Updated: May 30, 2014

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

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

													2015		2016		2017		
Project Name	**Priority Tier**	**Project Description**	**Likely sponsor**	**Total cost of first three years/phases**	**Local Share**	**SRFB/PSAR**	**Source of Funds**	**Strategy/ Results Chains *New!***	**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 habitats and brackish marshes. VSP perameters for this subwatershed focus on productivity.**																			
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 (Site is 4.63 acres, with two acres ofshallow water habitat created)	King County	$3,200,000	$1,974,000	$950,000 (2007)	King County $325,000; US ACOE $1,600,000; KCD $325,000	Expand and enhance the Duwamish estuary. Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian	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 (2.4 acres)	Tukwila	$2,846,000	$1,000,000	$1,500,000		Expand and enhance the Duwamish estuary. Prevent new and remove shoreline armoring. Protect and restore	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) Design complete, Funding secured. **Construction planned for 2014**	**1**	Restore estuarine transition zone habitat to provide critical habitat for juvenile salmon in the Duwamish Transition Zone. (One acre of shallow water habitat, one acre of riparian habitat)	Tukwila	$3,300,000	$150,000	$1,000,000	SRFB 2010 $197299; KCD $150,000 (2010),	Expand and enhance the Duwamish estuary. Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Transitions zone estuary.	Shallow water habitat restoration.	Chinook	Steelhead, Bull trout, Orca	Construction	$2,000,000	Revegetation finalized/stewardship and maintenance	$20,000	Stewardship and maintenance	$0	2015
Duwamish Revegetation (Program WW-5) Project currently being implemented; additional funding and assessment needed	**1**	Plant native trees in the riparian zone/floodplain of the Green River and Soos Creek	King County	$337,000	$337,000	$0	150000 KCD (2013)	Expand and enhance the Duwamish estuary. Protect and improve riparian vegetation.	Riparian	Riparian revegetation	Chinook	Steelhead			Construction (revegetation)	$200,000	Construction (revegetation)	$15,000	2016
Shallow Water Habitat Creation at Cecil Moses Park (DUW-7) Proposed as mitigation by King County	**1**	Restore estuarine transition zone habitat to provide critical habitat for juvenile salmon in the Duwamish Transition Zone.	King County	tbd	tbd	tbd	tbd	Expand and enhance the Duwamish estuary. Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Transitions zone estuary.	Shallow water habitat restoration.	Chinook	Steelhead, Bull trout, Orca							
Hamm Creek/City Light North (DUW-11)	**1**	As mitigation for a planned training facility on the site that will impact wetlands, Seattle City Light will create shallow water habitat in this critical area of the Duwamish Transition Zone. Acquiring the property to enlarge the new shallow water habitat area would depend on Seattle City Light agreeing to sell the property and securing a suitable alternative site for their needs.	Seattle City Light or King County	unknown	Total project cost (unknown)	none	Seattle City Light (currently)	Expand and enhance the Duwamish estuary. Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	Transitions zone estuary.	Shallow water habitat restoration.	Chinook	Steelhead, Bull trout, Orca							
Chinook Wind - Acquisition (DUW -7)	**1**	Acquire land within transition zone in order to create shallow-water habitat.	Tukwila	$7,000,000	tbd	tbd	tbd	Expand and enhance the Duwamish estuary. Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat	Transitions zone estuary.	Shallow water habitat restoration.	Chinook	Steelhead, Bull trout, Orca							
Subtotals				**$9,683,000**	**$3,461,000**									**$2,020,000**		**$240,000**		**$20,000**	

													2015		2016		2017		
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Capital Projects																			
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 productivity.**																			
Riverside Estates Levee Setback Project (LG-1) - (Reddington Levee) COMPLETED	**3**	Levee setback, revegetation, benching, LWD.	King County Flood Control District (KCFCD)	$3,038,983	$3,038,983	$0	KCFCD	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Construction	$2,748,715					2014
Riverview Park Restoration (Project LG-7) Construction COMPLETED	**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)	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the middle and lower Green River	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Monitoring	Funded	Monitoring	$0	Monitoring & Adaptive Management	$20,000	2015
Downey Farmstead Acquisition (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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the middle and lower Green River	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca							
Downey Farmstead Restoration (Project LG-7)- Construction [Design complete, seeking construction funding]	**1**	Create a perennial side channel connected to the Green River mainstem at both ends. 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	$6,100,000	$915,000	$5,185,000	Green River Flood Control District, King Conservation District, City of Kent, King County	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	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 -CONSTRUCTION [Design complete, seeking construction funding]	**1**	The project will construct a side-channel off of Mill Creek, providing 2 acres of floodplain habitat below the ordinary high water mark, increase floodplain refuge habitat for Chinook and other salmonids, enhance riparian habitat and increase floodplain storage.	Kent	$2,300,000		$100,000 (2006), $200,000 (proposed 2010)	APPROVED: CFT: $100,000 (2005 or 2006); City of Kent: $100,000 (2005 or 2006)	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	Intream	Instream flow	Chinook	Steelhead, Bull Trout,Orca	Funding package complete	$0	Construction	$2,300,000			2014
Teufel/Rosso Nursery Off-Channel Rehabilitation and Riparian Restoration Between RM 20.8 and 20 (LG-9) - ACQUISITION COMPLETED	**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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment	Instream	Instream flow	Chinook	Steelhead, Bull Trout,Orca							

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Capital Projects																			
Teufel/Rosso Nursery Off-Channel Rehabilitation and Riparian Restoration Between RM 20.8 and 20 (LG-9) - RESTORATION Currently seeking design funding in 2015	**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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the middle and lower Green River	Instream		Chinook	Steelhead, Bull Trout,Orca	Design	$300,000	Design		Construction	$2,000,000	2013
Mainstem Maintenance (Project LG-10) - Boeing Levee Setback- in design by USACOE in partnership with Kent	**2**	Boeing Levee Setback and Restoration between RM 18 and 17.1 to enable extensive habitat rehabilitation.	Kent & USACOE	$3,000,000	$1,000,000	$200,000	GRFCZD, , Kent, ACOE	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Instream		Chinook	Steelhead, Bull Trout,Orca	Design and permitting	$300,000	Complete Construction/Monitoring	$8,000,000	Monitoring	$50,000	2016
Lower Russell Road (Project LG-10) - in partnership with Army Corps of Engineers	**2**	Implement fish-friendly, bio-engineered solutions to levee mainteance problems. Set back the levee to enable habitat rehabilitation, including reshaping the bankline, widening the channel cross-section, restoring channel complexity ad meanders, excavating low benches and installing large,woody debris, and planting native riparian	Kent & USACOE	$8,000,000	$2,800,000	$5,200,000	KC Flood Control District, Kent, ACOE	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the middle and lower Green River			Chinook	Steelhead, Bull Trout,Orca	Design and permitting	$1,000,000	Construction	$7,000,000	Monitoring	$50,000	2016
Desimone Levee (Project LG-13)	3	Levee setback, revegetation, benching, LWD.	King County	$2,844,256			KCFCD	Protect and improve riparian vegetation.	Intream		Chinook	Steelhead, Bull Trout,Orca	Construction	$898,673	construction	$1,864,976	Construction	Montiroing	2015
Subtotals				**$40,101,895**	**$3,781,256**	**$1,225,085**								**$2,498,673**		**$23,914,976**		**$2,120,000**	

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Capital Projects																			
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				Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	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	City of Seattle	$6,000,000				Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	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	Protect and restore rearing and refuge habitat.	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Construction	$5,600,000	Construction		Construction/Monitoring		2016
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	$1,000,000	$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)	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Acquisition	$600,000	Acquisition	$300,000	Revegetation	$250,000	unknown
Piner Point Restoration Bulkhead Removal (Project NS-17) - Restoration COMPLETED	**1**	Remove creosote bulkhead,	King County	$243,894	$243,894	0	King Conservation District $180,000 (2010) and King County (63,894)	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish							
Dockton Heights- Restoration - Construction COMPLETED	**3**	Remove creosote pilings, restore shoreline		$490,000	490,000	0	Dalco Oil Spill Mitigation Funding	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Construction		Monitoring		Monitoring		
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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish							

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Capital Projects																			
Maury Island Fill Removal (NS-20) - (remnant dock footing)	**2**			$150,000	80,000		$80,000 SWM	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and restore nearshore sediment processes.	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 COMPLETED	**1**	Remove shoreline armoring in the central area of the Seahurst, 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)	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Nearshore beach.	Nearshore.	Chinook	Orca, forage fish	Construction (construction to begin 2013, with remainder of work in 2014)	$6,500,000	Revegetation, stewardship and monitoring	$50,000	Monitoring	$50,000	Construction complete in 2014, monitoring complete in 2017
Point Robinson Estuary Restoration	**1**	Salt Marsh Reconnection and Improvements	King County	$500,000				Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore nearshore	Estuary and salt marsh	Nearshore.	Chinook	Orca, forage fish	Design and Pre-Construction Monitoring	$100,000			Construction	$400,000	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	King County	$487,000.17			CFT, NOAA, PEL, SRFB	Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore	Estuary and fish blockage removal	Nearshore.	Chinook	Orca, forage fish	Design and Pre-Construction Monitoring	$100,000	Acquisition (see separate project below)	$387,000.17	Monitoring		
Cross Landing Estuary (NS-17) - Restoration	**1**	Restoration of the pocket estuary is dependent upon acqusition.	King County	$50,000				Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Estuary and fish blockage removal	Nearshore.	Chinook	Orca, forage fish			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)	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	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) **Currently in design**	**1**	Removal of nearshore armoring, enhance fish passage	WRIA 9/King County in partnership with Washington State Parks	$225,000	$0	$ 225,000		Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Nearshore estuary	Nearshore.	Chinook	Orca, forage fish							
Maury Island Marine Park (NS-17)	**2**	Invasive Removal and Revegetation.		$1,200,000			King County SWM ($1,200,000)	Protect and improve riparian vegetation.	Nearshore	Revegetation/ invasive control	Chinook	Orca, forage fish	revegetation underway						
Functioning Nearshore Habitat on Vashon/Maury Island - Portage (Project NS-17)	**1**	Reconnect salt marsh to Puget Sound	King County	$400,000			ESRP, SRFB, NOAA, King County	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Salt Marsh	Nearshore.	Chinook	Orca, forage fish	Feasbility		Acquisition		Design		
Restoration of shoreline between Piner Point and Northilla	**1**	Nearshore restoration	King County	$600,000			Conservation Futures, King County,	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Nearshore feeder bluff	Restoration	Chinook	Orca, forage fish					Design		

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Capital Projects																			
Maury Island Revegetation	**2**	Revegetation at Glacier Pit.		$500,000			King County SWM ($10,000)	Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore	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																			
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			KCD,	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Nearshore beach.	Land acquired	Chinook	Orca, forage fish	Acquisition						
Functioning Nearshore Habitat on Vashon/Maury Island - Portage (Project NS-17)	**3**	Acquisition needed in order to reconnect salt marsh to Puget Sound	King County	$400,000				Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and											
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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	Nearshore beach.	Land acquired	Chinook	Orca, forage fish	Acquisition						
Functioning Nearshore Habitat Protection on Vashon/Maury Island-NorthIlla **(Project NS-17) -**	**2**	Protect sites with high habitat resource values - NorthIlla	King County	$1,100,000			Conservation Futures, NOAA	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore nearshore sediment processes.	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)	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and	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	Prevent new and remove shoreline	Nearshore beach.	Land acquired	Chinook	Orca					Acquisition	$1,000,000	
Subtotals				**$111,058,894**	**$220,500**	**$531,612**								**$15,655,000**		**$2,457,000**		**$6,650,000**	

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Capital Projects																			
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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the Middle and Lower Green.	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)		Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the Middle and Lower Green.	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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	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)	**2**	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	Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the Middle and Lower Green.	Riparian	Riparian, intream flow	Chinook	Steelhed	Construction	$100,000	Construction	$100,000	Construction	$100,000	Ongoing
Middle Green Riparian Revegetation(Program WW-5)	**2**	Plant native trees in the riparian zone/floodplain of the Green River and Soos Creek	King County	$200,000			$200,000; SWM $50,000	Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	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	Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the Middle and Lower Green.	Intream, riparian	Riparian, intream flow	Chinook	Steelhead, bull trout	Construction	$1,225,000	Monitoring/Adaptive Management	$75,000	Monitoring/Adaptive Management	$75,000	2008

													2015		2016		2017		
Project Name	**Priority Tier**	**Project Description**	**Likely sponsor**	**Total cost of first three years/phases**	**Local Share**	**SRFB/PSAR**	**Source of Funds**	**Strategy/ Results Chains *New!***	**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				Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the Middle and Lower Green.	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 near RM 32 (Project MG-18) Construction planned for 2014	**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)		Prevent new and remove shoreline armoring. Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation. Protect and restore sediment processes in the Middle and Lower Green.	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	$3			Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	Intream, riparian	Water quality	Chinook	Coho							
Big Spring Creek Restoration (Project MG-7) Phases 1 completed in 2013, and Phase 2 to summer 2014 and planting will continue through Spring 2015	**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:	Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	Intream, riparian	Water quality	Chinook	Coho	Construction	$1,973,000	Construction	$785,000	Construction	$285,000	2014
Big Spring Creek Restoration (Project MG-7) Phases 3 and 4	**1**	Revegetation of floodplain along Big Spring Creek, outside of area in Phases 3 and 4	King County	$1,000,000			KCD:	Protect and restore rearing and refuge habitat. Protect and improve riparian vegetation.	Intream, riparian	Water quality	Chinook	Coho	Construction	$1,973,000	Construction	$785,000	Construction	$285,000	2014
<u>Upper Green River Subwatershed:</u> All natural disturbance type flows in unconstrained river channels; prevent new bank/shoreline armoring and fill and remove existing fill; protect, restore and enhance habitat along the mainstem and major tributaries; restore lateral channel migration to create new off-channel habitat; restore lateral channel migration areas where the channel is unnaturally confined and habitat-forming processes are not functioning																			
Capital Projects																			
Fish Passage To and From the Upper Green River Subwatershed (Pojrect UG-4) Upstream passage facility has been completed by TPU in 2004, Upstream fish passage currently being re-designed; funding for project construction is uncertain.	**1+**	Reintroduce fall Chinook salmon above Howard Hanson Dam. Downstream fish passage has been constructed. USACOE will construct and operate a downstream fish passage facility as part of the "Additional Water Storage Project".	USACOE	unknown	unknown	unknown	USACOE		Fish Blockage Removal		Chinook	Coho							

													2015		2016		2017		
Project Name	**Priority Tier**	**Project Description**	**Likely sponsor**	**Total cost of first three years/phases**	**Local Share**	**SRFB/PSAR**	**Source of Funds**	**Strategy/ Results Chains *New!***	**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																			
Totals				**$39,924,586**															
Non Capital Programs-Not Prioritized																			
Lead entity coordination			Lead entity	$225,000				All.					Staffing (1 FTE)	$75,000	Staffing (1 FTE)	$75,000	Staffing (1 FTE)	$75,000	Ongoing
Seahurst Environmental Learning Center (annual basis)			City of Burien and Environmental Science Center	$30,000				Protect and improve riparian vegetation. Protect											
Project Management and Public Outreach			WRIA Staff					Protect and improve riparian vegetation. Protect											
Stewardship & Educational Outreach			WRIA Staff					Protect and improve riparian vegetation. Protect and restore rearing and refuge habitat.											
Promote Planting of Native Trees - Soos Creek and Tributaries Knotweed and		Removal knotweed and revegetation using native trees within	Multiple stakeholders					Protect and improve riparian vegetation. Protect											
Increase/Expand Natural Yard Care Programs			Multiple stakeholders					Protect and improve water temperature. Protect water quality. Protect and											
Conduct Shoreline Stewardship Workshops and Outreach - Beach/Bluff Educational			Multiple stakeholders					Protect and improve riparian vegetation. Prevent											
Citizen Volunteer Forage Fish Monitoring Program			Multiple stakeholders					Protect and expand forage fish spawning areas.											
Expand/Improve Incentives Programs			Multiple stakeholders					Protect and improve riparian vegetation. Protect and restore											
Work with Co-Managers to integrate Hatchery & Harvest Practices with Habitat Plan Objectives			Multiple stakeholders					Employ live capture techniques. Modify hatchery practices.											

Legend:
Completed projects
New Projects added to this year's workplan