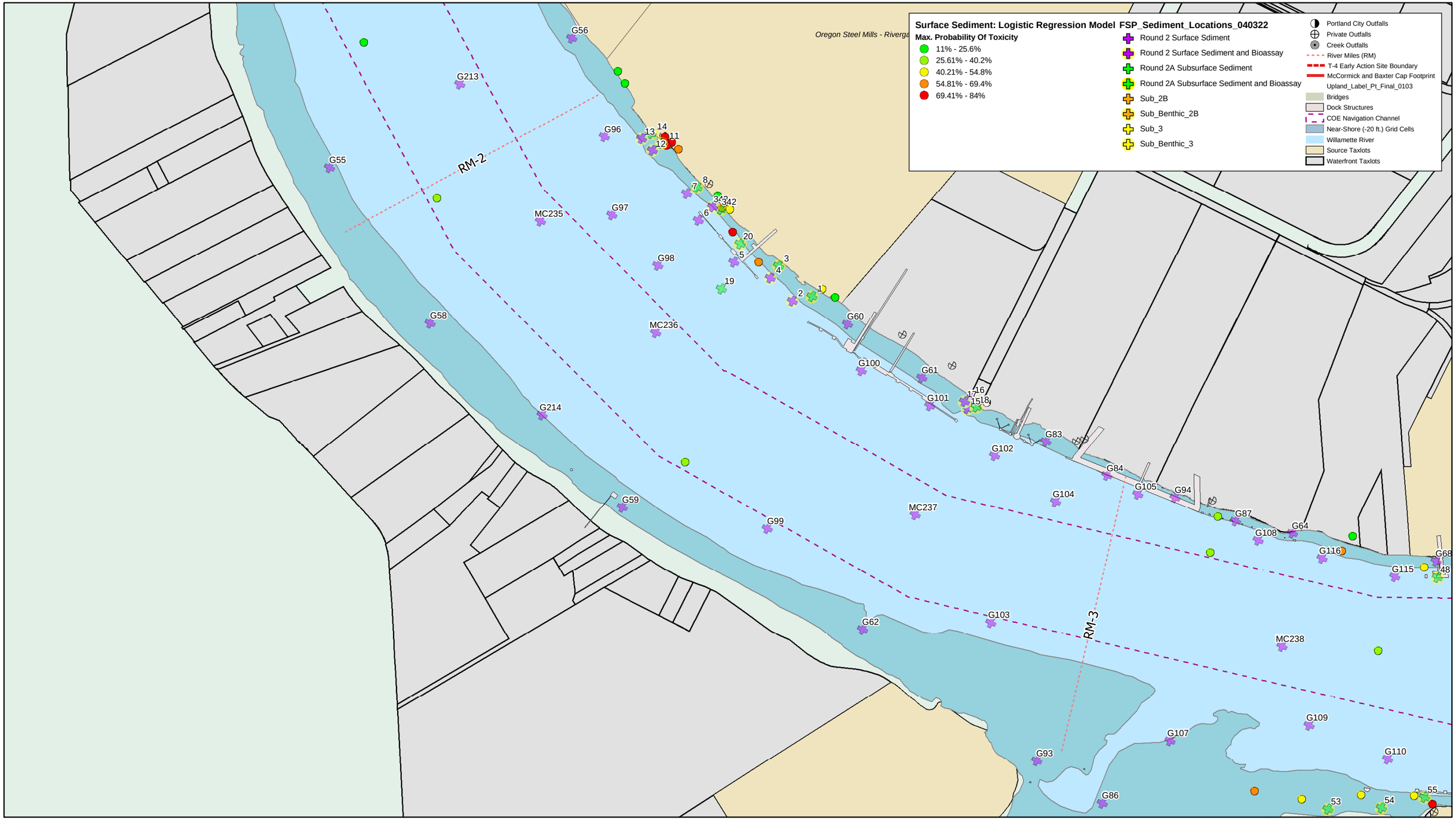
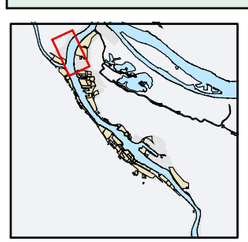




Coordinate System & Datum:
Oregon State Plane North, NAD83 Intl. Feet

Contaminant Data from NOAA Query Manager (09.24.03) Category 1
Source: Striplin E.A. (Integral)

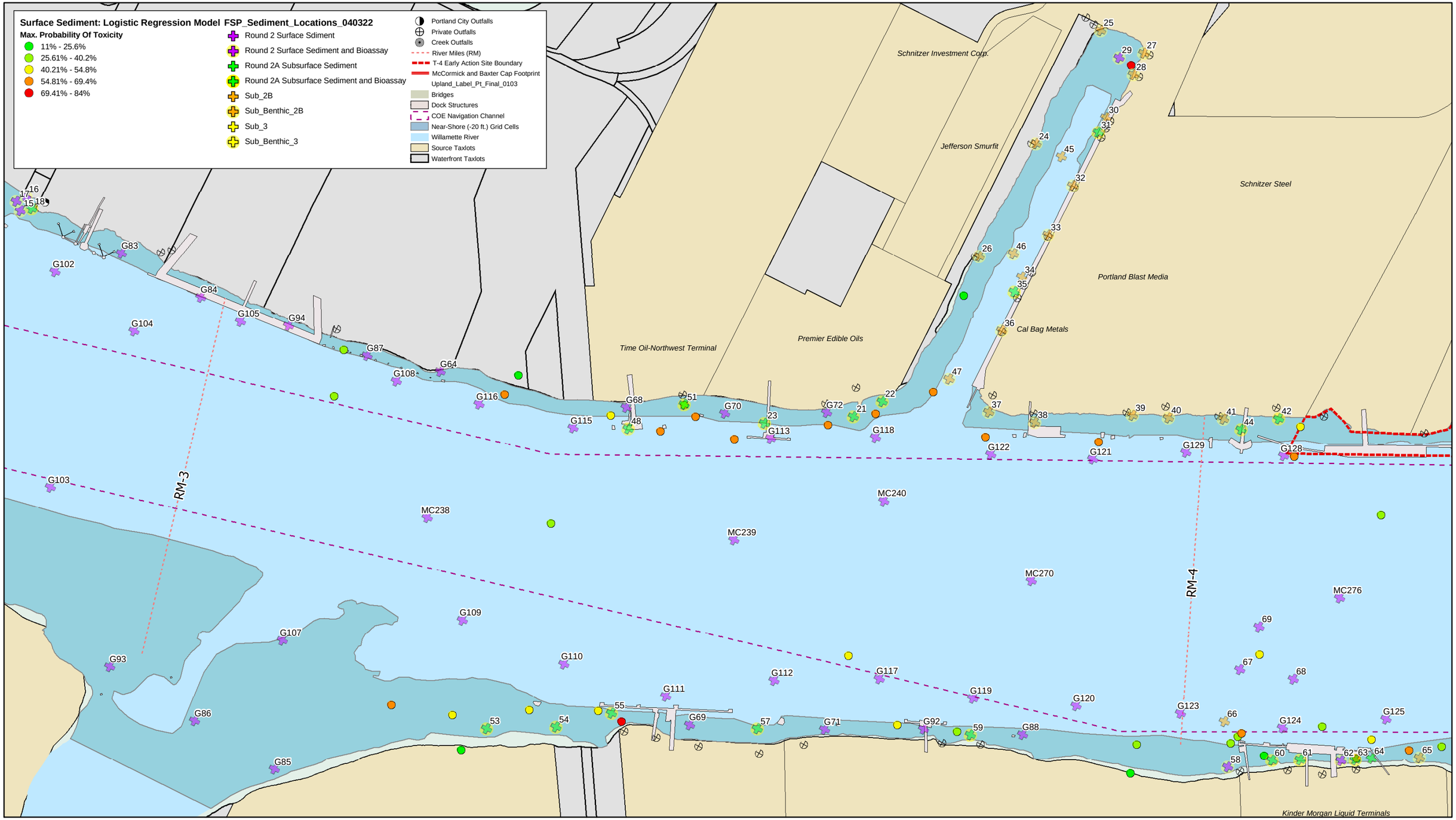
Logistic Regression Model: Field et al 2002, "Predicting Amphipod Toxicity From Sediment Chemistry Using Logistic Regression Models"

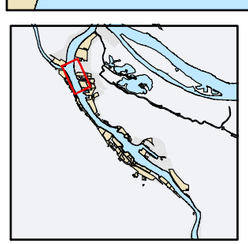
Bathymetry: DEA 2003, from Striplin

Map: c:\gis\projects\portlandharbor\ph_base_042104.mxd
Plot Date: 04.21.2004 B.S. NOAA CPRD

0 500 1,000 2,000 Feet

Figure 1.
Portland Harbor RI/FS
Planned (FSP) Bioassay Locations
& Logistic Regression Modeling





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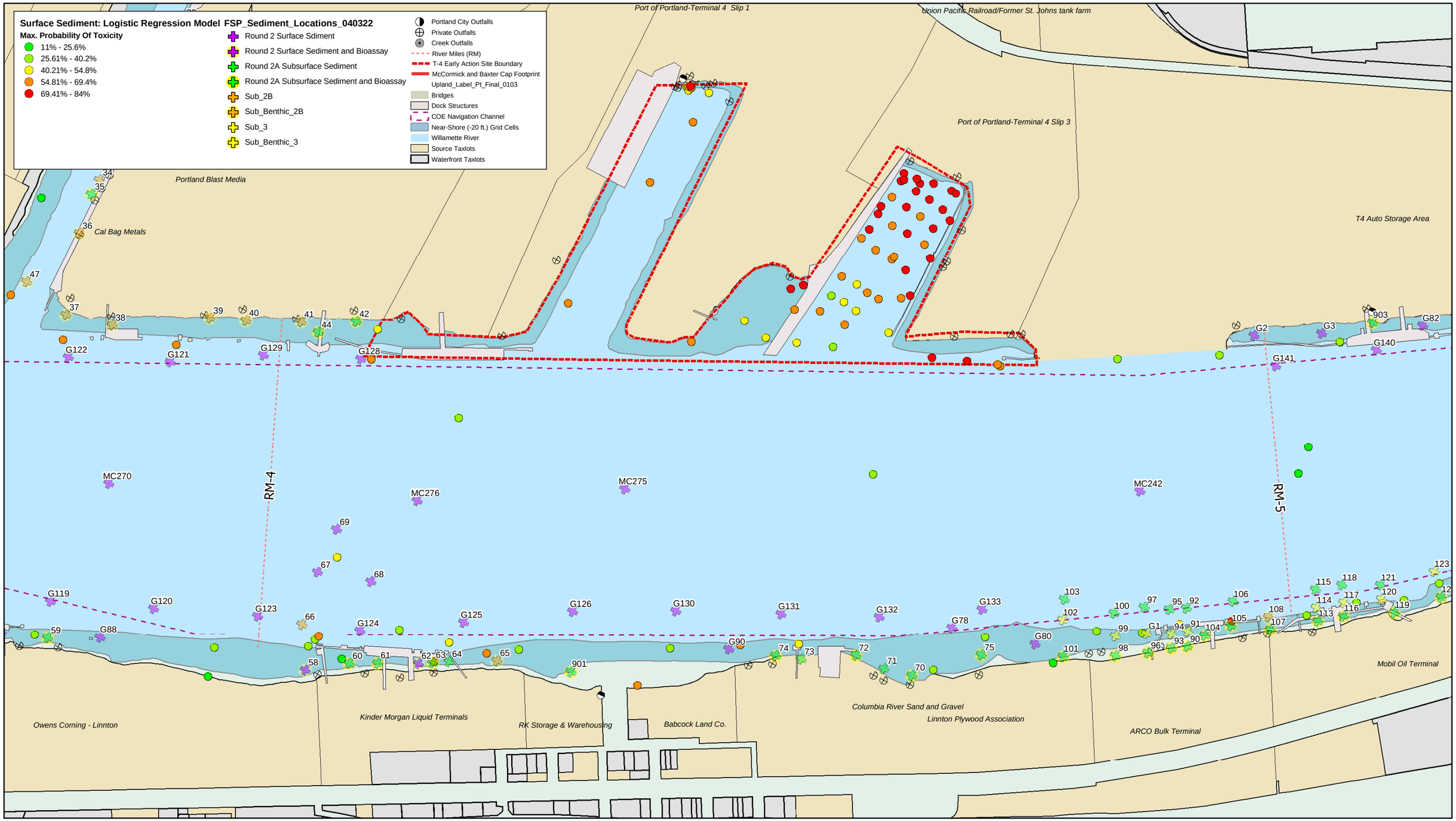
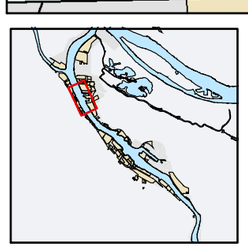
0 500 1,000 Feet

Figure 2.
Portland Harbor RI/FS
Planned (FSP) Bioassay Locations
& Logistic Regression Modeling





Coordinate System & Datum:
Oregon State Plane North, NAD83 Intl. Feet

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Source: Striplin E.A. (Integral)

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Bathymetry: DEA 2003, from Striplin

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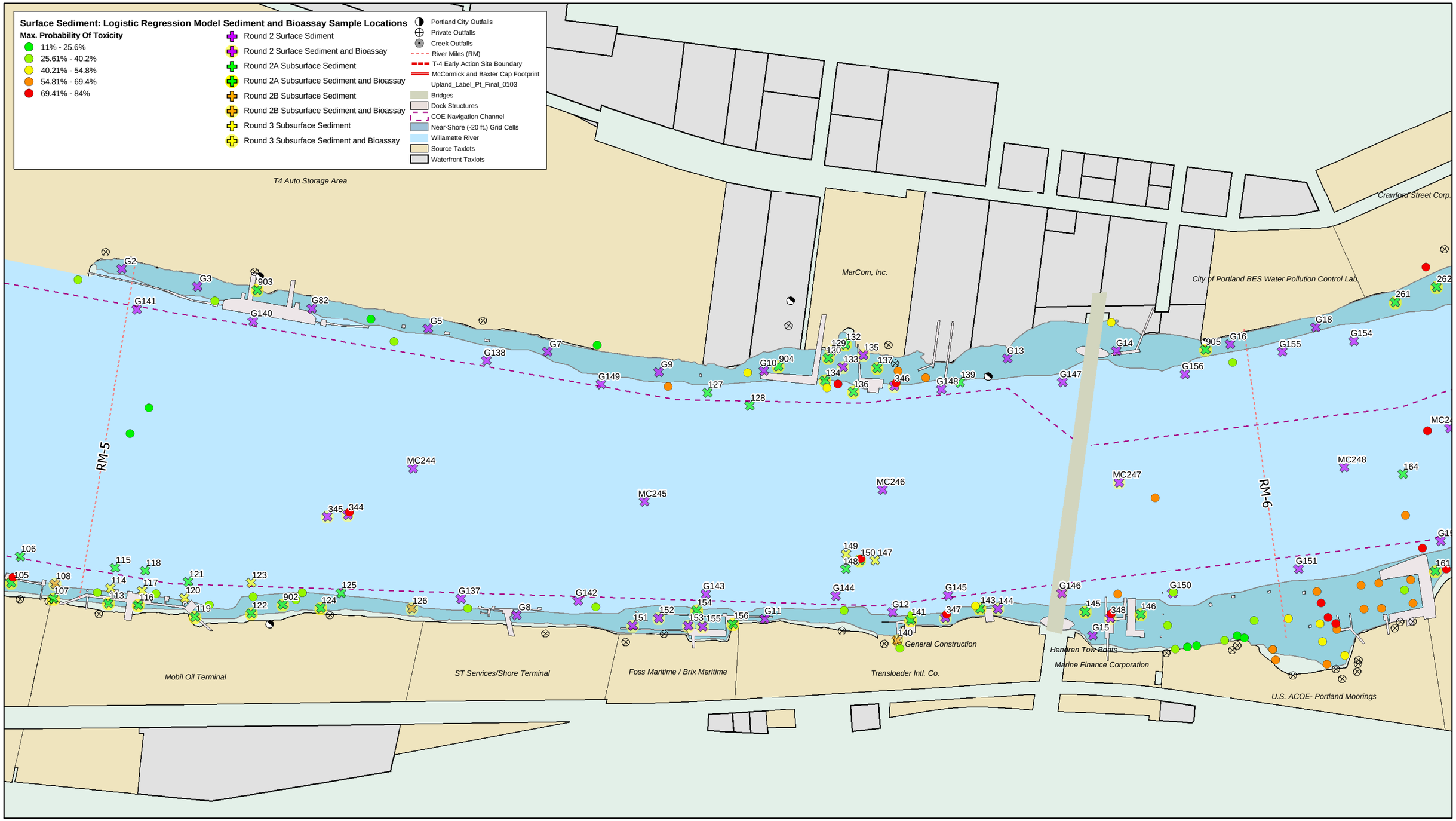
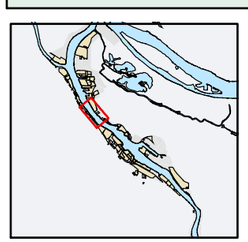
Plot Date: 04.21.2004 B.S. NOAA CPRD

0 500 1,000 Feet

Figure 3.
Portland Harbor RI/FS
Planned (FSP) Bioassay Locations
& Logistic Regression Modeling





Coordinate System & Datum:
Oregon State Plane North, NAD83 Intl. Feet

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0 500 1,000 Feet

Portland Harbor RI/FS
Planned (FSP) Bioassay Locations & Logistic Regression Modeling

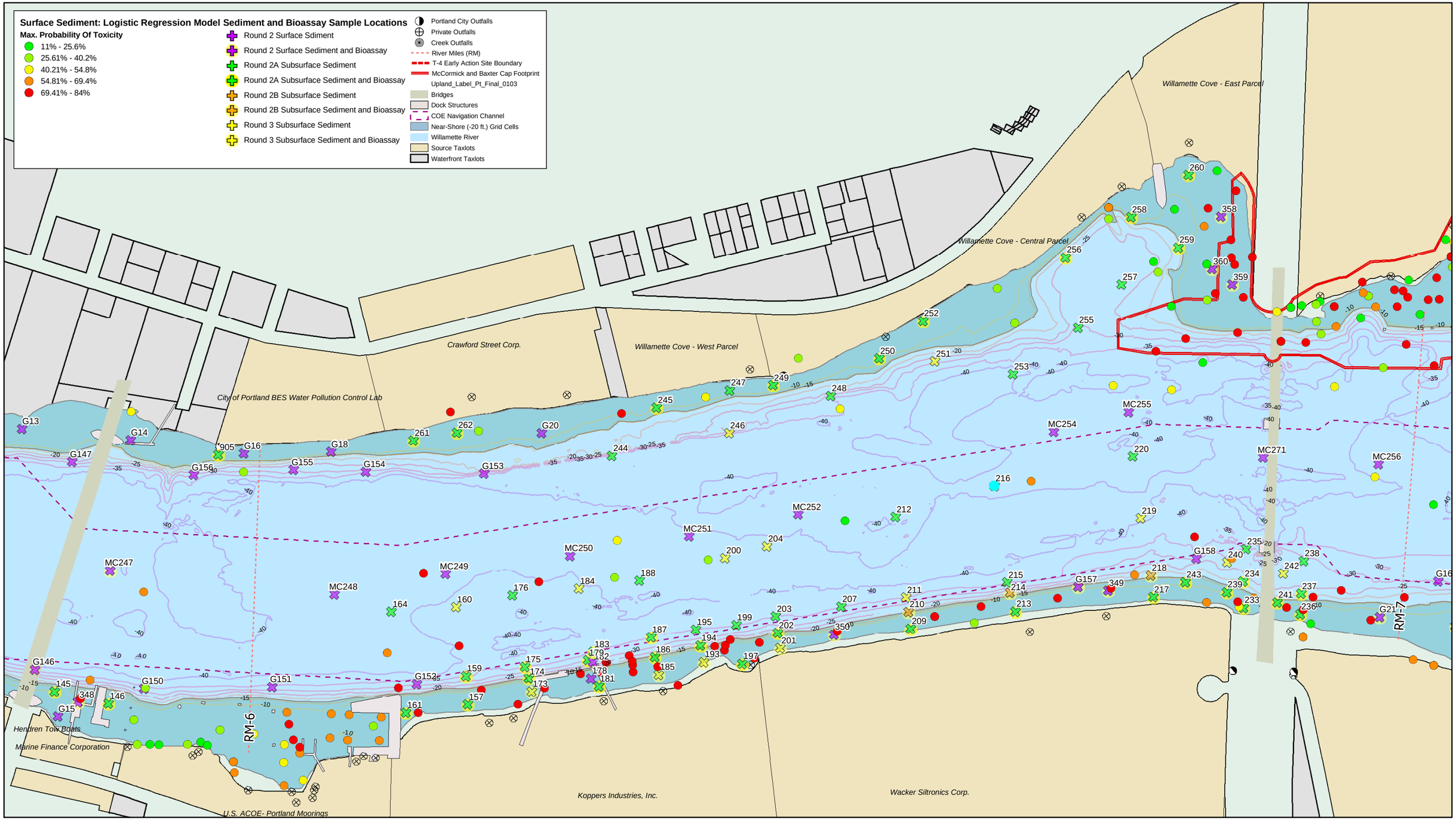
Surface Sediment: Logistic Regression Model Sediment and Bioassay Sample Locations

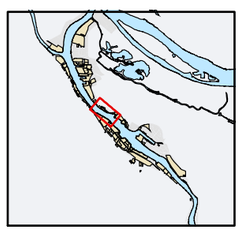
Max. Probability Of Toxicity

- 11% - 25.6%
- 25.61% - 40.2%
- 40.21% - 54.8%
- 54.81% - 69.4%
- 69.41% - 84%

- Round 2 Surface Sdiment
- Round 2 Surface Sediment and Bioassay
- Round 2A Subsurface Sediment
- Round 2A Subsurface Sediment and Bioassay
- Round 2B Subsurface Sediment
- Round 2B Subsurface Sediment and Bioassay
- Round 3 Subsurface Sediment
- Round 3 Subsurface Sediment and Bioassay

- Portland City Outfalls
- Private Outfalls
- Creek Outfalls
- River Miles (RM)
- T-4 Early Action Site Boundary
- McCormick and Baxter Cap Footprint
- Upland_Label_Pt_Final_0103
- Bridges
- Dock Structures
- COE Navigation Channel
- Near-Shore (-20 ft.) Grid Cells
- Willamette River
- Source Taxlots
- Waterfront Taxlots





Coordinate System & Datum:
Oregon State Plane North, NAD83 Intl. Feet

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0 500 1,000 Feet

Portland Harbor RI/FS
Planned (FSP) Bioassay Locations & Logistic Regression Modeling

Surface Sediment: Logistic Regression Model Sediment and Bioassay Sample Locations

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- Round 2 Surface Sdiment
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- Round 2A Subsurface Sediment and Bioassay
- Round 2B Subsurface Sediment
- Round 2B Subsurface Sediment and Bioassay
- Round 3 Subsurface Sediment
- Round 3 Subsurface Sediment and Bioassay

- Portland City Outfalls
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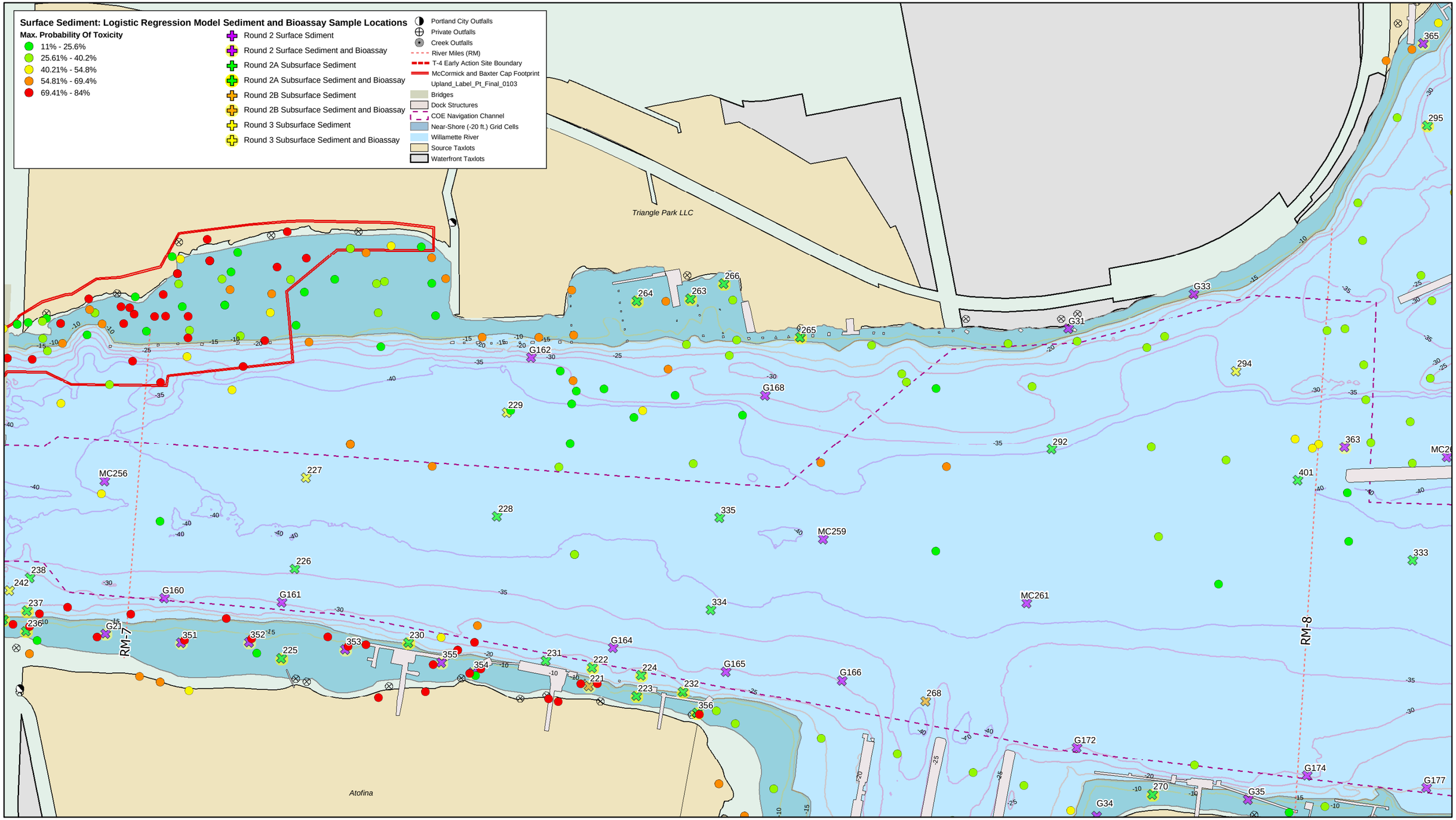

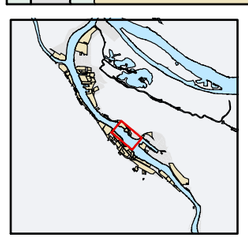

Coordinate System & Datum:
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Map: c:\gis\projects\portlandharbor\ph_base_042104.mxd
Plot Date: 04.21.2004 B.S. NOAA CPRD

0 500 1,000 Feet

Portland Harbor RI/FS
Planned (FSP) Bioassay Locations & Logistic Regression Modeling

Surface Sediment: Logistic Regression Model Sediment and Bioassay Sample Locations

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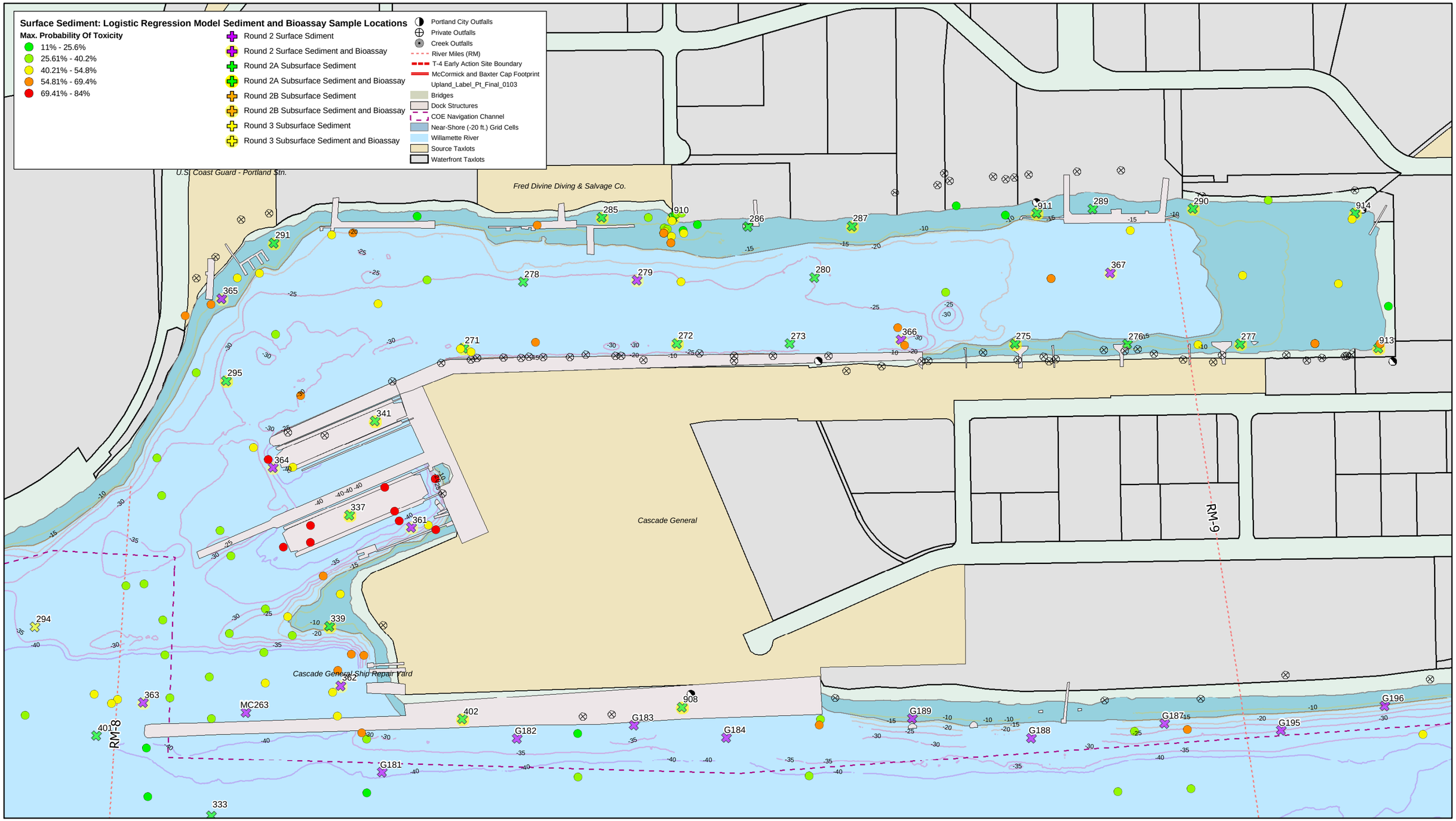

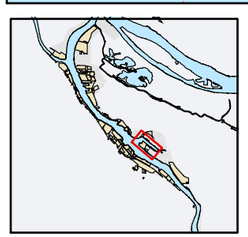

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N

0 500 1,000 Feet

Portland Harbor RI/FS
Planned (FSP) Bioassay Locations & Logistic Regression Modeling

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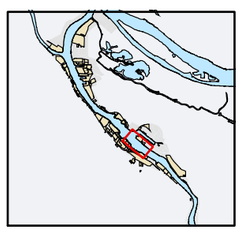
Cascade General
Cascade General Ship Repair Yard
Zidell - Tube Forgings
McCall Oil & Great Western Chemical
Front Ave. LLP/Glacier NW
Texaco Equilon Pipeline
Texaco Portland Bulk Dock
Equilon Enterprises, LLC
Gunderson Inc.
RM-8
RM-9



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Portland Harbor RI/FS
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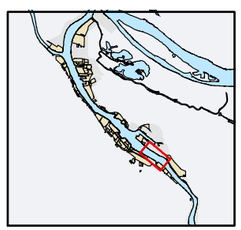

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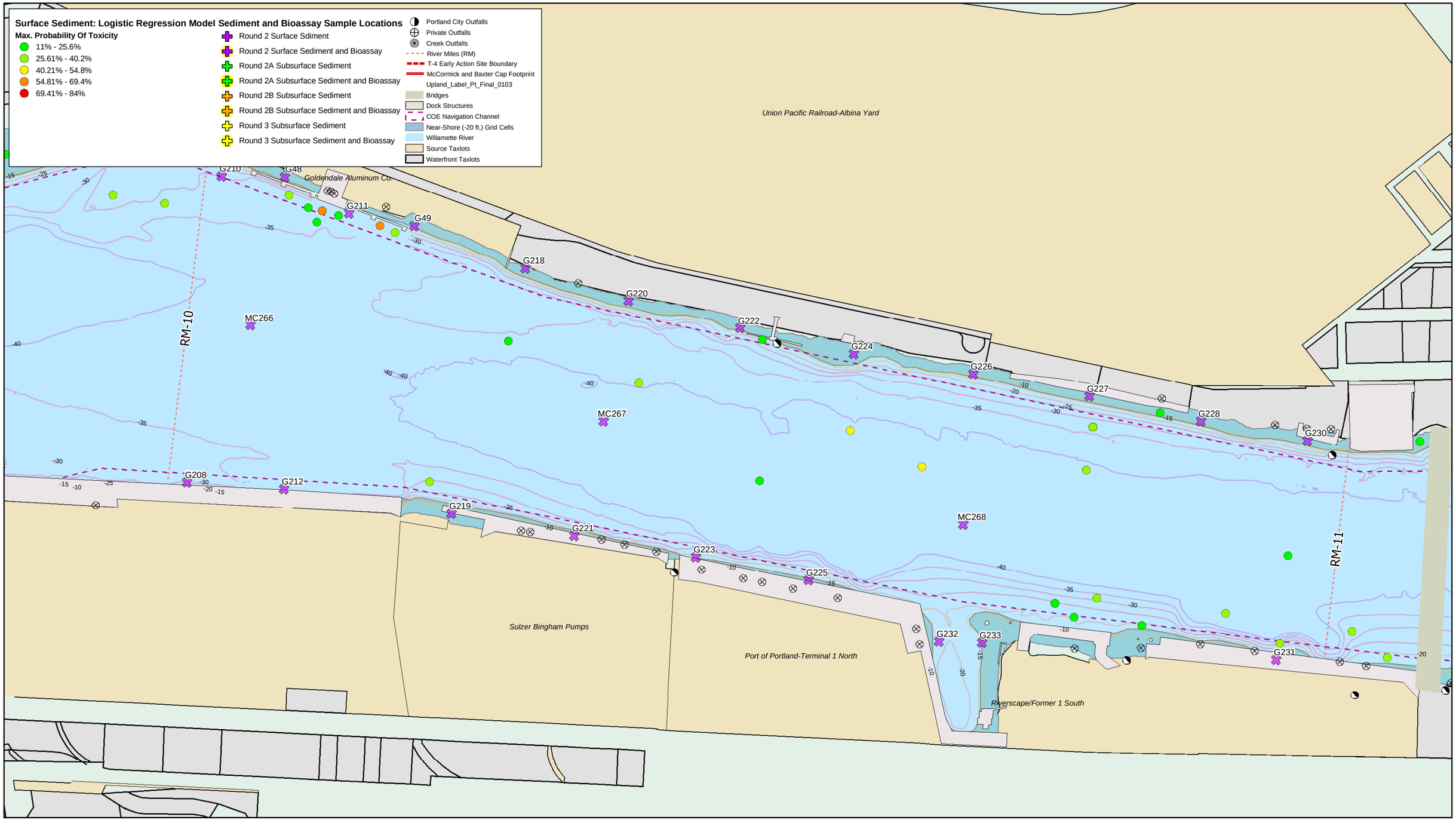

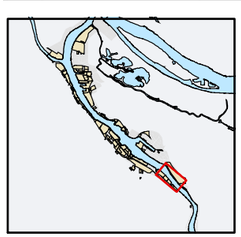

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Portland Harbor RI/FS
Planned (FSP) Bioassay Locations
& Logistic Regression Modeling