Table 25 - Boyer-Trotsky Analytical Results Compared to LDW Risk Drivers Criteria

Sample ID Sampling Date	Remedial Action Levels [a]	Natural Background (95% UCL) [b]	BT-BS-1 5/12/11	BT-BS-2 5/12/11	BT-BS-3 5/12/11	BT-BS-4 5/12/11
Arsenic in mg/kg	28	8	**9.2**	**14.7**	**9.9**	**12.5**
cPAHs TEQ in ug/kg [c]	900	7.3	**352.4**	**326.5**	**103.57**	**162.7**
Total PCBs in ug/kg [d]	240	2	**44**	**560**	**19**	**193** J
Dioxin/Furans TEQ in pg/g [e]	25	2	**8.79**	**45.60**	**6.59**	**48.77**

Notes:
Boxed value exceeds Remedial Action Level.
Bolded value exceeds Natural Background Level.
Italics indicate reporting limit above level.
U = Not detected at the reporting limit indicated.
J = Estimated value.
T = Value is between the MDL and MRL.

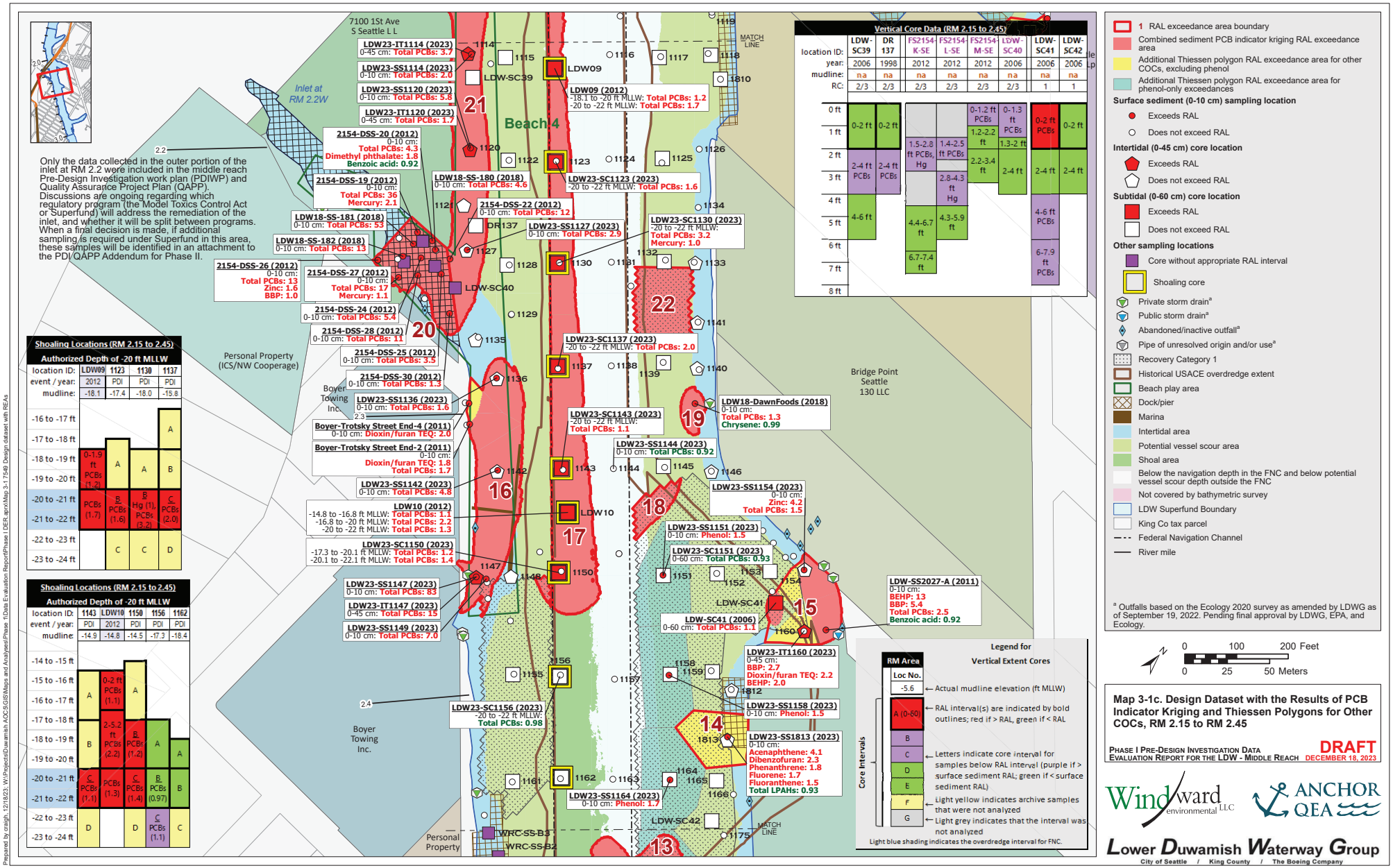
a) Remedial Action Levels for Alternative 5C, provided by Ecology as presented in the Draft Final Feasibility Study for the Lower Duwamish Waterway (LDWG 2010).

b) Natural Background Values based on Ocean Survey Vessel (OSV) Bold Data (LDWG 2010).

c) The cPAH TEQ concentration was calculated using data reported from EPA Method 8270 SIM because this method has significantly lower reporting limits than EPA Method 8270. The cPAH was calculated as the sum of each individual PAH concentration multiplied by the corresponding toxicity factor (TEF). When the individual PAH compound concentration was reported as not detected, the TEF was multiplied by half the reporting limit.

d) Total PCBs were calculated by summing the detected values for the individual components. For individual samples in which none of the individual components were detected, the total value was given a value equal to the highest reporting limit of an individual component, and assigned a U-qualifier.

e) The TEQ was calculated as the sum of each dioxin/furan congener concentration multiplied by the corresponding TEF value. When the dioxin/furan congener concentration was reported as not detected, the TEF was multiplied by half the reporting limit.



Map 3-1c. Design Dataset with the Results of PCB Indicator Kriging and Thiessen Polygons for Other COCs, RM 2.15 to RM 2.45

PHASE I PRE-DESIGN INVESTIGATION DATA EVALUATION REPORT FOR THE LDW - MIDDLE REACH — DRAFT — DECEMBER 18, 2023

Windward environmental LLC | ANCHOR QEA

Lower Duwamish Waterway Group
City of Seattle / King County / The Boeing Company

Surface water flow map

Aerial Photography: Google Earth Pro, 5/26/2018

Property: 5.4 acres

Legend

- Catch Basin
- Storm Drain Pipe & Pipe Length (20')
- Culvert
- Ditch
- Sanitary Sewer
- Stormwater Conveyance Direction
- Surface Flow Direction
- Monitoring Point
- Outfall (Note: Outfalls D1 and D3 are pumped the treatment system and only discharge during extreme precipitation events)
- Approximate Property Boundary
- Loading & Unloading Zone
- Aboveground Storage Tank (AST)
- Spill Kit
- Treatment System

N

0 50 100
Scale in Feet

Notes:
1. All locations are approximate.
2. Pipe lengths provided by Boyer Logistics.

DH Environmental Inc

DOF DALTON OLMSTED FUGLEVAND

Figure 2 - Site Map

Boyer Logistics, Inc 7318 4th Avenue S Seattle, WA 98108	Updated 9/4/2020	FIGURE NO. 2

PLOT TIME: 2/6/2020 10:03 AM MOD TIME: 2/6/2020 10:03 AM USER: Kelley Bagley DWG: P:\DH Environmental\Site\Boyer\DH 2020-02 Boyer Site FIG 1.dwg