

East Kitsap Salmon Recovery 3 year Priority Narrative

The 3 year priority list for the East Kitsap is focused on completing and monitoring projects that will protect and restore the nearshore and estuarine environment in the planning area; and establishing a formal planning organization for the municipalities, counties and tribes to implement salmon recovery. This list is not in priority order, and should be considered draft as it has NOT been vetted by the citizens or technical advisory groups.

The following is all of the priority projects listed in our 3 year priority list, and accompanying biological and practical explanations for inclusion on the list:

Chico Creek instream restoration –

1. Biological: This restoration is at the Kitsap Golf and Country Club, where over 1000 feet of stream in the lower reach of Chico Creek has been channeled and banks armored. The area has two primary problems – failing weirs impede passage of chum upstream to 16 miles of habitat, and lack of habitat diversity contributes to high velocity and further degradation of the stream. This Creek is the most important salmon producing stream on the entire Kitsap Peninsula, particularly for chum salmon but also for coho, cutthroat, steelhead, and occasional Chinook.
2. Practical: The restoration is a key part of the lower Chico Creek restoration process. The upstream piece of property was funded for acquisition with natural floodplain features. Downstream the property is mostly in public ownership, by Kitsap County and Washington Dept. of Transportation. The largest parcel is associated with Highway 3 and its interchanges, which is planned to be rebuilt as a part of the Fish Habitat Retrofit Program. The rebuild of Highway 3 is planned to occur within the next 10 years. We are also in the process of securing tidelands at the mouth of Chico Creek.

Carpenter Creek, Barker Creek and Beaver Creek Estuary Restorations-

1. Biological: These projects will each restore both estuarine and nearshore functions to portions of the western Puget Sound shoreline. Each project differs in its potential benefit to Chinook salmon and will test the hypothesis that the restoration will improve the ecological functions necessary for various plant and animal community structures.
2. Practical: It is imperative that funding adequate evaluation of the efficacy of these projects be included before the actual construction occurs. Due to the nature of funding these projects, that funding was not included in those budgets.

Strawberry Plant Park, Bainbridge Island (BI) Waterfront Park Restoration, BI Blakely Harbor Park, BI Manitou Beach Marsh, BI Pritchard Park East Bluff-

1. Biological: These projects were identified by the City of Bainbridge Island (CoBI) Nearshore Assessment project as critical for salmon recovery. All are nearshore projects. Chinook have been documented to use these areas.
2. Practical: These projects and others will be refined as we continue to fill data gaps. These are examples at this time of the sorts of projects we anticipate for the next three years.

Non-Capital Projects:

- 1. East Kitsap Watershed Organization:** Currently, no funding available for this task. The Lead Entity Coordinator has added this unplanned task to her work schedule, with the approval of the Wash. Dept. of Fish and Wildlife.
- 2. East Kitsap Nearshore Assessment:** Due to increase in contract costs this critical task needs additional funds for implementation.
- 3. Shoreline Stewardship & Outreach:** Beginning with City of Bainbridge Island, we plan to develop incentive and education programs for nearshore property owners.
- 4. Hatchery –Wild Chinook interactions in the nearshore –** One of the strongest Hatchery Scientific Review Group recommendations for the East Kitsap area was to continue funding this analysis while the Chinook hatchery programs continue.
- 5. Dogfish Creek Estuary Monitoring -** Potential benefit to Chinook salmon, will test the hypothesis that the restoration will improve the ecological functions necessary for various plant and animal community structures.
- 6. Marine Riparian Initiative, Water Quality Monitoring, BI forage fish surveys, BI drift cell mapping and sediment budget -** These projects and others will be refined as we continue to fill data gaps. These are examples at this time of the sorts of projects we anticipate for the next three years.

East Kitsap Salmon Recovery Planning Summary

The planning area for the East Kitsap Chapter of the draft Puget Sound Salmon Recovery Plan is the portion of Kitsap County that drains toward Puget Sound, including Bainbridge and Blake Islands and the associated watersheds, nearshore and marine waters. The planning area has over 200 miles of shoreline that include many inlets with quiet, shallow waters which are ideal foraging and rearing habitat for juvenile salmon. Juvenile salmonids have been documented along the shoreline in high numbers from March through July and in lower numbers throughout the year. The numerous small streams in East Kitsap primarily support chum and coho salmon, steelhead and cutthroat trout. Chinook spawning, incubation and rearing have been identified in some of the larger streams. The streams are not typical Chinook streams, for they are groundwater- and rainwater-supported with no high-altitude supportive snowpack. There are no genetic stock identification data for naturally spawning Chinook in this area.

Salmon recovery planning in the East Kitsap planning has been developed with the recognition that the nearshore and marine areas play an important role in providing support for Chinook salmon originating from all portions of Puget Sound. The combination of programs and programmatic actions that is described in the East Kitsap chapter represents a comprehensive effort to conserve and restore salmon habitat using a multi-species, ecosystem approach.

The goal of the East Kitsap salmon recovery planning is to restore healthy self-sustaining wild populations of the salmon species that are native to the streams and shorelines of the Kitsap Peninsula. Four objectives to accomplish this goal are:

- Increase population levels
- Maintain geographically diverse populations
- Promote the preservation and restoration of healthy, functioning ecosystems
- Increase public understanding and support for salmon recovery.

Key Objectives:

- Protect and restore marine nearshore areas - considered a priority based on benefits to all salmon stocks using these waters.
- Implement freshwater restoration and protection projects that will provide salmon refugia, increase productive capacity, and stabilize stream functions such as sediment transfer and riparian structure.
- Increase public awareness and support for both freshwater and marine ecosystem health.

Initial Steps/Milestones for 3 year plan:

- Establish salmon recovery planning organization to serve the East Kitsap watershed and to implement the Recovery Plan.
- Complete the nearshore assessment for East Kitsap.
- Complete restoration projects scheduled for Chico Creek, Carpenter Creek, Barker Creek and Beaver Creek, adding monitoring components where needed.
- Establish formal outreach program for shoreline stewards.
- Continue to use results of the Bainbridge Island Nearshore Assessment to develop pilot projects

East Kitsap Watershed
 Three-Year Implementation Plan
 Draft for planning
 purposes only

Project Name	Geog. Tier	Project Sponsors Other details	Program phase	Status	Project/Phase Description	\$\$	\$1000	Local	All \$\$ in 1000's	Next 3 Years		
						rec'd	needed	match, other		Funding Description	2007	2008
						SRFB	funds needed					
Capital projects and programs												
Chico Creek instream restoration	1	Kitsap County	Partially funded project		Major reconstruction of 1000' of lower Chico Creek, #1 salmon stream in watershed							
			Phase 1	Received funding, awarded contract (Herrera Environmental Consultants)	design & engineering	\$474		\$236	SRFB, Kitsap SSWM, Kitsap Golf & CC, other outstanding grants			
			Phase 2	Underway	Final Design							
		*grant applications have been submitted	Phase 3	Scheduled for 2007	Construction		\$100			\$100		
			monitor program	pre-project assessment completed	10-Year monitoring per IAC contract				SRFB -Tetrattech	\$0	\$0	\$0
Carpenter Creek Estuary Restoration	1	Kitsap County & US Army Corps of Engineers	partially funded project		Removes constriction at mouth of undeveloped 26 acre estuary							
			Phase 1	Feasibility study (to 35% design)	conceptual planning & design	\$619		\$85	US COE Section 206, SRFB, Kitsap Co.			
		*must be earmarked in Fed 07 budget	Phase 2	Feasibility study (to 65% design)	waiting for FY07 fed budget		\$1,600		Not confirmed in FY07 budget	\$1,600		
		"non-federal" partner obligated for 35% costs	Phase 3	Scheduled for 2007	final design/construction		\$400		Potential shortfall for "non-federal partner"	\$400		
		\$\$ estimate from draft COE Feasibility study	monitor program	Some baseline monitoring has begun	10 yr. monitoring required per COE		\$220		Stillwaters has some funding		\$110	\$110
Barker Creek Estuary Restoration	1	Mid-Puget Sound FEG	partially funded project		Replaces 5' wide culvert to restore estuary and nearshore function							
			Phase 1	Received funding, completed design and permitting	design & permitting	\$417		\$192	SRFB, Mid Sound FEG, NFWF, USFWS			
		Project re-engineered, bids this much over budget	Phase 2	Scheduled for 2007	Construction		\$500			\$500		
		Beach seining assessment has begun using PSC funds	monitor program	10-Year monitoring now and after construction	Monitoring		\$60		Suquamish Tribe, Olympic College	\$20	\$20	\$20
Beaver Creek Estuary Restoration	1	US Navy, Mid-Sound FEG, Suquamish Tribe	project		Removes fish ladder, reconstructs 4.5 acres historic estuary							
			Phase 1	funded and designed	conceptual planning & design	\$485		\$209	US Navy, Suquamish Tribe, Mid-Sound FEG			
			Phase 2	Scheduled for 2007	final design/construction							
		Estimate based on half of cost for Carpenter Creek	monitor project	10-Year monitoring now and after construction	Monitoring		\$110		Suquamish Tribe		\$55	\$55
Strawberry Plant Park & Restoration	1	CoBI & BI Parks	Phase 1	Completed	Acquisition				COBI General Funds			
			Phase 2	Completed	Conceptual restoration planning			\$1	COBI, Tribe, SeaGrant			
			Phase 3	Underway; phase completion est. July 2006; get City Council (& Park Dist) approval of design; apply for funding	Preliminary Planning & Design			\$71	COBI General Funds			
			Phase 4	planned for 07/08	Final Design & Construction		\$650			\$200	\$450	
			Phase 5	costs are estimates	Monitoring & Maintenance		\$100				\$50	\$50
BI Waterfront Park Shoreline restoration		City of Bainbridge Island		planning underway	design/construction		\$300	\$60		\$50	\$250	
BI Blakely Harbor Park		City of Bainbridge Island		Identified in BI Nearshore assessment	design phase		\$200	\$200			\$200	
Manitou Beach Marsh		City of Bainbridge Island		Identified in BI Nearshore assessment	design and construction		\$600	\$100		\$200	\$400	
Pritchard Park East Bluff		City of Bainbridge Island					\$600	\$50	EPA may partner		\$600	
Total	\$5,440,000						\$5,440	\$1,204		\$3,070	\$2,135	\$235
Non-Capital Programs												

