



Citizen Advisory Group Meeting/Technical Advisory Group
March 16, 2016
Commission Chambers
Meeting Summary

Attendees	Organization	Attendees	Organization
<i>Jamie Glasgow</i>	<i>WFC</i>	<i>Kathy Peters</i>	<i>Kitsap County</i>
<i>Amber Moore</i>	<i>PSP</i>	<i>Marian Berekjian</i>	<i>WSWC</i>
<i>Teresa Smith</i>	<i>City of Bremerton</i>	<i>Zack Holt</i>	<i>City of Port Orchard</i>
<i>Barbara Ann Smolko</i>	<i>Pierce County, CoChair</i>	<i>Jo Meints</i>	<i>KCPW-Roads</i>
<i>Glen Jurges</i>	<i>Enetai Homeowners</i>	<i>Scott Steltzner</i>	<i>Squaxin Island Tribe</i>
<i>Chance Berthiaume</i>	<i>City of Bremerton</i>	<i>Erik Pedersen</i>	<i>GPC</i>
<i>Antonia Jindrich</i>	<i>Mid Sound Fisheries EG</i>	<i>Naomi Maasberg</i>	<i>Stillwaters</i>
<i>Troy Fields</i>	<i>Mid Sound Fisheries EG</i>	<i>Joleen Palmer</i>	<i>Stillwaters</i>
<i>Renee Johnson</i>	<i>WSU Extension</i>	<i>Brittany Gordon</i>	<i>WDFW</i>
<i>Tom Ostrom</i>	<i>Suquamish Tribe</i>	<i>Jeff Adams</i>	<i>Washington Sea Grant</i>
<i>Kathlene Barnhart</i>	<i>Kitsap County</i>	<i>Katy Doctor-Shelby</i>	<i>NOAA</i>
<i>Carin Anderson</i>	<i>Kitsap Cons. District</i>	<i>Michael Blanton</i>	<i>WDFW</i>
<i>Scott Gallacher</i>	<i>Key Pen Parks</i>	<i>Marty Ereth</i>	<i>Pierce County</i>
<i>Chris Hammer</i>	<i>City of Bainbridge</i>	<i>Alan Beam</i>	<i>Enetai Homeowners</i>

- 1. Introduction, agenda review, and meeting approval** - Members introduced themselves and later approved the February 2016 meeting summary. Kathy Peters resigned as CAG Chair, due to work obligations. Marian thanked Kathy for all her work. Brittany Gordon offered to be the new Chair.
- 2. Project presentations** - This grant round, there are 13 project sponsors, 25 projects that total \$9,936,880. See below for a summary of the projects.

Project Name	Description	Sponsor	Request
Purdy Creek Fish Passage Design at 160th St NW	Design fish passable crossing at 160th ST NW, opening up five miles of stream.	Pierce County	\$87,000
Huge Creek Fish Passage Construction at 160th St NW (Countyline)	Design and construction for fish passable crossing at 160th ST NW opening up 10+ miles upstream.	Pierce County	\$600,000
Enetai Creek Salmon and Steelhead enhancement	Restore approximately 500 feet by adding LWD, boulders and reconfigure channel. Add 1000 yards of 4-6 inch gravel and repair some armoring installed in 2014/15.	Enetai Homeowners Community Inc.	\$85,000
Keta floodplain restoration/ Golf Club Hill Road Bridge	Replace Golf Club Hill Rd. culvert with 118' span bridge, restore floodplain between Chico Way and NW Gold Club Hill road	Suquamish Tribe or Kitsap County? Lead agency has not been determined.	\$3,500,000
Carpenter Creek Watershed Protection	Protect five properties totaling 22 acres along Carpenter Creek and Trillium Creek. Three logged acres will be restored.	Stillwaters Environmental Center	\$800,000

Carpenter Creek estuary restoration and monitoring - data analysis and dissemination	To analyze and publish the large volume of monitoring data on the estuary and salt marsh collected over the last 10 years - pre and post bridge construction.	Stillwaters Environmental Center	\$30,000
Nearshore Restoration and Armor removal program	Removal of five bulkheads on marine shoreline properties to restore shoreline and functions.	Kitsap County, DCD	\$500,000
Harper Estuary Bridge Construction	Restore tidal function at Harper estuary by replacing an undersized culvert and fill with a bridge.	Kitsap County	\$300,000
Winter Creek Acquisition	Acquire 38 acres of high quality habitat in tributary of Rocky Creek.	Great Peninsula Conservancy	\$483,880
Curley Creek Acquisition	Using the assessment, complete the purchase of the highest quality habitat along Curley Creek.	Great Peninsula Conservancy	\$258,000
Northlake Way Culvert Replacement Design	Design a culvert replacement to improve fish passage at Northlake Way.	City of Bremerton	\$200,000
Parish Creek culvert replacement and habitat restoration	Design a culvert replacement to improve fish passage and riparian where W Belfair Valley Rd crosses Parish Creek.	City of Bremerton	\$200,000
Fleming Creek Fish Passage and Restoration	Fish passage will be restored to one mile of high quality fish habitat in upper Dickerson Creek watershed. Approximately 550 feet of stream and one acre of riparian and floodplain area will be restored.	Kitsap Conservation District	\$300,000
Finn Creek Restoration Project	Final designs for restoration of natural processes on the lower reach of Finn Creek.	Wild Fish Conservancy	\$90,000
Gig Harbor Peninsula Water Type Assessment	Field surveys to map and classify 80 stream reaches. Sample 30 sites for eDNA to determine salmonid distribution.	Wild Fish Conservancy	\$165,000
Johnson Creek	Design for stream corridor improvements, culvert removal and pocket estuary restoration.	City of Port Orchard	\$1,250,000
Little Minter Creek - 144th Culvert Project	This project will provide a design to replace a culvert on Little Minter Creek at 144th.	Key Peninsula Metropolitan Park Dist.	\$50,000
Dogfish Creek Estuary LWD restoration	The MSFEG will place 14 large conifers complete with rootwads along the estuary shoreline of the former Dove property addition to Poulsbo's Fish Park.	Mid Sound Fisheries Enhancement Group	\$28,000

Mac's Dam and Blakely Harbor Fish Passage and habitat improvement feasibility/assessment	Assess stream, watershed and infrastructure conditions and evaluate repair and replacement options for fish passage and improvement projects within the watershed and evaluate conceptual design options.	Bainbridge Island Land Trust - Subject to Change	\$100,000
Cowling Creek/Miller Bay Rd Culvert replacement and design	Design will be completed on a replacement for two existing 36" concrete tile culverts under Miller Bay Rd	Mid Sound Fisheries Enhancement Group	\$500,000
Cowling Creek Columbia Street Culvert Preliminary TSL, 15% engineering and geotechnical services	Mid Sound will work with Kitsap Co. Public works to identify the type, size and location based on geotechnical of the replacement bridge required to remove 100% existing anadromous fish barrier	Mid Sound Fisheries Enhancement Group	\$75,000
Appletree Cove Bode bulkhead removal and nearshore restoration	To restore beach and nearshore function on a stretch of private beach. Remove 100' of vertical creosote bulkhead pilings along the beach replace with LWD and sediments and native plants.	Mid Sound Fisheries Enhancement Group	\$80,000
Appletree Cove Gleysteen bulkhead removal and nearshore restoration	To create a design and implement the removal of 100' of vertical creosote bulkhead pilings followed by placement of LWD. Non-native plants would be replaced with native vegetation. Project required barge deployment.	Mid Sound Fisheries Enhancement Group	\$100,000
Miller Bay Estuary Restoration Coordinated with Schiller Soft Shore Armoring Project	Remove dock structure from beach, place LWD, coordinate this project with owner paid soft shore armoring project.	Mid Sound Fisheries Enhancement Group	\$75,000
Port Orchard Sledd Bulkhead Removal and Nearshore Restoration	To remove shore armor and plant native vegetation along a 50' length of shoreline to increase intertidal area and restore natural ecological processes, structure and functions.	Mid Sound Fisheries Enhancement Group	\$80,000
		TOTAL	\$9,936,880

Below is additional project information presented by project sponsors and feedback from TAG/CAG:

Purdy Creek Fish Passage Design at 160th– Marty mentioned there was good forested habitat upstream of the culvert and that he is hopeful to work with Kitsap County but has not heard back from them.

Huge Creek Fish Passage Construction – This creek has been water typed. Pierce County is looking for construction and inspection funds for this project – no design funding (this is already funded). There is approximately 10 miles upstream of good Chinook habitat. It is most likely that a bridge will replace the culvert.

Enetai Creek Salmon and Steelhead enhancement – This creek used to be the most polluted creek in the county, but now it is no longer on the list. The project would be for erosion control by placing LWD in the stream. Gravel would be added to enhance spawning habitat. The creek would be planted with fish once done. Neither Mason nor Kitsap Conservation District can take the lead on the project because it lies within City of Bremerton. The Mid Sound Fisheries Enhancement Group offered to be the project sponsor. Glen Jurgens owns the property at the project site. The City has offered to donate the LWD, but private property and liability issues make it hard for them to do more.

Keta floodplain restoration/Golf Club Hill Rd Bridge – This project will be submitted as a PSAR Large Cap project. The WSWC is allowed to submit up to three projects for Large Cap. It will not be ranked with other projects. The PI of this project is 51 and is one of the highest priority barriers in the county. The project permits should be ready in one to two months and the project should be ready to go in 2017. The in-water work for this project will be substantial. The Tribe estimates they will have all funding needed by 2018. The Tribe has a partnership with the Kitsap County, and the County Roads Department has paid \$450,000 into the project.

Watershed protection and property acquisition – Stillwaters reported that the properties they are trying to acquire are in the Urban Growth Area; not developed and good fish habitat (mostly riparian). Some parcels are zoned light industrial. Parcels are downstream of Carpenter Lake and low gradient. Stillwaters would hold the property after the acquisition. The GPC has been advising Stillwaters, and might hold the property.

Carpenter Creek estuary restoration and monitoring – Stillwaters has collected monitoring data at Carpenter Creek for 15+ years, including water quality since 2000. Stillwaters adopted monitoring protocols based on Olympic Sculpture Park in Seattle. It is hoped that data collected here will show the need for estuary restoration. The project costs consist of staff time over a two year period (50 hours a month for Part Time staff), Administrator and supervisor (\$3,800) and some printing costs.

Nearshore restoration and armor removal – This project builds on the momentum that Kitsap County has gained over the past 5 years completing nearshore restoration projects. The County would like to offer assistance with permitting and geotechnical assessment. The five project sites, to be selected by August 2016, will be Single Family residential properties. Landowners will still have to pay some costs for bulkhead removal. The question was raised, who would manage the project. The County is hopeful that trained volunteers will be able to help manage the projects.

Harper Estuary Bridge Construction - The full design for this project was funded last year and just getting under contract now. The County will apply for PSAR Large Cap funds as well as ESRP funding. Kathy is managing the grant. The bridge is estimated to be 120 feet, with a pier in the middle. There is a possibility of funding from left over restoration funds.

Winter Creek (a.k.a. East Fork Rocky Creek) Acquisition – East Fork Rocky Creek hosts steelhead and is in a protected zoning (Rural protection 1/10). The wetland on site is not on wetland map. The property was logged in the 1990s.

Curley Creek Acquisition – Currently, there is a feasibility study being conducted on Curley Creek to determine the best properties to purchase for protection. This project would begin acquisition work on properties identified in the assessment. The property encompasses 30 acres of creek frontage. There is

a single, willing landowner for this property and he will have to accept appraised market value in order for the acquisition to go through.

Northlake Way Culvert Replacement Design – This project is listed in the Chico Watershed assessment. The PUD has a monitoring station at this site. Upstream, approximately 1 ½ mile, there are other partial barriers. If this culvert is removed and replaced by a bridge, it would allow fish access all the way to Kitsap Lake.

Parish Creek Culvert replacement and habitat restoration – This barrier is on the City of Bremerton's Capital Improvement Plan and it is a high priority culvert. It is a partial fish barrier with heavy sediment; soils are sand and gravel. This is a concrete culvert and the city owns all the property where the culvert is located and the Right of Way. There is a partial barrier upstream. It would be an easy removal with just three feet of fill on top of the culvert and the cost would be reasonable (Approx. \$500,000 to \$700,000). The TAG recommended to get upstream and out of the Zone of Influence. A feasibility study and Preliminary design (with phases) was recommended. The question was raised – What about a bridge? In a non-confined channel, bridges are usually required.

Fleming Creek Fish Passage and Restoration – Fleming Creek has a natural waterfall that is a fish barrier. There is better habitat upstream. The Conservation district has a willing landowner, whose property is a homestead. The culvert will be a challenge and it will bring in sediment.

Finn Creek (a.k.a. Finland Creek) – This project would fund preliminary design and permits for this County owned property at Point No Point. There is a tide gate upstream. An ALEA grant is being sought. The conceptual design has already been done and there is baseline water quality and fish and wildlife data for the site. Historically, this site was very marshy. The onsite boat launch is being removed by WDFW. Two miles upstream, it is forested and there might be a barrier at the headwaters.

Gig Harbor Peninsula Water Type Assessment – This project would include eDNA analysis. The WFC is looking for the distribution of species of interest and is hoping to test 30 sites (90 samples with 3 samples per site). The WFC would like to work with the WSWC TAG to determine sample sites. Sampling will take place over different seasons. Other project partners will contribute funding (Pierce County at \$21,000 and USFWS at \$8,500).

Johnson Creek – This creek has a 450 foot culvert at the mouth and continues a series of culverts upstream. It is estimated that there are 18 culverts within a 1.8 mile run. The City of Port Orchard would like to redesign Port Orchard Blvd. with a Complete Streets mentality. This road has flooding and stormwater issues. The road and utilities will need to be replaced soon. This culvert is on the injunction list and DOT claims ownership of Right of Way. The City of Port Orchard would like to purchase the properties at the mouth. It was suggested that the City scale the project to a feasibility study.

Little Minter Creek – 144th Culvert Project – This project would result in a design. The creek is targeted as a restoration site in the KGI watershed plan. There is no development around and there is a nice wetland. There needs to be some erosion control. The site is owned by Tacoma Public Utilities.

Mac's Dam and Blakely Harbor Fish Passage habitat improvement feasibility/assessment – The goal of this project is a conceptual or preliminary design. There are three culverts along the reach. On the Islandwood property, there would be 1,250 feet of fish habitat opened up and would not be too expensive to remove. Some options that have been discussed were to notch the concrete to allow for

