

## **Narrative to South Puget Sound 3-Year Project List**

The goal of the South Puget Sound Salmon Recovery Group is to use an ecosystem-based, multi-species approach to restore chinook, coho and other salmon species in the South Sound to a sustainable, harvestable level by ensuring that there are properly functioning nearshore and freshwater habitats that serve their spawning, rearing, refuge, feeding, physiological transition, and migratory needs.

For the short term, this plan addressed threatened Chinook salmon and bull trout in nearshore habitats. The South Sound Recovery Plan identified the following action objectives to address the human- induced stressors that are contributing to the status of the salmon in the nearshore.

- Shoreline Armoring
- Overwater Structures and Ramps
- Stormwater and wastewater
- Riparian Loss
- Wetland and Estuarine Modification
- Boat Traffic
- Invasive Species
- Shellfish Aquaculture

Since submission of the recovery plan in 2005, we have continued our efforts to understand how ecosystem stressors affect salmon populations, and identify specific recovery actions for specific geographic areas. The 3-year project list includes actions that address the nearshore stressors. We believe these projects will benefit multiple species, including chinook, bull trout, coho, chum, pink, steelhead, and other salmonids.

In addition to the nearshore actions, we include freshwater actions that address habitat concerns identified in limiting factors reports and lead entity strategies. Again, we believe these projects will benefit multiple species.

The technical committee is continuing to expand their analysis of the South Sound to better understand how habitat alterations have affected the Viable Salmonid Population parameters for multiple species. We included as a programmatic action ongoing facilitation of the technical committee, further development of the stressor models to be more explicit about effects on VSP parameters, and additional GIS data development. Another outcome of the technical committee will be the development of an adaptive management plan.

South Puget Sound Three-Year Freshwater and Nearshore Implementation Priorities																
WRIA 13 Freshwater																
Priority	Action	Likely Sponsor	Project or Program?	Status	Total cost of first three years	Proposed SRFB (or grant) share	Local share	Source of other funds	Year 1 Scope	Year 1 Cost	Year 2 Scope	Year 2 Cost	Year 3 Scope	Year 3 Cost	Likely end date	Add'l funds needed after 2009
High	Update LFA	TCD	Program	not started	\$100,000	\$85,000	\$15,000	unknown	coordinate committee, gather data	\$50,000	Compile report, review, publish	\$50,000			2008	
High	100 acres habitat on Deschutes, McLane or Green Cove / year as identified by EDT results	Capitol Land Trust	Project	negotiations	\$3,000,000	\$2,550,000	\$450,000	unknown	Identify strategic locations, negotiate with landowners, purchase property that cannot wait for results of grant round	\$1,000,000	Identify strategic locations, negotiate with landowners, purchase property that cannot wait for results of grant round	\$1,000,000	Identify strategic locations, negotiate with landowners, purchase property that cannot wait for results of grant round	\$1,000,000	Ongoing	\$1,000,000 / year
High	Implement two LWD projects on the Deschutes River or McLane Crk / year as identified by EDT results	SPSSEG or SIT	Project	negotiations	\$900,000	\$765,000	\$135,000	unknown	Identify willing landowner and local match source, design, permit and implement	\$300,000	Identify willing landowner and local match source, design, permit and implement	\$300,000	Identify willing landowner and local match source, design, permits and implement	\$300,000	Ongoing	300,000/year
High	Landowner outreach on the Deschutes, McLane and Green Cove basins, focusing on preservation and conservation.	SPSSEG, Stream Team, TCD	Project	not started	\$90,000	\$76,500	\$13,500	unknown	Develop scope, hire coordinator, survey residents	\$30,000	Town hall meetings, mailings, publications, survey	\$30,000	Town hall meetings, mailings, publications, survey	\$30,000	2009	
High	Complete an investigation of water owners in Tier One watersheds (Deschutes, McLane and Green Cove) to acquire water rights to augment flows	SIT and DOE	Project	not started	\$250,000	\$212,000	\$38,000	unknown	Assess current conditions, begin landowner outreach	\$75,000	Negotiate water rights purchases	\$87,500	Negotiate water rights purchases	\$87,500	Ongoing	\$90,000/yr
High	Work with Mason and Thurston CD's to implement alternate water sources for livestock	TCD, MCD, SPSSEG, SIT and WDFW	Project	ongoing	\$120,000	\$102,000	\$18,000	unknown	Site identification, cost-share to local landowners	\$40,000	Site identification, cost-share to local landowners	\$40,000	Site identification, cost-share to local landowners	\$40,000	Ongoing	\$40,000/yr
High	Target failing septic systems and fix, using Henderson as model	DOH, TCD, TC, SIT, others	project	ongoing in some areas	??	??										
High	Restore 500' linear feet of riparian corridor / year on each: the Deschutes and McLane	SPSSEG, SIT, TCD, Stream Team, others	project	sites being identified	\$120,000	\$102,000	\$18,000	unknown	Identify sites and willing landowners, create habitat planting plans, solicit volunteers, implement	\$40,000	Identify sites and willing landowners, create habitat planting plans, solicit volunteers, implement	\$40,000	Identify sites and willing landowners, create habitat planting plans, solicit volunteers, implement	\$40,000	Ongoing	\$40,000/year
High	Restore fish passage by removing the blocking culvert on Green Cove Creek at Country Club Rd	SPSSEG	project	Designs to 30%	\$2,000,000	\$1,700,000	\$300,000	unknown	Complete designs, permits, identify local match.	\$500,000	Final negotiations, construction, replant site	\$1,500,000			2008	none
High	Phase II of Ellis Creek fish passage: remove blocking culvert on Gull Harbor Rd	TC	project	Designs to 30%	\$1,200,000	\$800,000	\$400,000	Thurston county	Complete designs, permits.	\$300,000	Final negotiations, construction, replant site	\$900,000			2008	none
High	Restore one fish passage barrier identified from project development grant per year	SPSSEG, TC,	project	Designs to 30%	\$900,000	\$765,000	\$135,000	unknown	Landowner consent, complete designs, permits, implement, replant site	\$300,000	Landowner consent, complete designs, permits, implement, replant site	\$300,000	Landowner consent, complete designs, permits, implement, replant site	\$300,000	2011	\$600,000
High	Road abandonment and decommission in upper Deschutes and McLane to reduce fine sediment contribution		project	not started	??	??										
High	Develop and implement off-channel habitat creation and re-establishment opportunities (Anchor report, 2006). 0.25 acres total per year	SIT, SPSSEG, TCD	project	data gathered, implement recommendations	\$600,000	unknown	unknown	unknown	Landowner outreach and specific site choices, permits, designs, implementation.	\$200,000	Landowner outreach and specific site choices, permits, designs, implementation.	\$200,000	Landowner outreach and specific site choices, permits, designs, implementation.	\$200,000	2009	
High	Reduce nutrient sources as defined in the TMDL for correction	TCD, DOH, TC, SIT	project	data gathered, implement recommendations	??	??										
High	Purchase riparian easements on 20 acres of intact habitat per year on Deschutes, McLane and Green Cove	Capitol Land Trust	Project	negotiations	\$900,000	\$765,000	\$135,000	unknown	Landowner outreach and specific site choices, negotiate and purchase	\$300,000	Landowner outreach and specific site choices, negotiate and purchase	\$300,000	Landowner outreach and specific site choices, negotiate and purchase	\$300,000	ongoing	\$300,000/year
High	Expand current stream-typing assessment begun on Cooper and Dohmeyer Points the entirety of WRIA 13.	Washington Trout	Project	Ongoing in specific areas of WRIA 13	\$350,000	297,500	\$52,500	unknown	CIS layer creation, landowner letters to obtain permission, build partnerships.	75,000	On the ground surveys and data collection	\$175,000	Build interactive GIS layer for use by the public, work with DNR and Counties to upgrade current information.	\$100,000	2010	



WRIA 13 & 14 Nearshore																			
High	Create a South Sound Natural Resource Council that works together on issues such as water quality, habitat, tourism, economics, etc	SIT, MCD, TCD, SPSSEG, MC, TC, WDFW, Nisqually, PSAT, etc	Program	Expand current structure	\$500,000	\$425,000	\$75,000	unknown	Gather partners, discuss possible structure	\$200,000	Ensure participation from necessary entities, sign agreements, decide upon scope	\$150,000	Implement necessary projects and programs	\$150,000	ongoing	\$50,000			
High	Capital Lake Feasibility Study Phase III: Education and Outreach	TRPC	Project	ongoing	\$50,000	\$42,500	\$7,500	General Administration	Hold public meetings to deliver the results of the scientific research and gather feedback from the public, help voices be heard and determine best solution to the lake problem from a community standpoint	\$10,000	Hold public meetings to deliver the results of the scientific research and gather feedback from the public, help voices be heard and determine best solution to the lake problem from a community standpoint	\$15,000	Expand beach seining efforts, interpret the data	\$25,000	until decision is reached	\$15,000/yr			
High	Employ the modeling tools Ecopath or Ecosim for nearshore modeling	SIT, TC, MC, SPSSEG, USACOE	Project	data gathered	\$75,000	\$63,750	\$11,250	unknown	Choose model that fits the needs of South Sound and input data, make suggested changes	\$25,000	Continue to input data and make suggested changes	\$25,000	Expand beach seining efforts, interpret the data	\$100,000	ongoing	\$100,000/yr			
High	Expand current beach seining work	WDFW, SIT, Nisqually	Project	ongoing	\$300,000	\$255,000	\$45,000	SIT, WDFW, Nisqually	Expand beach seining efforts, interpret the data	\$100,000	Expand beach seining efforts, interpret the data	\$100,000	Gather data, field surveys, begin to build report and GIS layers	\$80,000	Gather data, field surveys, complete report, presentations to local groups	\$80,000	2009		
High	Conduct a forage fish assessment for all of South Puget Sound	SIT, SPSSEG, WDFW, PSAT, Nisqually, MC, TC	Project	complete in some areas	\$250,000	\$212,500	\$37,500	unknown	Gather data, field surveys, establish partnerships	\$90,000	Gather data, field surveys, begin to build report and GIS layers	\$80,000	Implement project	\$150,000	Implement project, create report	\$150,000	2011	\$150,000/yr	
High	Acoustic tagging of salmonid stocks for all of South Sound	SIT, Nisqually, WDFW	Project	Continue and expand existing efforts	\$450,000	\$382,500	\$67,500	unknown	Establish protocol, implement	\$150,000	Implement project	\$150,000	Expand current focus to a multi-species approach, make strategic project and program recommendations	\$50,000	Expand current focus to a multi-species approach, make strategic project and program recommendations	\$50,000	2009		
High	Planning and implementation of nearshore implementation group	SIT, WDFW	Project		\$150,000	\$127,500	\$22,500	SIT, WDFW, Nisqually	Expand current focus to a multi-species approach, make strategic project and program recommendations	\$50,000	Expand current focus to a multi-species approach, make strategic project and program recommendations	\$50,000	Outreach to shoreline and freshwater landowners, create stewardship, implement projects - high profile program with political bend	\$50,000	Outreach to shoreline and freshwater landowners, create stewardship, implement projects	\$50,000	ongoing	\$50,000	
High	Create a Shore Stewards program, outreach for project implementation	MCD, WSU ext, SPSSEG	Program	not started	\$150,000	\$127,500	\$22,500	unknown	Hire .5 FTE, purchase equipment and find office space, outreach to shoreline and freshwater landowners	\$50,000	Outreach to shoreline and freshwater landowners, create stewardship, implement projects - high profile program with political bend	\$50,000	Implement project	\$25,000	Implement project	\$25,000	ongoing	\$25,000/yr	
High	Establish a tax incentive program for shoreline landowners to preserve their property	MC, TC, MCD, TCD	Program	not started	\$75,000	\$63,750	\$11,250	unknown	Create partnerships, determine guidelines	\$25,000	Implement project	\$25,000	Site identification, landowner outreach, permits, project implementation	\$300,000	Site identification, landowner outreach, permits, project implementation	\$300,000	ongoing	\$300,000/yr	
High	WRIA 13 bulkhead removal - six sites or approximately 600' of shoreline	SPSSEG, SIT, PSAT	Project	Sites being identified	\$900,000	\$765,000	\$135,000	unknown	Site identification, landowner outreach, permits, project implementation	\$300,000	Site identification, landowner outreach, permits, project implementation	\$300,000	Site identification, landowner outreach, permits, project implementation	\$300,000	ongoing	\$300,000/yr			
High	WRIA 14 bulkhead removal - six sites or approximately 600' of shoreline	SPSSEG, SIT, PSAT	Project	Sites being identified	\$900,000	\$765,000	\$135,000	unknown	Site identification, landowner outreach, permits, project implementation	\$300,000	Site identification, landowner outreach, permits, project implementation	\$300,000	Identify sites, landowner outreach, design, permit, perform project	\$400,000	Identify sites, landowner outreach, design, permit, perform project	\$400,000	2009		
High	Perform four estuary connectivity projects within WRIA 13	SPSSEG, SIT, PSAT, TC	Project	Sites being identified	\$1,200,000	\$1,020,000	\$180,000	unknown	Identify sites, landowner outreach, design, permit, perform project	\$400,000	Identify sites, landowner outreach, design, permit, perform project	\$400,000	Identify sites, landowner outreach, design, permit, perform project	\$400,000	Identify sites, landowner outreach, design, permit, perform project	\$400,000	2009		
High	Perform four estuary connectivity projects within WRIA 14	SPSSEG, SIT, PSAT, MC	Project	Sites being identified	\$1,200,000	\$1,020,000	\$180,000	unknown	Identify sites, landowner outreach, design, permit, perform project	\$400,000	Identify sites, landowner outreach, design, permit, perform project	\$400,000	Identify sites, landowner outreach, design, permit, coordinate volunteers, perform project	\$40,000	Identify sites, landowner outreach, design, permit, coordinate volunteers, perform project	\$40,000	2017	\$40,000/yr	
High	Restore 2000' linear feet of nearshore shoreline habitat, planting	SPSSEG, Stream Team, MCD, TCD	Project	Sites being identified	\$120,000	\$102,000	\$18,000	unknown	Identify sites, landowner outreach, design, permit, coordinate volunteers, perform project	\$40,000	Identify sites, landowner outreach, design, permit, coordinate volunteers, perform project	\$40,000	Designs, permits	\$150,000	Implement project	\$225,000	2009		
High	Skookum creek estuary dike removal, 100 acres restored	SIT, SPSSEG, PSAT, WDFW	Project	negotiations	\$400,000	\$340,000	\$60,000	unknown	Finalize negotiations	\$25,000	Designs, permits	\$150,000	Permits, designs, implement	\$25,000	Permits, designs, implement	\$25,000	2009		
High	Remove two derelict boat ramps	SIT, SPSSEG, WDFW	Project	Sites being identified	\$60,000	\$51,000	\$9,000	unknown	Identify sites	\$10,000	Permits, designs, implement	\$25,000	Gather partners, determine scope of work, RFP	\$10,000	Hire consultant, conduct study	\$45,000	Conduct study, finalize report	\$45,000	2009
High	Conduct Goldsborough estuary study	SIT, SPSSEG, MC, City of Shelton	Project	not started	\$100,000	\$85,000	\$15,000	unknown	Gather partners, determine scope of work, RFP	\$10,000	Hire consultant, conduct study	\$45,000	Identify sites, establish partnerships, permits, design alternatives, implement projects	\$160,000	Identify sites, establish partnerships, permits, design alternatives, implement projects	\$160,000	2009		
High	Remove derelict creosote overwater structures and pilings, WRIA's 13 and 14	SIT, USACOE, DNR, TC, MC, City of Olympia	Project	not started	\$480,000	\$408,000	\$72,000	unknown	Identify sites, establish partnerships, permits, design alternatives, implement projects	\$160,000	Identify sites, establish partnerships, permits, design alternatives, implement projects	\$160,000	Funding to enable the Capitol Land Trust to perform the on-the-ground negotiations that will turn into protected property	\$25,000	Funding to enable the Capitol Land Trust to perform the on-the-ground negotiations that will turn into protected property	\$25,000	ongoing	\$25,000/yr	
High	Funding for acquisition project development and outreach	CLT	Project	ongoing	\$75,000	\$75,000			Funding to enable the Capitol Land Trust to perform the on-the-ground negotiations that will turn into protected property	\$25,000	Funding to enable the Capitol Land Trust to perform the on-the-ground negotiations that will turn into protected property	\$25,000	Negotiate with landowners, work with LE to identify sites, purchase property	\$1,500,000	Negotiate with landowners, work with LE to identify sites, purchase property	\$1,500,000	ongoing	\$1,500,000/yr	
High	Early action acquisition and easements for purchases that cannot wait for grants to appear - protecting priority habitat before it is lost to development	CLT	Project	Sites being identified	\$4,500,000	\$4,500,000			Negotiate with landowners, work with LE to identify sites, purchase property	\$1,500,000	Negotiate with landowners, work with LE to identify sites, purchase property	\$1,500,000	Finalize contract, protect property	\$75,000	Finalize contract, protect property	\$75,000	2008		
High	Acquire 80 acres of intact habitat on Tatten Inlet	CLT	Project	negotiations	\$700,000	\$595,000	\$105,000	unknown	Negotiate with landowners, legal representation	\$75,000	Finalize contract, protect property	\$625,000	Negotiate with landowners, legal representation	\$45,000	Finalize contract, protect property	\$725,000	2009		
High	Acquire 100 acres of intact habitat on Skookum Inlet	CLT, SIT	Project	negotiations	\$800,000	\$680,000	\$120,000	unknown	Negotiate with landowners, legal representation	\$30,000	Finalize contract, protect property	\$720,000	Negotiate with landowners, legal representation	\$15,000	Finalize contract, protect property	\$720,000	2009		
High	Acquire 50 acres of intact habitat on Oakland Bay	CLT, SIT	Project	negotiations	\$750,000	\$637,500	\$112,500	unknown	Negotiate with landowners, legal representation	\$30,000	Finalize contract, protect property	\$720,000	Negotiate with landowners, legal representation	\$15,000	Finalize contract, protect property	\$720,000	2008		
High	Acquire 30 acres of intact habitat on Budd Inlet, adjacent to Gull Harbor	CLT	Project	negotiations	\$750,000	\$637,500	\$112,500	unknown	Negotiate with landowners, legal representation	\$15,000	Finalize contract, protect property	\$735,000	Negotiate with landowners, legal representation	\$15,000	Finalize contract, protect property	\$720,000	2009		
High	Acquire 50 acres of intact habitat in a high priority site within the nearshore	CLT, SIT, SPSSEG	Project	negotiations	\$750,000	\$637,500	\$112,500	unknown	Negotiate with landowners, legal representation	\$15,000	Finalize contract, protect property	\$735,000					2008		

