

**Concept Document**  
***Addendum No. 1***

**Elliott Bay/Duwamish Restoration Program**

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Prepared for the  
Elliott Bay/Duwamish Restoration Program Panel  
by the  
King County Water Pollution Control Division

Panel Publication 14

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## **Addendum No. 1 to Concept Document**

Addendum No. 1 of the *Concept Document*, June 1994, includes the following descriptions of habitat development sites 1 and 2 and a revised "Table 5: Potential Habitat Development Site Ranking."

### **Description of Habitat Development Sites**

**Site 1.** This site is located in the Turning Basin area, upstream of the navigable waterway, on the east bank of the Duwamish River. It is adjacent to a Boeing Company office complex, grocery warehouse and tank-truck facility. The 4.6-acre site ranges between 13 feet and 15.5 feet in elevation.

#### **Additional Site Considerations**

- This portion of the Duwamish River is believed to be an area important to juvenile salmonid saltwater transition (Eric Warner and Robert Fritz, 1995. The Distribution and Growth of Green River Chinook Salmon and Chum Salmon Outmigrants in the Duwamish Estuary as a Function of Water Quality and Substrate. Auburn, Washington: Muckleshoot Indian Tribe.) A restoration project at this site would also benefit benthic and epibenthic invertebrates, marine fish, a variety of shorebirds and upland mammals.
- The project area has a natural shoreline and a well-developed distributary channel in the intertidal flats.
- Restoration work at this site would provide expanded area and enhanced value of nearshore subtidal, unvegetated flats, emergent marsh and riparian habitat types.
- Other planned and/or potential habitat restoration work in the Turning Basin area would likely benefit and be benefited by restoration work at this site.
- A habitat restoration project at this site, being above the navigable waterway, would benefit from reduced vessel wake and problems associated with erosion.
- Historically, the site was probably intertidal swamp habitat; the constriction in the channel may have been the location of a native fishing area.
- The site has potential for the development of public access, education and interpretive facilities, including potential linkage to the Duwamish bicycle trail.
- The site is privately owned, with a Seattle City Light transmission easement running across the north end of the site.

**Site 2: North Wind Weir.** This 4-acre site is located south of the Turning Basin, upstream of the navigable waterway on the west bank of the Duwamish River. The site is directly across the river from Site 1. To the north is a U.S. Postal Service facility; the site is abutted on the south by a small parcel of vacant land and West Marginal Way Southwest. It ranges between 15 feet and 22 feet in elevation. The King County Parks Department is in the process of developing plans for proposed park and trailhead development of the three acres of the site, which it owns. Habitat restoration activities could be completed in conjunction with public access and interpretive displays.

*Additional Site Considerations*

- This portion of the Duwamish River is believed to be an area important to juvenile salmonid saltwater transition (Eric Warner and Robert Fritz, 1995. The Distribution and Growth of Green River Chinook Salmon and Chum Salmon Outmigrants in the Duwamish Estuary as a Function of Water Quality and Substrate. Auburn, Washington: Muckleshoot Indian Tribe.) A restoration project at this site would also benefit benthic and epibenthic invertebrates, marine fish, a variety of shorebirds and upland mammals.
- The shoreline is riprap, with an area of unconsolidated material on a more gentle slope extending from the toe of the riprap in the lower intertidal to subtidal areas.
- Restoration work at this site would provide expanded area and enhanced value of nearshore subtidal, unvegetated flats, emergent marsh and riparian habitat types.
- A habitat restoration project at this site, being above the navigable waterway, would benefit from reduced vessel wake and problems associated with erosion.
- Other planned and/or potential habitat restoration work in the Turning Basin area would likely benefit and be benefited by restoration work at this site.
- This site has potential for the development of public access, education and interpretive facilities. The King County Parks Department is proposing that the site serve as a trailhead for the adjacent Duwamish bicycle trail.
- Utility easements will require investigation.
- This site could be cooperatively developed with the King County Parks Department.

**Table 5: Potential Habitat Development Site Ranking**

**(Revised January 1996)**

Site	Size (acres)	Distance from Contam.	Injury	Habitat Types	Prox. Habitat	Land Use: Exist.	Engr. Cost/ Success	Proximity to Public Facilities	Owner - ship	Publ. Access	Land Use: Potential	TOTAL RANKING SCORE
Site 5: City Light North	High	High/Med	High	Medium	High	High	Low	Medium	High	High	Medium	High
Site 22: Myrtle Edwards	Medium	Medium	High	High/Med	Medium	High	Medium	High	High	High	High	High
Site 2: North Wind Weir	Medium	High	High/Med	Medium	High/Med.	High	Medium	High	High	High/Med	Medium	High
Site 4B: Kenco/City Light S.	Medium	High/Med	High	Medium	High/Med	Medium	Medium	Medium	High	High	High	High
Site 4: City Light South	Medium	Medium	High	Medium	Medium	Medium	High	Medium	High	High	High	High
Site 17: Terminal 105	High	Med/Low	High/Med	Med/Low	High	Medium	High	High	Medium	High	Med/Low	High
Site 26: Seaboard	High	Medium	High	Medium	High	High/Med	Medium	Medium	Low	Medium	Medium	High
Site 23: Pier 89	Medium	High/Med	High	High/Med	Medium	High/Med	Low	High	Low	High	High/Med	High
Site 14: Kellogg Island	High	Medium	High	Med/Low	High	High	Low	Low	Medium	High	High	High
Site 13: Terminal 107	High	Medium	Medium	Low	High	High	Medium	High	Medium	High	Medium	High
Site 1	Medium	High	High/Med	Medium	Low	High/Med.	Medium	High	Low	High/Med	Medium	High
Site 25: West Seattle Shore	Medium	Medium	High/Med	Med/Low	Medium	High/Med	Low	High	High	High	High	Medium
Site 3: Turning Basin	Medium	High	High	Medium	High/Med	Med/Low	Medium	Low	Low	Medium	Medium	Medium
Site 8: Duwamish Pk.	Low	Medium	High/Med	Med/Low	Low	High/Med	High	High	High	High	High/Med	Medium
Site 11B: 1st Ave. S/509 marsh	High	Low	Medium	Med/Low	High	Medium	Medium	High	High	Medium	Low	Medium
Site 30: Smith Cove U/W Park	Low	Medium	High	Low	Low	Medium	High	High	High	High	High	Medium
Site 16: Terminal 108	High	Low	High/Med	Med/Low	High/Med	Medium	Medium	High	Medium	Low	Low	Medium
Site 27: Puget Creek	Low	Medium	Low/Med	Medium	High	High	Medium	Low	Low	High	Medium	Medium
Site 11: 1st Ave. S	Medium	Low	High/Med	Med/Low	Low	Low	High	High	Medium	High	Low	Medium
Site 31: Pier 1	Medium	Low	High/Med	Medium	Low	Medium	Low	High	Low	High	Medium	Medium
Site 18: Spokane St.	Low	Low	High/Med	Low	Low	Med/Low	High	High	High	High	Medium	Medium
Site 7 Sea King Ind. Park	Medium	Med/Low	High/Med	Low	Medium	Med/Low	High	Low	Low	Low	High	Medium
Site 10: Slip 4	Medium	Low	High	Medium	Low	Low	Low	Medium	Low	Medium	Medium	Low
Site 9: South Riverside	Low	Low	High/Med	Med/Low	Low	Med/Low	Medium	Medium	High	Medium	Med/Low	Low
Site 19: East Waterway	Low	Low	High/Med	Med/Low	Low	Med/Low	Low	High	Medium	High	Low	Low
Site 24: Pump Station	Low	Low	High/Med	Med/Low	Low	Medium	Low	Medium	High	Medium	Medium	Low
Site 28: Riverbend Park	Medium	High	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Low
Site 21: Pier 27	Medium	Med/Low	High/Med	Med/Low	Low	Low	Medium	Low	Low	Low	Low	Low
Site 6: Slip 6	Medium	Low	High/Med	Low	Medium	Med/Low	Low	Low	Low	Low	Medium	Low
Site 12: Terminal 115	Low	Medium	High/Med	Low	Low	Low	Low	Low	Low	Medium	Medium	Low
Site 20: Fisher Mills	Low	Low	High/Med	Low	Low	Med/Low	Medium	Low	Low	Low	Low	Low
Site 29: Longfellow Creek		Low	Low	Low	High/Med	Low		High	Low	Medium		Low