

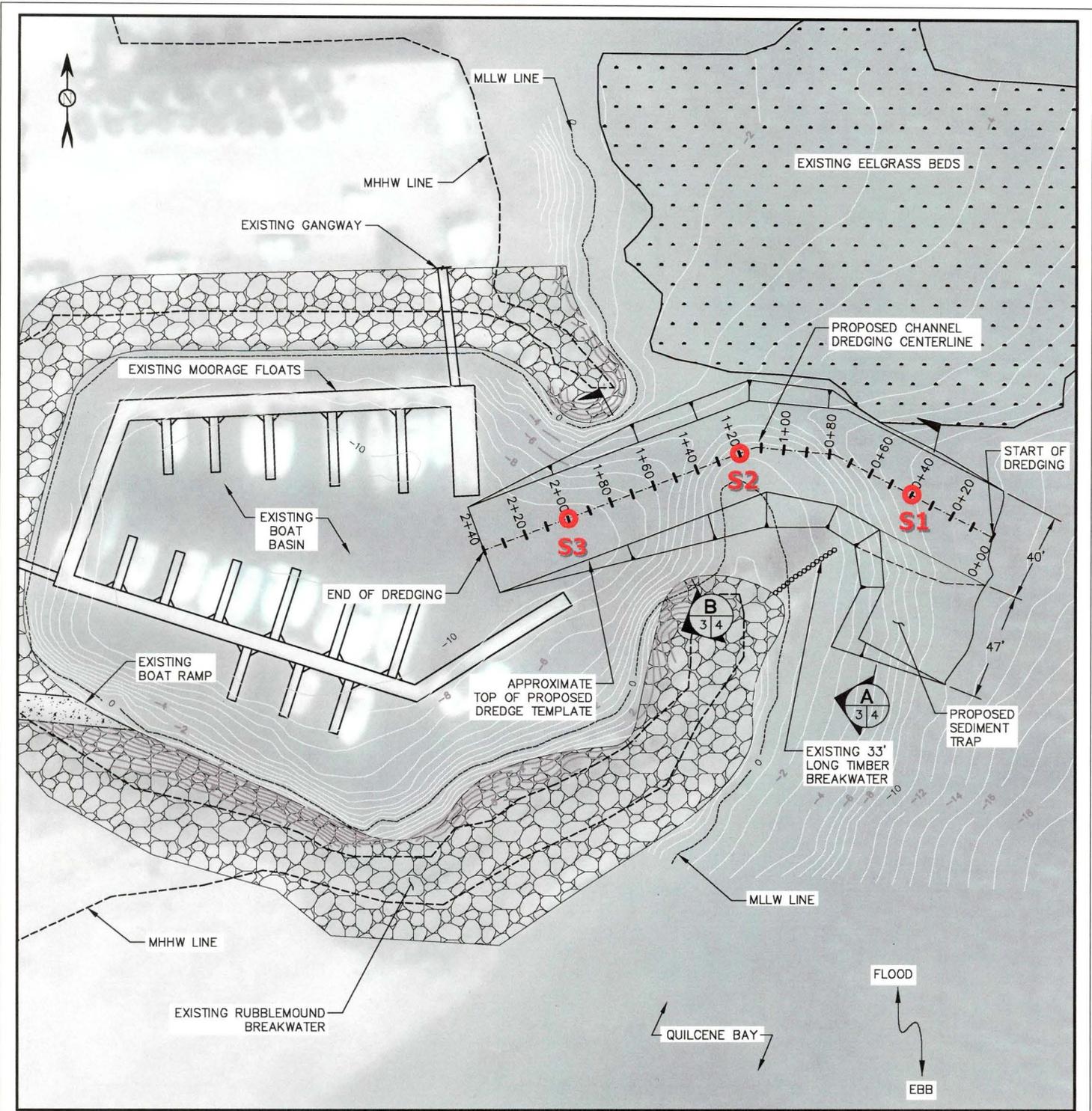
**31 March 2010**

**SUBJECT: SEDIMENT CHARACTERIZATION AT THE HERB BECK MARINA,  
QUILCENE WASHINGTON (NWS2009-498)**

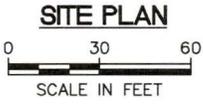
1. The Port of Port Townsend owns and operates a small marina, known as the Herb Beck Marina, at Quilcene WA. The project site has been in operation as a marina since the 1960s, and no maintenance dredging has occurred at the site.
2. The Port of Port Townsend initially proposed to dredge approximately 3500 cubic yards of material from the marina and take it to an upland location. The DMMP agencies reviewed this initial request and determined that since the material was going upland, no additional testing would be required (e-mail date April 10, 2009).
3. The applicant's agent, Marine Surveys and Assessments, contacted the DMMP agencies with the proposal to dredge and take the material to open-water disposal. The agencies determined that the project would require sediment sampling and testing for open-water disposal.
4. A sampling plan was completed in July 2009 and approved by the agencies on August 4, 2009. Sample locations are identified in Figure 1. Sampling for this project was completed on August 27, 2009, and the samples analyzed by Columbia Analytical Services. No analytes exceeded the DMMP screening levels.
5. After sampling had been completed, the applicant changed the preferred disposal location from in-water disposal to an approved upland location. The agencies determined that the data gathered in the sampling effort was sufficient to determine that the newly exposed surface would meet the DMMP guidelines regarding sediment surfaces exposed by dredging, and would be in compliance with the State of Washington anti-degradation guidelines.



Stephanie Stirling  
DMMP Project Manager



- NOTES:
1. APPROXIMATE TOTAL DREDGING VOLUME: 3,500 CY
  2. MATERIAL TO BE DREDGED: SAND
  3. METHOD OF DREDGING: MECHANICAL BUCKET DREDGING
  4. HYDROGRAPHIC SURVEY CONDUCTED ON 06/04/08 BY BLUEWATER ENGINEERING.
  5. HORIZONTAL REFERENCE: WA STATE PLANE NORTH (NAD83)
  6. VERTICAL DATUM: MLLW



**Sampling locations in red**

TIDAL DATUM (MLLW, FT)	
MEAN HIGHER HIGH WATER	11.4
MEAN HIGH WATER	10.5
MEAN SEA LEVEL	6.7
MEAN TIDE LEVEL	6.7
MEAN LOW WATER	2.5
MEAN LOWER LOW WATER	0.0

**PURPOSE:** MARINA MAINTENANCE

**DATUM:** MLLW

**ADJACENT PROPERTY OWNERS:**

1. PORT OF PORT TOWNSEND
2. XXXXX

**QUILCENE MARINA  
DREDGING PROJECT  
SITE PLAN**

**APPLICATION BY:** PORT OF PORT TOWNSEND

**LOCATION:** QUILCENE MARINA,  
QUILCENE BAY

**CORPS REFERENCE NO.:**

**PROPOSED:** ENTRANCE CHANNEL  
MAINTENANCE DREDGING

**IN:** QUILCENE BAY

**AT:** QUILCENE, WA

**COUNTY:** JEFFERSON

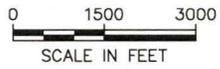
**SHEET 3 OF 4**      **DATE:** 1/7/09



PROJECT SITE  
 (S25 T27N R2W)  
 LAT: 47° 48' 5.6"N  
 LONG: 122° 51' 58.9"W

SITE PLAN, SEE  
 SHEET 3 OF 4

**PROJECT LOCATION**



**TIDAL DATUM (MLLW, FT)**

MEAN HIGHER HIGH WATER	11.4
MEAN HIGH WATER	10.5
MEAN SEA LEVEL	6.7
MEAN TIDE LEVEL	6.7
MEAN LOW WATER	2.5
MEAN LOWER LOW WATER	0.0

**PURPOSE:** MARINA MAINTENANCE

**DATUM:** MLLW

- ADJACENT PROPERTY OWNERS:**
1. PORT OF PORT TOWNSEND
  2. XXXXX

**QUILCENE MARINA  
 DREDGING PROJECT  
 PROJECT LOCATION**

**APPLICATION BY:** PORT OF PORT TOWNSEND  
**LOCATION:** QUILCENE MARINA,  
 QUILCENE BAY  
**CORPS REFERENCE NO.:**

**PROPOSED:** ENTRANCE CHANNEL  
 MAINTENANCE DREDGING

**IN:** QUILCENE BAY  
**AT:** QUILCENE, WA  
**COUNTY:** JEFFERSON

**SHEET 2 OF 4**      **DATE:** 1/7/09