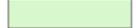
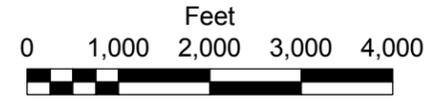


**Draft AOPCs for Portland Harbor Site**  
 June 2009  
 River Mile 1.9 to 11.8

**LEGEND**

-  EPA AOPCs 051409
-  "Common" Probable Benthic Risk Areas



**DRAFT**



**AOPC DEVELOPMENT NOTES**

AOPCs are based on the mapping of surface sediment chemistry against the following lines of evidence:

1. Recreational small mouth bass fish consumption preliminary remediation goal (PRG) for total PCBs at a 10-4 cancer risk level using the by-river mile hill topping approach. The PRG equates to 29.54 ug/kg dry weight total PCBs achieved on a Surface-weighted Average Concentration (SWAC) basis by river mile. Use a replacement value equal to the PRG in the hill topping routine.

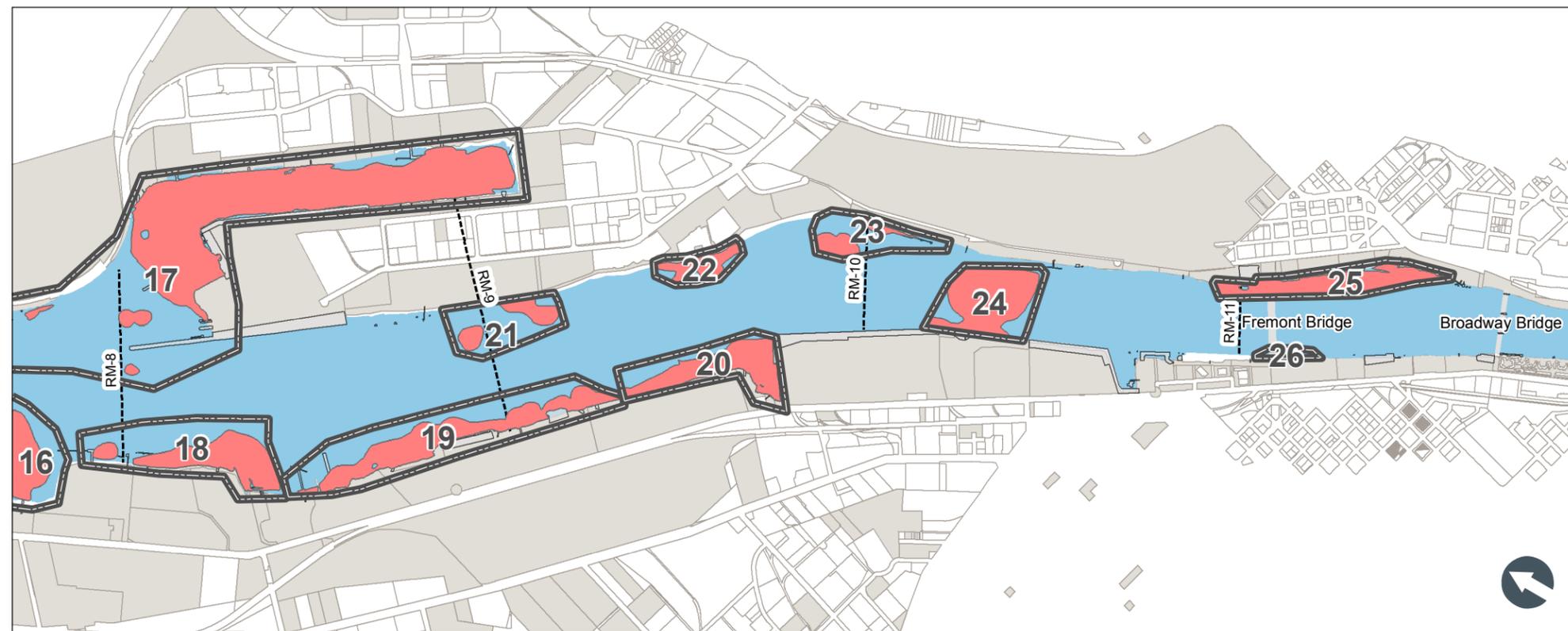
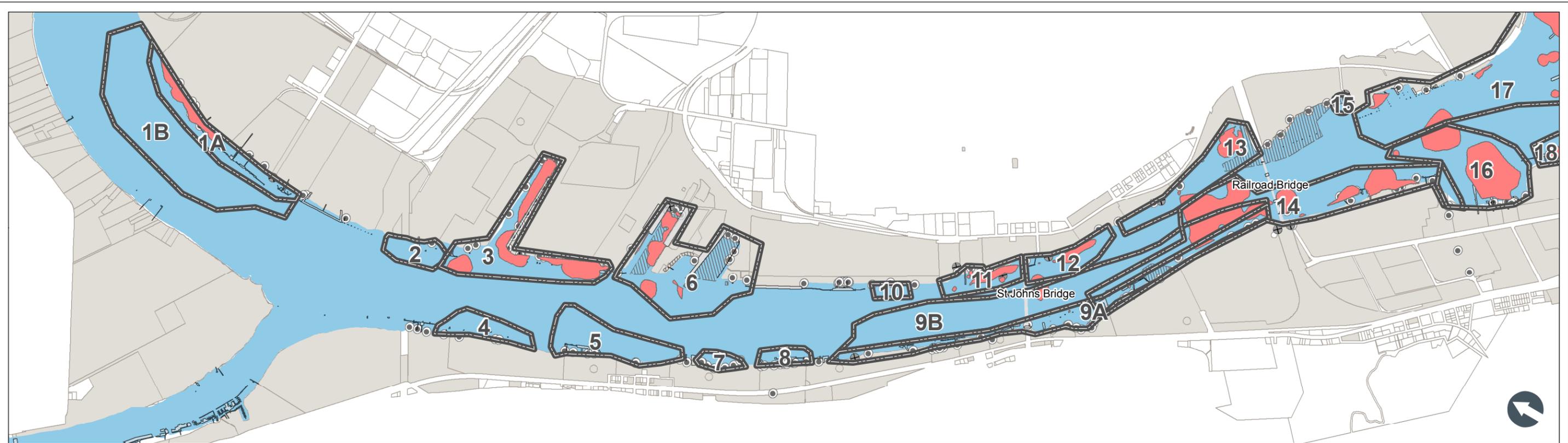
2. Site-wide hilltopping approach that results in a site-wide target SWAC of 17 ug/kg total PCBs, which represents one estimate of background. Use 17 ug/kg as the replacement value in the hill topping routine.

3. Tribal fisher direct contact PRG for benzo(a)pyrene at a 10-6 cancer risk; hill topping by direct contact sub areas. This PRG equates to a benzo(a)pyrene concentration of 423.25 ug/kg dry weight. Use a replacement value equal to the PRG in the hill topping routine.

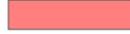
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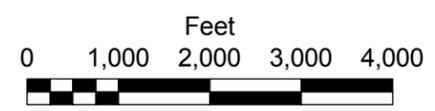
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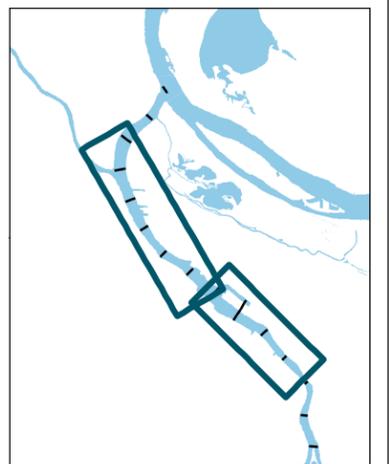


**Draft AOPCs for Portland Harbor Site**  
 June 2009  
 River Mile 1.9 to 11.8

**LEGEND**  
 EPA AOPCs 051409  
 SMB Fish Consumption PRG



**DRAFT**

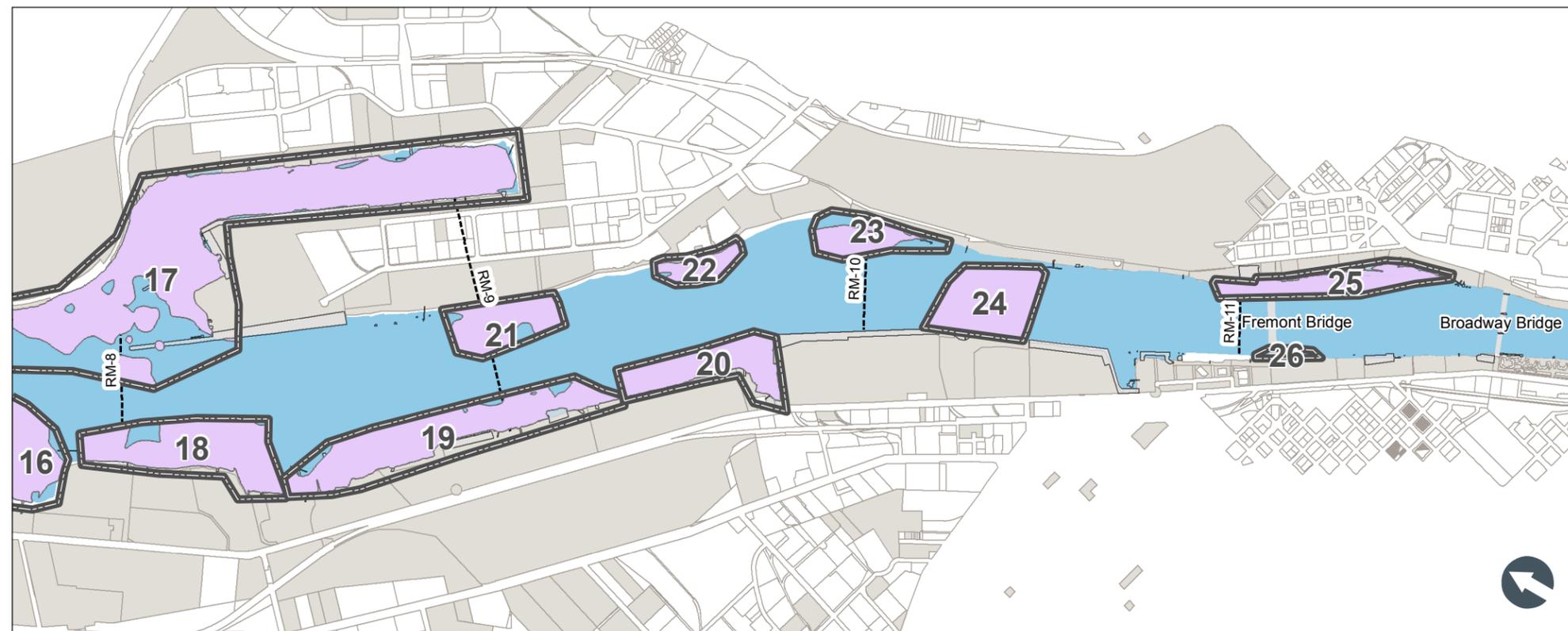
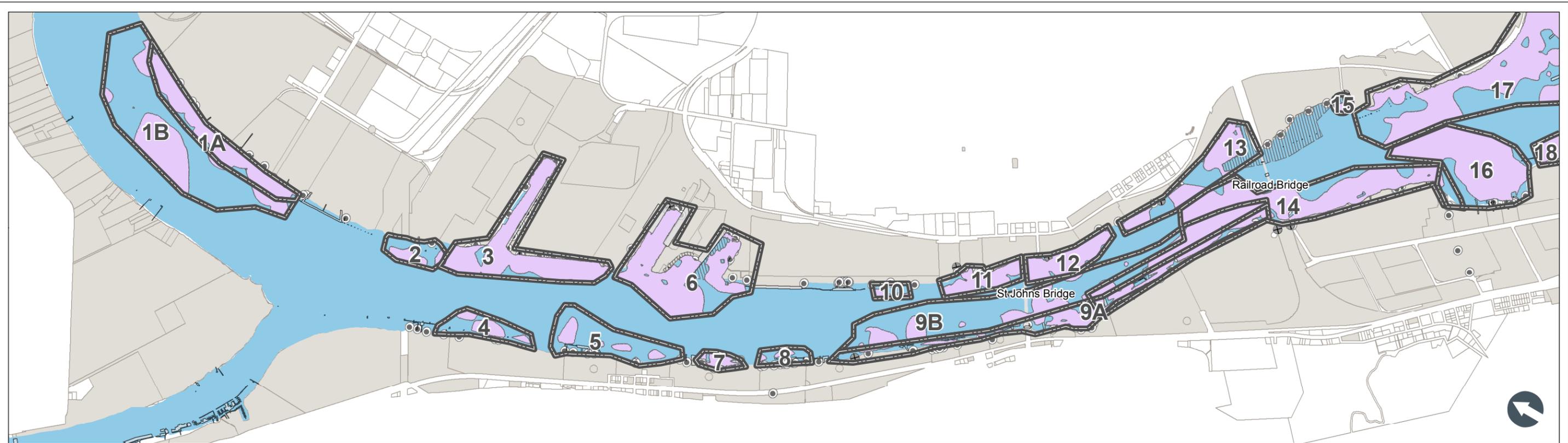


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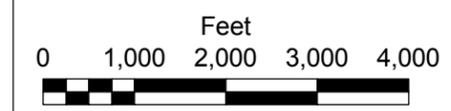
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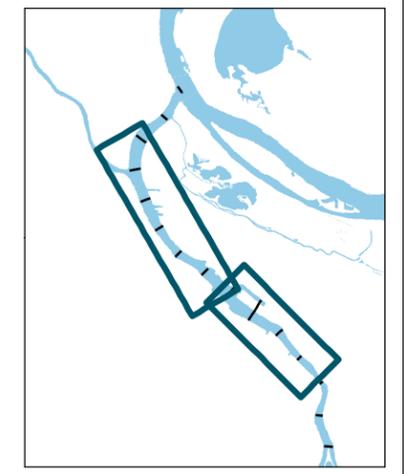


**Draft AOPCs for Portland Harbor Site**  
 June 2009  
 River Mile 1.9 to 11.8

**LEGEND**  
 EPA AOPCs 051409  
 Total PCBs Background



**DRAFT**

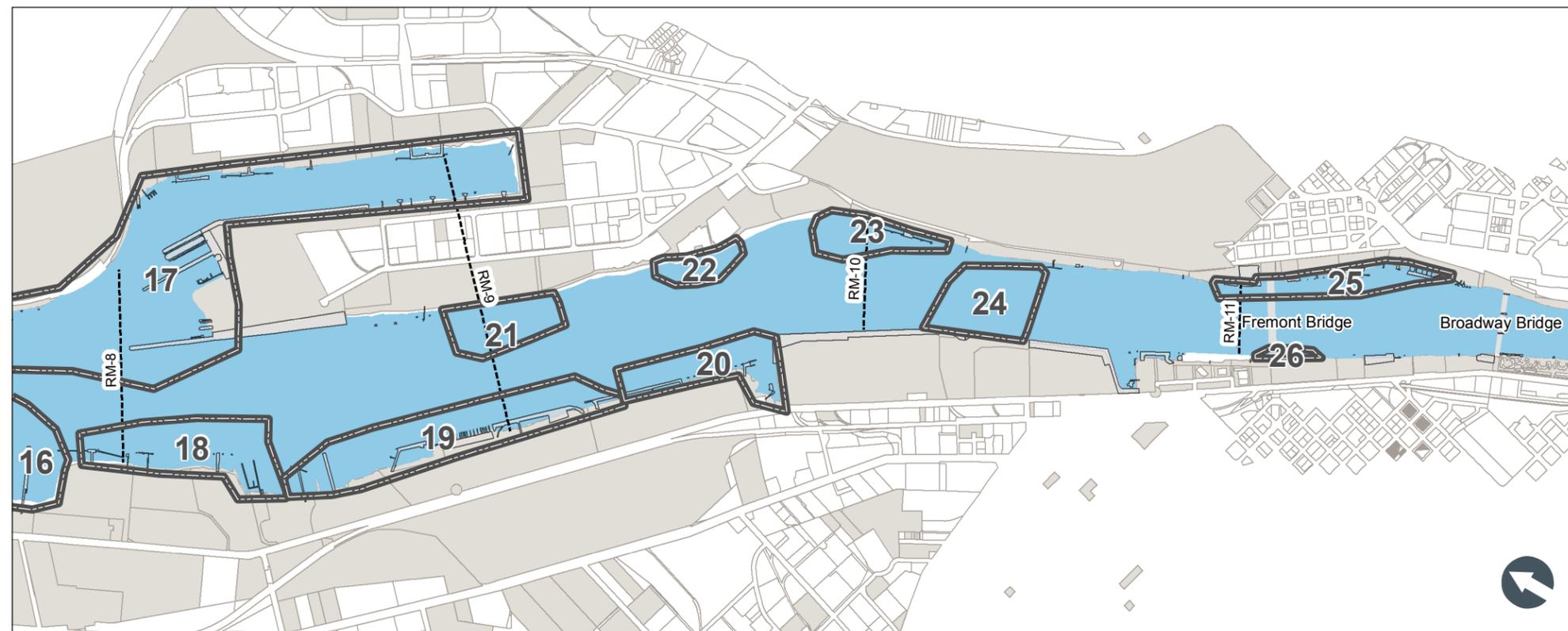
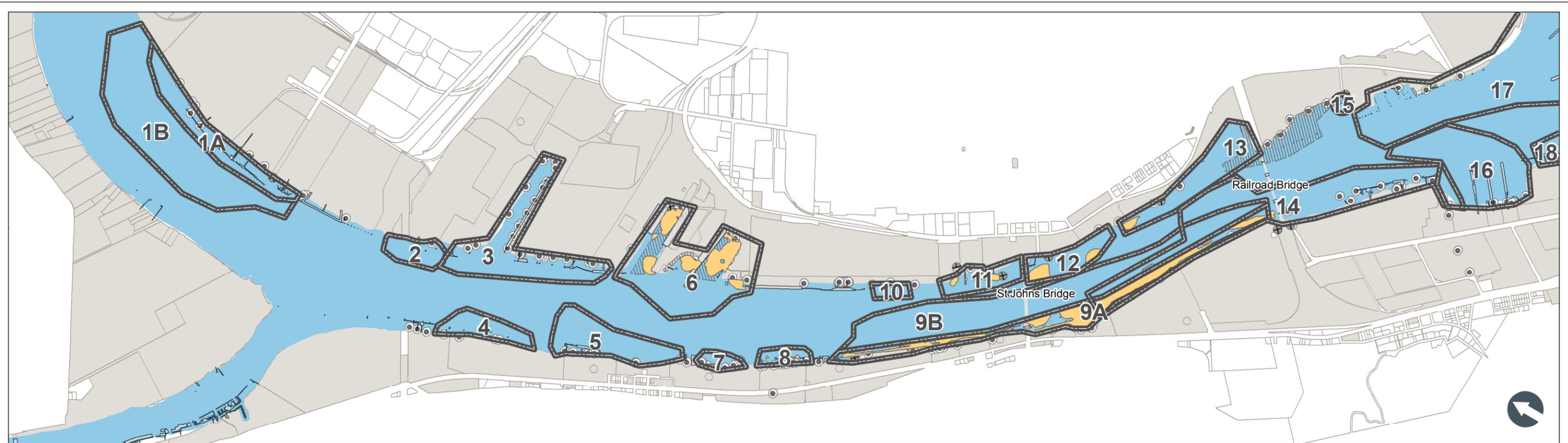


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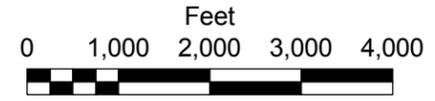
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**Draft AOPCs for Portland Harbor Site**  
 June 2009  
 River Mile 1.9 to 11.8

**LEGEND**

-  EPA AOPCs 051409
-  Tribal Fisher Direct Contact BaP PRG



**DRAFT**



**AOPC DEVELOPMENT NOTES**

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