Mid-Hood Canal Narrative for 2010 Three-Year Work Program

This narrative only covers the Mid-Hood Canal Chinook Salmon Chapter of the Salmon Recovery Plan, and not the Skokomish Chapter. This is due to the fact that the Skokomish Chapter is currently under review and is being significantly re-organized and structured to address comments from NOAA and the Puget Sound Partnership. NOAA RITT members and PSP staff are participating in that process.

Consistency Question

1. What are the actions and/or suites of actions needed for the next three years to implement your salmon recovery chapter as part of the regional recovery effort?
    - Significant conservation work is ongoing in the Dosewallips and Duckabush, though given the relatively small number of parcels, small size of anadromous zones in private property, and public perception of government buy-outs in south Jefferson County, the pace is deliberately slow and community-oriented. Regarding past efforts, Jefferson County is still working to complete the purchase of two estuary parcels in Duckabush from the year before last, the most important one (Duckabush Fire Station) of which now seems to be on track for completion in 2010. The Jefferson Land Trust is moving forward with the several conservation purchases in the anadromous zone of that watershed proposed and funded in the last couple of years, and facilitating the last couple of purchases proposed by the County. A new, very significant proposal has been developed and is being pursued in the next year for conserving the entire southern shore of the Dosewallips from the Forest Service down to the State Park in a collaborative effort, which should yield permanent protection of the riparian corridor and its functions for approximately 4 miles of river. Conservation work in the Hama Hama is not proposed as an immediate need in the Salmon Recovery Plan or 3YWP, given the stable ownership by one family dedicated to forestry.
    - Channel and floodplain restoration will be forwarded in the next 3 years by completing designs for at least 30 engineered log jams in both the Dosewallips and Duckabush Rivers and implementing those designs. Focal areas are Forest Service lands in the upper watersheds, public land along powerlines reach of the Dosewallips, and private lands in the middle reach of the Duckabush. We have a new implementation proposal from the Wild Fish Conservancy in 2010 for constructing at least 10 jams in the upper Dosewallips River, while we are beginning discussions with the Forest Service about mitigating road washout replacement in that watershed by picking up and implementing another 10 to 20 jams. A levee removal wase completed last year in the upper estuary reach of the Dosewallips. In addition, a geomorphic reach analysis will be completed this summer in the Dosewallips estuary reach on State Parks land by WFC to determine potential benefits from riprap and campground removal for 2010. We have had very positive discussions with State Parks regarding these opportunities. Also, a reach analysis has begun in partnership with Jefferson County to improve

habitat and mitigate flooding hazards at the Lazy C on the Dosewallips, hopefully reducing potential future harm from additional bank hardening.

- Estuary restoration is progressing with several smaller levee removals in the Dosewallips and Duckabush Rivers in the last few years. In the next 3 years we will seek to implement the recommendations from the geomporphic reach analysis described above for the Dosewallips. There are a few smaller projects in the Dosewallips estuary along blind tidal channels that we have not had success implementing due to landowner expectations. For the Duckabush, we are working on conserving a few smaller parcels of threatened land in the estuary along Pierce Slough/Creek, which we would hope could be enhanced in the coming three years with culvert replacement and channel/floodplain work (if money were available) as this is an important off-channel rearing area for summer chum and chinook salmon. Of particular concern at this point is our inability to begin to address the impacts of the earthen-filled causeway under Highway 101 at the Duckabush River, though the PSNERP process might help begin to address this stressor. In the Hama Hama estuary, the HCSEG is partnering with the landowner to install channel complexity, improve bank stability, and enhance access to a blind tidal channel system in the summer of 2010. We are hopeful of continuing to work with the landowners after this estuary project is completed to address the feasibility of improving connectivity of the mainstem to the upper estuary above Highway 101. Finally, many other non-natal nearshore habitat conservation and restoration projects are being implemented outside of these 3 main estuaries that will benefit chinook salmon recovery.
- Other than the USFS Wateshed Analyses and EDT analysis, we have limited information on the magnitude of sedimentation in these systems, though both document increases over natural conditions and potential negative consequences for fish VSP. In addition, very little work has been done to quantify in-channel scour/deposition of bedload, though anecdotal evidence suggests this may be a relatively bigger problem than road impacts in at least the 2 northern rivers. Actions outlined in the Salmon Recovery Plan call for decommissioning roads with high aquatic risk on US Forest Service lands. Very few roads exist in the upper Dosewallips, with the exception of the Rocky Brook drainage where the USFS continues to make slow but steady progress. A somewhat larger length of roads exists in the subwatersheds of the upper Duckabush River, with little progress made towards implementing goals. A significantly larger length of USFS and private logging roads exist in the watershed/subwatersheds of the Hama Hama River, also with very little progress made towards implementing goals. For context however, the USFS has been quite busy addressing this specific issue in the Skokomish River where the scale and impacts are hypothesized to be much more significant, re-directing most of their staff capacity and funding for this issue. Minimizing chronic bed scour/deposition impacting efficacy of spawning and incubating salmon is a focus being addressed in the next 3 years and beyond by channel/floodplain/riparian restoration described above, mostly in the Dosewallips and Duckabush Rivers.

- Finally, riparian conservation/restoration is a fundamental building block documented by the Salmon Recovery Plan and supported by EDT. Several site specific projects have occurred, and several others are proposed in the 3YWP. We are currently implementing a Riparian Habitat Assessment and developing prescriptions for both public and private lands to move them to more functional, late successional stages, at a more comprehensive scale, with a proposal forwarded in 2009 for 2010 implementation. In that process, we have identified several locations already that are ripe for additional riparian enhancement and are taking steps to develop those projects, find project sponsors and contacting landowners. A comprehensive knotweed assessment and control effort will begin in the Spring of 2010 using funding from a SRFB grant. Both knotweed and Butterfly bush have been identified in the Dosewallips and will be assessed and control work begun in accordance with the Hood Canal Regional Knotweed Control Strategy. A knotweed assessment will also take place on the Duckabush River.

Pace/Status Question

1. What is the status of actions underway per your recovery plan chapter? Is this on pace with the goals of your recovery plan?
   - See above. Generally, we are making slow but steady progress. Much of what was outlined in the high implementation category for our 10 year goals has either been achieved or is achievable if funding were increased, while some unforeseen progress has been made on the low implementation potential category. Given lower-than-hoped-for funding levels, landowner expectations, and capacity issues at many levels, it would be fair to say we are not quite meeting the pace outlined in the Salmon Recovery Plan.
2. *An excel document is attached which includes a spreadsheet called 'PSP Staff Work - Watershed Goals.' This spreadsheet will be filled out by PSP staff based on your watershed chapter plan to identify the 10-year recovery goals & objectives. PSP staff will send each watershed this information in preparation for the three-year work plan update process. This spreadsheet is to help track progress (and changes) toward recovery goals.* What is the general status of implementation towards your habitat restoration, habitat protection, harvest management, and hatchery management goals? Progress can be tracked in terms of 'not started, little progress, some progress, or complete' or in more detail if you choose.

Sequence/Timing

1. What are the top implementation priorities in your recovery plan in terms of specific actions or theme/suites of actions? How are these top priorities being sequenced in the next three years? What do you need to be successful in implementing these priorities?
   - Speaking for habitat only, the EDT analysis suggested that all projects identified would basically need to be implemented to recover habitat enough to meet VSP goals, depending on intensity and efficacy of implementation. So our questions have been not which projects need to be done, but how to accomplish each project listed in the right sequence of highest benefit. In most cases, the major sequencing issue is property ownership/landowner willingness and whether or not

conservation needs to be pursued before implementing an action. Exceptions exist however about logistical sequencing, such as the concern about re-establishing the northern estuarine distributary in the Duckabush without first having raised the causeway so we don't wash out Highway 101. Thus the short answer to this question is which of the identified projects are ready to implement next logistically, but based on the principle of not implementing a lower priority project (as identified by EDT) "in lieu of" a higher priority project with the funding available.

Next Big Challenge

1. Do these top priorities reflect a change in any way from the previous three-year work program? Have there been any significant changes in the strategy or approach for salmon recovery in your watershed? If so, how & why?
   - No
2. What is the status or trends of habitat and salmon populations in your watershed?
   - Status and trends of habitat is unknown, though the trend in the regulatory protections theme is towards an improving set of protections via SMP and CAO regulation updates, and the trend in the voluntary habitat restoration/conservation theme is towards an improving set of conditions as well.
   - Trends for chinook salmon in the Mid-Hood Canal population is level or declining, I believe, and dangerously low. However, that discussion is on-going!
3. Are there new challenges associated with implementing salmon recovery actions that need additional support? If so, what are they?
   - At this point, we don't know of new challenges other than climate change. If support could be leveraged, it would be to address the two largest issues remaining that were identified in the very beginning of this process, including constrictions caused by Highway 101 and understanding and addressing the impacts of public and private logging roads in the upper watersheds.

Three-Year Watershed Implementation Priorities for Hood Canal Coordinating Council

Costs are from Recovery Plan estimates and comparables methods
Yearly costs are preliminary estimates to be developed further with project sponsors
Prioritization to be determined by Lead Entity Committees, regional participants, and governments
Total Costs represent multiple years worth of projected costs
Annual costs represent money obtained and/or spent during calendar year
Projects represent all 4 priority Domains to allow more comprehensive tracking of salmon recovery while supporting community values.

Domain	Definition
1	Domain 1 represents natal freshwater and sub-estuarine habitats for 7 extant summer chum subpopulations, 2 extant chinook populations, and 1 extant bull trout subpopulation in the HCCC LE area
2	Domain 2 represents natal freshwater and sub-estuarine habitats for 3 re-introduced extinct summer chum subpopulations and all significant nearshore habitats in the HCCC LE area.
3	Domain 3 represents natal freshwater and sub-estuarine habitats for all remaining extinct summer chum and chinook subpopulations in the HCCC LE area.
4	Domain 4 represents all other habitats including nearshore areas not labeled as significant

Domain Priority	Bio Rank / EDT	Primary Limiting Factors	Action name and description	Likely sponsor	Total cost	Unfunded Portion	Existing Funding	Source of other funds	2007 Scope	2007 Cost	2008 Scope	2008 Cost	2009 Scope	2009 Cost	2010 Scope	2010 Cost	2011 Scope	2011 Cost	2012 Scope	2012 Cost	2013 Scope	2013 Cost	Restor-ation Type	Location w/in watershed	Performance	Brief Description	Action #	HWS link	HWS link Cont.	3 YWP Project Name
CAPITAL PROJECTS																														
Habitat Capital Projects																														
Mid-Hood Canal																														
1	1 of 17	1,3	USFS/Upper Dosewallips wood-riparian restoration phase 1	WFC, USFS, Tribes	$2,219,570	$1,900,000	$319,570	PSP, USFS, SRFB	Funding Strategy; Coordination		Feasibility/Design	$100,000	Feasibility/Design cont'd	$100,000	finish designs, permitting, scope LWD sources; riparian assessment	$19,570	finish permitting and construct 10-20 ELJs; some planting; more design work	$1,000,000	More design phases and Riparian Planting	?	finish permitting and construct 10-20 ELJs; some planting; more design work	$1,000,000	I,F,R	Mainstem	4 miles	Place log jams and increase wood loading by helicopter and/or conventional means in strategic locations, including 6 mile bridge, FS boundary, above Camp Acacia, Steelhead Campground, and below road washout	33,34,36, 37,38,40	04-01-000		USFS/Upper Dosewallips wood-riparian restoration phase 1
1	4,6,9,5 of 17	1,3,5	Powerlines, Lazy C, Southshore riparian--floodplain protection Lower Dosewallins	Jefferson Land Trust, State Parks, Jefferson County, HCCC, TNC	$2,000,000	$862,580	$1,137,420	PSP, RCO, Jefferson County, SRFB	Begin to implement Dosie Acquisition Phase 2	$163,590	Begin to implement Mid-HC Dosie Acquisition 2007	$209,000			Begin to implement Mid-HC Dosie Acquisition 2009 and State Park Acquisition	$764,830	Community Outreach, Planning and Transactions	?	Community Outreach, Planning and Transactions	?	Community Outreach, Planning and Transactions	?	L	Mainstem	300 acres potential; 157 acres in process	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort	20,25,32	04-02-001, 04-02-002, 04-02-003, 04-02-004		Powerlines, Lazy C, Southshore riparian-floodplain protection Lower Dosewallins
1	6 of 17	1,3	Powerlines Lower Dosewallips wood-riparian restoration	WFC, USFS, Tribes, County	$735,000	$734,000	$1000+	PSP, USFWS	Conifer Plantings	$1,000	Feasibility/Design and Landowner Discussions	some work conducted as part of Upper Dose wood project	more outreach and land transactions	some work conducted as part of other projects	some design work; Riparian Assessment; Exotic Control, sponsor dev't	?	Design phase?; Riparian Planting and exotic control	?	Permitting and Construction; More design phases; Riparian Planting and exotic control	?	monitoring; riparian planting and exotic control	?	I,F,R	Mainstem		Improve instream wood loading rates and riparian conditions in the Powerlines Reach	21,23,24	Not in HWS		Powerlines Lower Dosewallips wood-riparian restoration
1	7,5,9,5 of 17	1,2,3,5,7	Lower Dosewallips floodplain/estuary restoration and Dosewallips Estuary Phase 2	WFC, Tribes, State Parks	$1,400,000	$343,000	$1,057,000	PSP, State Parks, IBA, SRFB, USFP	Landowner Outreach, plantings, design, and permitting	$150,000	Reach Assess, construction (remove 5000 RB levee below 101, installed 5 ELJs)	$250,000	Deconstruct RB levee above SR101, cont. reach assessment, Planting 0.5 acre	$300,000	Finish reach assessment, planting and maintenance, Monitoring, $ strategy	$100,000	RB armor and fill removal below 101 2000ft plus habitat and planting; land transaction?	$600,000	Outyear planning for Brinnon levee improvement and Sylopash Slough; Monitoring	?	monitoring	?	I,E,F,R	Estuary, Mainstem	40 acres marsh, 10000 ft levees, 2000ft armor removal, 5 ELJs, multiple plantings	Improve riparian conditions, tidal inundation, and floodplain connection; feasibility study included	3,5,6,7,9,11,1 6	04-03-004	04-03-005	Lower Dosewallips floodplain/estuary restoration and Dosewallips Estuary Phase 2
1	16 of 17	2,7	Wolcott Slough Fishtrap Removal	HCSEG	$78,000	$0	$78,000	ESRP	Permitting, Construction	$78,000	Monitorine	?	Monitorine	?	Monitorine	?	Monitorine	?					E	Estuary	15 acres	Remove USFWS fishtrap and regrade salt marsh and tidal channels	14	04-03-002		Wolcott Slough Fishtrap Removal
1	10 of 17	3,4,5	USFS road decommission Dosewallins	USFS, Tribes, HCSEG	$226,500	$226,500	$0	USFS, federal approp.									Design, Permitting	$40,000	Construction	$186,500	Construction	$186,500	U	Headwater	6.5 miles	Decommission high priority roads for aquatic risk or convert them to trails	27,28,41	04-06		USFS road decommission Dosewallins
1	2,5,5 of 7	1,2,3,5	Lower and Middle Duckabush riparian-floodplain protection	Jefferson County and Jefferson Land Trust	$2,000,000	$1,321,048	$678,952	PSP, RCO, Jefferson County, SRFB	Community Outreach		Begin to implement Mid-HC Dosie Acquisition 2007	$303,000			Begin to implement Mid-HC Dosie Acquisition 2009	$375,952	Community Outreach, Planning and Transactions	?	Community Outreach, Planning and Transactions	?	Community Outreach, Planning and Transactions	?	L	Mainstem	200 acres potential; 26 acres in process	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort	11,14	05-02-000	05-02-001	Lower and Middle Duckabush riparian-floodplain protection
1	2 of 7	1,3	Lower Duckabush riparian-floodplain restoration Phase 1	WFC, Jeff County, JLT	?	?	?	PSP, RCO, SRFB							Reach Assessment, Landowner Outreach		Feasibility/Design, Landowner Outreach; Permitting and Construction	?	Feasibility/Design, Landowner Outreach; Permitting and Construction	?	Continued Design, Permitting	?	I,E,F,R	Mainstem		Improve instream wood loading rates and riparian conditions in the Lower Duckabush after protection efforts have advanced	11	Not in HWS		Lower Duckabush riparian-floodplain restoration Phase 1
1	3 of 7	3,4,5	USFS road decommission Duckabush	USFS, Tribes, HCSEG	$370,500	$370,500	$0	USFS, federal approp.							Design, Permitting	$40,000	construction	$330,500	construction	$330,500			U	Headwater	8.7 miles	Decommission high priority roads for aquatic risk or convert them to trails	9,10	05-06		USFS road decommission Duckabush
1	1,5 of 7	1,3	Middle Duckabush wood-riparian restoration phase 1	WFC, USFS and Tribes	$2,219,570	$2,000,000	$219,570	PSP, USFS	Funding Strategy; Coordination		Feasibility/Design	$100,000	Feasibility/Design cont'd	$100,000	finish designs, permitting, scope LWD sources; riparian assessment	$19,570	finish permitting and construct 10-20 ELJs; some planting; more design work	$1,000,000	More design phases and Riparian Planting	?	finish permitting and construct 10-20 ELJs; some planting; more design work	$1,000,000	I,F,R	Mainstem		Place log jams and increase wood loading by helicopter and conventional means in strategic locations	12,13	05-01-000		Middle Duckabush wood-riparian restoration phase 1
1	4,5 of 7	1,2,3,7	SR101 Causeway Replacement Duckabush	Army Corps, multiple?	$20,000,000	$20,000,000	$132,140	PSAWR, ESRP, FHA, WSDOT, SRFB	101 estuary causeway removal study committed nreviously	$132,140							Feasibilty	$200,000	Design	$200,000	Design	$200,000	E	Estuary		Continue feasibility studies to address benefits for retrofit, alternatives, and costs along the Duckabush causeway	2,3,5,6,7	PA 01-01-002		SR101 Causeway Retlacement Duckabush
1	7 of 7	2,7	Robinson Road Levee Removal Duckabush	HCSEG	$167,000	$0	$167,000	PSP	Design and permitting	$20,000	Construction	$147,000	Monitoring	?									E	Estuary	2.6 acres	Obliterate levee on WDFW property, remove exotic invasive plant species	4	05-03-000		Robinson Road Levee Removal Duckabush
1	7 of 7	1,2,3,7	Pierce Creek culvert at Shorewood RD	Jefferson County and Jefferson Land Trust	$235,000	$225,000	$10,000	PSP, ESRP, SRFB					Design	$10,000	property transactions	cost included above	final design and permitting	$25,000	construction	$200,000	monitoring	?	E,P	Estuary		Improve tidal inundation and fish passage under Shorewood Road	8	05-04-000		Pierce Creek culvert at Shorewood RD
1			Duckabush Fire Station Fill Removal	HCSEG	$170,000	$150,000	$20,000	SRFB, PSAR,					preliminary design	$10,000	land transaction, final design	10000	construction and planting	$150,000						Estuary	2 acres	Remove landfill and replant streamside and upper estuary once property has been acquired through existing grant		05-03-001		Duckabush Fire Station Fill Removal
1	4,5 of 6,5	1,2,7	Hama Hama Estuary Restoration	HCSEG	$620,000	$426,000	$194,000	SRFB, ESRP, NFWF, ESRP,	Landowner Discussion and Design	$20,000	Design and permitting	$30,000			Construction (funds needed) and more design	$250,000	Design, landowner outreach	$20,000	Construction	$300,000	?	?	I,W,E,P	Estuary	50 acres	Restore connectivity to north distributary and estuary above 101 where feasible	7	08-03-000		Hama Hama Estuary Restoration
1	4,5 of 6,5	1,3	Upper Hama Hama riparian restoration	USFS	$100,000	$100,000	$0	USFS, federal approp., other							Inventory, Exotic Control and Planting	$30,000	Inventory, Exotic Control and Planting	$30,000	design, planting, exotic and upland control	$35,000	planting, exotic and upland control	$35,000	R	Mainstem		Improve riparian conditions in non-anadromous reaches to address identified sediment and temperature inputs	12,13,14	Not in HWS		Upper Hama Hama riparian restoration
1	6,5 of 6,5	3,4,5	USFS road decommission Hama Hama	USFS, Tribes, HCSEG	$1,048,500	$1,048,500	$0	USFS, federal approp.									Design, Permitting	$100,000	Permitting and Construction	$500,000	?	?	U	Headwater	27.1 miles	Decommission high priority roads for aquatic risk or convert to trails	7,8	08-06		USFS road decommission Hama Hama
1	NM	4,5	USFS Road Drainage and Stabilization	USFS	?	?	$0	USFS, federal approp.			Permitting, Construction	$100,000	Permitting, Construction	$100,000	Permitting, Construction	$100,000	Permitting, Construction	$100,000	?	?	Permitting, Construction	?	U	Headwater	?	Stabilize high priority roads for aquatic risk; ongoing USFS maintenance		08-06		USFS Road Drainage and Stabilization
										$564,730		$1,239,000		$620,000		$1,709,922		$3,595,500		$1,752,000		$2,421,500							
Skokomish-Lilliwaup																														
1		1,3,4,5,6,7	Army Corps General Investigation for restoration feasibility	Skokomish Tribe and Mason County,USACE	$1,970,276	$200,000	$1,770,276	federal approp, Mason County, Skok Tribe	Cost share agreement, assessments	$1,041,276	Assessment	$300,000	Assessment	$429,000	Develop alternatives, crated PMP	$200,000	Select preferred alternative and begin documentation	$0	Complete EIS	$0				Mainstem		Complete general investigation as a mechanism for a consensus-based road map to improving floodplain and channel functions		10-01		Army Corps General Investigation for restoration feasibility
1		1,3,4,5	Vance Creek Restoration	Skokomish Tribe	$130,000	$0	$130,000	SRFB, PSP, Skok Tribe			BOR selected, asses's desirned, outreach	$30,000	Assessment Completed	$100,000	design completed, funding strategy	?	Construction, More Design	?	Construction, More Design	?			F,I,L	Mainstem	1 mile of stream	Conduct landowner outreach, survey, and design for conservation and restoration actions in the summer chum and chinook reaches; construct in phase 2		10-01-008		Vance Creek Restoration
1		2,7	Skokomish Estuary Restoration Phase 2 - Nalley Island	Skokomish Tribe	$4,900,000	$100,000	$4,800,000	PSP, Mason PUD, SRFB, NOAA, USFWS	Design	?	Design	$50,000	Final Design, Permitting	$50,000	Final Design, construction, monitorine	$4,700,000	monitorine	$50,000	monitorine	$50,000	monitorine	$50,000	E	Estuary	400 acres, remove 10 miles levees, roads, ditches	Obliterate levees, borrow ditches, and tidegates on Nalley Island; install new powerlines with Mason PUD		10-03-001		Skokomish Estuary Restoration Phase 2 - Nalley Island
1		2	Skokomish Estuary Restoration Phase 3- Skokomish Flats	Skokomish Tribe	$195,000	$195,000	$0	ESRP, PSP, SRFB, NOAA							Design, funding strategy	$25,000	permitting and construction	$150,000	monitorine	$10,000	monitorine	$10,000		Estuary	10 acres, 10000 ft levee	Lower berm in Phase 1 down further in limited area, remove bridge landing, topography modification, restore hydrology across Skok Flats RD		Not in HWS		Skokomish Estuary Restoration Phase 3- Skokomish Flats
1		2,7	Skokomish Estuary Restoration Phase 4- Eastshore 6 acre fill removal	Skokomish Tribe	$400,000	$400,000	$0	ESRP, PSP, SRFB, NOAA									property transactions	$200,000	design and permitting	$25,000	construction	$175,000	E, L	Estuary	6 acres	Remove fill and old access road in the eastern cell of the lower Skokomish Estuary		Not in HWS		Skokomish Estuary Restoration Phase 4- Eastshore 6 acre fill removal
1		2	Skokomish Estuary Restoration Phase 5 - Westshore Road Estuary Remediation	Skokomish Tribe	$200,000	$200,000	$0	ESRP, PSP, SRFB, NOAA							Scope preliminary design, funding strategy	$10,000	design and permitting	$30,000	construction	$150,000	monitorine	$10,000		Estuary	40 acres, multiple improved road crossings	Retrofit powerline access road crossings at key tidal channels, reroute road where necessary		Not in HWS		Skokomish Estuary Restoration Phase 5 - Westshore Road Estuary Remediation
1		2,3,7	Potlach State Park Restoration	Skokomish Tribe and WA State Parks	$125,000	$120,000	$5,000	IBA					design	$5,000			design, permitting	$20,000	construction; scope shoreline remediation	$100,000	preliminary design		M	Marine	600 ft new channel, remove 1 barrier	Reroute Potlach Creek; investigate fill removal in historic salt marsh; revegetate shoreline		Not in HWS		Potlach State Park Restoration
1		7	Lake Cushman passage down/upstream	Tacoma Power	?			TP	settlement talks		settlement talks		agreement		FERC license and design		construction		monitorine		monitorine		P	Mainstem	Remediate fish barrier	Create upstream and downstream passage past Cushman Project		Not in HWS		Lake Cushman passage down/upstream
1		1,3,4,5,6	North Fork Flow Restoration	Tacoma Power	$1,500,000	$0	$1,500,000	TP	Construction	$1,500,000	Implementation; Hydrological Assessment for next phase	?	implementation of early components	?	implement additional components after License issued	?	adaptive measurement		adaptive measurement		adaptive measurement		I	Mainstem	Increased flows	Add Cone Valve to Cushman Project to allow quantity and quality of outflow to improve North Fork and Skokomish Mainstem; continue discussions on re-establishing normative flow regime; implement		Not in HWS		North Fork Flow Restoration
4		1,3,5,6,7	Gibbons Creek Fish Passage with Bridge	GD, USFS, MCD	$300,000	$300,000	$300,000	SRFB, Joint Venture, GD			design, permitting	$50,000	construction	$250,000									P	Tributary	remove 1 barrier, install LWD	Fish passage and stream improvement to a significant amount of spawning and rearing area for steelhead and cutthroat		10-04-000		Gibbons Creek Fish Passage with Bridge
4			Frigid Creek Culvert Replacements	GD, USFS, MCD	$350,000	$350,000	$350,000	GD, Joint Venture					reconn		preliminary design		design and permitting	$50,000	construction	$300,000			P	T	remove 2 barriers	2 fish passage projects at upper extent of Frigid Creek for steelhead (?) and cutthroat		Not in HWS		Frigid Creek Culvert Replacements
3		1,3,5,6,7	McTaggert Diversion Dam Removal	Tacoma Power	?	?	?	TP					design, permitting, construction	?	monitorine	?							P+	Tributary	remove 1 barrier, restore X cfs to north fork	Remove Tacoma Power diversion dam in upper North Fork Skokomish to restore fish passage, habitat, and water quantity		Not in HWS		McTaggert Diversion Dam Removal
3			McTaggert Culvert Replacements	Tacoma Power	?	?	?	USFS?, TP?			preliminary design		design, construction, monitorine	?	monitorine	?							P	Tributary	remove 2 barriers	Replace 2 fish passage barriers in upper North Fork Skokomish		Not in HWS		McTaggert Culvert Replacements
1		1,3	Lower Skobob Creek Complexity	Skokomish Tribe	$125,000	$125,000	$0	IBA, PSP,									design, funding strategy	$5,000	design, permitting, construction	$120,000			I,W	Tributary	4000 feet	Place woody debris by helicopter to improve rearing habitat in tidal creek system		Not in HWS		Lower Skobob Creek Complexity
1			ELJs in mainstem, Vance	Skok Tribe, multiple	?	?	?	SRFB, PSP, Corps, Skokomish	coordinate with GI	$0	coordinate with GI	$0			design, permitting in mainstem, Vance	?	design, permitting	?	design, permitting, construction	?	design, permitting, construction	?		Tributary	?	General category of restoration as a placeholder for results of General Investigation		Not in HWS		ELJs in mainstem, Vance
1		1,3,5	Five Mile Creek Engineered Log Jams	MCD	$95,000	$0	$95,000	CSF, NRCS WHIP, SRFB					design, permitting	?	construct	$95,000							I,F	Mainstem	460 feet	Install 5 log jams approximately 1/2 mile upstream of old North Fork confluence		10-01-005		Five Mile Creek Engineered Log Jams
1			ELJs in North Fork	Skok Tribe	?			SRFB, PSP, Skokomish					Global agreement		FERC license issued?, recovery plan finalized, project planning		design, permitting, construction	?	design, permitting, construction	?	design, permitting, construction	?		Tributary	multiple miles	General category of restoration as a placeholder for results of license agreement and subsequent planning for spring chinook		Not in HWS		ELJs in North Fork
1		1,3	Upper South Fork, Holman Flats, and Tributary Floodplain-Channel-Rinarian Restoration	Skokomish Tribe and USFS	$1,330,000	$80,000	$1,250,000	SRFB,PSP, USFWS,NFWF, USFS, TP			feasibility	$63,500	design, permitting	$140,000	final design, wood stockpiling, construction	$1,030,000	monitoring, begin new design on TP land	?	design and permitting; construction TP South Fork	?			I,F	Mainstem	4 miles	Haul woody debris by helicopter and place in channel by conventional means; start in USFS and TP Holman Flats and move through upper south fork and tributary junctions; riparian plantings		10-01-004, 10-01-007		Upper South Fork, Holman Flats, and Tributary Floodplain-Channel-Riparian Restoration
1		1,3,4,5,6,7	Car-body Levee Removal and Channel Complexity	Mason CD, NRCS, Skok Tribe, and/or landowner	?	?	?	NRCS, TP, SRFB, PSP, Corps			Design within GI	$0	Design within GI	$0	Design within GI	$0	design and permitting	?	Construct	?	monitorine	?	I,F,R	Mainstem	1.5 miles	Deconstruct levee system at historic confluence of North and South Forks, enhance resulting channels		Not in HWS		Car-body Levee Removal and Channel Complexity
1		1,3,4,5,6,7	Skokomish River and Bourgault Road Partial Removals	Tribe	$90,000	$0	$90,000	USFWS, WSDOT			design	$0	design within GI	?	construction, monitorine	$90,000	monitorine	?	monitorine	?	assess remaining roadway	?	F,W	Mainstem	0.5 miles	Deconstruct abandoned road system to reconnect adjacent wetlands and floodplains to the lower Skokomish River; Bourgault was WSDOT mitigation site, River RD was USFWS funded		Not in HWS		Skokomish River and Bourgault Road Partial Removals
1		1,3,4,5,6,7	Dike Removal and/or setbacks-TBD by GI	multiple	?	?	?				design within GI	$0	Design within GI	$0	Design within GI	$0	design and permitting	?	design and permitting and construction	?	additional construction	?	L,W,R,F	Mainstem	?	General category of restoration as a placeholder for results of General Investigation		Not in HWS		Dike Removal and/or setbacks-TBD by GI
1		1	SR101 and SR106 road prisms/bridges - TBD by GI	WSDOT, multiple	$10,704,510	?	$10,704,510	WSDOT, FHA	moving ahead with Purdy, wait to coord on others with GI	$0	construct Purdy	$5,210,390	construct, more design within GI	$5,494,120	Design within GI	$0	design and permitting	?	construct, more design	?	?	?	W,F	Mainstem		In addition to general category of restoration as a placeholder for results of General Investigation, also includes Purdy Creek 101 rebuild		Not in HWS		SR101 and SR106 road prisms/bridges - TBD by GI
1		1,5,6	Silviculture Treatments for increased hydrologic maturity	USFS, SWAT	?	?	?	federal approp., PSP, stewardship excess?					design, permitting	?	implementation, design, permitting	?	implementation, design, permitting	?	implementation, design, permitting	?	implementation, design, permitting	?	U	Headwaters		Increase hydrologic maturity within Skokomish basin		Not in HWS		Silviculture Treatments for increased hydrologic maturity
1		1,3,4,5,6,7	Protect habitats through conservation tools	multiple	$7,000,000	$4,000,000	$3,000,000	SRFB, PSP, TP, Mason County, TPN	strategy, landowner outreach, land transactions	$0	strategy, landowner outreach, land transactions	$0	strategy, landowner outreach, transactions (CREP, floodplain easement)	$300,000	strategy, landowner outreach, transactions (estuary, Purdy parcels, confluence)	$2,000,000	strategy, landowner outreach, transactions	?	strategy, landowner outreach, transactions	?	strategy, landowner outreach, transactions	?	I	Mainstem	700 acres, 4 miles	Protect high quality habitats and purchase impaired habitats for future restoration		10-02		Protect habitats through conservation tools
1		1,3,4,5	Farm Plans and BMPs	MCD, multiple	$550,000	$300,000	$250,000	NRCS, MCD, Landowner	landowner outreach, fencing, farm plans	$50,000	landowner outreach, fencing, farm plans	$50,000	landowner outreach, fencing, farm plans	$50,000	landowner outreach, fencing, farm plans	$100,000	landowner outreach, fencing, farm plans	$100,000	landowner outreach, fencing, farm plans	$100,000	landowner outreach, fencing, farm plans	$100,000	R	Mainstem and Tributaries	2 miles	Work with Mason Conservation District and private landowners to improve stewardship through public incentive programs such as Farm Plans Cost Share, Environment Quality Improvement Program, Wildlife Habitat Improvement Program, and BMP construction		Not in HWS		Farm Plans and BMPs

Prosects represent all 4 priority Domains to allow more comprehensive tracking of salmon recovery while supporting community values.

Domain Priority	Bio Rank / EDT	Primary Limiting Factors	Action name and description	Likely sponsor	Total cost	Unfunded Portion	Existing Funding	Source of other funds	2007 Scope	2007 Cost	2008 Scope	2008 Cost	2009 Scope	2009 Cost	2010 Scope	2010 Cost	2011 Scope	2011 Cost	2012 Scope	2012 Cost	2013 Scope	2013 Cost	Restoration Type	Location w/in watershed	Performance	Brief Description	Action #	HWS link	HWS link Cont.	3 YWP Project Name
1		1,3,4,5	Riparian plantings and noxious weed control	MCD, multiple				NRCS, USDA, SRFB, PSP					design, scoping, planintg		scoping, planting, inventory and control		scoping, planting, inventory and control		scoping, planting, inventory and control		scoping, planting, inventory and control			Mainstem and Tributaries	4 miles	MCD and Mason County Noxious Weed Board to conduct outreach to private and public landowners to control knotweed and plant both agricultural openings and existing, alder-dominated riparian areas		10-05	18-02	Riparian plantings and noxious weed control
1		4,5,6,7	USFS Road Decommission - North Fork 14km	USFS and SWAT	?												design, permitting	$30,000	construction	?			U	Headwaters	8.7 miles	Decommission high priority roads for aquatic risk		10-06-004		USFS Road Decommission - North Fork 14km
1		4,5,6,7	USFS Road Decommission - South Fork 93km	USFS and SWAT	$10,033,400	$9,433,400	$600,000	federal approp, SRFB, PSP, EPA, USFS	construction, design, permitting	?	construction, design, permitting	$600,000	construction, design, permitting	$3,010,020	construction, design, permitting	$3,511,690	construction, design, permitting	$2,911,690	construction, design, permitting	?	construction	?	U	Headwaters	70.5 miles	Decommission high priority roads for aquatic risk		10-06-003		USFS Road Decommission - South Fork 93km
1		4,5,6,7	USFS Road Decommission - Vance Creek 6km	USFS and SWAT	?												design, permitting	$30,000	construction	?			U	Headwaters	3.7 miles	Decommission high priority roads for aquatic risk		10-06-011		USFS Road Decommission - Vance Creek 6km
1		4,5,6,7	Road Drainage and Stabilization - South Fork	USFS and SWAT	$2,128,400	?	?	federal approp, SRFB, PSP, EPA, USFS	planning, permitting, construction	?	planning, permitting, construction	$638,460	construction, BMPs	$744,970	construction, BMPs	$744,970	?	?	?	?	?	?	U	Headwaters	149 miles	Stabilize roads to reduce aquatic risk		10-06-002		Road Drainage and Stabilization - South Fork
1		4,5,6,7	Road Maintenance	USFS and SWAT	476,250	?	?	federal approp, SRFB, PSP, EPA, USFS	construction	?	construction	$142,875	construction	$166,688	construction assessment and design	$166,687	construction	?	construction	?	construction	?	U	Headwaters		Maintain roads to redue aquatic risk through annual maintenance program		Not in HWS		Road Maintenance
1		1,2,3,7	Lillwaup Instream Restoration	LLTK	60,000	0	$60,000	SRFB, in-kind								$60,000	?	?	construction	?			LE,R,F	Mainstem	4000 feet	Work with landowners to design restoration project to remove fill and aggraded sediments in lower floodplain, enhance woody debris, and replant riparian areas		09-01-000		Lillwaup Instream Restoration Design
										$2,591,276		$7,135,225		$10,739,798		$12,733,347		$3,576,690		$855,000		$345,000							
Eastern Straits																														
1		2,3,5,7	Snow/Salmon Estuary and Wood Waste Restoration, plus	NOSC, WDFW, DNR, JCD	$1,690,215	$0	$1,690,215	DNR, WDFW, NOAA, PSP, SRFB, Oil Spill	final design, permitting, derelict building removal	$100,000	construction, restoration	$1,590,215	monitoring, planning, planting	$20,000	monitoring and planning	?	monitoring	?	monitoring	?			E	Estuary	20 acres	Remove abandoned wood waste pile, remove derelict structures and remediate soil, create new habitat south of highway		01-03-003; 01-03-002; 01-03-000; 01-03-001		Snow/Salmon Estuary and Wood Waste Restoration, plus
1		2,7	Snow/Salmon Estuary Railroad Grade Removal Feasibility and Design	NOSC, WDFW, JCD	$100,000	$0	$100,000	SRFB, PSP	scoping	$0	feasibility and design	$100,000	preliminary designs and partner coordination										E	Estuary		Assess options for removing railroad causeway in lower estuary		01-03-005		Snow/Salmon Estuary Railroad Grade Removal Feasibility and Design
1		2,3,5,7	Snow/Salmon Railroad Grade Removal	NOSC, WDFW, JCD	$200,000	$200,000	$0	NOAA, PSP							further scoping and funding strategy	$0	final design and construction	$200,000	monitoring	?			E	Estuary	20 acres	Implement selected alternative to remove abandoned railroad grade in southern estuary between Snow and Salmon Creeks		01-03-006		Snow/Salmon Railroad Grade Removal
1			Snow Creek Estuary Enhancement	NOSC, WDFW, JCD	$400,000	$400,000	$0	NOAA, PSP, NRCS							further scoping and funding strategy	$0	final design and construction	$400,000	monitoring	?						Implement selected alternative to enhance railroad grade in northwestern estuary, including riprap removal, cherry pond connection, contaminated sediments, forage fish, and small stream culvert daylighting		Not in HWS		Snow Creek Estuary Enhancement
1			WDFW Lower Discovery Bay Marine Shoreline Restoration	NOSC, WDFW, JCD, JMRC	$200,000	$200,000	$0	NOAA, PSP, JMRC							further scoping and funding strategy	$0	final design and construction	$200,000	monitoring	?						Implement selected alternative to enhance railroad grade in northwestern estuary, including riprap removal, cherry pond connection, contaminated sediments, forage fish, and small stream culvert daylighting		01-03-004		WDFW Lower Discovery Bay Marine Shoreline Restoration
1		1,2,3,6	Snow/Salmon Reconnection Feasibility and Design	WDFW, NOSC, JCD	$10,000	$0	$10,000	private donation, ESRP, PSP	feasibility, planning	$10,000	Put on hold due to hydrology impacts on adjacent structures/bridge	$0											L,W,R,F	Mainstem	1 mile	Assess benefits and feasibility of reconnecting Snow and Salmon Creeks; design construction plans		01-01-001		Snow/Salmon Reconnection Feasibility and Design
1		7,5	Snow/Salmon Riparian Restoration	JCD, NOSC, WDFW, Noxious Weed Board	$418,461	$200,000	$218,461	SRFB, CREP,PSP	planting, fencing, etc not included in cost		landowner contacts, planting on WDFW, Houck, Compass Rose, bridge on Bowman	$218,461	maintenance, assessment, new estuary plantings	$50,000	maintenance, assessment, new estuary plantings, DFW connector, Snow Ck estuary parcels, given willingness	$50,000	maintenance, assessment, planting for Hwy20, Hwy 104, Upper Snow, Upper Salmon, Mid Salmon, Lower Discs Bay	$50,000	maintenance, assessment, planting	$50,000			R	Mainstem	30 acres	Plant native vegetation and assess/control exotic invasives; install livestock exclusion fencing, add BMPs, and alternative water systems		01-05,01-05-000,01-05-010,01-05-011, 01-05-012,01-05-013,01-05-014	18-01	Snow/Salmon Riparian Restoration
1		1,3,4,5,6	Snow/Salmon Floodplain and Nearshore Protection	Jefferson Land Trust, NOSC, JCD, WDFW	$1,225,000	$500,000	$725,000	USFWS, IAC,PSP, SRFB	transactions not included in costs		transactions	$300,000	Ruck	$425,000	Snow Ck estuary parcels, given willingness	$200,000	transactions	$100,000	transactions	$200,000			L	Mainstem	200 acres	Protect high quality habitats and purchase impaired habitats for future restoration in floodplains and estuary; includes planning effort to work with willing landowners		01-02		Snow/Salmon Floodplain and Nearshore Protection
1		1,3,7	West Uncas Road Culvert Retrofit Design	NOSC, Jefferson County	$10,000	$0	$10,000	NOAA, American Rivers, PSP					Design and survey	$10,000	Preliminary Design	?							LPF	Mainstem		Assess design options and costs for replacing culvert with bridge to ease passage and restore habitat forming processes		01-04-000		West Uncas Road Culvert Retrofit Design
1			West Uncas Road Culvert Retrofit	NOSC, JCD, WDFW, Jeff County	$25,000	$0	$25,000	PSAR, Jefferson County							landowner contacts, final design, permitting, construction	$25,000	monitoring	?								Implement selected alternative to retrofit West Unca's RD culvert passage problem; most likely constructed riffle weirs		01-04-001		West Uncas Road Culvert Retrofit
1		1,3,4	Snow Creek LWD Restoration Design	NOSC, JCD	$100,000	$100,000	$0	PSP, SRFB									landowner contacts, survey, design	$100,000	design, permitting, construction	?	construction	?	I	Mainstem	1 mile	Landowner outreach, feasibility, and design of project to improve channel complexity and instream functions through summer chum range		01-01-002		Snow Creek LWD Restoration Design
1		4,5,6,7	Snow/Salmon Road Decommissioning and Stabilization	USFS, NOSC	$150,000	$150,000	$0	USFS, SRFB,PSP									Design	$30,000	Permitting and construction	$120,000			U	Headwaters	7 miles	Decommission, convert to trail, or stabilize highest priority roads for aquatic risk		01-06-001; 01-06-002; 01-06-003; 01-06-004; 01-06-005		Snow/Salmon Road Decommissioning and Stabilization
1		2,7	Fairmount Marsh Restoration	JCD, MRC, NOSC	$125,000	$100,000	$25,000	ESRP, PSP	design	$25,000	landowner discussions	$0	landowner discussions	$0	landowner discussions	$0	landowner discussions	$0	landowner discussions	$0	construction?	$100,000	M	Marine	8 acres, 800 feet channel?	Remove abandoned causeway to restore pocket marsh habitat adjacent to Snow/Salmon watershed; replace bulkhead with soilshore protection; project indefinitely on hold given landowner concerns		01-03-007		Fairmount Marsh Restoration
2		1,3,5	Chimacum Creek Priority Lands Conservation	Jefferson Land Trust, NOSC, JCD	$1,800,000	$900,000	$900,000	IAC, Jeff Co Conservation Futures,PSP	transactions, landowner contacts (cost not included)		landowner contacts, transactions	$300,000	transactions	$300,000	transactions	$300,000	transactions	$300,000	transactions	$300,000	transactions	$300,000	L	Mainstem	500 acres	Protect high quality habitats and habitats for restoration in summer chum range; maintain headwater working forests		02-02		Chimacum Creek Priority Lands Conservation
2		1,3,4,5,7	Chimacum Creek Channel Restoration	JCD, NOSC	$500,000	$300,000	$200,000	SRFB, NRCS	construction (cost not included)		design, permitting, construction	$100,000	design, permitting, construction	$100,000	design	?	design, permitting, construction	?					LW,R,P,F	Mainstem	2 miles	Improve stream and floodplain habitat conditions in Chimacum Watershed through channel improvements and wood addition		02-01		Chimacum Creek Restoration
2			Chimacum Creek Riparian Restoration	JCD, NOSC					multiple		multiple		estuary, phase 1	?	Chum, Beach planting, solanum assessment/ control, maintenance	?	maintenance, planting, landowner contacts	?	maintenance, planting, landowner contacts	?	maintenance, planting, landowner contacts	?				Improve riparian conditions through existing site maintenance, new riparian plantings, fencing, and weed control		02-05-048	18-01-003	Chimacum Creek Riparian Restoration
2		2,3	Chimacum Estuary Restoration Phase 2	NOSC, WDFW	$200,000	$200,000	$0	SRFB, ESRP, Ecology Oil Spill, PSP					estuary, phase 1	?	design and permitting	?	design, permitting	$20,000	construction, monitoring	$180,000	monitoring		E	Estuary	15 acres	Restore estuarine and shoreline functions by removing non-native fill and replanting shoreline to the south of Chimacum estuary phase 1 site		02-03-001		Chimacum Estuary Restoration Phase 2
2		2,7	Scow Bay Culvert Replacement	NOSC, WSDOT, WDFW	$2,000,000	$2,000,000	$0	WSDOT, ESRP, USACE	discussion	$0	discussion	$0	discussion	0	feasibility	$100,000	design and permitting	$100,000	construction	$1,800,000			M,F	Marine		Replace undersized culverts with bridge length on Marrowstone Island causeway to restore natural tidal inundation and access to and from Scow Bay for Puget Sound and Hood Canal salmon stocks		Not in HWS		Scow Bay Culvert Replacement
4		2	Oak Bay Park Shoreline Restoration	JCD, Jefferson County, MRC	$250,000	$200,000	$50,000	ESRP, PSP, SRFB, NWSI	discussion	$0	feasibility and design	$25,000	design and permitting	$25,000	construction	$200,000	monitoring	?					M	Marine	1500 feet	Work with Jefferson County Parks and public to determine project design for marine shoreline restoration, including road abandonment, riprap removal, and replantings		07-02-000		Oak Bay Park Restoration
4		2	Fort Townsend State Park Shoreline Restoration	MRC, State Parks	$250,000	$250,000	$0	NWSI, State Parks	discussion	$0	funding strategy	0	permitting	$50,000	design and construction	$200,000	monitoring	?					M	Marine	300 feet	State Parks would like to restore the marine shoreline by pulling back fill and riprap while preserving pedestrian access to the beach		07-02-001		Fort Townsend State Park Shoreline Restoration
										$135,000		$2,508,676		$1,030,000		$600,000		$1,750,000		$950,000		$2,200,000							
Quilcene																														
2		2	Tarboo/Dabob Bay Protection	NWI, TNC, DNR, Tribes, Jefferson Land Trust	$29,000,000	$14,000,000	$15,000,000	USFWS, SRFB, ESRP, Trust Land Transfer			Transactions	$2,000,000	transactions	$5,000,000	Transactions	$10,000,000	Transactions	$10,000,000	transactions	$2,000,000	transactions		M,L	Marine	3,600 acres, 1 mile shoreline	Protection of state timber and private lands within the 3,600 acre Dabob Bay Natural Area to protect ecosystem functions and processes, and diverse habitats in one of the highest quality and largest saltmarsh estuaries remaining in the Hood Canal and Straits of Juan de Fuca region. The project includes acquisition of 1,400 acres of private lands from willing landowners and use of Trust Land Transfer funds for State lands.		06-02		Tarboo/Dabob Bay Protection
4		2,5	Tarboo/Dabob Bay Nearshore Restoration	NWI, TNC, DNR, Tribes, Jefferson Land Trust	$3,000,000	$3,000,000	$100,000	USFWS, NOAA, ESRP, SRFB	landowner outreach, early projects	$40,000	landowner outreach, design and permittinc	$60,000	landowner outreach, construction, more devices	$200,000	landowner outreach, construction, more devices	$1,000,000	landowner outreach, construction, more devices	$1,700,000					M	Marine	3000 feet	Remove rock and creosote bulkheads, shoreline fill, unstable shoreline roads, and plant and maintain shoreline riparian forests at priority restoration sites within Tarboo-Dabob Bay.		Not in HWS		Dabob Bay Creosote Bulkhead Removal
1		1,3,5,6	Big and Little Quilcene Floodplain and Estuary Protection	Jefferson Land Trust, HCSEG, Tribes, Jefferson County	$1,850,000	$1,350,000	$550,000	RCO, Jeff Co Conservation Futures,PSP, USFWS	Transactions in progress	$250,000	Landowner Contacts, appraisals, transactions	$350,000	transactions	$250,000	transactions, including lower Big Quilcene Estuary	$750,000	two proposed lots in LBQ Linger Longer; additional in Brush Plant RD reach in LLQ	$250,000	transactions	?	Schinke	?	L	Mainstem	150 acres	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort to work with willing landowners;		03-02		Big and Little Quilcene Floodplain and Estuary Protection
1		2,7	Quilcene Wetlands Restoration - Schinke	HCSEG, NRCS, WDFW, USFWS	$800,000	$0	$800,000	SRFB,USFWS, Landowner, NRCS, Priv Business,LIP	design, funding strategy, permitting	$100,000	construction	$700,000	monitoring	?	easement transaction	donated							E	Estuary	50 acres	Obliterate saltwater levees south of Big Quilcene River on willing landowner property to restore salt marsh habitat and tidal channels; include abandoned WDFW pond; donated easement. $25,000 is needed to fund landowner conservation transactions, which are on hold		03-03-003		Quilcene Wetlands Restoration - Schinke
1		2,7	WDFW Abandoned Wildlife Pond	HCSEG, WDFW	$300,000	$0	$300,000	SRFB, ESRP	design, permitting	$10,000	construction	$290,000	monitoring	?	monitoring	?	monitoring	?					E	Estuary	4 acres	Remove failed levee system constructed as a wildlife pond by WDFW at the mouth of the Big Quilcene River		03-03-004		WDFW Abandoned Wildlife Pond
1			Big Quilcene Estuary South Bank Levee Removal	HCSEG, WDFW	$400,000	$400,000	$0	PSAR, ESRP							fundine strategy	$0	Design and permitting	$50,000	construction	$350,000	monitorine	?	E	Estuary	2000 feet, 30+acres	Remove remaining levee on south bank of Big Quilcene estuary		03-03-011		Big Quilcene Estuary South Bank Levee Removal
1		1,3	Big Quilcene Wood Enhancement	Skokomish Tribe, HCSEG	$1,225,500	$0	$1,225,500	SRFB, Skokomish Tribe,PSP, LIP	design, permitting	$70,000	design, levee removal study (see below)	$60,000	construct phase 1, design phase 2	$320,000	construct phase 2; design phase 3	$500,000	construct phase 3, monitoring; further design?	$275,500	construct additional phase?	?			LJF	Mainstem	4000 feet	Place woody debris and remove riprap at two sites (old Rose and PUD properties) to improve channel and floodplain complexity and instream functions through summer chum range		03-01-004, 03-01-005, 03-01-006, 03-01-007, 03-01-008, 03-01-009, 03-01-010		Big Quilcene Wood Enhancement
1		1,3	Big Quilcene Levee Removal Feasibility - Baclawski	Skok Tribe, HCSEG, JCCD	$64,000	$0	$64,000	SRFB; NFWF	Feasibility and Conceptual Design Study	$64,000					complete study, integrate into Phase 2 above								LJF	Mainstem	0.25 miles	Model floodplain with new LiDAR data in 2 dimensional model; assess liabilities and options for removing or setting back small levee on Baclawski property; determine preferred alternative and conceptual design		03-01-009		Big Quilcene Levee Removal Feasibility - Baclawski
1		1,2,3,6,7	Linger Longer Reach Restoration	Jefferson County, WDFW, Tribes	$6,000,000	$6,000,000	$0	PSP, SRFB, ?	finish linger longer assessment	$60,000	Develop funding strategy; continue land transactions as opportunity	$300,000			more land transactions	$300,000	Design and permitting	$100,000	Construction	$5,300,000	monitorine	?	LW,F,L,R,F	Mainstem		Continue Linger Longer Reach Restoration with the end goal of restoring floodplain processes below Rogers Street and reconnecting freshwater and tidal link. This project will include widening the floodplain, creating increased channel habitat, widening the existing bridge, and removing last estuary dike on north bank.		03-01-001	03-03-009	Linger Longer Reach Restoration
1			Big Little Quilcene Riparian Restoration	HCCC, JCCD, noxious weed board											Brush Plant RD, Leland Creek, multiple noxious weed parcel; maintenance	$100,000	other plantings and existing maintenance	$100,000								Plant new sites, maintain previous plantings, assess and control noxious weeds, particularly knotweed		03-05		Big Little Quilcene Riparian Restoration
1		1,3	Little Quilcene Mclanahan Reach Restoration	HCSEG	$210,000	$210,000	$0	HCSEG,PSP	land transaction (not included in cost)								analysis and feasibility	$50,000	permitting and construction	$150,000	monitorine	$10,000	LF	Mainstem	2000 feet	Remove riprap and add wood to restore floodplain and channel habitats in lower river below Center Road		03-01-015	03-01-016	Little Quilcene Mclanahan Reach Restoration
1		2	Little Quilcene Brush Plant RD Reach Restoration	HCCC, JCCD, HCSEG	$180,000	$180,000	$0	SRFB, PSP, NFWF					reach assessment and prelim design with landowners	10000	fundine strategy, permitting and design	$20,000	construction	$150,000								Replace riprap with LWD and add LWD to channel to restore floodplain and channel habitats in middle river above Center Road		03-01-017		Little Quilcene Brush Plant RD Reach Restoration
1		2	Little Quilcene Delta Cone Removal	HCSEG, WDFW	$930,000	$830,000	$930,000	SRFB, PSP			design	$100,000	permitting, construction	$800,000	monitoring	$10,000	monitoring	$10,000	monitoring	$10,000			E	Estuary	25 acres	Remove delta cone to restore linkage between tidal and freshwater hydraulic forces		03-03-010		Little Quilcene Delta Cone Removals
1		2,7	Little Quilcene Estuary Restoration	HCSEG, NRCS, WDFW, Jefferson County, Tribes	$1,665,000	$0	$1,665,000	SRFB, NRCS, Jefferson County,PSP, ESRP	design, permitting of river project; construct donovan bridge		construction, land transaction (not included in cost)	$1,665,000	monitoring	?	monitoring	?	monitoring	?	monitoring	?			E	Estuary	20 acres	Remove north bank levee, remeander, and add LWD in lower LQ River; replace donovan culvert with bridge		03-03-005	03-03-006	Little Quilcene Estuary Restoration
1		2,3	Quilcene Bay/Donovan Creek Acquisition and Restoration	WDFW, TNC, JCCD, JLT, HCSEG	$1,040,084	$1,033,872	$6,212	USFWS, JLT, TNC					design, appraisals	$20,000	land transactions, restoration	$1,020,084	monitoring	?	monitoring	?			LE,L,R	Estuary	95 acres, 3500 feet channel, 15 acres riprian, 120 pieces LWD	This project aims to protect and restore nearly 50 acres of tidal marsh, freshwater wetland and stream channel habitat along the lower reach of Donovan Creek as it enters the head of Quilcene Bay in Hood Canal, Washington.		03-03-012		Quilcene Bay/Donovan Creek Acquisition and Restoration
										$490,000		$5,569,000		$6,440,000		$12,900,084		$11,985,500		$9,510,000		$10,000							
Union and Tahuya																														
1		1,2,3,7	Union Estuary Johnson Farm Restoration, Design and Build	HCSEG, WDFW, PSWSC	$700,000	$580,000	$120,000	HCSEG, SRFB, RCO, PSP, NRCS	land transaction (not included in total cost)		land transaction (not included in total cost), investigations		scoping and various investigations, fund design study	$20,000	public process, final design, permitting	$100,000	funding strategy	$0	construction	$580,000	monitorine	?	E,R,L	Estuary	40 acres	Breach levees strategically and enhance tidal channels and flats to restore tidal inundation to 40 acres of historic salt marsh; bridge breaches with boardwalks; revegetate backshore; enhance adjacent channels		11-03-000	11-03-003	Union Estuary Johnson Farm Restoration, Design and Build
1		1,2	Union and Tahuya River Floodplain and Estuary Protection	HCSEG, CLC	$500,000	$500,000	$0	SRFB, Mason County, CLC,PSP					strategy, outreach, appraisals, transactions	$50,000	transactions	$300,000	transactions	$150,000	?	?			L	Mainstem	100 acres	Protect high quality habitats and purchase impaired habitats for future restoration		11-02		Union and Tahuya River Floodplain and Estuary Protection

Prosects represent all 4 priority Domains to allow more comprehensive tracking of salmon recovery while supporting community values.

Domain Priority	Bio Rank / EDT	Primary Limiting Factors	Action name and description	Likely sponsor	Total cost	Unfunded Portion	Existing Funding	Source of other funds	2007 Scope	2007 Cost	2008 Scope	2008 Cost	2009 Scope	2009 Cost	2010 Scope	2010 Cost	2011 Scope	2011 Cost	2012 Scope	2012 Cost	2013 Scope	2013 Cost	Restoration Type	Location w/in watershed	Performance	Brief Description	Action #	HWS link	HWS link Cont.	3 YWP Project Name
1		1,3,5	Union and Tahuya River Floodplain and Channel Enhancement	HCSEG, WDFW	$1,109,000	$800,000	$309,000	SRFB, NFWF, WDFW, USFWS,PSP	implement several smaller projects	?	survey and design 2 LIP projects	?	construct 2 LIP projects Union; lower tahuya reach assessment and design for LWD	$309,000	construct Tahuya LWD	$500,000	design and construction	$300,000	monitoring	?	monitoring	?	I, W, R, F	Mainstem	3000 feet	Remove riprap, add wood in summer chum range		12-01-000		Union and Tahuya River Floodplain and Channel Enhancement
1			Union and Tahuya Riparian Restoration	HCSEG, MCD	$340,000	$300,000	$40,000	HCCC, PSAR, FSA					tahuya riparian reach assessment	$15,000	landowner discussion, design, funding strategy; union assessment	$25,000	lower tahuya planting plans and planting	$100,000	planting and maintenance	$100,000	planting and maintenance	$100,000			100 acres	conduct comprehensive riparian assessments in summer chum ranges; landowner outreach; planting plans, planting and maintenance, focusing 2010 in lower Tahuya River; noxious weed projects described separately in region-wide project below				Union and Tahuya Riparian Restoration
1		2,3,7	Klingel Estuary Wetland and Riparian Restoration	GPC, NRCS	$525,000	$0	$525,000	SRFB, NRCS,PSP							final design, permitting, construction, planting	$380,000	planting (not included in cost), maintenance, monitoring	$25,000	monitoring	?	monitoring	?	E, R	Estuary	13 acres, 1300 feet dike	Remove levees and tidegate to restore salt marsh and tidal channels; include easter levee wall; build setback dike at edge of road; revegetation plan		11-05	12-05	Klingel Estuary Wetland and Riparian Restoration
1									remand project	$20,000	design	100000	design	included												11-03-001	11-05-001	
1 or 2		1,3,4,5,6	Tahuya to Union Headwaters Conservation	WDFW, DNR, HCA, CLC	$6,650,000	$0	$6,650,000	Forest Legacy, IAC	Design and partner building; funding strategy	?	Appraisal, Negotiations	?	Transactions	$6,100,000	transactions	$550,000	funding strategy	?	transactions?	?			L	Headwaters	5400 acres	Work with large forest landowners to purchase development rights and ensure in perpetuity working forests that form the headwaters of Tahuya and Union Rivers; acquire completion of 2630 acres; additional funding required to meet performance measure		11-02-000		Tahuya to Union Headwaters Conservation
4		2	Twanoh Falls Community Club Estuary Restoration	HCSEG	$75,000	$65,000	$10,000	LIP, ESRP	Design, landowner outreach	$10,000	landowner discussions	$0		$100,000		$6,494,000	designs, permitting	$15,000	construction	$50,000		$680,000		$100,000	M	Marine	250 feet	Work with Twanoh Falls Community Club to enhance the Twanoh Falls Creek estuary, replace culvert with bridge, and restore marine vegetation in documented surf smelt spawning habitat on the south shore of Lower Hood Canal		Not in HWS		Twanoh Falls Community Club Estuary Restoration
										$30,000		$100,000		$6,494,000		$1,870,000		$625,000		$680,000		$100,000							
West Kitsap																														
2 or 3		1,3,4,5,6	Big Beef to Dewatto Priority Lands Conservation	GPC, WDFW, DNR, HC Alliance	$1,000,000	$1,000,000	$0	Unknown					Design and partner building; funding strategy;	?	Design and partner building; funding strategy;	?	Appraisal, Negotiations	?	Transactions	?			L	H	400 acres	Continue conservation efforts with the Hood Canal Alliance		Not in HWS		Big Beef to Dewatto Priority Lands Conservation
2		1	IMW Lower Big Beef Restoration, Design and Build	WDFW, HCSEG	$600,000	$521,000	$79,000	SRFB, PSAR			Project Development		Preliminary Design and funding strategy	?	Final Design, permitting	$79,000	construction	$521,000	monitoring	?	monitoring	?	I	M	50 acres	WDFW, HCSEG, UW effort to design and restore instream wood structures, wetlands and side channel habitat in lower watershed on UW property; treatment associated with IMW program		15-01-000		IMW Lower Big Beef Restoration, Design and Build
3		1,3	IMW Little Anderson Channel Restoration	HCSEG, HCCC	$600,000	$250,000	$350,000	LIP, Kitsap County	Design and construct Phase 1	150000	Reach Assessment	$30,000	Design and construct Phase 2	$170,000	Reach Assessment	?	Design and construct Phase 3	$250,000	monitoring	?	monitoring	?	I	Mainstem	8000 feet	HCSEG and HCCC led effort to restore instream woody debris and thus instream and floodplain habitat in middle and lower watershed; treatment associated with IMW program		16-01-000	16-01-001	IMW Little Anderson Channel Restoration
2		2,7	Dewatto Estuary	HCSEG	$400,000	$400,000	$0	PSP, SRFB, ESRP, coastal wetlands									design	$20,000	permitting, construction	$380,000			E	Estuary	20 acres	Remove relict levees in sub-estuary and restore channel complexity; fill dredge hole; replant affected riparian areas		Not in HWS		Dewatto Estuary
2		1,3	Big Beef Creek Conservation 2009	GPC	$263,397	$227,147	$36,250	GPC in-kind, donation							unusual transaction	$407,731							L	Mainstem	10 acres	Acquire 10 acre parcel with 330 feet of both sides of Big Beef Creek which supports a re-introduced run of summer chum salmon		15-02-000		Big Beef Creek Conservation 2009
4		1,2,3	Martha John Creek Estuary Conservation Plan	GPC, PG, SKallam Tribe	$47,500	$0	$47,500	NFWF					conservation plan development	$47,500	continue plan development, permitting,								L, I, W, E, R	Mainstem	1 Mile	Engage key landowners in development of a conservation plan for Martha John Creek estuary and lower reach, resulting in a strategic conservation plan		16-02-002		Martha John Creek Estuary Conservation Plan
4		2,3,5	Kitsap Memorial Bulkhead Restoration	State Parks	$450,000	$0	$450,000	ITMA, State Parks, ESRP	design, discussions	?					construction	$450,000							M	Marine	1500 feet	Replace creosoted bulkhead with soft bank or no protection to improve drift cell functions and forage fish habitat		Not in HWS		Kitsap Memorial Bulkhead Restoration
										$150,000		$30,000		$217,500		$936,731		$791,000		$380,000		$0							
Dungeness and Jimmycomelately (only summer chum stocks considered in HCCC process)																														
			See NOPLE 3 Year Work Program																												
										$0		$0		$0		$0		$0		$0		$0							
Regional																														
2 or 3 or 4		2,3,5	Marine Riparian Initiative	HCCC, JLT, CLC, GPC, RFEGs, CDs, WSU, Noxious Weed Boards	$900,000	$800,000	$100,000	Landowners,PSP, CSF, LIP, ALEA	outreach/eduction, training, planning, monitoring	$40,000	outreach/eduction, training, planning, monitoring	$20,000	outreach/eduction, training, planning, monitoring	$40,000	outreach/eduction, training, planning, monitoring	$200,000	outreach/eduction, training, planning, monitoring	$200,000	outreach/eduction, training, planning, monitoring	$200,000	outreach/eduction, training, planning, monitoring	$200,000	L, R, M	Marine	6 miles	Restore marine riparian corridors in the summer chum ESU. In addition to plants, technical assistance, and workforce on public and private lands, this project could provide matching funds to enable a process for landowners to donate conservation easements		OE 02-02	11-05-001	Marine Riparian Initiative
2 or 3 or 4		2	Derelict Gear Removal	HCSEG, NWSI	?	?	?	NOAA, private foundation, ESRP	Inventory	?	Remove and Inventory	?	Remove and Inventory	?	Remove and Inventory	?	Remove and Inventory	?	Remove and Inventory	?	remove and inventory	?	E,M	Marine	?	Inventory marine subtidal areas of Hood Canal for derelict nets and pots and continue removal process		Not in HWS		Derelict Gear Removal
1 or 2		1,3,5	Regional Riparian Successional Strategy	Multiple	?	?	?	federal approp. ,Noxious weed boards, partner in kind			Survey and inventory noxious weeds	$75,000	Survey, inventory, remove noxious weeds; begin riparian assessment	$300,000	Survey, inventory, remove noxious weeds; implement riparian plantings	$300,000	Survey, inventory, remove noxious weeds; implement riparian plantings	$300,000	Survey, inventory, remove noxious weeds; implement riparian plantings	$300,000	Survey, inventory, remove noxious weeds; implement riparian plantings	$300,000	R	All except marine	?	Survey, inventory, and control exotic, invasive vegetation species along high priority freshwater reaches; prepare sites, plant, and maintain sites following recommendations from riparian assessment		18-03		Riparian Enhancement and Noxious Weed Control
										$40,000		$95,000		$340,000		$590,000		$500,000		$500,000		$500,000							
Hatchery Capital Projects																														
TOTAL CAPITAL NEED					$146,730,633	$83,657,547	$62,229,576			$4,001,806		$16,676,901		$25,881,298		$31,250,084		$22,823,690		$14,627,000		$5,576,500							

Three-Year Watershed Implementation Priorities for Hood Canal Coordinating Council

Costs are from Recovery Plan estimates and comparables methods
Yearly costs are preliminary estimates to be developed further with project sponsors
Prioritization to be determined by Lead Entity Committees, regional participants, and governments
Total Costs represent multiple years worth of projected costs
Annual costs represent money obtained and/or spent during calendar year
Projects represent all 4 priority Domains to allow more comprehensive tracking of salmon recovery while supporting community values.

Domain	Definition
1	Domain 1 represents natal freshwater and sub-estuarine habitats for 7 extant summer chum subpopulations, 2 extant chinook populations, and 1 extant bull trout subpopulation in the HCCC LE area
2	Domain 2 represents natal freshwater and sub-estuarine habitats for 3 re-introduced extinct summer chum subpopulations and all significant nearshore habitats in the HCCC LE area.
3	Domain 3 represents natal freshwater and sub-estuarine habitats for all remaining extinct summer chum and chinook subpopulations in the HCCC LE area.
4	Domain 4 represents all other habitats including nearshore areas not labeled as significant

Domain Priority	Bio Rank / EDT	Primary Limiting Factors	Action name and description	Likely sponsor	Total cost	Unfunded Portion	Existing Funding	Source of other funds	2007 Scope	2007 Cost	2008 Scope	2008 Cost	2009 Scope	2009 Cost	2010 Scope	2010 Cost	2011 Scope	2011 Cost	2012 Scope	2012 Cost	2013 Scope	2013 Cost	Restor-ation Type	Location w/in watershed	Performance	Brief Description	Action #	HWS link	HWS link Cont.	3 YWP Project Name
CAPITAL PROJECTS																														
Habitat Capital Projects																														
Mid-Hood Canal																														
1	1 of 17	1,3	USFS/Upper Dosewallips wood-riparian restoration phase 1	WFC, USFS, Tribes	$2,219,570	$1,900,000	$319,570	PSP, USFS, SRFB	Funding Strategy; Coordination		Feasibility/Design	$100,000	Feasibility/Design cont'd	$100,000	finish designs, permitting, scope LWD sources; riparian assessment	$19,570	finish permitting and construct 10-20 ELJs; some planting; more design work	$1,000,000	More design phases and Riparian Planting	?	finish permitting and construct 10-20 ELJs; some planting; more design work	$1,000,000	I,F,R	Mainstem	4 miles	Place log jams and increase wood loading by helicopter and/or conventional means in strategic locations, including 6 mile bridge, FS boundary, above Camp Acacia, Steelhead Campground, and below road washout	33,34,36, 37,38,40	04-01-000		USFS/Upper Dosewallips wood-riparian restoration phase 1
1	4,6,9,5 of 17	1,3,5	Powerlines, Lazy C, Southshore riparian--floodplain protection Lower Dosewallins	Jefferson Land Trust, State Parks, Jefferson County, HCCC, TNC	$2,000,000	$862,580	$1,137,420	PSP, RCO, Jefferson County, SRFB	Begin to implement Dosie Acquisition Phase 2	$163,590	Begin to implement Mid-HC Dosie Acquisition 2007	$209,000			Begin to implement Mid-HC Dosie Acquisition 2009 and State Park Acquisition	$764,830	Community Outreach, Planning and Transactions	?	Community Outreach, Planning and Transactions	?	Community Outreach, Planning and Transactions	?	L	Mainstem	300 acres potential; 157 acres in process	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort	20,25,32	04-02-001, 04-02-002, 04-02-003, 04-02-004		Powerlines, Lazy C, Southshore riparian-floodplain protection Lower Dosewallins
1	6 of 17	1,3	Powerlines Lower Dosewallips wood-riparian restoration	WFC, USFS, Tribes, County	$735,000	$734,000	$1000+	PSP, USFWS	Conifer Plantings	$1,000	Feasibility/Design and Landowner Discussions	some work conducted as part of Upper Dose wood project	more outreach and land transactions	some work conducted as part of other projects	some design work; Riparian Assessment; Exotic Control, sponsor dev't	?	Design phase?; Riparian Planting and exotic control	?	Permitting and Construction; More design phases; Riparian Planting and exotic control	?	monitoring; riparian planting and exotic control	?	I,F,R	Mainstem		Improve instream wood loading rates and riparian conditions in the Powerlines Reach	21,23,24	Not in HWS		Powerlines Lower Dosewallips wood-riparian restoration
1	7,5,9,5 of 17	1,2,3,5,7	Lower Dosewallips floodplain/estuary restoration and Dosewallips Estuary Phase 2	WFC, Tribes, State Parks	$1,400,000	$343,000	$1,057,000	PSP, State Parks, IBA, SRFB, USFP	Landowner Outreach, plantings, design, and permitting	$150,000	Reach Assess, construction (remove 5000 RB levee below 101, installed 5 ELJs)	$250,000	Deconstruct RB levee above SR101, cont. reach assessment, Planting 0.5 acre	$300,000	Finish reach assessment, planting and maintenance, Monitoring, $ strategy	$100,000	RB armor and fill removal below 101 2000ft plus habitat and planting; land transaction?	$600,000	Outyear planning for Brinnon levee improvement and Sylopash Slough; Monitoring	?	monitoring	?	I,E,F,R	Estuary, Mainstem	40 acres marsh, 10000 ft levees, 2000ft armor removal, 5 ELJs, multiple plantings	Improve riparian conditions, tidal inundation, and floodplain connection; feasibility study included	3,5,6,7,9,11,1 6	04-03-004	04-03-005	Lower Dosewallips floodplain/estuary restoration and Dosewallips Estuary Phase 2
1	16 of 17	2,7	Wolcott Slough Fishtrap Removal	HCSEG	$78,000	$0	$78,000	ESRP	Permitting, Construction	$78,000	Monitorine	?	Monitorine	?	Monitorine	?	Monitorine	?					E	Estuary	15 acres	Remove USFWS fishtrap and regrade salt marsh and tidal channels	14	04-03-002		Wolcott Slough Fishtrap Removal
1	10 of 17	3,4,5	USFS road decommission Dosewallins	USFS, Tribes, HCSEG	$226,500	$226,500	$0	USFS, federal approp.									Design, Permitting	$40,000	Construction	$186,500	Construction	$186,500	U	Headwater	6.5 miles	Decommission high priority roads for aquatic risk or convert them to trails	27,28,41	04-06		USFS road decommission Dosewallins
1	2,5,5 of 7	1,2,3,5	Lower and Middle Duckabush riparian-floodplain protection	Jefferson County and Jefferson Land Trust	$2,000,000	$1,321,048	$678,952	PSP, RCO, Jefferson County, SRFB	Community Outreach		Begin to implement Mid-HC Dosie Acquisition 2007	$303,000			Begin to implement Mid-HC Dosie Acquisition 2009	$375,952	Community Outreach, Planning and Transactions	?	Community Outreach, Planning and Transactions	?	Community Outreach, Planning and Transactions	?	L	Mainstem	200 acres potential; 26 acres in process	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort	11,14	05-02-000	05-02-001	Lower and Middle Duckabush riparian-floodplain protection
1	2 of 7	1,3	Lower Duckabush riparian-floodplain restoration Phase 1	WFC, Jeff County, JLT	?	?	?	PSP, RCO, SRFB							Reach Assessment, Landowner Outreach		Feasibility/Design, Landowner Outreach; Permitting and Construction	?	Feasibility/Design, Landowner Outreach; Permitting and Construction	?	Continued Design, Permitting	?	I,E,F,R	Mainstem		Improve instream wood loading rates and riparian conditions in the Lower Duckabush after protection efforts have advanced	11	Not in HWS		Lower Duckabush riparian-floodplain restoration Phase 1
1	3 of 7	3,4,5	USFS road decommission Duckabush	USFS, Tribes, HCSEG	$370,500	$370,500	$0	USFS, federal approp.							Design, Permitting	$40,000	construction	$330,500	construction	$330,500			U	Headwater	8.7 miles	Decommission high priority roads for aquatic risk or convert them to trails	9,10	05-06		USFS road decommission Duckabush
1	1,5 of 7	1,3	Middle Duckabush wood-riparian restoration phase 1	WFC, USFS and Tribes	$2,219,570	$2,000,000	$219,570	PSP, USFS	Funding Strategy; Coordination		Feasibility/Design	$100,000	Feasibility/Design cont'd	$100,000	finish designs, permitting, scope LWD sources; riparian assessment	$19,570	finish permitting and construct 10-20 ELJs; some planting; more design work	$1,000,000	More design phases and Riparian Planting	?	finish permitting and construct 10-20 ELJs; some planting; more design work	$1,000,000	I,F,R	Mainstem		Place log jams and increase wood loading by helicopter and conventional means in strategic locations	12,13	05-01-000		Middle Duckabush wood-riparian restoration phase 1
1	4,5 of 7	1,2,3,7	SR101 Causeway Replacement Duckabush	Army Corps, multiple?	$20,000,000	$20,000,000	$132,140	PSAWR, ESRP, FHA, WSDOT, SRFB	101 estuary causeway removal study committed nreviously	$132,140							Feasibilty	$200,000	Design	$200,000	Design	$200,000	E	Estuary		Continue feasibility studies to address benefits for retrofit, alternatives, and costs along the Duckabush causeway	2,3,5,6,7	PA 01-01-002		SR101 Causeway Retlacement Duckabush
1	7 of 7	2,7	Robinson Road Levee Removal Duckabush	HCSEG	$167,000	$0	$167,000	PSP	Design and permitting	$20,000	Construction	$147,000	Monitoring	?									E	Estuary	2.6 acres	Obliterate levee on WDFW property, remove exotic invasive plant species	4	05-03-000		Robinson Road Levee Removal Duckabush
1	7 of 7	1,2,3,7	Pierce Creek culvert at Shorewood RD	Jefferson County and Jefferson Land Trust	$235,000	$225,000	$10,000	PSP, ESRP, SRFB					Design	$10,000	property transactions	cost included above	final design and permitting	$25,000	construction	$200,000	monitoring	?	E,P	Estuary		Improve tidal inundation and fish passage under Shorewood Road	8	05-04-000		Pierce Creek culvert at Shorewood RD
1			Duckabush Fire Station Fill Removal	HCSEG	$170,000	$150,000	$20,000	SRFB, PSAR,					preliminary design	$10,000	land transaction, final design	10000	construction and planting	$150,000						Estuary	2 acres	Remove landfill and replant streamside and upper estuary once property has been acquired through existing grant		05-03-001		Duckabush Fire Station Fill Removal
1	4,5 of 6,5	1,2,7	Hama Hama Estuary Restoration	HCSEG	$620,000	$426,000	$194,000	SRFB, ESRP, NFWF, ESRP,	Landowner Discussion and Design	$20,000	Design and permitting	$30,000			Construction (funds needed) and more design	$250,000	Design, landowner outreach	$20,000	Construction	$300,000	?	?	I,W,E,P	Estuary	50 acres	Restore connectivity to north distributary and estuary above 101 where feasible	7	08-03-000		Hama Hama Estuary Restoration
1	4,5 of 6,5	1,3	Upper Hama Hama riparian restoration	USFS	$100,000	$100,000	$0	USFS, federal approp., other							Inventory, Exotic Control and Planting	$30,000	Inventory, Exotic Control and Planting	$30,000	design, planting, exotic and upland control	$35,000	planting, exotic and upland control	$35,000	R	Mainstem		Improve riparian conditions in non-anadromous reaches to address identified sediment and temperature inputs	12,13,14	Not in HWS		Upper Hama Hama riparian restoration
1	6,5 of 6,5	3,4,5	USFS road decommission Hama Hama	USFS, Tribes, HCSEG	$1,048,500	$1,048,500	$0	USFS, federal approp.									Design, Permitting	$100,000	Permitting and Construction	$500,000	?	?	U	Headwater	27.1 miles	Decommission high priority roads for aquatic risk or convert to trails	7,8	08-06		USFS road decommission Hama Hama
1	NM	4,5	USFS Road Drainage and Stabilization	USFS	?	?	$0	USFS, federal approp.			Permitting, Construction	$100,000	Permitting, Construction	$100,000	Permitting, Construction	$100,000	Permitting, Construction	$100,000	?	?	Permitting, Construction	?	U	Headwater	?	Stabilize high priority roads for aquatic risk; ongoing USFS maintenance		08-06		USFS Road Drainage and Stabilization
										$564,730		$1,239,000		$620,000		$1,709,922		$3,595,500		$1,752,000		$2,421,500							
Skokomish-Lilliwaup																														
1		1,3,4,5,6,7	Army Corps General Investigation for restoration feasibility	Skokomish Tribe and Mason County,USACE	$1,970,276	$200,000	$1,770,276	federal approp, Mason County, Skok Tribe	Cost share agreement, assessments	$1,041,276	Assessment	$300,000	Assessment	$429,000	Develop alternatives, crated PMP	$200,000	Select preferred alternative and begin documentation	$0	Complete EIS	$0				Mainstem		Complete general investigation as a mechanism for a consensus-based road map to improving floodplain and channel functions		10-01		Army Corps General Investigation for restoration feasibility
1		1,3,4,5	Vance Creek Restoration	Skokomish Tribe	$130,000	$0	$130,000	SRFB, PSP, Skok Tribe			BOR selected, asses's desirned, outreach	$30,000	Assessment Completed	$100,000	design completed, funding strategy	?	Construction, More Design	?	Construction, More Design	?			F,I,L	Mainstem	1 mile of stream	Conduct landowner outreach, survey, and design for conservation and restoration actions in the summer chum and chinook reaches; construct in phase 2		10-01-008		Vance Creek Restoration
1		2,7	Skokomish Estuary Restoration Phase 2 - Nalley Island	Skokomish Tribe	$4,900,000	$100,000	$4,800,000	PSP, Mason PUD, SRFB, NOAA, USFWS	Design	?	Design	$50,000	Final Design, Permitting	$50,000	Final Design, construction, monitorine	$4,700,000	monitorine	$50,000	monitorine	$50,000	monitorine	$50,000	E	Estuary	400 acres, remove 10 miles levees, roads, ditches	Obliterate levees, borrow ditches, and tidegates on Nalley Island; install new powerlines with Mason PUD		10-03-001		Skokomish Estuary Restoration Phase 2 - Nalley Island
1		2	Skokomish Estuary Restoration Phase 3- Skokomish Flats	Skokomish Tribe	$195,000	$195,000	$0	ESRP, PSP, SRFB, NOAA							Design, funding strategy	$25,000	permitting and construction	$150,000	monitorine	$10,000	monitorine	$10,000		Estuary	10 acres, 10000 ft levee	Lower berm in Phase 1 down further in limited area, remove bridge landing, topography modification, restore hydrology across Skok Flats RD		Not in HWS		Skokomish Estuary Restoration Phase 3- Skokomish Flats
1		2,7	Skokomish Estuary Restoration Phase 4- Eastshore 6 acre fill removal	Skokomish Tribe	$400,000	$400,000	$0	ESRP, PSP, SRFB, NOAA									property transactions	$200,000	design and permitting	$25,000	construction	$175,000	E, L	Estuary	6 acres	Remove fill and old access road in the eastern cell of the lower Skokomish Estuary		Not in HWS		Skokomish Estuary Restoration Phase 4- Eastshore 6 acre fill removal
1		2	Skokomish Estuary Restoration Phase 5 - Westshore Road Estuary Remediation	Skokomish Tribe	$200,000	$200,000	$0	ESRP, PSP, SRFB, NOAA							Scope preliminary design, funding strategy	$10,000	design and permitting	$30,000	construction	$150,000	monitorine	$10,000		Estuary	40 acres, multiple improved road crossings	Retrofit powerline access road crossings at key tidal channels, reroute road where necessary		Not in HWS		Skokomish Estuary Restoration Phase 5 - Westshore Road Estuary Remediation
1		2,3,7	Potlach State Park Restoration	Skokomish Tribe and WA State Parks	$125,000	$120,000	$5,000	IBA					design	$5,000			design, permitting	$20,000	construction; scope shoreline remediation	$100,000	preliminary design		M	Marine	600 ft new channel, remove 1 barrier	Reroute Potlach Creek; investigate fill removal in historic salt marsh; revegetate shoreline		Not in HWS		Potlach State Park Restoration
1		7	Lake Cushman passage down/upstream	Tacoma Power	?			TP	settlement talks		settlement talks		agreement		FERC license and design		construction		monitorine		monitorine		P	Mainstem	Remediate fish barrier	Create upstream and downstream passage past Cushman Project		Not in HWS		Lake Cushman passage down/upstream
1		1,3,4,5,6	North Fork Flow Restoration	Tacoma Power	$1,500,000	$0	$1,500,000	TP	Construction	$1,500,000	Implementation; Hydrological Assessment for next phase	?	implementation of early components	?	implement additional components after License issued	?	adaptive measurement		adaptive measurement		adaptive measurement		I	Mainstem	Increased flows	Add Cone Valve to Cushman Project to allow quantity and quality of outflow to improve North Fork and Skokomish Mainstem; continue discussions on re-establishing normative flow regime; implement		Not in HWS		North Fork Flow Restoration
4		1,3,5,6,7	Gibbons Creek Fish Passage with Bridge	GD, USFS, MCD	$300,000	$300,000	$300,000	SRFB, Joint Venture, GD			design, permitting	$50,000	construction	$250,000									P	Tributary	remove 1 barrier, install LWD	Fish passage and stream improvement to a significant amount of spawning and rearing area for steelhead and cutthroat		10-04-000		Gibbons Creek Fish Passage with Bridge
4			Frigid Creek Culvert Replacements	GD, USFS, MCD	$350,000	$350,000	$350,000	GD, Joint Venture					reconn		preliminary design		design and permitting	$50,000	construction	$300,000			P	T	remove 2 barriers	2 fish passage projects at upper extent of Frigid Creek for steelhead (?) and cutthroat		Not in HWS		Frigid Creek Culvert Replacements
3		1,3,5,6,7	McTaggert Diversion Dam Removal	Tacoma Power	?	?	?	TP					design, permitting, construction	?	monitorine	?							P+	Tributary	remove 1 barrier, restore X cfs to north fork	Remove Tacoma Power diversion dam in upper North Fork Skokomish to restore fish passage, habitat, and water quantity		Not in HWS		McTaggert Diversion Dam Removal
3			McTaggert Culvert Replacements	Tacoma Power	?	?	?	USFS?, TP?			preliminary design		design, construction, monitorine	?	monitorine	?							P	Tributary	remove 2 barriers	Replace 2 fish passage barriers in upper North Fork Skokomish		Not in HWS		McTaggert Culvert Replacements
1		1,3	Lower Skobob Creek Complexity	Skokomish Tribe	$125,000	$125,000	$0	IBA, PSP,									design, funding strategy	$5,000	design, permitting, construction	$120,000			I,W	Tributary	4000 feet	Place woody debris by helicopter to improve rearing habitat in tidal creek system		Not in HWS		Lower Skobob Creek Complexity
1			ELJs in mainstem, Vance	Skok Tribe, multiple	?	?	?	SRFB, PSP, Corps, Skokomish	coordinate with GI	$0	coordinate with GI	$0			design, permitting in mainstem, Vance	?	design, permitting	?	design, permitting, construction	?	design, permitting, construction	?		Tributary	?	General category of restoration as a placeholder for results of General Investigation		Not in HWS		ELJs in mainstem, Vance
1		1,3,5	Five Mile Creek Engineered Log Jams	MCD	$95,000	$0	$95,000	CSF, NRCS WHIP, SRFB					design, permitting	?	construct	$95,000							I,F	Mainstem	460 feet	Install 5 log jams approximately 1/2 mile upstream of old North Fork confluence		10-01-005		Five Mile Creek Engineered Log Jams
1			ELJs in North Fork	Skok Tribe	?			SRFB, PSP, Skokomish					Global agreement		FERC license issued?, recovery plan finalized, project planning		design, permitting, construction	?	design, permitting, construction	?	design, permitting, construction	?		Tributary	multiple miles	General category of restoration as a placeholder for results of license agreement and subsequent planning for spring chinook		Not in HWS		ELJs in North Fork
1		1,3	Upper South Fork, Holman Flats, and Tributary Floodplain-Channel-Rinarian Restoration	Skokomish Tribe and USFS	$1,330,000	$80,000	$1,250,000	SRFB,PSP, USFWS,NFWF, USFS, TP			feasibility	$63,500	design, permitting	$140,000	final design, wood stockpiling, construction	$1,030,000	monitoring, begin new design on TP land	?	design and permitting; construction TP South Fork	?			I,F	Mainstem	4 miles	Haul woody debris by helicopter and place in channel by conventional means; start in USFS and TP Holman Flats and move through upper south fork and tributary junctions; riparian plantings		10-01-004, 10-01-007		Upper South Fork, Holman Flats, and Tributary Floodplain-Channel-Riparian Restoration
1		1,3,4,5,6,7	Car-body Levee Removal and Channel Complexity	Mason CD, NRCS, Skok Tribe, and/or landowner	?	?	?	NRCS, TP, SRFB, PSP, Corps			Design within GI	$0	Design within GI	$0	Design within GI	$0	design and permitting	?	Construct	?	monitorine	?	I,F,R	Mainstem	1.5 miles	Deconstruct levee system at historic confluence of North and South Forks, enhance resulting channels		Not in HWS		Car-body Levee Removal and Channel Complexity
1		1,3,4,5,6,7	Skokomish River and Bourgault Road Partial Removals	Tribe	$90,000	$0	$90,000	USFWS, WSDOT			design	$0	design within GI	?	construction, monitorine	$90,000	monitorine	?	monitorine	?	assess remaining roadway	?	F,W	Mainstem	0.5 miles	Deconstruct abandoned road system to reconnect adjacent wetlands and floodplains to the lower Skokomish River; Bourgault was WSDOT mitigation site, River RD was USFWS funded		Not in HWS		Skokomish River and Bourgault Road Partial Removals
1		1,3,4,5,6,7	Dike Removal and/or setbacks-TBD by GI	multiple	?	?	?				design within GI	$0	Design within GI	$0	Design within GI	$0	design and permitting	?	design and permitting and construction	?	additional construction	?	L,W,R,F	Mainstem	?	General category of restoration as a placeholder for results of General Investigation		Not in HWS		Dike Removal and/or setbacks-TBD by GI
1		1	SR101 and SR106 road prisms/bridges - TBD by GI	WSDOT, multiple	$10,704,510	?	$10,704,510	WSDOT, FHA	moving ahead with Purdy, wait to coord on others with GI	$0	construct Purdy	$5,210,390	construct, more design within GI	$5,494,120	Design within GI	$0	design and permitting	?	construct, more design	?	?	?	W,F	Mainstem		In addition to general category of restoration as a placeholder for results of General Investigation, also includes Purdy Creek 101 rebuild		Not in HWS		SR101 and SR106 road prisms/bridges - TBD by GI
1		1,5,6	Silviculture Treatments for increased hydrologic maturity	USFS, SWAT	?	?	?	federal approp., PSP, stewardship excess?					design, permitting	?	implementation, design, permitting	?	implementation, design, permitting	?	implementation, design, permitting	?	implementation, design, permitting	?	U	Headwaters		Increase hydrologic maturity within Skokomish basin		Not in HWS		Silviculture Treatments for increased hydrologic maturity
1		1,3,4,5,6,7	Protect habitats through conservation tools	multiple	$7,000,000	$4,000,000	$3,000,000	SRFB, PSP, TP, Mason County, TPN	strategy, landowner outreach, land transactions	$0	strategy, landowner outreach, land transactions	$0	strategy, landowner outreach, transactions (CREP, floodplain easement)	$300,000	strategy, landowner outreach, transactions (estuary, Purdy parcels, confluence)	$2,000,000	strategy, landowner outreach, transactions	?	strategy, landowner outreach, transactions	?	strategy, landowner outreach, transactions	?	I	Mainstem	700 acres, 4 miles	Protect high quality habitats and purchase impaired habitats for future restoration		10-02		Protect habitats through conservation tools
1		1,3,4,5	Farm Plans and BMPs	MCD, multiple	$550,000	$300,000	$250,000	NRCS, MCD, Landowner	landowner outreach, fencing, farm plans	$50,000	landowner outreach, fencing, farm plans	$50,000	landowner outreach, fencing, farm plans	$50,000	landowner outreach, fencing, farm plans	$100,000	landowner outreach, fencing, farm plans	$100,000	landowner outreach, fencing, farm plans	$100,000	landowner outreach, fencing, farm plans	$100,000	R	Mainstem and Tributaries	2 miles	Work with Mason Conservation District and private landowners to improve stewardship through public incentive programs such as Farm Plans Cost Share, Environment Quality Improvement Program, Wildlife Habitat Improvement Program, and BMP construction		Not in HWS		Farm Plans and BMPs

Prosects represent all 4 priority Domains to allow more comprehensive tracking of salmon recovery while supporting community values.

Domain Priority	Bio Rank / EDT	Primary Limiting Factors	Action name and description	Likely sponsor	Total cost	Unfunded Portion	Existing Funding	Source of other funds	2007 Scope	2007 Cost	2008 Scope	2008 Cost	2009 Scope	2009 Cost	2010 Scope	2010 Cost	2011 Scope	2011 Cost	2012 Scope	2012 Cost	2013 Scope	2013 Cost	Restoration Type	Location w/in watershed	Performance	Brief Description	Action #	HWS link	HWS link Cont.	3 YWP Project Name
1		1,3,4,5	Riparian plantings and noxious weed control	MCD, multiple				NRCS, USDA, SRFB, PSP					design, scoping, planintg		scoping, planting, inventory and control		scoping, planting, inventory and control		scoping, planting, inventory and control		scoping, planting, inventory and control			Mainstem and Tributaries	4 miles	MCD and Mason County Noxious Weed Board to conduct outreach to private and public landowners to control knotweed and plant both agricultural openings and existing, alder-dominated riparian areas		10-05	18-02	Riparian plantings and noxious weed control
1		4,5,6,7	USFS Road Decommission - North Fork 14km	USFS and SWAT	?												design, permitting	$30,000	construction	?			U	Headwaters	8.7 miles	Decommission high priority roads for aquatic risk		10-06-004		USFS Road Decommission - North Fork 14km
1		4,5,6,7	USFS Road Decommission - South Fork 93km	USFS and SWAT	$10,033,400	$9,433,400	$600,000	federal approp, SRFB, PSP, EPA, USFS	construction, design, permitting	?	construction, design, permitting	$600,000	construction, design, permitting	$3,010,020	construction, design, permitting	$3,511,690	construction, design, permitting	$2,911,690	construction, design, permitting	?	construction	?	U	Headwaters	70.5 miles	Decommission high priority roads for aquatic risk		10-06-003		USFS Road Decommission - South Fork 93km
1		4,5,6,7	USFS Road Decommission - Vance Creek 6km	USFS and SWAT	?												design, permitting	$30,000	construction	?			U	Headwaters	3.7 miles	Decommission high priority roads for aquatic risk		10-06-011		USFS Road Decommission - Vance Creek 6km
1		4,5,6,7	Road Drainage and Stabilization - South Fork	USFS and SWAT	$2,128,400	?	?	federal approp, SRFB, PSP, EPA, USFS	planning, permitting, construction	?	planning, permitting, construction	$638,460	construction, BMPs	$744,970	construction, BMPs	$744,970	?	?	?	?	?	?	U	Headwaters	149 miles	Stabilize roads to reduce aquatic risk		10-06-002		Road Drainage and Stabilization - South Fork
1		4,5,6,7	Road Maintenance	USFS and SWAT	476,250	?	?	federal approp, SRFB, PSP, EPA, USFS	construction	?	construction	$142,875	construction	$166,688	construction assessment and design	$166,687	construction	?	construction	?	construction	?	U	Headwaters		Maintain roads to redue aquatic risk through annual maintenance program		Not in HWS		Road Maintenance
1		1,2,3,7	Lillwaup Instream Restoration	LLTK	60,000	0	$60,000	SRFB, in-kind								$60,000	?	?	construction	?			LE,R,F	Mainstem	4000 feet	Work with landowners to design restoration project to remove fill and aggraded sediments in lower floodplain, enhance woody debris, and replant riparian areas		09-01-000		Lillwaup Instream Restoration Design
										$2,591,276		$7,135,225		$10,739,798		$12,733,347		$3,576,690		$855,000		$345,000							
Eastern Straits																														
1		2,3,5,7	Snow/Salmon Estuary and Wood Waste Restoration, plus	NOSC, WDFW, DNR, JCD	$1,690,215	$0	$1,690,215	DNR, WDFW, NOAA, PSP, SRFB, Oil Spill	final design, permitting, derelict building removal	$100,000	construction, restoration	$1,590,215	monitoring, planning, planting	$20,000	monitoring and planning	?	monitoring	?	monitoring	?			E	Estuary	20 acres	Remove abandoned wood waste pile, remove derelict structures and remediate soil, create new habitat south of highway		01-03-003; 01-03-002; 01-03-000; 01-03-001		Snow/Salmon Estuary and Wood Waste Restoration, plus
1		2,7	Snow/Salmon Estuary Railroad Grade Removal Feasibility and Design	NOSC, WDFW, JCD	$100,000	$0	$100,000	SRFB, PSP	scoping	$0	feasibility and design	$100,000	preliminary designs and partner coordination										E	Estuary		Assess options for removing railroad causeway in lower estuary		01-03-005		Snow/Salmon Estuary Railroad Grade Removal Feasibility and Design
1		2,3,5,7	Snow/Salmon Railroad Grade Removal	NOSC, WDFW, JCD	$200,000	$200,000	$0	NOAA, PSP							further scoping and funding strategy	$0	final design and construction	$200,000	monitoring	?			E	Estuary	20 acres	Implement selected alternative to remove abandoned railroad grade in southern estuary between Snow and Salmon Creeks		01-03-006		Snow/Salmon Railroad Grade Removal
1			Snow Creek Estuary Enhancement	NOSC, WDFW, JCD	$400,000	$400,000	$0	NOAA, PSP, NRCS							further scoping and funding strategy	$0	final design and construction	$400,000	monitoring	?						Implement selected alternative to enhance railroad grade in northwestern estuary, including riprap removal, cherry pond connection, contaminated sediments, forage fish, and small stream culvert daylighting		Not in HWS		Snow Creek Estuary Enhancement
1			WDFW Lower Discovery Bay Marine Shoreline Restoration	NOSC, WDFW, JCD, JMRC	$200,000	$200,000	$0	NOAA, PSP, JMRC							further scoping and funding strategy	$0	final design and construction	$200,000	monitoring	?						Implement selected alternative to enhance railroad grade in northwestern estuary, including riprap removal, cherry pond connection, contaminated sediments, forage fish, and small stream culvert daylighting		01-03-004		WDFW Lower Discovery Bay Marine Shoreline Restoration
1		1,2,3,6	Snow/Salmon Reconnection Feasibility and Design	WDFW, NOSC, JCD	$10,000	$0	$10,000	private donation, ESRP, PSP	feasibility, planning	$10,000	Put on hold due to hydrology impacts on adjacent structures/bridge	$0											L,W,R,F	Mainstem	1 mile	Assess benefits and feasibility of reconnecting Snow and Salmon Creeks; design construction plans		01-01-001		Snow/Salmon Reconnection Feasibility and Design
1		7,5	Snow/Salmon Riparian Restoration	JCD, NOSC, WDFW, Noxious Weed Board	$418,461	$200,000	$218,461	SRFB, CREP,PSP	planting, fencing, etc not included in cost		landowner contacts, planting on WDFW, Houck, Compass Rose, bridge on Bowman	$218,461	maintenance, assessment, new estuary plantings	$50,000	maintenance, assessment, new estuary plantings, DFW connector, Snow Ck estuary parcels, given willingness	$50,000	maintenance, assessment, planting for Hwy20, Hwy 104, Upper Snow, Upper Salmon, Mid Salmon, Lower Discs Bay	$50,000	maintenance, assessment, planting	$50,000			R	Mainstem	30 acres	Plant native vegetation and assess/control exotic invasives; install livestock exclusion fencing, add BMPs, and alternative water systems		01-05,01-05-000,01-05-010,01-05-011, 01-05-012,01-05-013,01-05-014	18-01	Snow/Salmon Riparian Restoration
1		1,3,4,5,6	Snow/Salmon Floodplain and Nearshore Protection	Jefferson Land Trust, NOSC, JCD, WDFW	$1,225,000	$500,000	$725,000	USFWS, IAC,PSP, SRFB	transactions not included in costs		transactions	$300,000	Ruck	$425,000	Snow Ck estuary parcels, given willingness	$200,000	transactions	$100,000	transactions	$200,000			L	Mainstem	200 acres	Protect high quality habitats and purchase impaired habitats for future restoration in floodplains and estuary; includes planning effort to work with willing landowners		01-02		Snow/Salmon Floodplain and Nearshore Protection
1		1,3,7	West Uncas Road Culvert Retrofit Design	NOSC, Jefferson County	$10,000	$0	$10,000	NOAA, American Rivers, PSP					Design and survey	$10,000	Preliminary Design	?							LPF	Mainstem		Assess design options and costs for replacing culvert with bridge to ease passage and restore habitat forming processes		01-04-000		West Uncas Road Culvert Retrofit Design
1			West Uncas Road Culvert Retrofit	NOSC, JCD, WDFW, Jeff County	$25,000	$0	$25,000	PSAR, Jefferson County							landowner contacts, final design, permitting, construction	$25,000	monitoring	?								Implement selected alternative to retrofit West Unca's RD culvert passage problem; most likely constructed riffle weirs		01-04-001		West Uncas Road Culvert Retrofit
1		1,3,4	Snow Creek LWD Restoration Design	NOSC, JCD	$100,000	$100,000	$0	PSP, SRFB									landowner contacts, survey, design	$100,000	design, permitting, construction	?	construction	?	I	Mainstem	1 mile	Landowner outreach, feasibility, and design of project to improve channel complexity and instream functions through summer chum range		01-01-002		Snow Creek LWD Restoration Design
1		4,5,6,7	Snow/Salmon Road Decommissioning and Stabilization	USFS, NOSC	$150,000	$150,000	$0	USFS, SRFB,PSP									Design	$30,000	Permitting and construction	$120,000			U	Headwaters	7 miles	Decommission, convert to trail, or stabilize highest priority roads for aquatic risk		01-06-001; 01-06-002; 01-06-003; 01-06-004; 01-06-005		Snow/Salmon Road Decommissioning and Stabilization
1		2,7	Fairmount Marsh Restoration	JCD, MRC, NOSC	$125,000	$100,000	$25,000	ESRP, PSP	design	$25,000	landowner discussions	$0	landowner discussions	$0	landowner discussions	$0	landowner discussions	$0	landowner discussions	$0	construction?	$100,000	M	Marine	8 acres, 800 feet channel?	Remove abandoned causeway to restore pocket marsh habitat adjacent to Snow/Salmon watershed; replace bulkhead with soilshore protection; project indefinitely on hold given landowner concerns		01-03-007		Fairmount Marsh Restoration
2		1,3,5	Chimacum Creek Priority Lands Conservation	Jefferson Land Trust, NOSC, JCD	$1,800,000	$900,000	$900,000	IAC, Jeff Co Conservation Futures,PSP	transactions, landowner contacts (cost not included)		landowner contacts, transactions	$300,000	transactions	$300,000	transactions	$300,000	transactions	$300,000	transactions	$300,000	transactions	$300,000	L	Mainstem	500 acres	Protect high quality habitats and habitats for restoration in summer chum range; maintain headwater working forests		02-02		Chimacum Creek Priority Lands Conservation
2		1,3,4,5,7	Chimacum Creek Channel Restoration	JCD, NOSC	$500,000	$300,000	$200,000	SRFB, NRCS	construction (cost not included)		design, permitting, construction	$100,000	design, permitting, construction	$100,000	design	?	design, permitting, construction	?					LW,R,P,F	Mainstem	2 miles	Improve stream and floodplain habitat conditions in Chimacum Watershed through channel improvements and wood addition		02-01		Chimacum Creek Restoration
2			Chimacum Creek Riparian Restoration	JCD, NOSC					multiple		multiple		estuary, phase 1	?	Chum, Beach planting, solanum assessment/ control, maintenance	?	maintenance, planting, landowner contacts	?	maintenance, planting, landowner contacts	?	maintenance, planting, landowner contacts	?				Improve riparian conditions through existing site maintenance, new riparian plantings, fencing, and weed control		02-05-048	18-01-003	Chimacum Creek Riparian Restoration
2		2,3	Chimacum Estuary Restoration Phase 2	NOSC, WDFW	$200,000	$200,000	$0	SRFB, ESRP, Ecology Oil Spill, PSP					estuary, phase 1	?	design and permitting	?	design, permitting	$20,000	construction, monitoring	$180,000	monitoring		E	Estuary	15 acres	Restore estuarine and shoreline functions by removing non-native fill and replanting shoreline to the south of Chimacum estuary phase 1 site		02-03-001		Chimacum Estuary Restoration Phase 2
2		2,7	Scow Bay Culvert Replacement	NOSC, WSDOT, WDFW	$2,000,000	$2,000,000	$0	WSDOT, ESRP, USACE	discussion	$0	discussion	$0	discussion	0	feasibility	$100,000	design and permitting	$100,000	construction	$1,800,000			M,F	Marine		Replace undersized culverts with bridge length on Marrowstone Island causeway to restore natural tidal inundation and access to and from Scow Bay for Puget Sound and Hood Canal salmon stocks		Not in HWS		Scow Bay Culvert Replacement
4		2	Oak Bay Park Shoreline Restoration	JCD, Jefferson County, MRC	$250,000	$200,000	$50,000	ESRP, PSP, SRFB, NWSI	discussion	$0	feasibility and design	$25,000	design and permitting	$25,000	construction	$200,000	monitoring	?					M	Marine	1500 feet	Work with Jefferson County Parks and public to determine project design for marine shoreline restoration, including road abandonment, riprap removal, and replantings		07-02-000		Oak Bay Park Restoration
4		2	Fort Townsend State Park Shoreline Restoration	MRC, State Parks	$250,000	$250,000	$0	NWSI, State Parks	discussion	$0	funding strategy	0	permitting	$50,000	design and construction	$200,000	monitoring	?					M	Marine	300 feet	State Parks would like to restore the marine shoreline by pulling back fill and riprap while preserving pedestrian access to the beach		07-02-001		Fort Townsend State Park Shoreline Restoration
										$135,000		$2,508,676		$1,030,000		$600,000		$1,750,000		$950,000		$2,200,000							
Quilcene																														
2		2	Tarboo/Dabob Bay Protection	NWI, TNC, DNR, Tribes, Jefferson Land Trust	$29,000,000	$14,000,000	$15,000,000	USFWS, SRFB, ESRP, Trust Land Transfer			Transactions	$2,000,000	transactions	$5,000,000	Transactions	$10,000,000	Transactions	$10,000,000	transactions	$2,000,000	transactions		M,L	Marine	3,600 acres, 1 mile shoreline	Protection of state timber and private lands within the 3,600 acre Dabob Bay Natural Area to protect ecosystem functions and processes, and diverse habitats in one of the highest quality and largest saltmarsh estuaries remaining in the Hood Canal and Straits of Juan de Fuca region. The project includes acquisition of 1,400 acres of private lands from willing landowners and use of Trust Land Transfer funds for State lands.		06-02		Tarboo/Dabob Bay Protection
4		2,5	Tarboo/Dabob Bay Nearshore Restoration	NWI, TNC, DNR, Tribes, Jefferson Land Trust	$3,000,000	$3,000,000	$100,000	USFWS, NOAA, ESRP, SRFB	landowner outreach, early projects	$40,000	landowner outreach, design and permittinc	$60,000	landowner outreach, construction, more devices	$200,000	landowner outreach, construction, more devices	$1,000,000	landowner outreach, construction, more devices	$1,700,000					M	Marine	3000 feet	Remove rock and creosote bulkheads, shoreline fill, unstable shoreline roads, and plant and maintain shoreline riparian forests at priority restoration sites within Tarboo-Dabob Bay.		Not in HWS		Dabob Bay Creosote Bulkhead Removal
1		1,3,5,6	Big and Little Quilcene Floodplain and Estuary Protection	Jefferson Land Trust, HCSEG, Tribes, Jefferson County	$1,850,000	$1,350,000	$550,000	RCO, Jeff Co Conservation Futures,PSP, USFWS	Transactions in progress	$250,000	Landowner Contacts, appraisals, transactions	$350,000	transactions	$250,000	transactions, including lower Big Quilcene Estuary	$750,000	two proposed lots in LBQ Linger Longer; additional in Brush Plant RD reach in LLQ	$250,000	transactions	?	Schinke	?	L	Mainstem	150 acres	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort to work with willing landowners;		03-02		Big and Little Quilcene Floodplain and Estuary Protection
1		2,7	Quilcene Wetlands Restoration - Schinke	HCSEG, NRCS, WDFW, USFWS	$800,000	$0	$800,000	SRFB,USFWS, Landowner, NRCS, Priv Business,LIP	design, funding strategy, permitting	$100,000	construction	$700,000	monitoring	?	easement transaction	donated							E	Estuary	50 acres	Obliterate saltwater levees south of Big Quilcene River on willing landowner property to restore salt marsh habitat and tidal channels; include abandoned WDFW pond; donated easement. $25,000 is needed to fund landowner conservation transactions, which are on hold		03-03-003		Quilcene Wetlands Restoration - Schinke
1		2,7	WDFW Abandoned Wildlife Pond	HCSEG, WDFW	$300,000	$0	$300,000	SRFB, ESRP	design, permitting	$10,000	construction	$290,000	monitoring	?	monitoring	?	monitoring	?					E	Estuary	4 acres	Remove failed levee system constructed as a wildlife pond by WDFW at the mouth of the Big Quilcene River		03-03-004		WDFW Abandoned Wildlife Pond
1			Big Quilcene Estuary South Bank Levee Removal	HCSEG, WDFW	$400,000	$400,000	$0	PSAR, ESRP							fundine strategy	$0	Design and permitting	$50,000	construction	$350,000	monitorine	?	E	Estuary	2000 feet, 30+acres	Remove remaining levee on south bank of Big Quilcene estuary		03-03-011		Big Quilcene Estuary South Bank Levee Removal
1		1,3	Big Quilcene Wood Enhancement	Skokomish Tribe, HCSEG	$1,225,500	$0	$1,225,500	SRFB, Skokomish Tribe,PSP, LIP	design, permitting	$70,000	design, levee removal study (see below)	$60,000	construct phase 1, design phase 2	$320,000	construct phase 2; design phase 3	$500,000	construct phase 3, monitoring; further design?	$275,500	construct additional phase?	?			LJF	Mainstem	4000 feet	Place woody debris and remove riprap at two sites (old Rose and PUD properties) to improve channel and floodplain complexity and instream functions through summer chum range		03-01-004, 03-01-005, 03-01-006, 03-01-007, 03-01-008, 03-01-009, 03-01-010		Big Quilcene Wood Enhancement
1		1,3	Big Quilcene Levee Removal Feasibility - Baclawski	Skok Tribe, HCSEG, JCCD	$64,000	$0	$64,000	SRFB; NFWF	Feasibility and Conceptual Design Study	$64,000					complete study, integrate into Phase 2 above								LJF	Mainstem	0.25 miles	Model floodplain with new LiDAR data in 2 dimensional model; assess liabilities and options for removing or setting back small levee on Baclawski property; determine preferred alternative and conceptual design		03-01-009		Big Quilcene Levee Removal Feasibility - Baclawski
1		1,2,3,6,7	Linger Longer Reach Restoration	Jefferson County, WDFW, Tribes	$6,000,000	$6,000,000	$0	PSP, SRFB, ?	finish linger longer assessment	$60,000	Develop funding strategy; continue land transactions as opportunity	$300,000			more land transactions	$300,000	Design and permitting	$100,000	Construction	$5,300,000	monitorine	?	LW,F,L,R,F	Mainstem		Continue Linger Longer Reach Restoration with the end goal of restoring floodplain processes below Rogers Street and reconnecting freshwater and tidal link. This project will include widening the floodplain, creating increased channel habitat, widening the existing bridge, and removing last estuary dike on north bank.		03-01-001	03-03-009	Linger Longer Reach Restoration
1			Big Little Quilcene Riparian Restoration	HCCC, JCCD, noxious weed board											Brush Plant RD, Leland Creek, multiple noxious weed parcel; maintenance	$100,000	other plantings and existing maintenance	$100,000								Plant new sites, maintain previous plantings, assess and control noxious weeds, particularly knotweed		03-05		Big Little Quilcene Riparian Restoration
1		1,3	Little Quilcene Mclanahan Reach Restoration	HCSEG	$210,000	$210,000	$0	HCSEG,PSP	land transaction (not included in cost)								analysis and feasibility	$50,000	permitting and construction	$150,000	monitorine	$10,000	LF	Mainstem	2000 feet	Remove riprap and add wood to restore floodplain and channel habitats in lower river below Center Road		03-01-015	03-01-016	Little Quilcene Mclanahan Reach Restoration
1		2	Little Quilcene Brush Plant RD Reach Restoration	HCCC, JCCD, HCSEG	$180,000	$180,000	$0	SRFB, PSP, NFWF					reach assessment and prelim design with landowners	10000	fundine strategy, permitting and design	$20,000	construction	$150,000								Replace riprap with LWD and add LWD to channel to restore floodplain and channel habitats in middle river above Center Road		03-01-017		Little Quilcene Brush Plant RD Reach Restoration
1		2	Little Quilcene Delta Cone Removal	HCSEG, WDFW	$930,000	$830,000	$930,000	SRFB, PSP			design	$100,000	permitting, construction	$800,000	monitoring	$10,000	monitoring	$10,000	monitoring	$10,000			E	Estuary	25 acres	Remove delta cone to restore linkage between tidal and freshwater hydraulic forces		03-03-010		Little Quilcene Delta Cone Removals
1		2,7	Little Quilcene Estuary Restoration	HCSEG, NRCS, WDFW, Jefferson County, Tribes	$1,665,000	$0	$1,665,000	SRFB, NRCS, Jefferson County,PSP, ESRP	design, permitting of river project; construct donovan bridge		construction, land transaction (not included in cost)	$1,665,000	monitoring	?	monitoring	?	monitoring	?	monitoring	?			E	Estuary	20 acres	Remove north bank levee, remeander, and add LWD in lower LQ River; replace donovan culvert with bridge		03-03-005	03-03-006	Little Quilcene Estuary Restoration
1		2,3	Quilcene Bay/Donovan Creek Acquisition and Restoration	WDFW, TNC, JCCD, JLT, HCSEG	$1,040,084	$1,033,872	$6,212	USFWS, JLT, TNC					design, appraisals	$20,000	land transactions, restoration	$1,020,084	monitoring	?	monitoring	?			LE,L,R	Estuary	95 acres, 3500 feet channel, 15 acres riprian, 120 pieces LWD	This project aims to protect and restore nearly 50 acres of tidal marsh, freshwater wetland and stream channel habitat along the lower reach of Donovan Creek as it enters the head of Quilcene Bay in Hood Canal, Washington.		03-03-012		Quilcene Bay/Donovan Creek Acquisition and Restoration
										$490,000		$5,569,000		$6,440,000		$12,900,084		$11,985,500		$9,510,000		$10,000							
Union and Tahuya																														
1		1,2,3,7	Union Estuary Johnson Farm Restoration, Design and Build	HCSEG, WDFW, PSWSC	$700,000	$580,000	$120,000	HCSEG, SRFB, RCO, PSP, NRCS	land transaction (not included in total cost)		land transaction (not included in total cost), investigations		scoping and various investigations, fund design study	$20,000	public process, final design, permitting	$100,000	funding strategy	$0	construction	$580,000	monitorine	?	E,R,L	Estuary	40 acres	Breach levees strategically and enhance tidal channels and flats to restore tidal inundation to 40 acres of historic salt marsh; bridge breaches with boardwalks; revegetate backshore; enhance adjacent channels		11-03-000	11-03-003	Union Estuary Johnson Farm Restoration, Design and Build
1		1,2	Union and Tahuya River Floodplain and Estuary Protection	HCSEG, CLC	$500,000	$500,000	$0	SRFB, Mason County, CLC,PSP					strategy, outreach, appraisals, transactions	$50,000	transactions	$300,000	transactions	$150,000	?	?			L	Mainstem	100 acres	Protect high quality habitats and purchase impaired habitats for future restoration		11-02		Union and Tahuya River Floodplain and Estuary Protection

Prosects represent all 4 priority Domains to allow more comprehensive tracking of salmon recovery while supporting community values.

Domain Priority	Bio Rank / EDT	Primary Limiting Factors	Action name and description	Likely sponsor	Total cost	Unfunded Portion	Existing Funding	Source of other funds	2007 Scope	2007 Cost	2008 Scope	2008 Cost	2009 Scope	2009 Cost	2010 Scope	2010 Cost	2011 Scope	2011 Cost	2012 Scope	2012 Cost	2013 Scope	2013 Cost	Restoration Type	Location w/in watershed	Performance	Brief Description	Action #	HWS link	HWS link Cont.	3 YWP Project Name
1		1,3,5	Union and Tahuya River Floodplain and Channel Enhancement	HCSEG, WDFW	$1,109,000	$800,000	$309,000	SRFB, NFWF, WDFW, USFWS,PSP	implement several smaller projects	?	survey and design 2 LIP projects	?	construct 2 LIP projects Union; lower tahuya reach assessment and design for LWD	$309,000	construct Tahuya LWD	$500,000	design and construction	$300,000	monitoring	?	monitoring	?	I, W, R, F	Mainstem	3000 feet	Remove riprap, add wood in summer chum range		12-01-000		Union and Tahuya River Floodplain and Channel Enhancement
1			Union and Tahuya Riparian Restoration	HCSEG, MCD	$340,000	$300,000	$40,000	HCCC, PSAR, FSA					tahuya riparian reach assessment	$15,000	landowner discussion, design, funding strategy; union assessment	$25,000	lower tahuya planting plans and planting	$100,000	planting and maintenance	$100,000	planting and maintenance	$100,000			100 acres	conduct comprehensive riparian assessments in summer chum ranges; landowner outreach; planting plans, planting and maintenance, focusing 2010 in lower Tahuya River; noxious weed projects described separately in region-wide project below				Union and Tahuya Riparian Restoration
1		2,3,7	Klingel Estuary Wetland and Riparian Restoration	GPC, NRCS	$525,000	$0	$525,000	SRFB, NRCS,PSP							final design, permitting, construction, planting	$380,000	planting (not included in cost), maintenance, monitoring	$25,000	monitoring	?	monitoring	?	E, R	Estuary	13 acres, 1300 feet dike	Remove levees and tidegate to restore salt marsh and tidal channels; include easter levee wall; build setback dike at edge of road; revegetation plan		11-05	12-05	Klingel Estuary Wetland and Riparian Restoration
1									remand project	$20,000	design	100000	design	included												11-03-001	11-05-001	
1 or 2		1,3,4,5,6	Tahuya to Union Headwaters Conservation	WDFW, DNR, HCA, CLC	$6,650,000	$0	$6,650,000	Forest Legacy, IAC	Design and partner building; funding strategy	?	Appraisal, Negotiations	?	Transactions	$6,100,000	transactions	$550,000	funding strategy	?	transactions?	?			L	Headwaters	5400 acres	Work with large forest landowners to purchase development rights and ensure in perpetuity working forests that form the headwaters of Tahuya and Union Rivers; acquire completion of 2630 acres; additional funding required to meet performance measure		11-02-000		Tahuya to Union Headwaters Conservation
4		2	Twanoh Falls Community Club Estuary Restoration	HCSEG	$75,000	$65,000	$10,000	LIP, ESRP	Design, landowner outreach	$10,000	landowner discussions	$0		$100,000		$6,494,000	designs, permitting	$15,000	construction	$50,000		$680,000		$100,000	M	Marine	250 feet	Work with Twanoh Falls Community Club to enhance the Twanoh Falls Creek estuary, replace culvert with bridge, and restore marine vegetation in documented surf smelt spawning habitat on the south shore of Lower Hood Canal		Not in HWS		Twanoh Falls Community Club Estuary Restoration
										$30,000		$100,000		$6,494,000		$1,870,000		$625,000		$680,000		$100,000							
West Kitsap																														
2 or 3		1,3,4,5,6	Big Beef to Dewatto Priority Lands Conservation	GPC, WDFW, DNR, HC Alliance	$1,000,000	$1,000,000	$0	Unknown					Design and partner building; funding strategy;	?	Design and partner building; funding strategy;	?	Appraisal, Negotiations	?	Transactions	?			L	H	400 acres	Continue conservation efforts with the Hood Canal Alliance		Not in HWS		Big Beef to Dewatto Priority Lands Conservation
2		1	IMW Lower Big Beef Restoration, Design and Build	WDFW, HCSEG	$600,000	$521,000	$79,000	SRFB, PSAR			Project Development		Preliminary Design and funding strategy	?	Final Design, permitting	$79,000	construction	$521,000	monitoring	?	monitoring	?	I	M	50 acres	WDFW, HCSEG, UW effort to design and restore instream wood structures, wetlands and side channel habitat in lower watershed on UW property; treatment associated with IMW program		15-01-000		IMW Lower Big Beef Restoration, Design and Build
3		1,3	IMW Little Anderson Channel Restoration	HCSEG, HCCC	$600,000	$250,000	$350,000	LIP, Kitsap County	Design and construct Phase 1	150000	Reach Assessment	$30,000	Design and construct Phase 2	$170,000	Reach Assessment	?	Design and construct Phase 3	$250,000	monitoring	?	monitoring	?	I	Mainstem	8000 feet	HCSEG and HCCC led effort to restore instream woody debris and thus instream and floodplain habitat in middle and lower watershed; treatment associated with IMW program		16-01-000	16-01-001	IMW Little Anderson Channel Restoration
2		2,7	Dewatto Estuary	HCSEG	$400,000	$400,000	$0	PSP, SRFB, ESRP, coastal wetlands									design	$20,000	permitting, construction	$380,000			E	Estuary	20 acres	Remove relict levees in sub-estuary and restore channel complexity; fill dredge hole; replant affected riparian areas		Not in HWS		Dewatto Estuary
2		1,3	Big Beef Creek Conservation 2009	GPC	$263,397	$227,147	$36,250	GPC in-kind, donation							unusual transaction	$407,731							L	Mainstem	10 acres	Acquire 10 acre parcel with 330 feet of both sides of Big Beef Creek which supports a re-introduced run of summer chum salmon		15-02-000		Big Beef Creek Conservation 2009
4		1,2,3	Martha John Creek Estuary Conservation Plan	GPC, PG, SKallam Tribe	$47,500	$0	$47,500	NFWF					conservation plan development	$47,500	continue plan development, permitting,								L, I, W, E, R	Mainstem	1 Mile	Engage key landowners in development of a conservation plan for Martha John Creek estuary and lower reach, resulting in a strategic conservation plan		16-02-002		Martha John Creek Estuary Conservation Plan
4		2,3,5	Kitsap Memorial Bulkhead Restoration	State Parks	$450,000	$0	$450,000	ITMA, State Parks, ESRP	design, discussions	?					construction	$450,000							M	Marine	1500 feet	Replace creosoted bulkhead with soft bank or no protection to improve drift cell functions and forage fish habitat		Not in HWS		Kitsap Memorial Bulkhead Restoration
										$150,000		$30,000		$217,500		$936,731		$791,000		$380,000		$0							
Dungeness and Jimmycomelately (only summer chum stocks considered in HCCC process)																														
			See NOPLE 3 Year Work Program																												
										$0		$0		$0		$0		$0		$0		$0							
Regional																														
2 or 3 or 4		2,3,5	Marine Riparian Initiative	HCCC, JLT, CLC, GPC, RFEGs, CDs, WSU, Noxious Weed Boards	$900,000	$800,000	$100,000	Landowners,PSP, CSF, LIP, ALEA	outreach/eduction, training, planning, monitoring	$40,000	outreach/eduction, training, planning, monitoring	$20,000	outreach/eduction, training, planning, monitoring	$40,000	outreach/eduction, training, planning, monitoring	$200,000	outreach/eduction, training, planning, monitoring	$200,000	outreach/eduction, training, planning, monitoring	$200,000	outreach/eduction, training, planning, monitoring	$200,000	L, R, M	Marine	6 miles	Restore marine riparian corridors in the summer chum ESU. In addition to plants, technical assistance, and workforce on public and private lands, this project could provide matching funds to enable a process for landowners to donate conservation easements		OE 02-02	11-05-001	Marine Riparian Initiative
2 or 3 or 4		2	Derelict Gear Removal	HCSEG, NWSI	?	?	?	NOAA, private foundation, ESRP	Inventory	?	Remove and Inventory	?	Remove and Inventory	?	Remove and Inventory	?	Remove and Inventory	?	Remove and Inventory	?	remove and inventory	?	E,M	Marine	?	Inventory marine subtidal areas of Hood Canal for derelict nets and pots and continue removal process		Not in HWS		Derelict Gear Removal
1 or 2		1,3,5	Regional Riparian Successional Strategy	Multiple	?	?	?	federal approp. ,Noxious weed boards, partner in kind			Survey and inventory noxious weeds	$75,000	Survey, inventory, remove noxious weeds; begin riparian assessment	$300,000	Survey, inventory, remove noxious weeds; implement riparian plantings	$300,000	Survey, inventory, remove noxious weeds; implement riparian plantings	$300,000	Survey, inventory, remove noxious weeds; implement riparian plantings	$300,000	Survey, inventory, remove noxious weeds; implement riparian plantings	$300,000	R	All except marine	?	Survey, inventory, and control exotic, invasive vegetation species along high priority freshwater reaches; prepare sites, plant, and maintain sites following recommendations from riparian assessment		18-03		Riparian Enhancement and Noxious Weed Control
										$40,000		$95,000		$340,000		$590,000		$500,000		$500,000		$500,000							
Hatchery Capital Projects																														
TOTAL CAPITAL NEED					$146,730,633	$83,657,547	$62,229,576			$4,001,806		$16,676,901		$25,881,298		$31,250,084		$22,823,690		$14,627,000		$5,576,500							