

WRIA 8 Salmon Habitat Project List

North Creek

Monday, October 02, 2017

APPLICABLE STRATEGIES LEGEND:



Protect and restore floodplain connectivity



Protect and restore cold water sources and reduce thermal barriers to migration



Protect and restore forest cover and headwater areas



Protect and restore marine water and sediment quality, especially near commercial and industrial areas



Protect and restore functional riparian vegetation



Improve juvenile and adult survival at the Ballard Locks



Provide adequate stream flow



Improve water quality



Protect and restore channel complexity



Reduce predation on juvenile migrants and lake-rearing fry



Restore sediment processes necessary for key life stages



Integrate salmon recovery priorities into local and regional planning, regulations, and permitting (SMP, CAO, NPDES, etc.)



Restore shallow water rearing and refuge habitat



Remove (or reduce impacts of) overwater structures



Restore natural marine shoreline



Continue existing and conduct new research, monitoring, and adaptive management on key issues



Reconnect and enhance creek mouths




Remove fish passage barriers





Reconnect backshore areas and pocket estuaries







Increase awareness and support for salmon recovery


Riparian Restoration and Invasive Species Control – North Creek			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-1-BB		Control invasive knotweed and other priority invasive species on a coordinated basis to improve riparian habitat, on public and private properties. After initial control is achieved, regularly monitor, detect, and rapidly respond to any new infestations. Implement planting with native species in treated areas.		 <p>Riparian Vegetation</p>
Four-Year Work Plan?	Project Location				
Yes	Basinwide				
Estimated Project Costs					
Acquisition	Restoration	Total			


Riparian Restoration at NE 195th and I-405			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-R2-1-LB		Riparian area along North Creek as it emerges from under I-405 is thick with reed canarygrass. Treat site and restore native riparian forest conditions.		 <p>Riparian Vegetation</p>
Four-Year Work Plan?	Project Location				
No	Bothell				
Estimated Project Costs					
Acquisition	Restoration	Total			



Floodplain Restoration in Reach 2			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-R2-2-LB		Floodplain restoration on baseball diamond north of 195th and privately owned property between 195th and I-405. Setback levee, increase flood storage, restore off-channel habitat and add large wood.	Site constrained by North Creek Trail. Property may be for sale.	 Floodplain Connectivity
Four-Year Work Plan?	Project Location				
No	Bothell				
Estimated Project Costs					
Acquisition	Restoration	Total			





Restore Riparian Wetland North of 195th			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-R2-3-RB		Add large wood, remove invasive plant species, and plant native vegetation. Site experiences high peak flows, well connected with North Creek. Property is 1.46 acres and is in Bothell Business Park.	Levee located here is certified by FEMA, so very challenging site.	 Channel Complexity  Riparian Vegetation
Four-Year Work Plan?	Project Location				
No	Bothell				
Estimated Project Costs					
Acquisition	Restoration	Total			


Restore Riparian Wetland South of North Creek Parkway N			Description Increase flood storage, set back levee, add large wood, remove invasive plant species and plant native vegetation.	Opportunities, Constraints, and other Considerations Past project done on site to breach levee - may need maintenance. Property owner willingness unknown. 11 acre site within Bothell Business Park.	Applicable Strategies	
Project Number	NC-R2-4-LB					
Four-Year Work Plan?	Project Location				Channel Complexity	Riparian Vegetation
No	Bothell					
Estimated Project Costs						
Acquisition	Restoration	Total				


Protect Forested Property to East of Reach 2			Description Protect forested, steep sloped property to east of business park in reach. Includes wetlands and groundwater recharge areas. Located east of 120th and straddles Hollywood Hills Drive.	Opportunities, Constraints, and other Considerations Parr Creek flows along 120th and routinely floods the road.	Applicable Strategies	
Project Number	NC-R2-5-RB					
Four-Year Work Plan?	Project Location					
No	Bothell					
Estimated Project Costs					Forest Cover	
Acquisition	Restoration	Total				


Protect Forested Property North of 240th			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-R3-1-RB		Protect forested, undeveloped property north of 240th (through 234th) through conservation easement or acquisition.	Reach has highest spawning area on North Creek. Last undeveloped portion of North Creek within City of Bothell. Potential upzoning being considered.	 Forest Cover
Four-Year Work Plan?	Project Location				
No	Bothell				
Estimated Project Costs					
Acquisition	Restoration	Total			



Floodplain Restoration North of 228th			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies	
Project Number	NC-R4-1-LB		Acquire 16 acre property North of 228th, return creek to natural channel by removing berm that redirected it. Restore riparian vegetation and side channels and add large wood. Increase flood storage and flood refuge habitat.	Property is undevelopable.	 Floodplain Connectivity	 Riparian Vegetation
Four-Year Work Plan?	Project Location					
No	Bothell					
Estimated Project Costs						
Acquisition	Restoration	Total				


Enhance Mouth of Palm Creek			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Enhance mouth and lower 100 yards of Palm Creek as cold water refuge for juvenile Chinook.			<p>Enhance mouth and lower 100 yards of Palm Creek as cold water refuge for juvenile Chinook.</p>	<p>Adopt A Stream potentially working on private properties in this area. Creek is very cold and has excellent DO levels.</p>	 <p>Creek Mouths</p>  <p>Channel Complexity</p>
Project Number	NC-R4-2-RB				
Four-Year Work Plan?	Project Location				
Yes	Bothell				
Estimated Project Costs					
Acquisition	Restoration	Total			
Enhance Creek in Thrasher's Corner Area			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Enhance incised stream channel within Thrashers Corner area (owned by the City of Bothell), restore riparian vegetation, plant conifers and add large wood.			<p>Enhance incised stream channel within Thrashers Corner area (owned by the City of Bothell), restore riparian vegetation, plant conifers and add large wood.</p>	<p></p>	 <p>Channel Complexity</p>  <p>Riparian Vegetation</p>
Project Number	NC-R4-3-INS				
Four-Year Work Plan?	Project Location				
No	Bothell				
Estimated Project Costs					
Acquisition	Restoration	Total			


Protect Forested Wetland South of Maltby Road			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
			Protect forested, 10.5 acre wetland South of Maltby Road, including unnamed tributary.	Some land has been acquired by Bothell.	 Thermal Stress
Project Number	NC-R4-4-BB				
Four-Year Work Plan?	Project Location				
No	Bothell				
Estimated Project Costs					
Acquisition	Restoration	Total			


Floodplain Acquisition and Restoration at end of Waxen Road			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
			Acquire frequently flooded home at end of Waxen Road and restore floodplain and add large wood.		 Floodplain Connectivity
Project Number	NC-R6-1-RB				
Four-Year Work Plan?	Project Location				
No	Snohomish County				
Estimated Project Costs					
Acquisition	Restoration	Total			



Reforest Cleared Parcel along Waxen Road			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
			Replant cleared parcel north of 192nd and west of Waxen Road.		 <p>Riparian Vegetation</p>
Project Number	NC-R6-2-LB				
Four-Year Work Plan?	Project Location				
No	Snohomish County				
Estimated Project Costs					
Acquisition	Restoration	Total			



North Creek Regional Park Stream Channel Enhancement			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
			Enhance North Creek stream channel within North Creek Regional Park, add large wood, encourage meandering of channel and restore riparian vegetation.		  <p>Channel Complexity Riparian Vegetation</p>
Project Number	NC-R7-1-INS				
Four-Year Work Plan?	Project Location				
No	Snohomish County				
Estimated Project Costs					
Acquisition	Restoration	Total			


Floodplain Restoration North of North Creek Park			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-R7-2-RB		Acquire conservation easement on property west of 9th Ave. and north of the North Creek Regional Park and remove dike, reconnect North Creek to floodplain and wetlands.	City unlikely to ever purchase in fee, but restoration easements may be possible and appropriate given the site.	 <p>Floodplain Connectivity</p>
Four-Year Work Plan?	Project Location				
No	Snohomish County; Mill Creek				
Estimated Project Costs					
Acquisition	Restoration	Total			

Upland Forest Cover Protection			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-R7-3-RB		Acquire North Creek Hillslope Forest Site, 53 acres of mature second-growth forest/wetlands on right bank of North Creek adjacent to North Creek Regional Park. Includes minor tributaries and groundwater sources.		 <p>Forest Cover</p>
Four-Year Work Plan?	Project Location				
No	Snohomish County				
Estimated Project Costs					
Acquisition	Restoration	Total			

Creosote Removal at 164th Street SE Culvert			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-R7-4-INS		Culvert at 164th Street SE meets fish passage criteria but contains creosote timbers in contact with the creek. Remove these to benefit water quality.		 Water Quality
Four-Year Work Plan?	Project Location				
No	Mill Creek				
Estimated Project Costs					
Acquisition	Restoration	Total			

Restoration in Native Growth Protection Area			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number	NC-R9-1-LB		For the area below McCollum Park in the Native Growth Protection Easement, implement actions such as adding large wood, riparian restoration, and conifer underplanting.		  Channel Complexity Riparian Vegetation
Four-Year Work Plan?	Project Location				
No	Snohomish County				
Estimated Project Costs					
Acquisition	Restoration	Total			

McCollum Park Restoration			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number			Install grade control structures or large wood from Northwest Stream Center to 128th to reduce peak flows and erosion; restore riparian vegetation.		 Channel Complexity  Riparian Vegetation
NC-R10-1-INS					
Four-Year Work Plan?					
Project Location					
No					
Snohomish County					
Estimated Project Costs					
Acquisition	Restoration	Total			

Protect North Creek Headwaters			Description	Opportunities, Constraints, and other Considerations	Applicable Strategies
Project Number			Acquire 10-acre parcel south of Everett Mall Way on 3rd Avenue SE.		 Forest Cover
NC-R10-2-BB					
Four-Year Work Plan?					
Project Location					
No					
Snohomish County					
Estimated Project Costs					
Acquisition	Restoration	Total			