

**NW Natural Pre-Remedial Design Data Gaps Sampling  
B1 Navigation Channel Project Area – Fall 2020  
Field Change Request Form**

**Project Name:** B1 Navigation Channel Project Area      **Subconsultant:** Anchor QEA, LLC

**Field Activity:** Surface Sediment Sampling      **Request Number:** 2

**To:** Hunter Young, U.S. Environmental Protection Agency      **Date:** November 18, 2020

**Field Change Request (FCR) Title:** Additional Surface Sediment Grab Collection and Analyses for Sediment Management Areas Refinement

<b>Description</b>
<p>Starting in September 2020 and continuing to date, NW Natural has been conducting pre-remedial design investigation activities in the Navigation Channel Project Area (Project Area) in accordance with the U.S. Environmental Protection Agency (EPA)-approved <i>Revised Final Pre-Design Investigation Work Plan</i> (PDIWP). As discussed in Section 3.3 of the PDIWP, the surface sediment grabs are being collected and analyzed to refine the sediment management areas (SMAs) within the Project Area based on the exceedance of the Record of Decision (ROD) Table 21 remedial action levels (RALs) and principal threat waste (PTW)-highly toxic thresholds. As shown in Figure 1, surface sediment grab concentration exceedances of the ROD Table 21 RALs and PTW-highly toxic thresholds were detected at three surface sediment grab stations (purple circles in Figure 1) along the outermost perimeter of one of the Project Area SMAs where no contingency surface sediment grab samples were proposed in the PDIWP. NW Natural proposes additional surface sediment grabs nearshore and downriver of these three stations to attempt to laterally bound the exceedances. Sampling and analysis will be completed in accordance with the PDIWP and compared against the ROD Table 21 RAL and PTW-highly toxic thresholds.</p>

<b>Recommended Change</b>
<p>NW Natural proposes to collect four additional perimeter surface sediment grabs (NCPDI-074 through NCPDI-077) at the stations shown in Figure 1 with the geographic coordinates provided in Table 1 to attempt to laterally bound the surface sediment SMA boundary.</p>

Nik Bacher, Anchor QEA		11/18/2020
<b>Respondent Field Coordinator (or Designee)</b>	<b>Signature</b>	<b>Date</b>

**Approval:**

Ryan Barth, Anchor QEA		11/18/2020
<b>Respondent Project Lead</b>	<b>Signature</b>	<b>Date</b>

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# Table

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**Table 1**  
**Additional Surface Sediment Grab Sampling Locations**

<b>Location ID</b>	<b>Easting (X)</b>	<b>Northing (Y)</b>
NCPDI-074	7620324.18	709570.98
NCPDI-075	7620231.05	709699.48
NCPDI-076	7620217.09	709812.32
NCPDI-077	7620337.84	709823.14

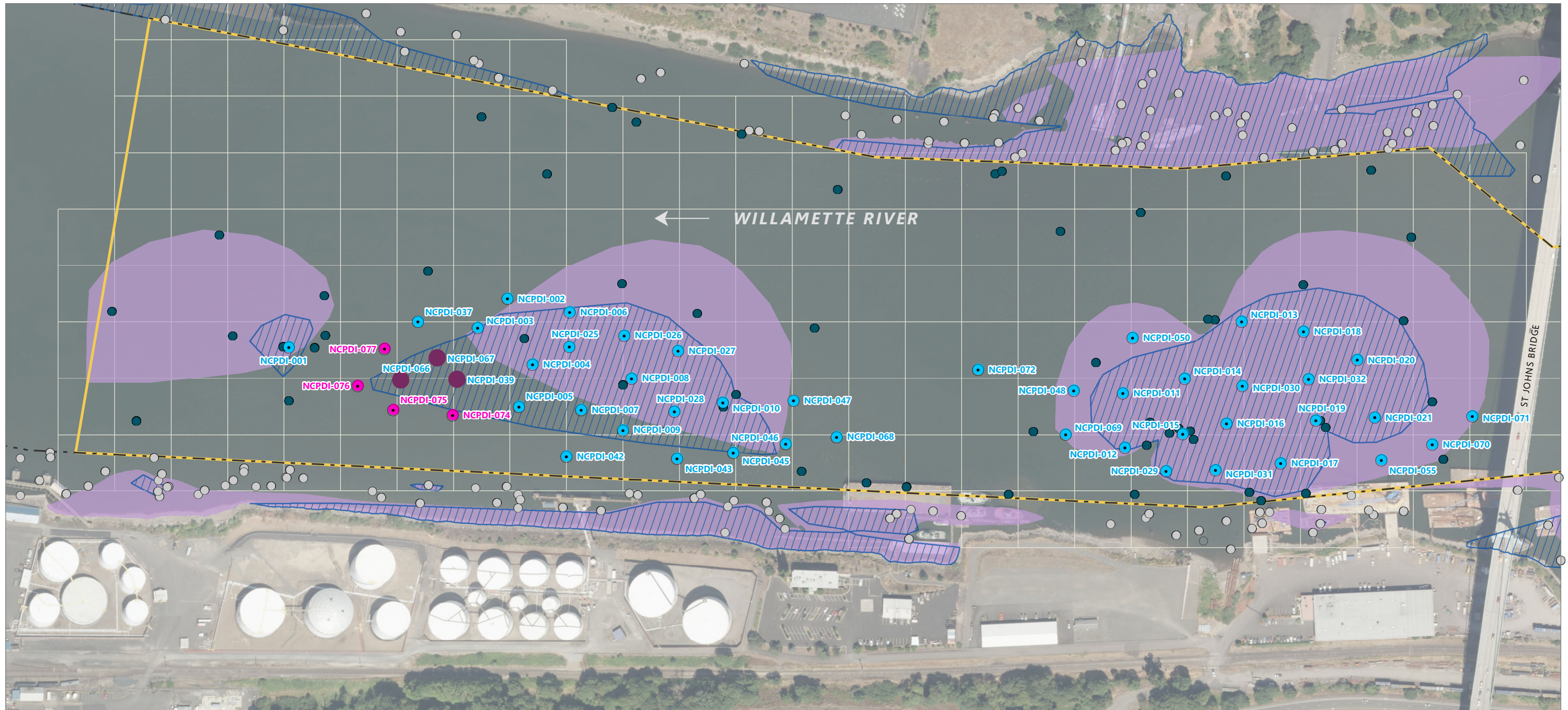
Notes:

Coordinates are in North American Datum of 1983 (HARN91), Oregon State Plane North, International Feet.  
HARN91: High Accuracy Reference Network 91

Figure

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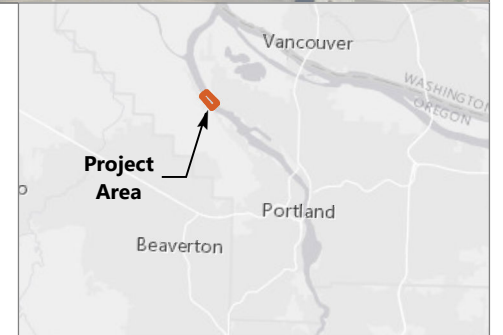
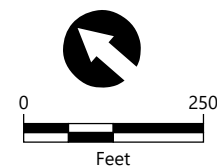


**LEGEND:**

- Project Area Boundary
  - Navigation Channel
  - Post-ROD SMAs<sup>5</sup>
  - ROD-Identified SMAs
- Locations Inside Project Area**
- Pre-2020 Surface Sediment Grabs
  - 2020 PDI Surface Sediment Grab Triggering Additional Grabs<sup>7</sup>
  - Collected or Yet to Be Collected 2020 PDI Surface Sediment Grab
  - Proposed Additional 2020 PDI Surface Sediment Grabs
- Locations Outside Project Area**
- Pre-2020 Surface Sediment Grabs

**NOTES:**

1. Arrow indicates direction of flow of river.
2. Horizontal datum is NAD83 (HARN 91) Oregon State Plane North, International Feet.
3. Vertical datum is City of Portland (COP), Feet.
4. Aerial imagery from City of Portland 2018.
5. Sediment management areas developed consistent with the ROD-identified methods using the post-ROD dataset identified in the Pre-Design Investigation Work Plan.
6. Shown grid is 150-foot by 150-foot dimensions to support data density determinations
7. TPAH RAL exceedances identified so additional perimeter surface sediment grabs necessary to bound the lateral extents of RAL exceedances.



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**Figure 1**  
**Proposed Additional Surface Sediment Grab Locations (Downriver Portion)**

Field Change Request No. 2  
 B1 Navigation Channel Project Area

**B1NC0002466**