat, Pink, Sockeye, Steelhead	Conceptual							12/31/2011	Pierce Co Conservation Dist	$320,000			Watershed-04
Restoration Projects	South Prairie Creek Knotweed Removal	A partnership of the Pierce Conservation District, Pierce County Noxious Weed Control Board, and Pierce County Surface Water Management has formed to collaborate across jurisdictions to remove knotweed. A large outreach campaign to landowners and community members will educate landowners about the dangers knotweed presents to the South Prairie Creek Basin. This partnership is requesting $240,000 in funding for the next three years. Immediate priorities include completing survey work in the basin, and eradicating knotweed found there. The project's plan is to: (1) Complete surveys South Prairie Creek and tributaries. (2) Eradicate all knotweed found in the basin, beginning at the furthest upstream occurrence. (3) Reestablish native riparian vegetation where necessary (4) Educate residents in target communities about knotweed and other invasives		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Water Quality, Degraded Habitat-Riparian Areas and LWD Recruitment		Instream, Riparian	Activity Type - Riparian Habitat: Plant removal/control (400.00 Acres)	Chinook, Steelhead, Chum, Pink, Coho, Cutthroat	Bull Trout	Conceptual							12/31/2013	Pierce Co Conservation Dist, Pierce County	$190,200		SRFB - Salmon Recovery Funding Board, Pierce County,	09-1538

WRIA 10 12 – Puyallup-White and Chambers-Clover Creek Watersheds

Plan Category	Project Name	Project Summary	Priority tier of project	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	Year 2012 Activity to be Funded	Year 2012 Estimated Budget	Year 2013 Activity to be Funded	Year 2013 Estimated Budget	Year 2014 Activity to be Funded	Year 2014 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other	Project ID
Restoration Projects	Puyallup SFork Restoration Phase I Construction	The modified plan includes construction of 1,900 Lin-Ft of the left overbank major side channel at the south end of the South Fork Restoration project site. The overbank channel inlet will begin at about river mile 18.4 left bank side (about 525 Ft upstream of the river channel bend) and confluence in at the river channel near river mile 17.9, left bank side (about 1,600 Ft downstream of the river channel bend). Five major ELJ structures and several large woody debris clusters will be placed along the right and left side of the overban channel for fish habit and channel complexity. The overbank channel will be designed for active sediment and gravel transport through the channel for a 5-yr recurrence flow and greater.		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment		Instream, Upland, Wetland, Riparian	Floodplain Reconnection: Floodplain Reconnection (45.00 Acres)	Chinook	Cutthroat, Coho, Pink, Bull Trout, Steelhead	Conceptual							12/31/2013	Pierce Co Water Programs Div	$1,076,000		SRFB - Salmon Recovery Funding Board	10-LowPuy-08
Restoration Projects	Puyallup River Setback Levee at Fennel Creek - Design	Pierce County is proposing to construct a setback levee or revetment along McCutcheon Rd on the middle Puyallup River at the mouth of Fennel Creek (RM 15.2 to 15.8), in order to reconnect 54 acres of floodplain to the river, and revegetate the floodplain. The project is expected to result in channel migration, sediment and large woody debris transport and deposition, and creation of off-channel habitats.		Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality		Upland, Rivers/Streams/Shoreline, Riparian	Activity Type - Estuarine & Nearshore: Berm or dike removal or modification: acres (54.00 Acres), Activity Type - Instream Habitat: Channel structure placement: miles of stream treated (0.66 Miles), Activity Type - Instream Habitat - Washington: Channel structure - Off-channel habitat (3500.00 Feet)	Bull Trout, Chinook, Chum, Coho, Steelhead	Cutthroat, Pink	Conceptual							12/31/2011	Pierce Co Water Programs Div	$500,000		Puget Sound Acquisition and Restoration, PRISM Match	10-PuyFennel-01
Restoration Projects	Sheras Falls Barrier Removal	A fish barrier consisting of a drop of approximately 3 feet occurs near a private bridge about 650 feet upstream from the mouth of Clover Creek (outlet to Steilacoom Lake). The creek is asphalt and lined in the immediate vicinity of the bridge. The drop appears to occur at the downstream end of the asphalt treatment The elevation difference will be corrected by installation of a fish way design, step pool design or a roughened channel design. The project is still in the scoping phase and the final solution has not been chosen. The roughened channel approach is most likely to be implemented.					Activity Type - Fish Passage: Fish passage blockages removed or altered (1.00 Number)										9/30/2012	Pierce Co Water Programs Div	$150,000		SRFB - Salmon Recovery Funding Board, Pierce Co Water Programs Div	2012-3-20
Restoration Projects	South Prairie Creek Restoration (RM 2-4.6)	South Prairie Creek instream and riparian restoration, including LWD placement, removal of rip rap streamside revegetation on over 300 acres and 2 miles of public land.		Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Channel Structure and Complexity		Instream, Riparian	Limiting Factors: Degraded Habitat-Riparian Areas and LWD Recruitment (300.00)	Chinook, Steelhead	Coho, Pink	Conceptual							12/31/2011	Pierce County	$690,000		SRFB - Salmon Recovery Funding Board, Pierce County	10-SPrairie-01
Restoration Projects	Setback Levee at 24th St E Pointbar (White River)	After a feasibility study is used to father a couple of the projects in and adjacent to Sumner we would like to move forward with any acquisition and construction. Actions proposed at the Sumner Setback Site include removing approximately 4,430 linear feet of existing levee located along the left (southwest) bank of the Puyallup River between Puyallup RM 10.7 and 11.6. An armored levee of approximately 4,666 linear feet would be set back from the Puyallup River to the southwest, encompassing an area of approximately 2,063,949 square feet (47.4 acres). Provide a setback levee on the left bank of the White River at RM 3.2. Remove approximately 1,905 linear feet of existing revetment located along the left bank of the White River between RM 3.2 and RM 3.5. A new armored levee of approximately 1,491 linear feet would be constructed and set back from the White River to the east, encompassing an area of approximately 400,070 square feet (9.2 acres).		Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Fish Passage		Riparian, Instream, Upland, Wetland	Floodplain Reconnection: Floodplain Reconnection (47.40 Acres)	Chinook	Bull Trout, Coho, Cutthroat, Pink, Steelhead	Conceptual							12/31/2013	Pierce County, City of Puyallup, City of Sumner	$200,000		SRFB - Salmon Recovery Funding Board, Puget Sound Acquisition and Restoration	09-1618
Restoration Projects	Puget Creek Rearing Pond	An off-channel pond will be developed to provide an acclimation area for out-migrating Coho smolts and Chum fry. This area has an influx of marine water at high tide, which would benefit the out-migrating smolts/fry so they can be better situated for survival. This pond could also work in the reverse for in-migrating adult salmonids. This pond would also provide over-wintering habitat for Coho and rearing area.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Instream, Riparian		Coho	Chum	Conceptual							12/31/2011	Puget Creek Restoration Society	$80,000		SRFB - Salmon Recovery Funding Board	12-Marine-07
Restoration Projects	Boise Creek Fish Passage and Channel Relocation	The Puyallup Tribe is proposing to obtain funding for the design and 35% engineering to both relocate Boise Creek into its former channel within that property owned by the City of Enumclaw within the Enumclaw Golf Course and provide fish passage above Boise Creek Falls located at RM 4.5.		Biological Processes, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Fish Passage		Riparian, Rivers/Streams/Shoreline, Upland	Activity Type - Instream Habitat: Channel reconfiguration and connectivity: miles (1.12 Miles), Activity Type - Instream Habitat - Washington: Channel reconfiguration and connectivity (5900.00 Feet)	Chinook, Coho, Pink, Steelhead	Sockeye	Design Completed							7/15/2010	Puyallup Tribe	$120,000		SRFB - Salmon Recovery Funding Board, Puyallup Tribe	08-2006
Restoration Projects	Garrison Springs Restoration	Conduct feasibility study to see if Garrison Springs can be used to release juvenile Chinook from the WDFW hatchery to Puget Sound. The study would also estimate the cost of any alterations needed to permit the fish to successfully reach the Sound.		Unknown		Rivers/Streams/Shoreline, Nearshore (Beaches), Instream		Chinook	Chinook	Conceptual							6/30/2011	Puyallup Tribe, South Puget Sound SEG, Al Schmauder	$5,000			12-Chambers-01
Restoration Projects	Electron Dam Diversion Fish Screening	Install inclined floor screen structure on flume at Electron Dam diversion to reduce juvenile mortality during out migration. Outlet of Flume located at Electron Forebay. Diversion, inadequate screening. Approximately 50% of downstream migrant juveniles enter the diversion. Approx. 20% of those are trapped and returned to the river. The remaining smolts suffer 100% mortality in the powerhouse. Majority of smolts migrating down the flume to the forebay are subsequently ground up by the turbines. There is up to 80% mortality. Engineer and construct an incline screen structure to increase overall juvenile salmonid survival during out migration from the Upper Puyallup River.		Degraded Habitat-Fish Passage		Instream	Activity Type - Fish Screen: Fish screens installed or modified (1.00 Number)	Chinook	Cutthroat), Coho, Pink, Bull Trout, Steelhead	Conceptual, Feasibility Completed							12/31/2011	Puyallup Tribe, South Puget Sound SEG, Puget Sound Energy	$6,000,000		SRFB - Salmon Recovery Funding Board, Puyallup Tribe, South Puget Sound SEG,	10-UpperPuy-01
Restoration Projects	Upper White - Greenwater River/ Huckleberry Creek/West Fork White River	Road decommissioning in floodplains (work can include removing culverts, pulling back unstable fills, slope recontouring, outsloping, water-barring, road-bed ripping, revegetation, etc.) $20K/mile - as much as 100 miles. Access and travel management plan.		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Stream Substrate		Riparian, Wetland, Upland		Chinook, Bull Trout, Steelhead	Cutthroat, Coho, Pink	Conceptual							10/15/2015	Puyallup Tribe, South Puget Sound SEG, US Forest Service	$1,500,000		SRFB - Salmon Recovery Funding Board, South Puget Sound SEG	10-UpperWhite-01
Restoration Projects	Greenwater River Restoration Phase 3	This grant serve as a third phase to two projects completed in 2010 and 2011. The phase I and phase II projects collectively installed 13 mid channel engineered log jams and removed nearly a mile of forest road from the floodplain. This project proposes to install 5 additional jams downstream of the phase I and phase II project sites. The five jams are already fully designed and permitted; project actions are shovel ready for construction in 2013 with limited development efforts needed. The project will build upon previous efforts in this reach of the Greenwater River to: create large stable structures that will trap mobile debris and sediment, increase floodplain connectivity and off channel habitat, Increase number of pools with overhead cover, decrease median substrate size, and overall improve spawning and rearing conditions for salmonids in the Greenwater River.		Biological Processes, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function				Bull Trout, Chinook, Coho, Cutthroat, Pink, Rainbow, Steelhead									12/31/2014	South Puget Sound SEG	$392,150		SRFB - Salmon Recovery Funding Board	00-0000
Restoration Projects	Greenwater River ELJ and Road Decommission	The South Puget Sound Salmon Enhancement Group will use this grant, as well as the Greenwater LWD Phase II grant, to place up to five engineered logjams in the Greenwater River upstream of the U.S. Forest Service Road 7010 bridge in the Greenwater River, which forms the border between Pierce and King Counties. Additionally the project will remove up to 4500 linear feet of the decommissioned FR 70 from the Floodplain.		Biological Processes, Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function		Riparian, Instream, Rivers/Streams/Shoreline, Upland	Activity Type - Instream Habitat: Channel reconfiguration and connectivity: miles (0.01 Miles), Activity Type - Instream Habitat - Washington: Channel reconfiguration and connectivity (3.00 Feet), Effectiveness Monitoring: Floodplain Enhancement - Residual Pool Area (96.00 meters squared), Effectiveness Monitoring: Floodplain Enhancement - Residual Pool Depth (22.80 centimeters)	Bull Trout, Chinook, Coho, Cutthroat, Pink, Rainbow, Steelhead	Chum	Feasibility Completed, Design Completed							12/31/2010	South Puget Sound SEG	$570,600		SRFB - Salmon Recovery Funding Board, US Environmental Protection Agency (EPA), US Forest Service, Puget Sound Acquisition and Restoration, PRISM Match	06-2223
Restoration Projects	Clearwater River LWD Project	The Clearwater River Large Woody Debris Project will address major limiting habitat factors and impaired processes on the Clearwater River through strategic placement of large wood structure. A watershed scale geomorphic assessment will inform the design and placement of the structures based upon current and historic floodplain characteristics, local geology and basin-wide topography. The overall goal of the project is to increase spawning and rearing capacity of the watershed for Spring Chinook, steelhead, Coho, pink and cutthroat trout species. The primary objectives of the project are to: stabilize the watershed, dissipate flood energy, activate the floodplain, increase pool habitat, increase instream structure and refuge habitat, improve riparian function, provide shade, and reduce water temperatures.		Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Channel Structure and Complexity		Instream	Limiting Factors: Degraded Habitat-Riparian Areas and LWD Recruitment (100.00)	Chinook, Coho	Cutthroat, Bull Trout, Pink, Steelhead	Conceptual							12/31/2011	South Puget Sound SEG	$500,000		SRFB - Salmon Recovery Funding Board, South Puget Sound SEG	09-1661
Restoration Projects	Calistoga Oxbow Culvert Replacement	The goal of this project is to replace an undersized and damaged culvert along the Puyallup River (RM 18) and Calistoga Bridge near Orting in order to increase backwater rearing habitat and reconnect historic oxbows to the main river channel. A large 10 acre oxbow adjacent to the Puyallup River near river mile 19 is currently cut off from the floodplain. This project will remove and replace two culverts on the Calistoga Oxbow (levee and access road). The levee culvert project will be modeled similar to the Sportsmen's project and will be designed to meet identical flood risks and other applicable County criteria. The access road culvert project will be a stream simulation design approved by WDFW.		Degraded Habitat-Fish Passage, Degraded Habitat-Riparian Areas and LWD Recruitment		Instream, Riparian, Wetland	Activity Type - Estuarine & Nearshore: Estuarine culvert modification/removal: number (2.00 Number), Activity Type - Estuarine & Nearshore - Washington: Culvert modification - Culvert Removal (2.00 Number), Floodplain Reconnection: Floodplain Reconnection (10.00 Acres)	Chinook	Coho, Cutthroat	Conceptual							12/31/2011	South Puget Sound SEG	$503,000		SRFB - Salmon Recovery Funding Board, South Puget Sound SEG	10-LowPuy-05
Restoration Projects	Chambers Beach Reconstruction and Riparian Enhancement	The Chambers Beach Reconstruction and Riparian Enhancement project will reconstruct natural beach profiles along Chambers Beach and provide active nourishment of degraded areas in key locations within the drift cell. Restoration efforts will also reconstruct a riparian corridor in select areas through removal of invasive species and planting of native vegetation.		Degraded Habitat-Riparian Areas and LWD Recruitment, Estuarine and Nearshore Habitat, Degraded Habitat-Estuarine and Nearshore Marine		Riparian, Nearshore (Beaches)	Activity Type - Instream Habitat: Streambank stabilization (1.50 Miles)	Chinook	Pacific Herring, Sand Lance, Surf Smelt, Chum, Coho , Pink	Conceptual, Feasibility Pending							12/31/2011	South Puget Sound SEG	$400,000		SRFB - Salmon Recovery Funding Board, South Puget Sound SEG	12-ChambersBeach-01
Restoration Projects	Chambers Bay Estuarine and Riparian Enhancement	This goal of this project is to restore and enhance the estuarine habitat structure within Chambers Bay; as well as, to restore marine riparian corridor in and around Chambers Bay and increase salt marsh and estuarine area inside the Bay.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat, Degraded Habitat-Riparian Areas and LWD Recruitment		Nearshore (Embayments), Riparian, Estuary (River Delta)	Activity Type - Estuarine & Nearshore: Shoreline armor removal or modification: miles (0.01 Miles), Activity Type - Estuarine & Nearshore - Washington: Shoreline armor removal or modification (1.00 Feet)	Chinook	Chum, Coho, Pink, Pacific Herring, Sand Lance, Surf Smelt, Steelhead, Cutthroat	Conceptual, Feasibility Pending							12/31/2011	South Puget Sound SEG	$2,100,000		SRFB - Salmon Recovery Funding Board, South Puget Sound SEG, Puget Sound Acquisition and Restoration	12-Marine-01
Restoration Projects	Sequalitchew Creek Estuary-Beach and Riparian Restoration	Remove derelict creosote pilings and bulkhead structures, restore natural beach profile, remove invasive plants and restore native, marine riparian corridor at the mouth of Sequalitchew Creek on the WRIA 12 shoreline, Northeast of the Nisqually reach.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Beaches), Nearshore (Embayments), Wetland		Chinook	Chum (Secondary Species), Coho (Secondary Species), Pink (Secondary Species), Pacific Herring	Conceptual							12/31/2011	South Puget Sound SEG	$350,000		SRFB - Salmon Recovery Funding Board, South Puget Sound SEG	12-Marine-04

WRIA 10 12 – Puyallup-White and Chambers-Clover Creek Watersheds

Plan Category	Project Name	Project Summary	Priority tier of project	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	Year 2012 Activity to be Funded	Year 2012 Estimated Budget	Year 2013 Activity to be Funded	Year 2013 Estimated Budget	Year 2014 Activity to be Funded	Year 2014 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other	Project ID
Restoration Projects	Sequalitchew Creek Estuary- Diversion and Streamflow Restoration	Re-route the Fort Lewis water treatment diversion and refit flood control structures to return flows to Sequalitchew Creek. Sequalitchew Creek includes miles of underutilized, partially protected habitat that could support good numbers of Coho, chum and potentially steelhead if instream flows and habitat function was restored. Currently, a large portion of Sequalitchew Creek is diverted and eventually discharged throug a spillway onto large riprap on the Puget Sound shoreline. Additionally, the estuary could support rearing and foraging needs of early-life stage Chinook, Coho, chum and pinks from across Puget Sound.		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality		Instream, Riparian		Chinook	Coho, Chum, Steelhead, Pink	Feasibility Completed							12/31/2012	South Puget Sound SEG	$400,000		SRFB - Salmon Recovery Funding Board, South Puget Sound SEG	12-Marine-05
Restoration Projects	Pocket Beach Enhancement/Nourishment Pilot: Sequalitchew to Solo Point	Initiate a pilot beach restoration and marine riparian planting projects on existing pocket beaches persisting waterward of the BNSF railine between Sequalitchew Creek and Solo Point to monitor and streamline beac nourishment and riparian enhancement techniques along the degraded shoreline. The project scope entails a reach scale analysis of geomorphic structure, present function of pocket beaches, sediment transport processes and will initiate beach nourishment events to test effectiveness and sustainability of beach nourishment efforts in supporting functional beach habitats. Resulting data will inform future restoration efforts regarding effectiveness of beach nourishment as a viable restoration option and chart the predicted downstream effects of beach nourishments efforts on beach structure, submerged vegetation beds and forage fish spawning.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Beaches), Riparian		Chinook	Chum, Coho, Pink, Pacific Herring, Surf Smelt, Sand Lance, Steelhead, Cutthroat	Conceptual, Feasibility Pending							12/31/2011	South Puget Sound SEG	$200,000		SRFB - Salmon Recovery Funding Board, South Puget Sound SEG	12-Marine-06
Restoration Projects	Titlow Pocket Estuary Feasibility Study	Complete a feasibility study for the replacement of the culvert/tidegate through BNSF railroad to improve connectivity and fish passage between Titlow lagoon and Puget Sound, beach cleanup/ enhancement.		Degraded Habitat-Fish Passage, Estuarine and Nearshore Habitat		Nearshore (Embayments), Estuary (River Delta), Riparian		Chinook, Chum, Pink	Coho, Pink	Feasibility Pending							12/31/2010	South Puget Sound SEG	$56,860		Nat Fish & Wildlife Foundation	12-Marine-10
Restoration Projects	Sequalitchew Watershed Restoration Planning	Initiate stakeholder coordination for long-term watershed recovery of Sequalitchew Creek.		Degraded Habitat-Fish Passage, Estuarine and Nearshore Habitat, Degraded Habitat-Riparian Areas and LWD Recruitment		Instream, Nearshore (Embayments), Estuary (River Delta)		Coho	Chinook, Chum, Cutthroat, Pink, Steelhead	Conceptual							12/31/2011	South Puget Sound SEG	$90,000			12-Watershed-01
Restoration Projects	Greenwater LWD Study	Effectiveness monitoring of Greenwater LWD Project and assessment for placement of several LWD structures (mostly jams) throughout Greenwater mainstrem and some tributaries: LWD structure placement.		Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment		Instream		Bull Trout, Chinook, Coho, Cutthroat, Pink, Rainbow, Steelhead	Chum	Conceptual							12/31/2011	South Puget Sound SEG	$200,000			Monitoring-08
Restoration Projects	Develop Nearshore Projects	Use comparable benefits protocols for synchronized project selection - Using exisiting nearshore assessments develop protocols for nearshore project identification, development and priortization.		Unknown		Nearshore (Beaches), Nearshore (Embayments), Nearshore (Rocky Coast)		Cutthroat, Pink, Sockeye, Steelhead, Chum, Coho, Chinook	Bull Trout	Conceptual							12/31/2011	South Puget Sound SEG	$10,000			Watershed-02
Restoration Projects	Fish Passage, Ponce de Leon Creek	Build a fish passage on a 100 year old dam on Ponce de Leon Creek which empties into Steilacoom Lake. Coho are the primary salmon that would use the quarter mile of habitat that would be opened up. Ponce de Leon is a perenial stream fed by springs and some drainage for the Lakewood mall.		Unknown		Instream		Coho	Steelhead	Conceptual								South Puget Sound SEG, Al Schmauder				12-Clover-01
Restoration Projects	Voights Creek Hatchery Clarifier	Construct 2 bay clarifier, provide covers for pollution abatement ponds, venturi/eductor system.		Unknown		Instream		Chinook	Coho, Chum, Pink, Steelhead	Conceptual							12/31/2011	Washington Department of Fish and Wildlife (WDFW)	$896,800			10-Hatchery-01
Restoration Projects	Voights Creek Hatchery Adult Facilities	Demolish adult facilities; construct adult facilities consisting of holding/rearing untis, fishway, sorting system with crowder, reuse water sump w/ pumps, crowders, bird predation covers, and security fence with alarms.		Unknown		Instream		Chinook	Coho, Chum, Pink, Steelhead	Conceptual							12/31/2011	Washington Department of Fish and Wildlife (WDFW)	$3,520,000			10-Hatchery-02
Restoration Projects	Improvements at the Buckely Fish Trap	Explore opportunities to improve fish passage at Buckley.		Unknown		Instream		Chinook	Bull Trout, Chum, Coho, Pink, Sockeye, Steelhead	Conceptual							12/31/2011	Washington Department of Fish and Wildlife (WDFW)	$105,000		SRFB - Salmon Recovery Funding Board	10-Hatchery-03
Restoration Projects	Chambers Creek Adult Trap and Juvenile Acclimation Facility Improvements	Rebuild ponds and intake, and install pollution abatement system (HSRG recommendations) to improve upstream passage for non-target wild stocks; improve acclimation for smolts and adult holding for returning Chinook; establish pollution abatement system for effluent; and improve screen to minimize impacts on wild stocks.		Degraded Habitat-Fish Passage		Instream	Activity Type - Estuarine & Nearshore - Washington: Revegetation (1.00 Sq. Ft.)	Chinook	Coho, Chum, Steelhead	Conceptual							12/31/2011	Washington Department of Fish and Wildlife (WDFW)	$3,200,000			12-Hatchery-01
Restoration Projects	Olympic View Triangle - Commencement Bay	Tip of Foss and Middle waterways - salt marsh habitat - currently upland on DNR property- Eelgrass on bay side.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Embayments)		Chinook	Coho, Chum, Pink	Conceptual							12/31/2011	Washington Department of Natural Resources (DNR)	$900,000			10-CommBay-02
Restoration Projects	Commencement Bay Puget Creek Estuary Restoration	Remove contaminated sediment, sediment replacement, softening of rip-rap shoreline with gravel/cobble mix, restore eelgrass beds, restore sand lance spawning.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Beaches)	Activity Type - Estuarine & Nearshore: Beach nourishment: acres (1.40 Acres)	Chinook	Chum, Coho, Pink	Conceptual							12/31/2011	Washington Department of Natural Resources (DNR), Pierce County, Puget Creek Restoration Society	$1,450,000		SRFB - Salmon Recovery Funding Board, Pierce County	12-Marine-02
Restoration Projects	Swan Creek Restoration channel geometry at Pioneer Way	Restore channel geometry in Swan Creek at Pioneer Way. There is high potential for restoration according to modelling by EDT - Sediment detention pond upstream.		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment		Instream, Riparian		Coho	Chum	Conceptual							12/31/2011		$400,000			10-LowPuy-01
Restoration Projects	Middle Boise Creek Restoration Planning	King County is in the process of developing a Habitat Restoration Plan for Middle Boise Creek (RM 1-3) to identify approximately five to six habitat restoration projects that could be constructed within the next ten years. A more comprehensive hydraulic model of the middle Boise Creek reach is important prior to constructing restoration projects.	1					Chinook									3/31/2013		$95,017		SRFB - Salmon Recovery Funding Board	12-1450
Restoration Projects	Buckley Dam Fish Passage Improvements	Update fish passage facilities owned by Army COE. Project located at mile 24.3 of the White River. The project is to provide safe fish passage to all fish species, including three listed species. The dam in it's current state is resulting in delay, injury and mortalitty of all species, particularly in odd years when pink salmon are abundant.						Chinook, Bull Trout, Coho, Pink, Steelhead, Chum	Sockeye								4/10/2018		$80,000,000			12-5000
Restoration Projects	Sequalitchew Creek Estuary Reconnection	Restore estuarine processes to Sequalitchew Creek Estuary through placement of a large rail trestle across the mouth of the estuary.		Estuarine and Nearshore Habitat, Degraded Habitat-Estuarine and Nearshore Marine		Riparian, Estuary (River Delta), Nearshore (Embayments)		Chinook	Chum, Coho, Cutthroat, Pacific Herring, Sand Lance, Steelhead, Surf Smelt	Conceptual							5/5/2015		$10,000,000			12-Marine-03
Restoration Projects	Narrows and Sequalitchew-Steilacoom Feeder Bluff Reconnection	Reconnect priority (historic) feeder bluffs along Nisqually to Point Defiance shoreline in the Tacoma Narrows and between Sequalitchew Creek and Steilacoom to restore lost process of sediment input. Feeder bluff reconnection could be accomplished by installing trestles under the BNSF railroad at key locations.		Estuarine and Nearshore Habitat, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Estuarine and Nearshore Marine		Riparian, Nearshore (Beaches)		Chinook	Coho, Pink, Cutthroat, Pacific Herring, Sand Lance, Surf Smelt	Conceptual									$10,000,000			12-Marine-09
Acquisition/Restoration (Combination)	Marine View Drive Acquisition and Nearshore restoration	In Commencement Bay in front of Marine View Drive. Create intertidal habitat adjacent to the Trustee's area. Foss Log storage - $50K per acre. This project proposes the acquisition of ~17 acres of nearshore and upland feeder streams along ~0.75 miles of the northeast shoreline of Commencement Bay. The Foss property is located along the Outer Hylebos which stretches from the mouth of the Hylebos Waterway to Browns Point.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Embayments), Upland, Riparian		Chinook	Chum, Coho, Pink, Pacific Herring	Conceptual, Feasibility Completed							12/31/2011	Forterra	$1,000,000			10-CommBay-01
Acquisition/Restoration (Combination)	Matlock Farms Development Rigths Purchase and In Stream Restoration	The goal of this project is to conserve this 155 acre working farm in order to preclude its conversion to non-farm uses in order to preserve the ecological values on-site and nearby. The property is in Alderton, near Puyallup, WA. 3,000 linear feet of Puyallup River frontage stretches along the property. Ball Creek cuts through the property. The goal is to purchase development rights from the property so as to lower the real estate value and allow the current farmer who is leasing the property to afford to purchase the underlying fee of the property and continue farming it in perpetuity. The landowners are willing sellers of the entire property. The property is made up of 4 tax parcels, each touching the Puyallup River. The landowners are serious about selling as they have a preliminary platt recorded with the County allowing for 16 large lot homes to be built across the farm. This action if not redirected would seriously disturb the water quality of Ball Creek and the Puyallup River.		Unknown		Riparian	Activity Type - Acquisition/Easements/Leases : Land, wetland or estuarine area protected from degradation or development (155.00 Acres), Activity Type - Acquisition/Easements/Leases - Washington: Upland protected (155.00 Acres), Activity Type - Floodplain Restoration - Washington: Channel Connectivity/Rehabilitation/Creation - Floodplain Restoration (3000.00 Linear Feet)	Chinook	Coho, Chum, Pink, Bull Trout, Steelhead	Conceptual							1/1/2015	Forterra	$1,194,000			10-LowPuy-11
Acquisition/Restoration (Combination)	Hylebos Creek (Hauff Property) Restoration	The Hauff Property Acquisition and Restoration project would acquire and restore 6.28 acres at the mouth of Hylebos Creek. The project goals include acquiring the Hauff property in lower Hylebos Creek, conducting stream channel and riparian restoration, creating off-channel rearing habitat for juvenile salmonids, controlling invasive weed species and establishing native vegetation. The action would expand c a restoration/mitigation action conducted immediately downstream by Washington State Department of Transportation.		Degraded Habitat-Estuarine and Nearshore Marine, Estuarine and Nearshore Habitat		Nearshore (Embayments)		Chinook	Coho	Conceptual							12/31/2011	Friends of the Hylebos	$3,500,000		SRFB - Salmon Recovery Funding Board	10-Hylebos-01
Acquisition/Restoration (Combination)	Middle Boise Creek Acquisition (RM 1-3)	Purchase land in fee or conservation easements to facilitate the restoration of aquatic and riparian habitat in and along Boise Creek between RM 1 – 3.		Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Stream Substrate		Riparian, Instream		Chinook	Steelhead, Bull Trout, Coho, Cutthroat	Feasibility Pending							12/31/2015	King County	$1,575,000		SRFB - Salmon Recovery Funding Board, King County	10-Boise-02
Acquisition/Restoration (Combination)	West Hylebos Creek acquisition	This projecy completes the purchase, preservation, and restoration of the properties detailed in the recovery strategy. It brings total of this restoration action to approx. 35 acres of the most productive habitat on this fork of the Hylebos. A stream assessment and forest management plan that will form the basis of a large-scale project to restore and maintain 2,000 feet of the North Fork of Hylebos Creek and 40 acres of forested riparian, wetland and upland habitat. Stabilization of stream conditions, restoration of stream habitat and long-term forest health will restore and maintain spawning and rearing habitat for Coho and chum salmon.		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian, Instream, Upland	Activity Type - Acquisition/Easements/Leases : Land, wetland or estuarine area protected from degradation or development (40.00 Acres), Activity Type - Acquisition/Easements/Leases : Streambank or riparian protected (2.64 Miles), Activity Type - Acquisition/Easements/Leases - Washington: Upland protected (40.00 Acres)	Chinook	Coho, Chum, Pink, Steelhead	Conceptual							12/31/2011		$1,500,000		SRFB - Salmon Recovery Funding Board	10-Hylebos-04

WRIA 10 12 – Puyallup-White and Chambers-Clover Creek Watersheds

Plan Category	Project Name	Project Summary	Priority tier of project	Limiting Factors	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secondary Species Benefiting	Current Project Status	Year 2012 Activity to be Funded	Year 2012 Estimated Budget	Year 2013 Activity to be Funded	Year 2013 Estimated Budget	Year 2014 Activity to be Funded	Year 2014 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other	Project ID
Acquisition Projects	Middle Puyallup River Acquisition	Cascade Land Conservancy is seeking funding for acquisition of approximately 250 acres of high quality salmon habitat located south of Orting along the Puyallup River. The project site includes approximately a mile of river frontage, pristine riparian habitat, and floodplains.		Biological Processes, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Fish Passage, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality		Riparian, Rivers/Streams/Shoreline, Upland		Chinook, Cutthroat, Steelhead	Bull Trout, Coho, Chum, Pink	Conceptual							12/31/2008	Forterra	$400,000		SRFB - Salmon Recovery Funding Board, Forterra	08-2017
Acquisition Projects	South Prairie Creek Acquisition (RM 0-8)	Protect 60-120 acres of instream and riparian habitat along South Prairie Creek, primary tributary to the Carbon River and the most important salmonid spawning area in the Puyallup watershed		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment, Degraded Habitat-Water Quality		Riparian, Instream, Upland		Chinook	Chum, Cutthroat, Coho, Pink, Bull Trout, Steelhead	Conceptual							12/31/2010	Forterra, Pierce Co Water Programs Div	$800,000			10-SPrairie-02
Acquisition Projects	White River Land Acquisition	Acquire ecologically important land within the White River watershed.		Degraded Habitat-Riparian Areas and LWD Recruitment		Riparian, Upland		Chinook	Chum, Cutthroat, Coho , Pink , Bull Trout, Steelhead	Conceptual	Acquisition	Year 2012 Estimated Budget: Estimated Budget (2000000.00 $)	Acquisition	Year 2013 Estimated Budget: Estimated Budget (2000000.00 $)	Acquisition	Year 2014 Estimated Budget: Estimated Budget (2000000.00 $)	12/31/2015	King County	$6,000,000		SRFB - Salmon Recovery Funding Board, King County	10-White-05
Restoration Projects	TransCanada Levee Setback Feasibility and Design	The purpose of the TransCanada Levee Setback Feasibility Study is to analyze alternatives for modification of the TransCanada Levee and select a preferred alternative for restoring process and function within a channelized section of the Lower White River, while preventing an increase in flood hazard from inundation or channel migration outside the study area. Channel constriction and adverse flow velocities currently limit aquatic habitat and natural riverine processes. The King County River and Floodplain Management Section manages the TransCanada Levee, and purchased land behind the levee with the intent of preserving open space and providing for salmon habitat restoration and reduced flood risks through a future levee modification project. Because the remaining parcels within the study area are owned by the Muckleshoot Indian Tribe (MIT) and the entire study area is within the MIT Reservation, the MIT provided permission for the project to proceed and the MIT Fisheries Division provided input and review of products through the feasibility study. The TransCanada Levee Setback Feasibility Study is funded by the Washington State Salmon Recovery Funding Board (SRFB). Potential project alternatives were scoped through a design charrette process where limiting factors and items of concern within and adjacent to the study area were identified. Metrics were developed and matched to project objectives to allow for evaluation...		Degraded Habitat-Channel Structure and Complexity, Degraded Habitat-Floodplain Connectivity and Function, Degraded Habitat-Riparian Areas and LWD Recruitment		Instream, Riparian		Chinook	Cutthroat (Secondary Species), Coho (Secondary Species), Pink (Secondary Species), Bull Trout (Secondary Species), Steelhead (Secondary Species)	Conceptual, Feasibility Pending							8/31/2011	King County DNR & Parks	$175,000		SRFB - Salmon Recovery Funding Board, King County DNR & Parks	08-2009
Acquisition Projects	Puyallup River (Union Pacific) Setback Levee (RM 2.6-3.0) - Acquisition	Acquire up to 30 acres of floodplain and former intertidal habitat; acquisition would allow for construction of setback levee and restoration of intertidal habitat in the transition zone for juvenile rearing.		Estuarine and Nearshore Habitat, Degraded Habitat-Estuarine and Nearshore Marine		Estuary (River Delta)	Floodplain Reconnection: Floodplain Reconnection (30.00 Acres)	Chinook	Chum, Coho, Pink, Bull Trout, Steelhead	Conceptual							12/31/2012	Pierce County	$8,500,000		SRFB - Salmon Recovery Funding Board, Pierce County	10-LowPuy-02
Non-Capital Projects	Bay Watcher (CHB)	Weekly on the water patrols cover entire Commencement Bay shoreline. Also, weekly foot patrol to specific hot spots or outfalls.		Unknown		Nearshore (Embayments)		Coho, Pink, Sockeye, Bull Trout	Chinook, Chum, Steelhead	Conceptual							12/31/2011	Citizens for a Healthy Bay	$60,000			10-Education-01
Non-Capital Projects	Pollution Hotline (CHB)	Consolidated citizen/agency hotline for reporting potential toxic problems. Follow up and correction of issues/results from the calls.		Unknown		Estuary (River Delta), Instream, Nearshore (Beaches), Nearshore (Embayments), Nearshore (Rocky Coast), Riparian, Rivers/Streams/Shoreline, Upland, Wetland		Chinook, Chum, Bull Trout, Coho, Cutthroat, Pink, Sockeye, Steelhead, Rainbow, Kokanee	Steller Sea Lion, Surf Smelt, Umatilla Dace, Van Dyke's Salamander, Walleye Pollock, Western Toad, Anchovy, Bald Eagle, Cascade Torrent Salamander, Columbia Spotted Frog, Dunn's Salamander, Eulachon, Lake Chub, Larch Mountain Salamander, Leopard Dace, Marbled Murrelet, Margined Sculpin, Mountain Sucker, Northern Leopard Frog, Olympic Mud Minnow, Orca (Killer Whale), Oregon Spotted Frog, Pacific Cod, Pacific Hake, Pacific Harbor Porpoise, Pacific Herring, Peregrine Falcon, Pygmy Whitefish, River Lamprey, Rockfish, Rocky Mountain Tailed Frog, Sand Lance, Sea Otter , Snowy Plover	Conceptual							12/31/2011	Citizens for a Healthy Bay	$30,000			Education-02
Non-Capital Projects	Smolt Trapping-South Prairie Creek	Operate smolt trap on South Prairie Creek - $150,000 per year - includes man on site.		Unknown		Instream		Chinook, Coho, Chum, Steelhead, Pink, Bull Trout	Bull Trout, Chinook, Chum, Pink, Steelhead, Coho	Conceptual							12/31/2011	Muckleshoot Tribe, Puyallup Tribe	$450,000			Monitoring-03
Non-Capital Projects	Chambers Estuary Restoration Planning Project	This project will conduct preliminary planning for the restoration of Chambers Estuary, primarily through acquisition of part or all of the "Abbibi" site. Eventual project outcomes include;Acquisition of property currently zoned industrial for permanent preservation as open space; Removal of fill materials and manmade structures which impede salmon movement and life cycle processes; Restoration of riparian habitat along estaurine shoreline.																Pierce Co Conservation Dist	$50,000		SRFB - Salmon Recovery Funding Board	ChambersEstuary
Non-Capital Projects	SPC Riparian Restoration Planning Project	This project will complete engineering for removal of manmade structures at the former Inglin Dairy property, now part of the South Prairie Creek Reserve.															2/28/2014	Pierce Co Conservation Dist	$30,000		SRFB - Salmon Recovery Funding Board, Pierce Co Conservation Dist	SPCRiparian2012
Non-Capital Projects	Communications/ Public Outreach Support	This project includes technical help to coordinate public education and outreach between the numerous agencies and organizations working in the watersheds. A significant effort would be placed in web-based access to actions, opportunities and goals.		Unknown		Instream, Estuary (River Delta), Nearshore (Beaches), Nearshore (Embayments), Nearshore (Rocky Coast), Riparian, Rivers/Streams/Shoreline, Upland, Wetland		Chinook, Chum, Coho, Cutthroat, Pink, Sockeye, Steelhead	Bull Trout	Conceptual							12/31/2011	Pierce County	$80,000			10-Education-02
Non-Capital Projects	Technical Support	Provide access to state and local agency resources for better coordination and integration of plan components. Also to ensure the support of NOAA's TRT remains constant to help with the salmon recovery efforts.		Unknown		Wetland, Upland, Riparian, Rivers/Streams/Shoreline, Instream		Steelhead, Sockeye, Pink, Cutthroat, Coho, Chum, Chinook, Bull Trout	Bull Trout, Chinook, Chum, Coho, Cutthroat, Pink, Sockeye, Steelhead	Conceptual							12/31/2011	Pierce County	$250,000			Watershed-05
Non-Capital Projects	Smolt Trapping-Puyallup River	Operate smolt trap on the Puyallup River - $150,000 per year - includes manning site.		Unknown		Instream		Chinook	Bull Trout (Secondary Species), Chum (Secondary Species), Pink (Secondary Species), Sockeye (Secondary Species), Steelhead (Secondary Species)	Conceptual							12/31/2011	Puyallup Tribe	$450,000		SRFB - Salmon Recovery Funding Board	Monitoring-01
Non-Capital Projects	Salmon Recovery Outreach	Create outreach function targeted at salmon recovery.		Unknown		Instream, Riparian, Rivers/Streams/Shoreline		Bull Trout, Chinook, Chum, Coho, Cutthroat, Pink, Sockeye, Steelhead	Bull Trout, Chinook, Chum, Coho, Cutthroat, Pink, Sockeye, Steelhead	Conceptual							12/31/2011	South Puget Sound SEG	$120,000			10-Education-03
Non-Capital Projects	Nearshore Effectiveness Monitoring	Develop and implement a nearshore effectiveness monitoring plan for future restoration projects.		Unknown		Nearshore (Beaches), Nearshore (Embayments), Nearshore (Rocky Coast)		Chinook, Chum, Coho, Cutthroat, Pink, Steelhead, Sockeye	Bald Eagle, Surf Smelt	Conceptual							12/31/2011	South Puget Sound SEG	$300,000			Monitoring-07
Non-Capital Projects	Create South Puget Sound Regional Organization	Create South Puget Sound Regional Organization to develop, coordinate, and implement South Sound Salmon Recovery Plan.		Unknown		Nearshore (Beaches), Estuary (River Delta), Instream, Nearshore (Embayments), Riparian, Nearshore (Rocky Coast), Rivers/Streams/Shoreline, Upland, Wetland		Coho, Chum, Chinook, Cutthroat, Pink, Sockeye, Steelhead	Bull Trout (Secondary Species)	Conceptual							12/31/2011	South Puget Sound SEG	$160,000			Watershed-01
Non-Capital Projects	Mud Moutain Dam Mortality Study	Assess the survival of adult and juvenile fish through Mud Moutain dam.		Unknown		Instream		Chinook	Coho, Chum, Pink, Sockeye, Bull Trout	Conceptual							12/31/2011	US Army Corps of Engineers	$250,000			Monitoring-05
Non-Capital Projects	White River Watershed Stewardship Program	Enforcement, education, engineering (according to Forest Plan) dos and dont'ts on recreation in habitat areas. Providing aquatic conservation education services to Forest recreators alongs sensitive stream sources.		Unknown		Wetland, Upland, Rivers/Streams/Shoreline, Riparian, Instream		Bull Trout, Chinook, Chum, Coho, Cutthroat, Pink, Steelhead	Sockeye	Conceptual							12/31/2011	US Forest Service	$90,000			10-Education-04
Non-Capital Projects	Smolt Trapping-Chambers Creek	Operate smolt trap on Chambers Creek - $150,000 per year - includes manning site; monitoring also includes counting and identifying returning adult salmon.		Unknown		Instream		Chinook	Coho, Chum, Steelhead	Conceptual							12/31/2011	Washington Department of Fish and Wildlife (WDFW)	$450,000			Monitoring-04
Non-Capital Projects	Fish Tagging for Chinook Tracking	Fish tagging to track Chinook - trapping and tagging salmonid smolts for monitoring distribution and habitat usage and timing (POST tag) adaptive management [Increase telemetry and hydro-acoustic tagging of Chinook and Steelhead in system]		Unknown		Instream, Rivers/Streams/Shoreline, Estuary (River Delta)		Chinook	Steelhead	Conceptual							12/31/2011		$90,000			Monitoring-06