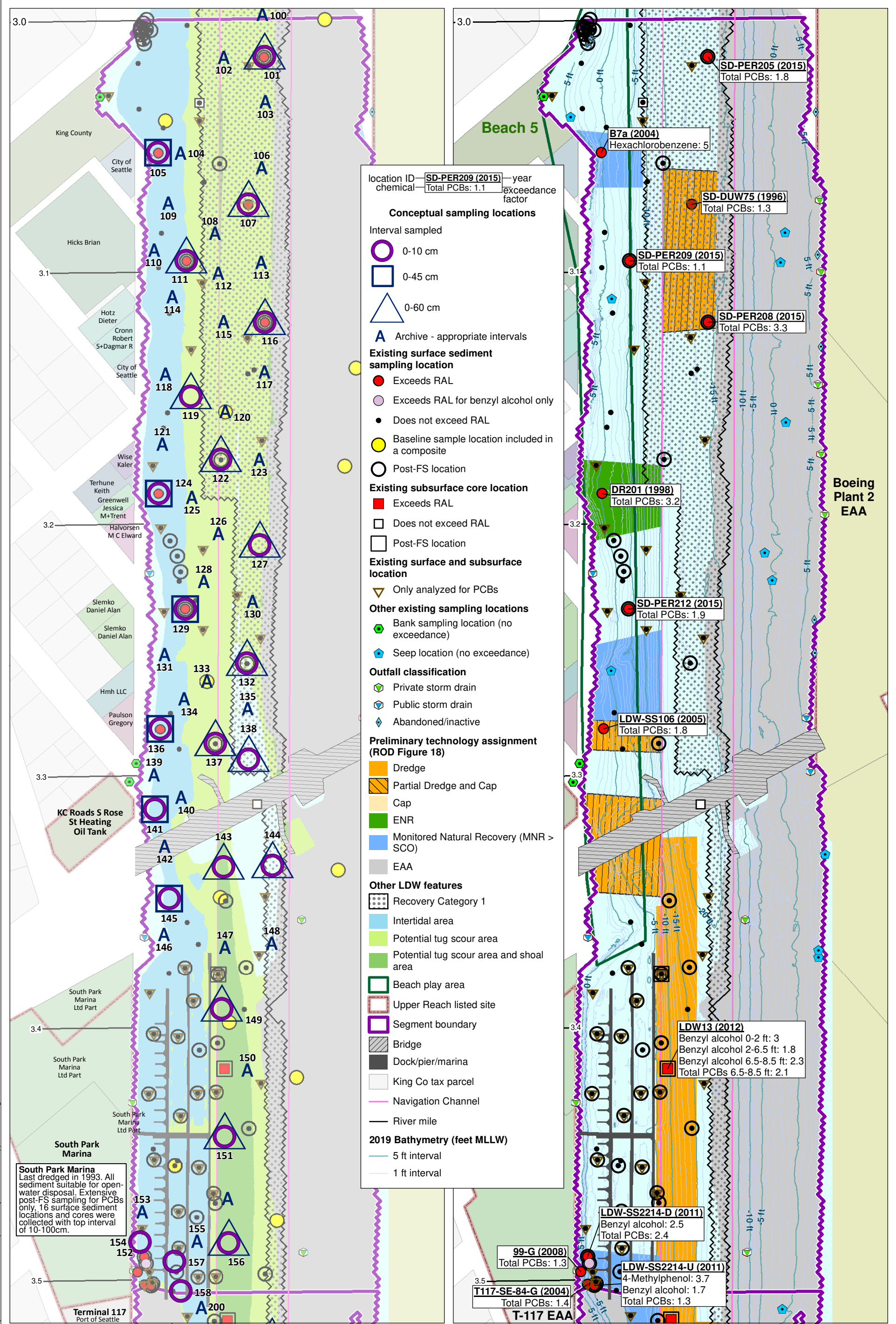


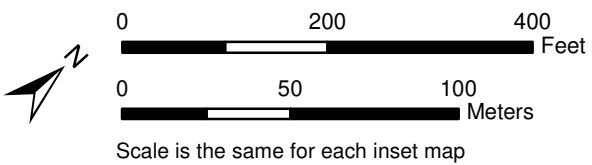
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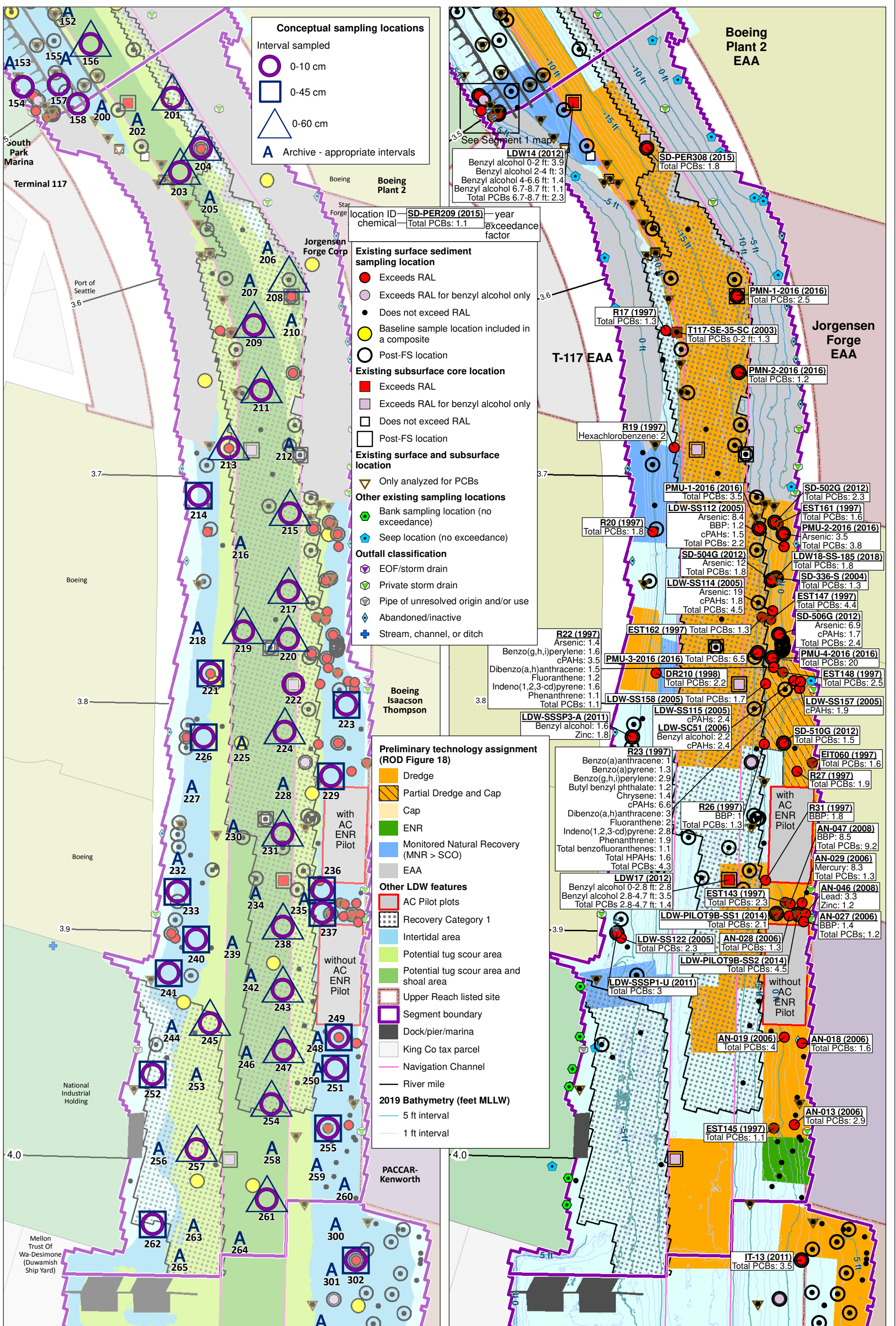


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Segment 1 (RM 3.0 to RM 3.5) Phase 1 locations, sediment RAL exceedances, bathymetry, and ROD Figure 18 remedial action areas
 October 14, 2019 **DRAFT**

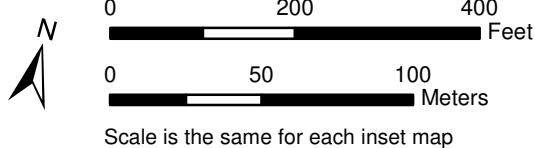
DRAFT QAPP WORK PRODUCT - WORK IN PROGRESS



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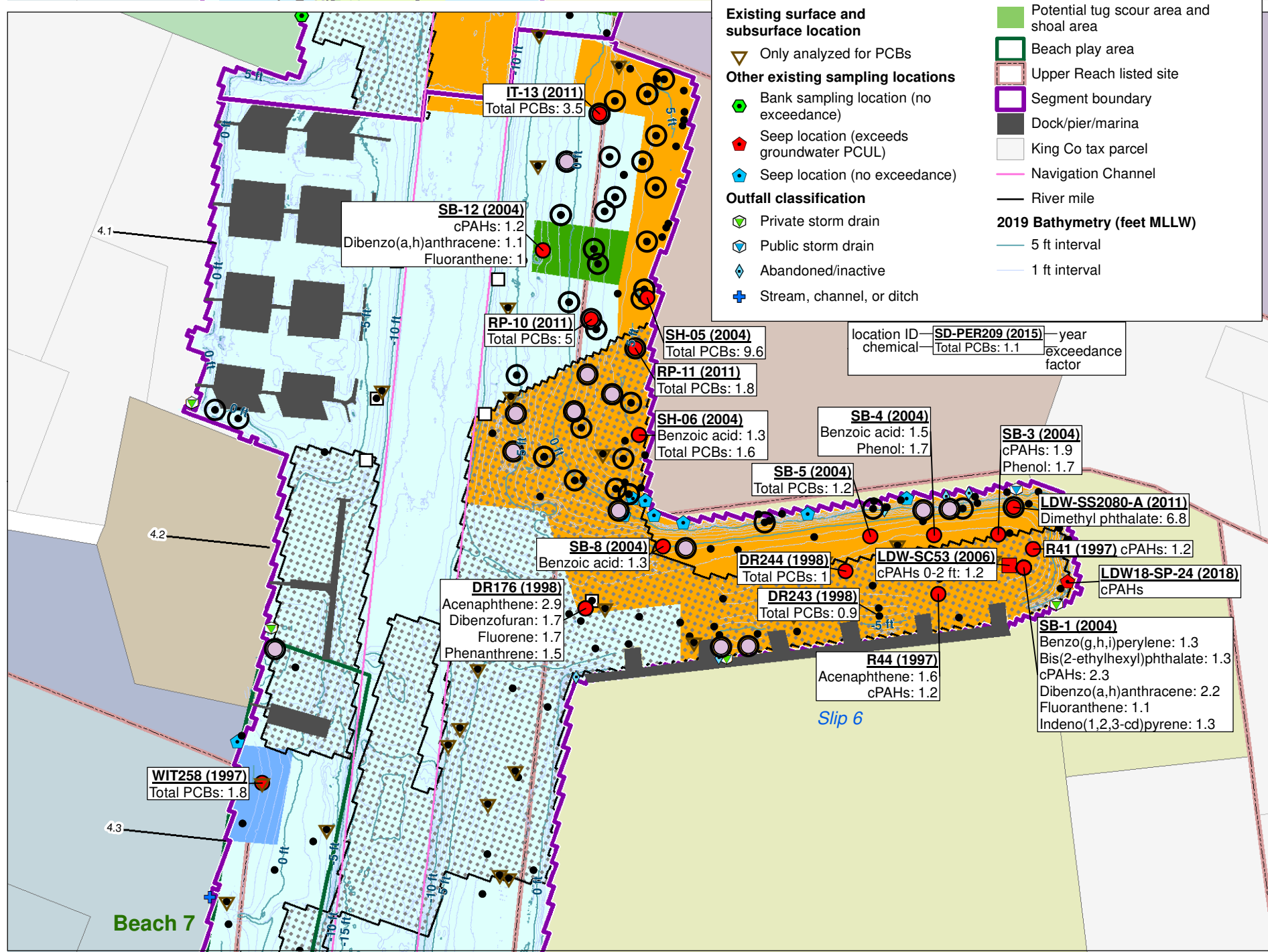
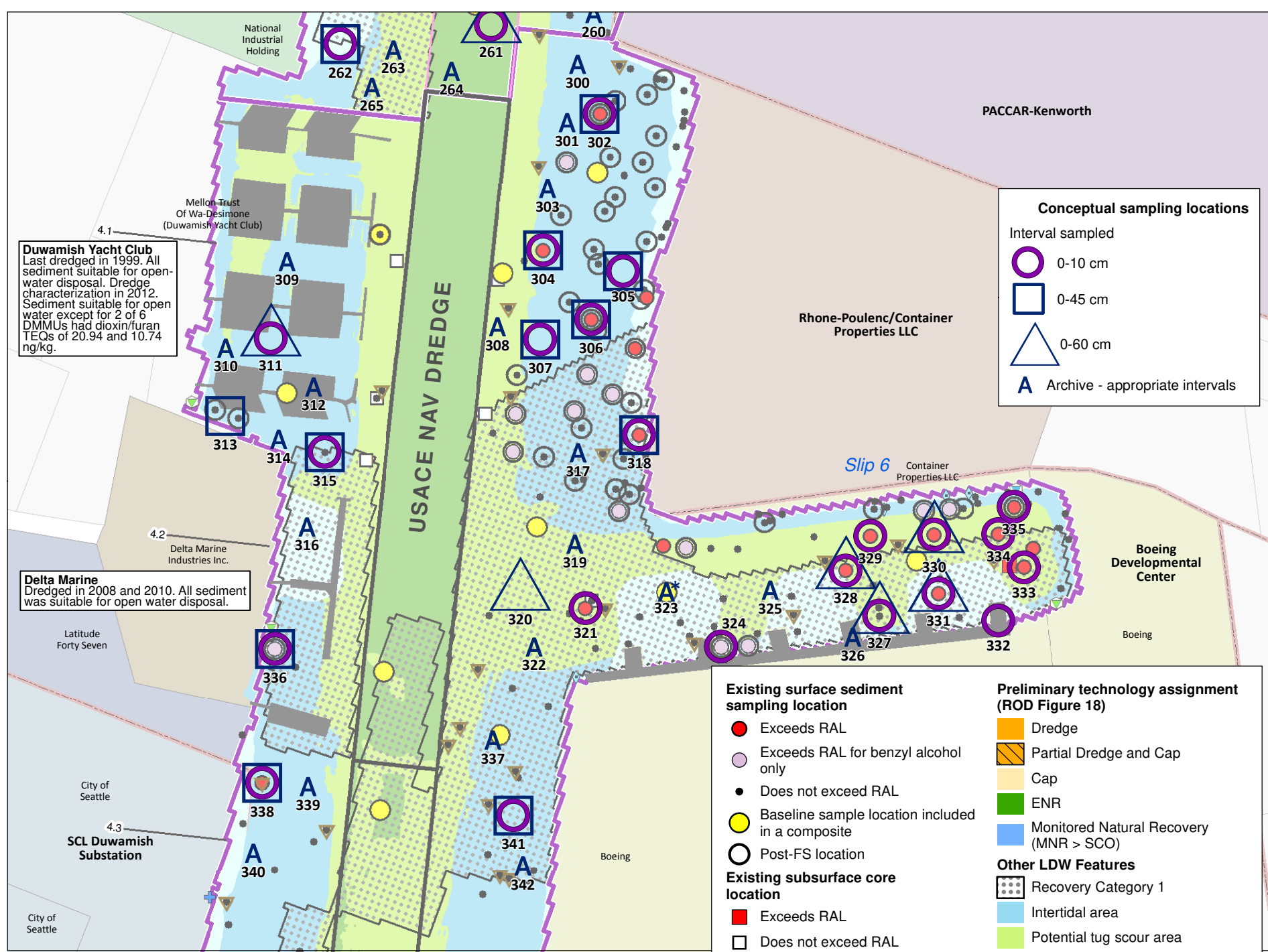


Segment 2 (RM 3.5 to RM 4.05) Phase 1 locations, sediment RAL exceedances, bathymetry, and ROD Figure 18 remedial action areas

October 14, 2019

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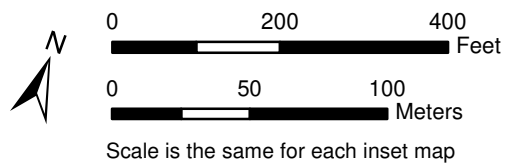
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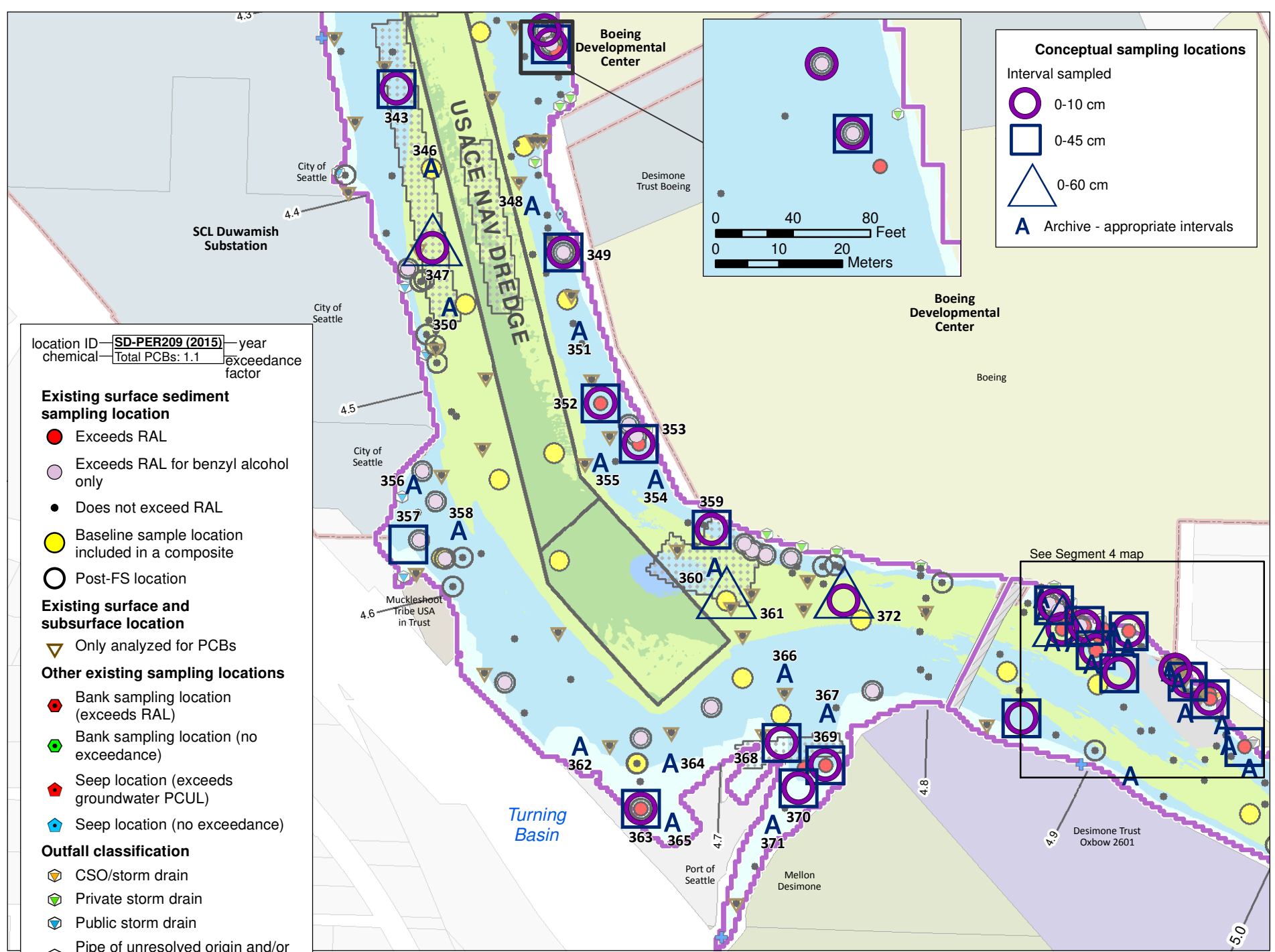


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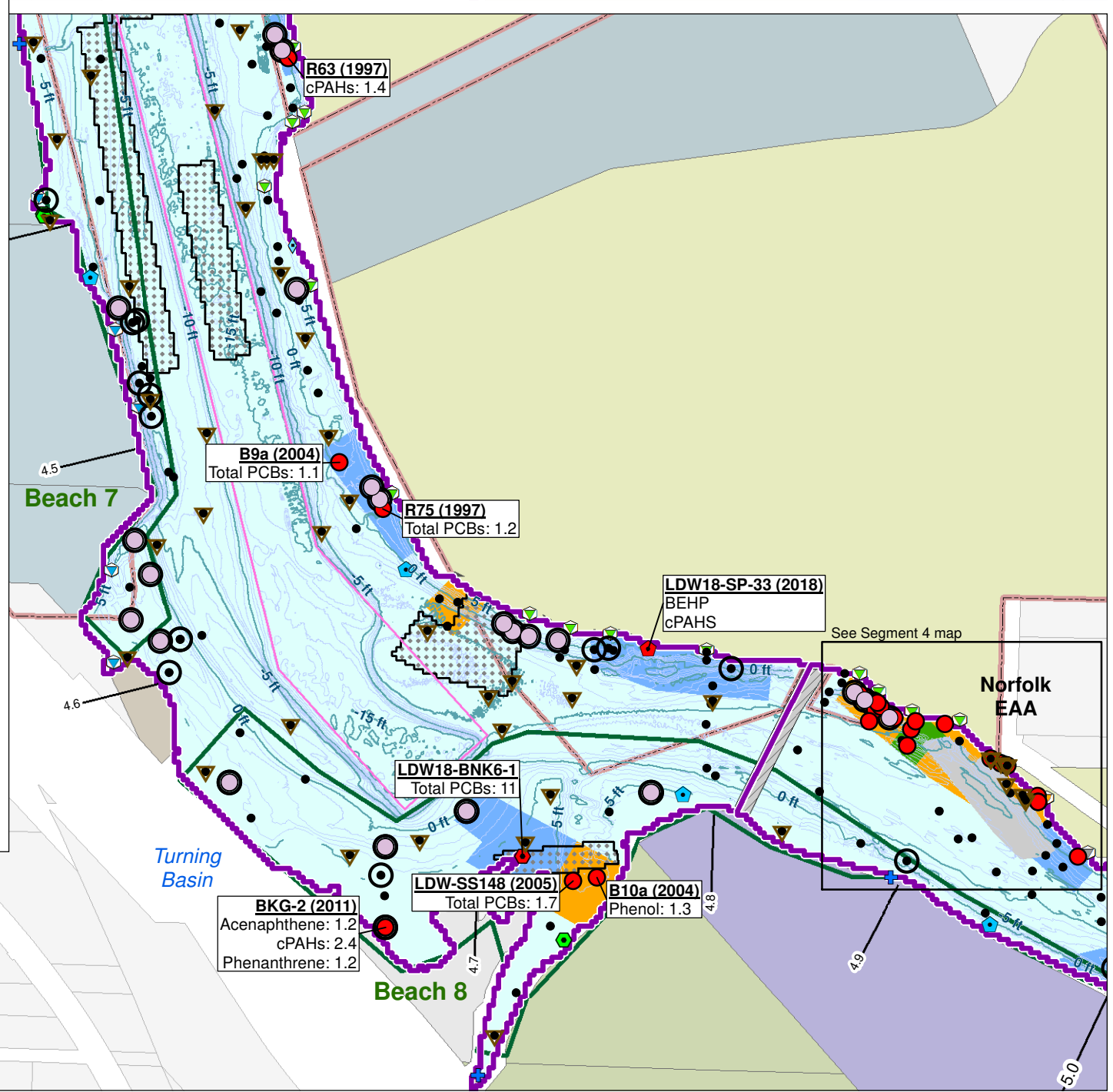


Segment 3a (RM 4.05 to RM 4.35) Phase 1 locations, sediment RAL exceedances, bathymetry, and ROD Figure 18 remedial action areas
October 14, 2019 **DRAFT**

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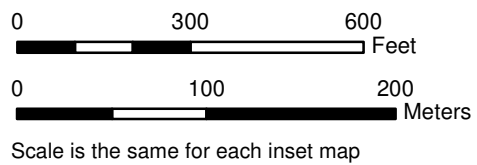
- location ID—**SD-PER209 (2015)**—year
 chemical—**Total PCBs: 1.1**—exceedance factor
- Existing surface sediment sampling location**
- Exceeds RAL
 - Exceeds RAL for benzyl alcohol only
 - Does not exceed RAL
 - Baseline sample location included in a composite
 - Post-FS location
- Existing surface and subsurface location**
- ▽ Only analyzed for PCBs
- Other existing sampling locations**
- Bank sampling location (exceeds RAL)
 - Bank sampling location (no exceedance)
 - Seep location (exceeds groundwater PCUL)
 - Seep location (no exceedance)
- Outfall classification**
- CSO/storm drain
 - Private storm drain
 - Public storm drain
 - Pipe of unresolved origin and/or use
 - Abandoned/inactive
 - Stream, channel, or ditch
- Preliminary technology assignment (ROD Figure 18)**
- Dredge
 - Partial Dredge and Cap
 - Cap
 - ENR
 - Monitored Natural Recovery (MNR > SCO)
 - EAA
- Other LDW features**
- Recovery Category 1
 - Intertidal area
 - Intertidal area and shoal area
 - Potential tug scour area
 - Potential tug scour area and shoal area
 - Beach play area
 - Upper Reach listed site
 - Segment boundary
 - Bridge
 - Dock/pier/marina
 - King Co tax parcel
 - Navigation Channel
 - River mile
- 2019 Bathymetry (feet MLLW)**
- 5 ft interval
 - 1 ft interval



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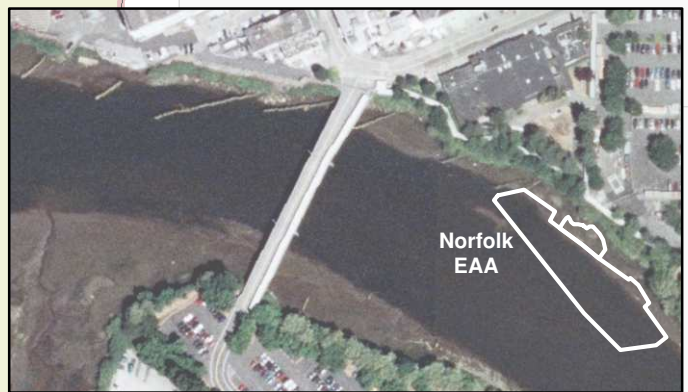
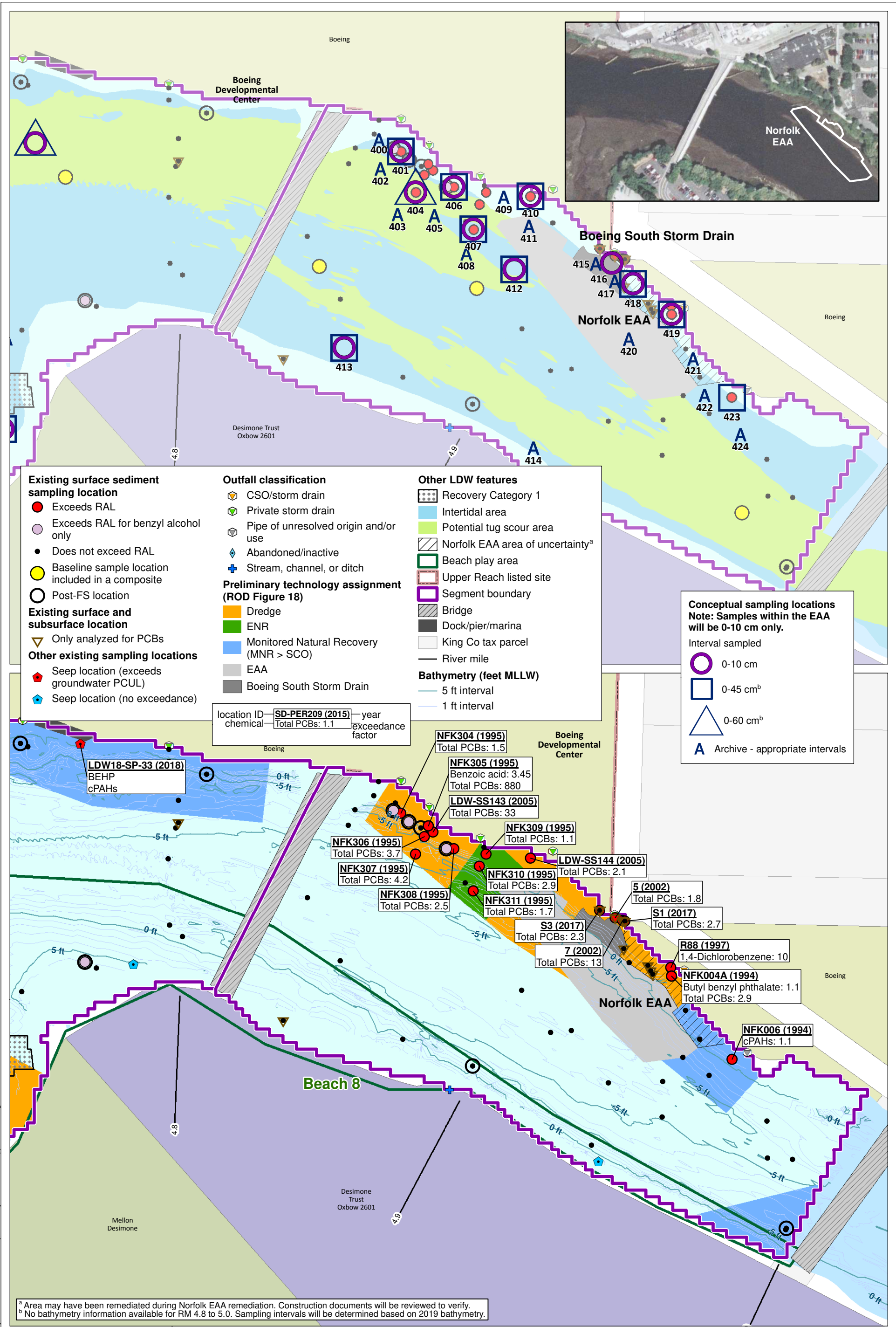


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Segment 3b (RM 4.35 to RM 4.75) Phase 1 Locations, sediment RAL exceedances, bathymetry, and ROD Figure 18 remedial action areas
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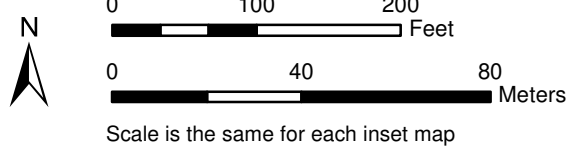
- | | | |
|---|--|--|
| <p>Existing surface sediment sampling location</p> <ul style="list-style-type: none"> ● Exceeds RAL ● Exceeds RAL for benzyl alcohol only ● Does not exceed RAL ● Baseline sample location included in a composite ○ Post-FS location <p>Existing surface and subsurface location</p> <ul style="list-style-type: none"> ▽ Only analyzed for PCBs <p>Other existing sampling locations</p> <ul style="list-style-type: none"> ◆ Seep location (exceeds groundwater PCUL) ◆ Seep location (no exceedance) | <p>Outfall classification</p> <ul style="list-style-type: none"> ▽ CSO/storm drain ▽ Private storm drain ▽ Pipe of unresolved origin and/or use ▽ Abandoned/inactive ▽ Stream, channel, or ditch <p>Preliminary technology assignment (ROD Figure 18)</p> <ul style="list-style-type: none"> ■ Dredge ■ ENR ■ Monitored Natural Recovery (MNR > SCO) ■ EAA ■ Boeing South Storm Drain | <p>Other LDW features</p> <ul style="list-style-type: none"> ■ Recovery Category 1 ■ Intertidal area ■ Potential tug scour area ■ Norfolk EAA area of uncertainty^a ■ Beach play area ■ Upper Reach listed site ■ Segment boundary ■ Bridge ■ Dock/pier/marina ■ King Co tax parcel — River mile <p>Bathymetry (feet MLLW)</p> <ul style="list-style-type: none"> — 5 ft interval — 1 ft interval |
|---|--|--|

- Conceptual sampling locations**
 Note: Samples within the EAA will be 0-10 cm only.
- Interval sampled
- 0-10 cm
 - 0-45 cm^b
 - △ 0-60 cm^b
- A Archive - appropriate intervals

location ID—SD-PER209 (2015) — year
 chemical—Total PCBs: 1.1 — exceedance factor

- NFK304 (1995)
Total PCBs: 1.5
- NFK305 (1995)
Benzoic acid: 3.45
Total PCBs: 880
- LDW-SS143 (2005)
Total PCBs: 33
- NFK306 (1995)
Total PCBs: 3.7
- NFK307 (1995)
Total PCBs: 4.2
- NFK308 (1995)
Total PCBs: 2.5
- NFK309 (1995)
Total PCBs: 1.1
- NFK310 (1995)
Total PCBs: 2.9
- NFK311 (1995)
Total PCBs: 1.7
- LDW-SS144 (2005)
Total PCBs: 2.1
- 5 (2002)
Total PCBs: 1.8
- S1 (2017)
Total PCBs: 2.7
- R88 (1997)
1,4-Dichlorobenzene: 10
- NFK004A (1994)
Butyl benzyl phthalate: 1.1
Total PCBs: 2.9
- NFK006 (1994)
cPAHs: 1.1
- S3 (2017)
Total PCBs: 2.3
- 7 (2002)
Total PCBs: 13

^a Area may have been remediated during Norfolk EAA remediation. Construction documents will be reviewed to verify.
^b No bathymetry information available for RM 4.8 to 5.0. Sampling intervals will be determined based on 2019 bathymetry.



Segment 4 (RM 4.75 to RM 5.0) Phase 1 locations, sediment RAL exceedances, bathymetry, and ROD Figure 18 remedial action areas

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