WAHKIAKUM FERRY

Project Description

The channel extension would start at about river mile (RM) 43.2 and proceed from the main channel to the ferry dock on the south side of the Puget Island just west of Pancake Point (Figure 1).

Maintenance

As Required.

Sediment

Physical analysis from shows the sediment to be sand and with <2.0% fines. This material meets the exclusionary criteria of the Clean Water Act and therefore requires no further testing.

Sediments Evaluation

1990 May, Two sediment samples were taken from the proposed channel extension, along the route to the Westport Ferry, between Puget Island and the main channel. The sediment was sampled in order to determine disposal options for the dredged material. Physical analysis showed that the material is 98.5% sand with 1.5% fines. Sediment samples have been taken for chemical analysis across the river from and downstream from the proposed project (see the Westport Slough Sediment Evaluation, August 1990 for chemical analysis).

1996 August, Three sediment samples were collected by dragging a six inch diameter metal pipe sampler (18 inches long) across the shoal area. The sediment was subjected to physical analyses only. The material averaged 99.5% sand, ranging from 99.3% to 99.8%. Volatile solids, a measurement of organic content, were 0.4%, 0.5% and 0.55%. The material to be dredged from the Federal project meets exclusionary criteria under the Clean Water Act and therefore does not require further testing.

2005 July, A total of five (5) surface grab sediment samples were submitted for physical and chemical analyses. The combined averages indicate the material is 85.0% sand, 15% silt and clay, with 0.8% volatile solids. The chemical analyses indicated only low levels of some metals (Cu, Pb, Ni & Zn) in the samples, with all levels well below their respective DMEF screening levels (SLs); all laboratory method detection levels (MDLs) reported were below SLs. No pesticides, PCBs or PAHs were detected in any of the samples, also, with MDLs well below SLs.

All material was determined to be suitable for unconfined in-water placement without further characterization.