

MONITORING PLAN - YOWKWALA

PROJECT:

Yowkwala

LOCATION:

Hylebos Waterway, Commencement Bay,
Tacoma, Washington.

DESIGN OBJECTIVES:

- Enhance intertidal area for juvenile salmonid migration.
- Demolish and remove two derelict barges and a drydock and associated debris.
- Maintain and facilitate further development of marsh vegetation.
- Protect and preserve the site for natural resources.



CRITERIA: BSC 1,2,7

SITE SUMMARY:

The project site, approximately 15 acres in size, is located between Browns Point and Tye Marina. Two derelict barges, a dilapidated drydock and other debris have been removed from the cobble beach. The barges had provided a sheltered area for a small fringe marsh which is anticipated will remain and may be facilitated through further restoration activities.

VOLUNTEER OPPORTUNITIES:

To be defined prior to conducting sampling activities.

REFERENCE / COMPARISON SITES: Based upon approval of the Trustee Council, appropriate reference sites will be selected for various sites and various criteria. For example: plant vigor (**BSC3**) would incorporate comparison data from a site adjacent to Squally Beach along the inner Hylebos mudflat, Elliott Bay monitoring data and data reported for Coastal America sites; Fish (**BSC7**) sampling results could be compared to historical data gathered by the Puyallup Tribe of Indians in Commencement Bay and the Muckleshoot Indian Tribe in the Duwamish and data gathered at Coastal America sites. Invertebrates (**BSC8**) inhabiting restored areas could be compared to the Outer Hylebos mudflat - provided that grain size is appropriate. Bird usage (**BSC9**) could be compared across all sites and include the Duwamish Waterway restoration projects.