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April 8, 2003

Chip Humphrey
US Environmental Protection Agency
611 SW Sixth Avenue, Third Floor
Portland OR 97204

Tara Martich
US Environmental Protection Agency
1200 6th Avenue, M/S ECL-115
Seattle, WA 98101

Dear Chip and Tara:

Enclosed please find copies of the Round 2A Presentation CD and revised FSP maps. A few sediment stations locations have been moved slightly compared with the version you received during our March 20 meeting and those changes are reflected on the new maps. The CD has been similarly revised.

The Presentation is a PowerPoint file. Note that it takes a long time to load and to convert to the slideshow format. If you have any questions don't hesitate to call.

Sincerely,

Betsy Striplin 1-5-

Betsy D. Striplin



**Preliminary Discussion Draft
May Contain Errors
Restricted Distribution**

City of Portland Outfalls

Legend

Round 2A Field Sample Plan

- ⊕ Nature & Extent
- Nature & Extent/Bioassay
- Round 1 Sediment Sampling Locations
- ★ Seep photo
- Private Outfall (approx. location active & abandoned)
- ⊙ City outfalls
- ⊕ Dredged Areas Merged

Historical Surface Samples 2003 02 28

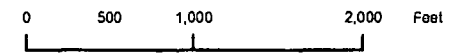
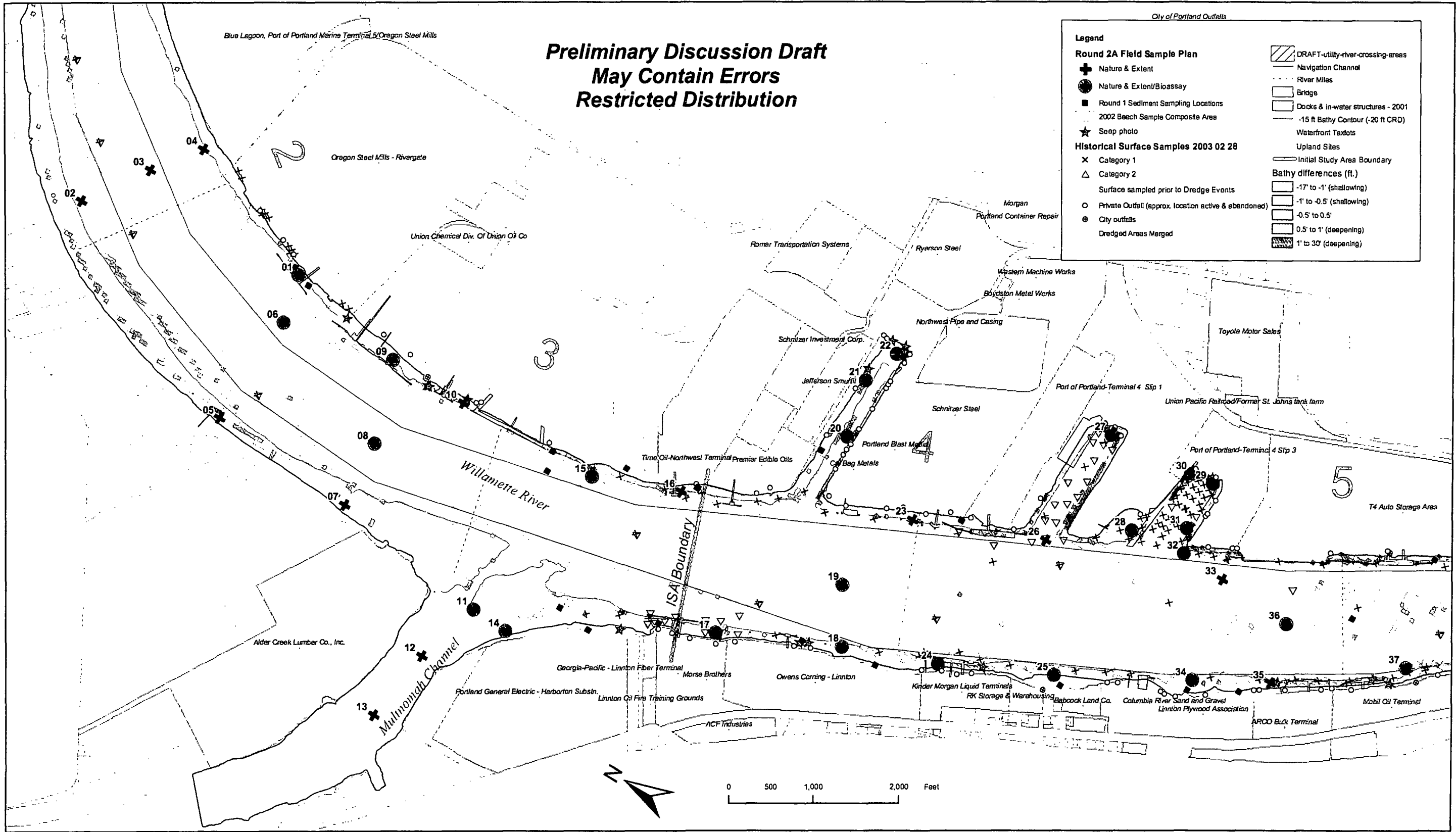
- × Category 1
- △ Category 2

Bathy differences (ft.)

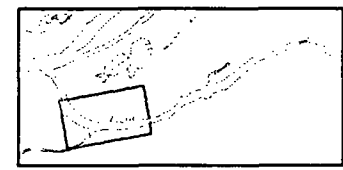
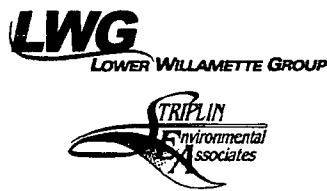
- 17' to -1' (shallowing)
- 1' to -0.5' (shallowing)
- 0.5' to 0.5'
- 0.5' to 1' (deepening)
- 1' to 30' (deepening)

Other Features:

- DRAFT-utility-river-crossing-areas
- Navigation Channel
- River Miles
- Bridge
- Docks & in-water structures - 2001
- 15 ft Bathym Contour (-20 ft CRD)
- Waterfront Taxlots
- Upland Sites
- Initial Study Area Boundary



FEATURE SOURCES:
 Transportation, Water, Property, Zoning or Boundaries: Metro RUS.
 Channel & River miles: Developed from USA COE information.
 Bathymetric information: Multibeam bathymetric surveys by DEA Dec. 2001/Jan. 2002 and July/Aug 2002.
 River Edge: drawn from October 2001 0.33 ft. res. color orthophotos.
 Docks & In-water Structures: drawn from October 2001 0.33 ft. res. color orthophotos.
 Historic Sampling Locations: Created from Category 1 and 2 LWG Surface Sediment Data with tag where sampling occurred prior to dredging event.
 Round 1 sampling locations: LWG database query of sediment samples.
 Beach Composite Area: Representational sketch surrounding the composite beach samples taken as part of Round 1 Field Sampling Program.
 City Outfalls: Points represent tabular information from the City of Portland, last updated by the City via Dawn Sanders on 3/2/03. Positional accuracy of outfalls has not been verified by location survey.
 Private Outfalls: Positions were edited or moved to fall close to the river-edge from points located along the river. Original positions were projected from left-long table from City of Portland for all the non-City outfalls in the Lower Willamette that the City of Portland had located in the ISA and vicinity to date (Oct. 2001). Accuracy and completeness are unknown.
 File name: FSP_2003-11x17-16-RI-recovered. Plot Date: 04/07/03

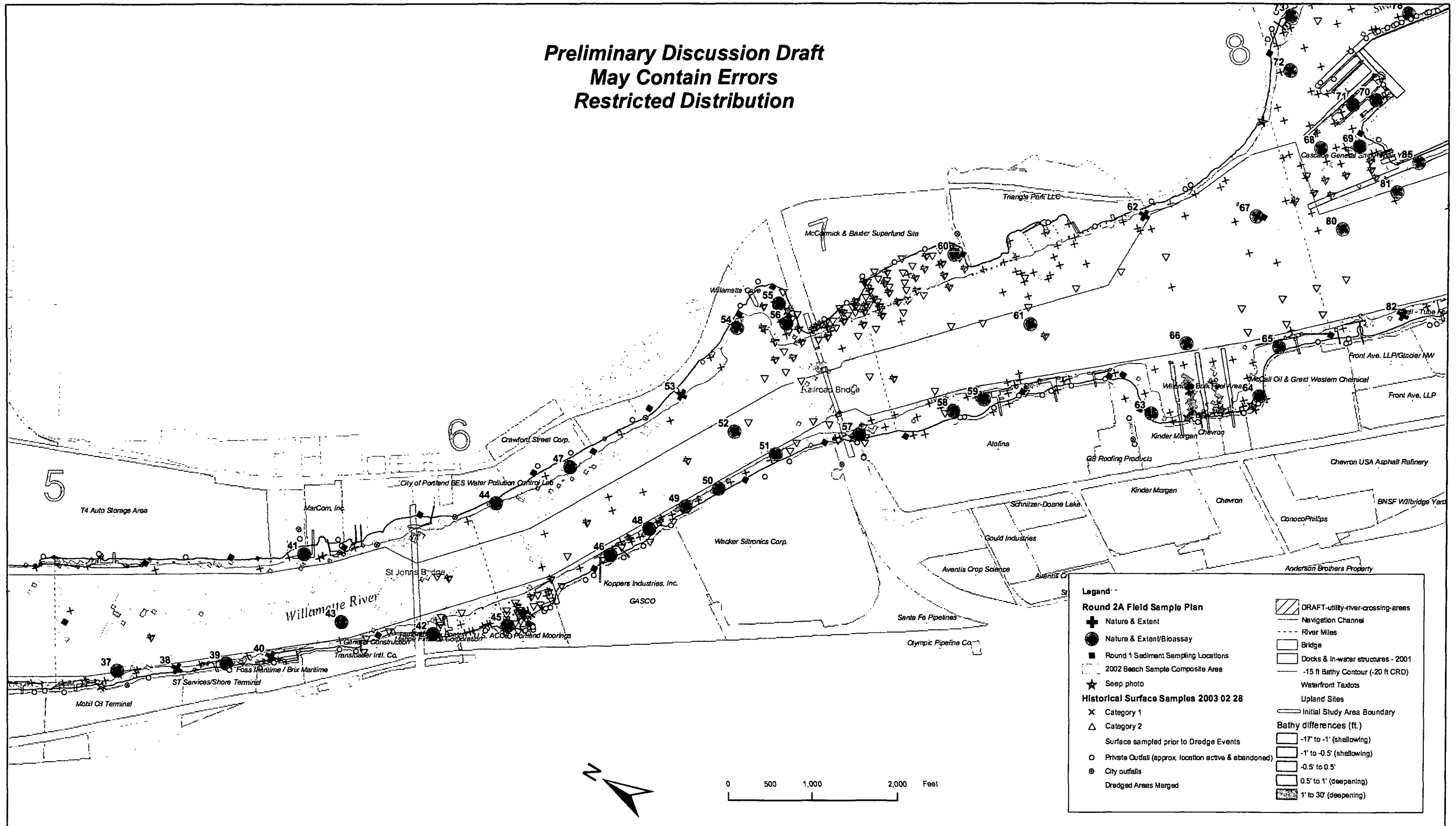


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**Portland Harbor RI/FS
Round 2A Field Sampling Plan
Sediment Locations**

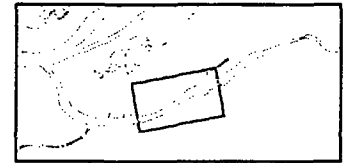
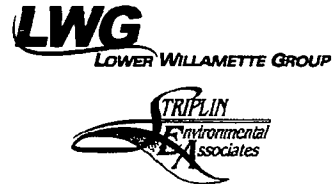
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Legend

Round 2A Field Sample Plan	DRAFT-utility-river-crossing-areas
Nature & Extent	Navigation Channel
Nature & Extent/Bioassay	River Miles
Round 1 Sediment Sampling Locations	Bridge
2002 Beach Sample Composite Area	Docks & In-water structures - 2001
Seep photo	-15 ft Bathymetry Contour (-20 ft CRD)
Historical Surface Samples 2003 02 28	Waterfront Textods
Category 1	Upland Sites
Category 2	Initial Study Area Boundary
Surface sampled prior to Dredge Events	Bathy differences (ft.)
Private Outfall (approx. location active & abandoned)	-17' to -1' (shallowing)
City outfalls	-1' to -0.5' (shallowing)
Dredged Areas Merged	-0.5' to 0.5'
	0.5' to 1' (deepening)
	1' to 30' (deepening)

FEATURE SOURCES:
 Transportation, Water, Property, Zoning or Boundaries: Metro RUS.
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 Bathymetric information: Multibeam bathymetric surveys by DEA Dec, 2001/Jan, 2002 and July/Sept 2002.
 River Edge: drawn from October 2001 0.33 ft. res. color orthophotos.
 Docks & In-water Structures: drawn from October 2001 0.33 ft. res. color orthophotos.
 Historic Sampling Locations: Created from Category 1 and 2 LWG Surface Sediment Data with tag where sampling occurred prior to dredging event.
 Round 1 sampling locations: LWG database query of sediment samples.
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 City Outfalls: Points represent tabular information from the City of Portland, last updated by the City via Dawn Sanders on 3/21/03. Positional accuracy of outfalls has not been verified by location survey.
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 File name: FSP_2003-11x17-to-R1-recovered_Plot Date: 04/07/03

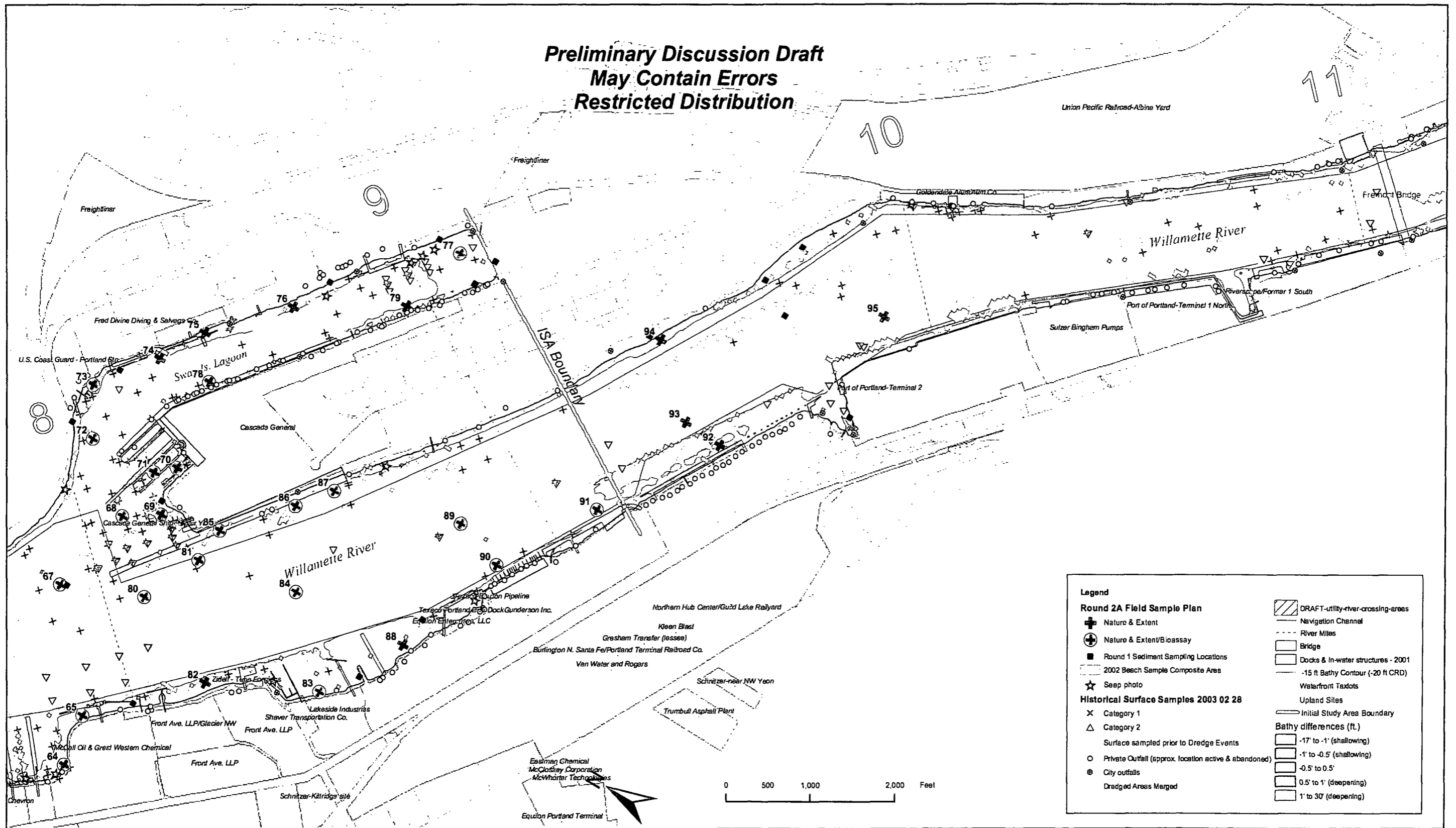


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**Portland Harbor RI/FS
Round 2A Field Sampling Plan
Sediment Locations**

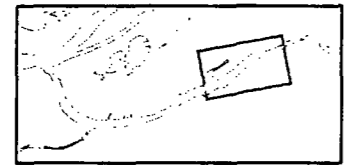
**Preliminary Discussion Draft
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Restricted Distribution**



Legend

<ul style="list-style-type: none"> Round 2A Field Sample Plan Nature & Extent (cross symbol) Nature & Extent/Bioassay (circle with cross symbol) Round 1 Sediment Sampling Locations (square symbol) 2002 Beach Sample Composite Area (dashed line symbol) Seep photo (star symbol) Historical Surface Samples 2003 02 28 Category 1 (x symbol) Category 2 (triangle symbol) Surface sampled prior to Dredge Events (circle with x symbol) Private Outfall (approx. location active & abandoned) (circle with dot symbol) City outfalls (circle with cross symbol) Dredged Areas Merged (shaded area symbol) 	<ul style="list-style-type: none"> DRAFT-utility-river-crossing-areas (hatched area symbol) Navigation Channel (solid line symbol) River Miles (dashed line symbol) Bridge (line with cross symbol) Docks & In-water structures - 2001 (dashed line symbol) -15 ft Bathym Contour (-20 ft CRD) (dotted line symbol) Waterfront Taxdots (dotted line symbol) Upland Sites (dotted line symbol) Initial Study Area Boundary (solid line symbol) Bathy differences (ft.) -1' to -1' (shallowing) (light gray box symbol) -1' to -0.5' (shallowing) (medium gray box symbol) -0.5' to 0.5' (white box symbol) 0.5' to 1' (deepening) (dark gray box symbol) 1' to 30' (deepening) (black box symbol)
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 Transportation, Water, Property, Zoning or Boundaries: Metro RLIS.
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 Bathymetric Information: Multibeam bathymetric surveys by DEA Dec, 2001/Jan, 2002 and July/Sept 2002.
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 File name: FSP_2003-11x17-Is-RI-recovered. Plot Date: 04/07/03

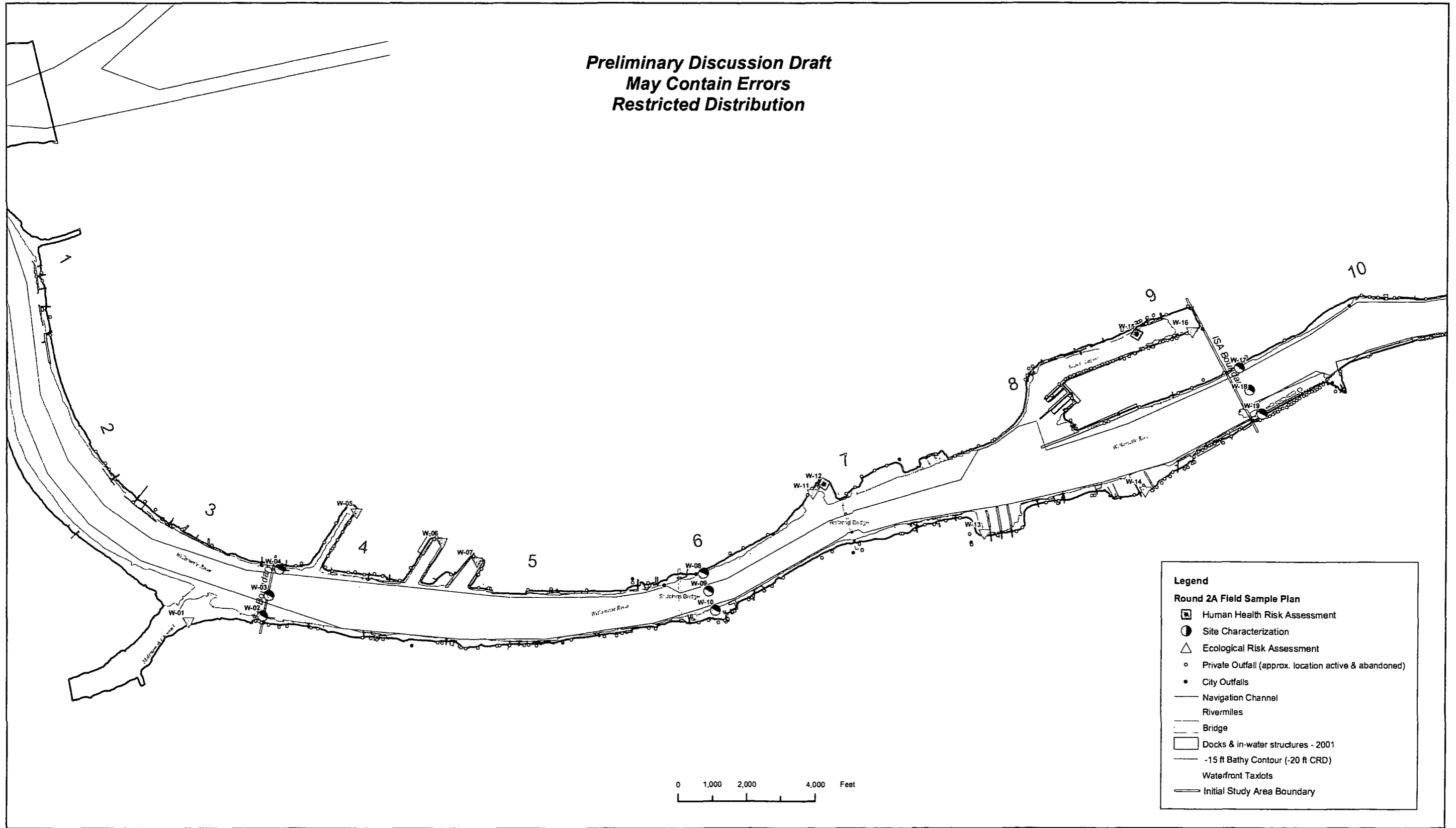


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**Portland Harbor RI/FS
Round 2A Field Sampling Plan
Sediment Locations**

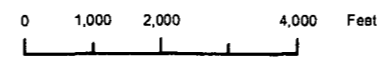
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Restricted Distribution**



Legend

Round 2A Field Sample Plan

- Human Health Risk Assessment
- Site Characterization
- △ Ecological Risk Assessment
- Private Outfall (approx. location active & abandoned)
- City Outfalls
- Navigation Channel
- Rivermiles
- Bridge
- Docks & in-water structures - 2001
- -15 ft Bathymetry Contour (-20 ft CRD)
- Waterfront Taxlots
- Initial Study Area Boundary



FEATURE SOURCES:
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 City Outfall: Points represent tabular information from the City of Portland, last updated by the City via Dawn Sanders on 3/21/03. Positional accuracy of outfalls has not been verified by location survey.
 File name: FSP_2003-11x17-WATER.mxd
 PLOT DATE: 04/07/03



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**Portland Harbor RI/FS
 Round 2A Field Sampling Plan
 Water Locations**