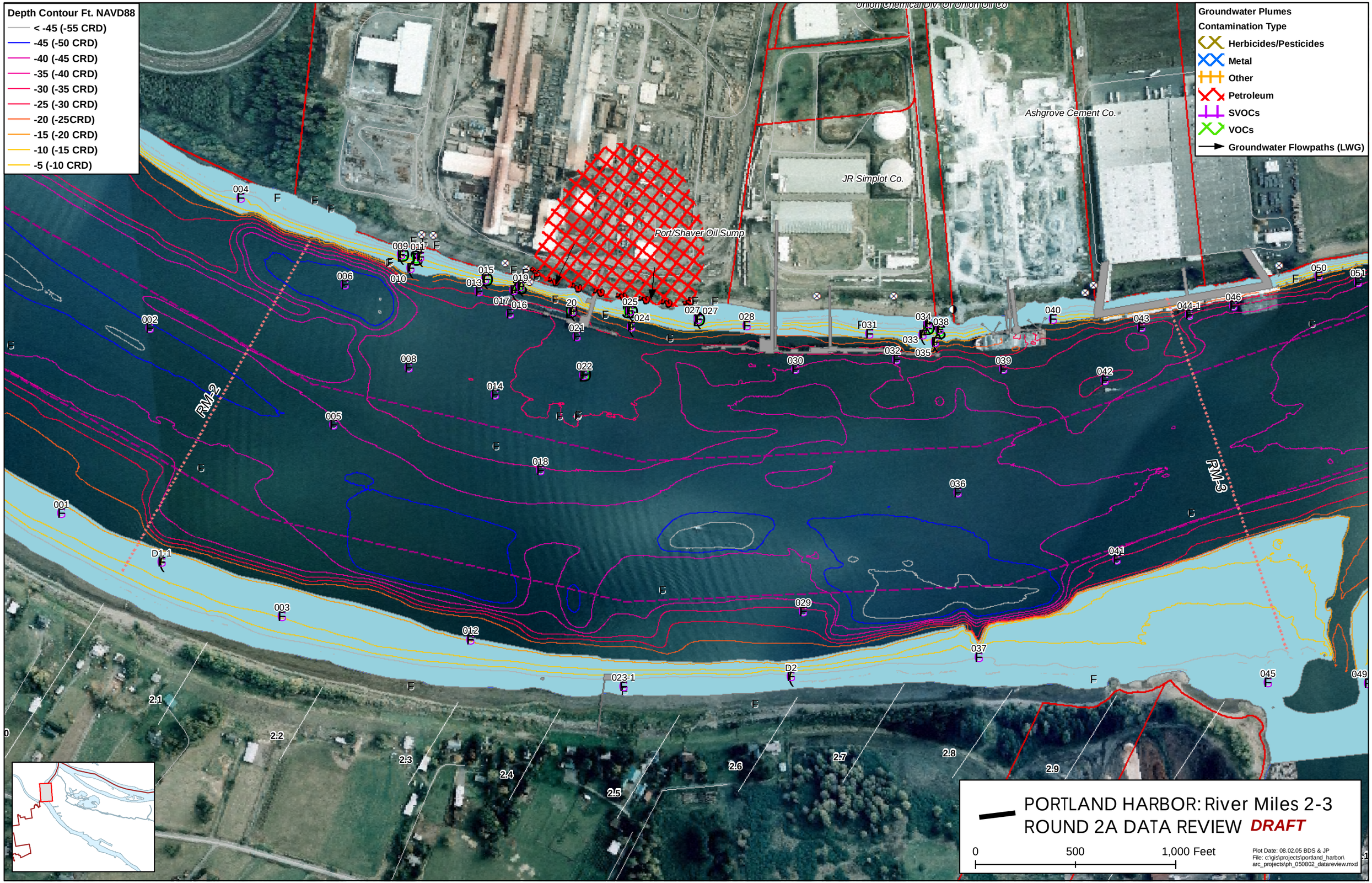
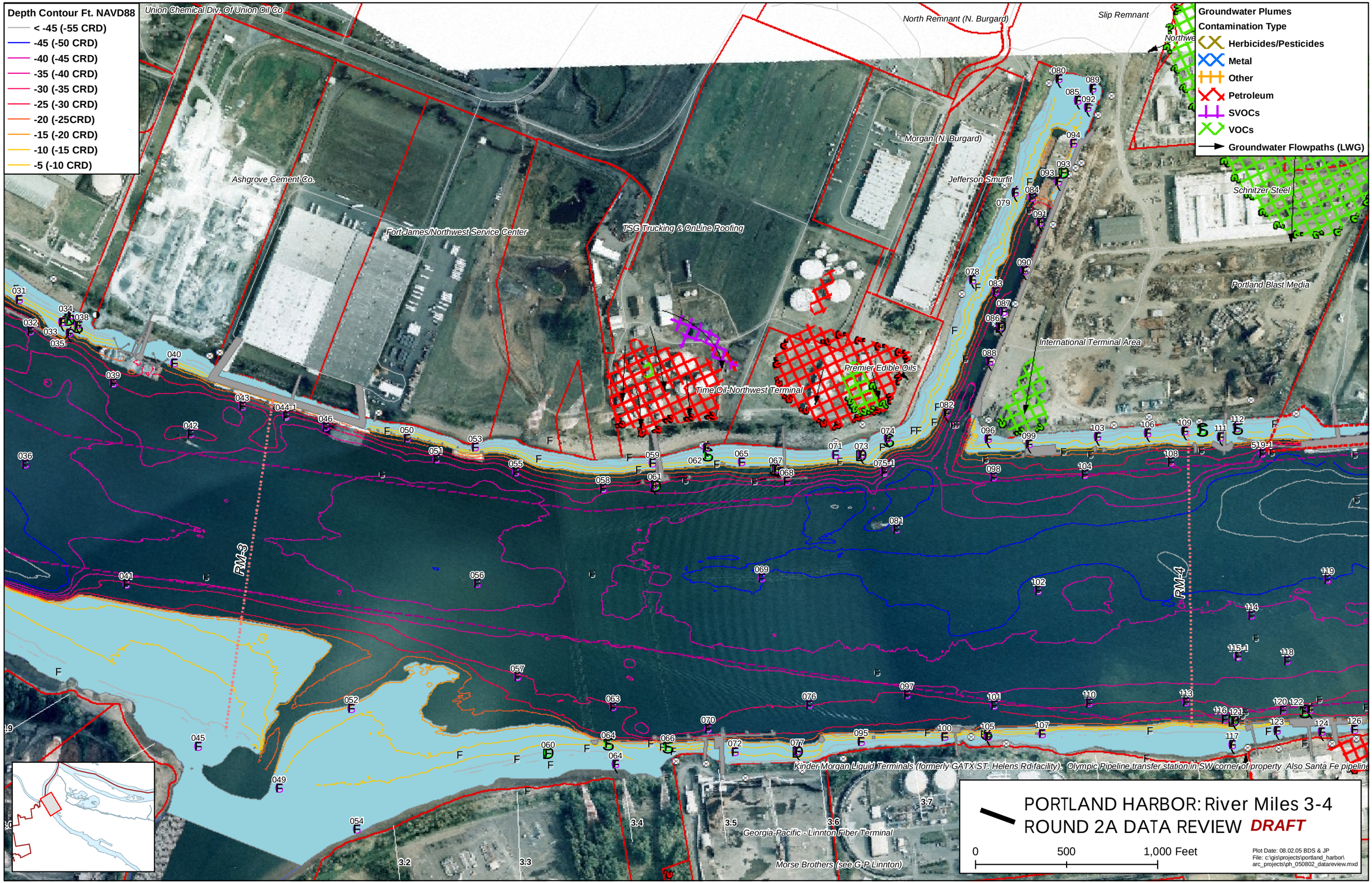
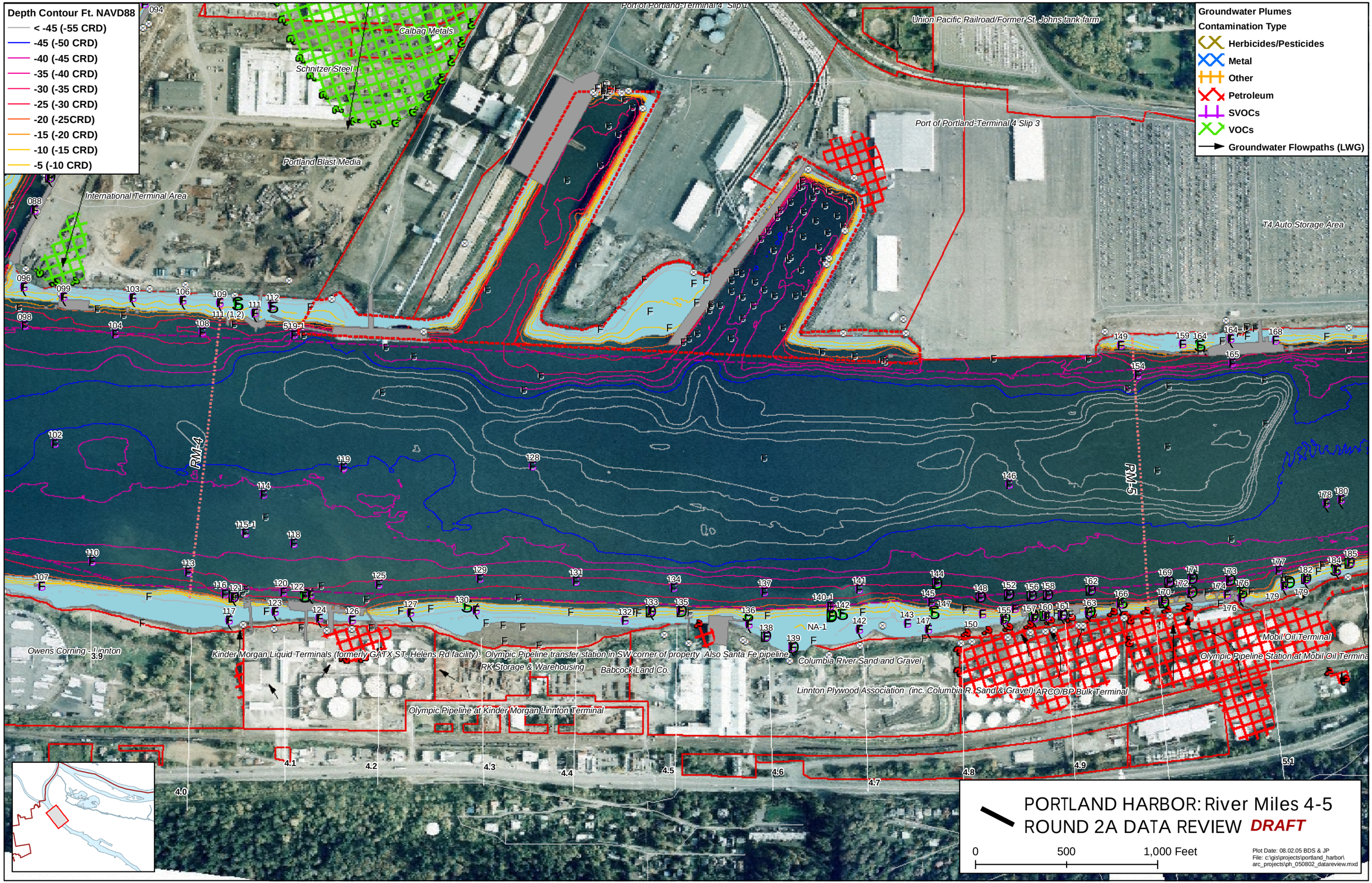
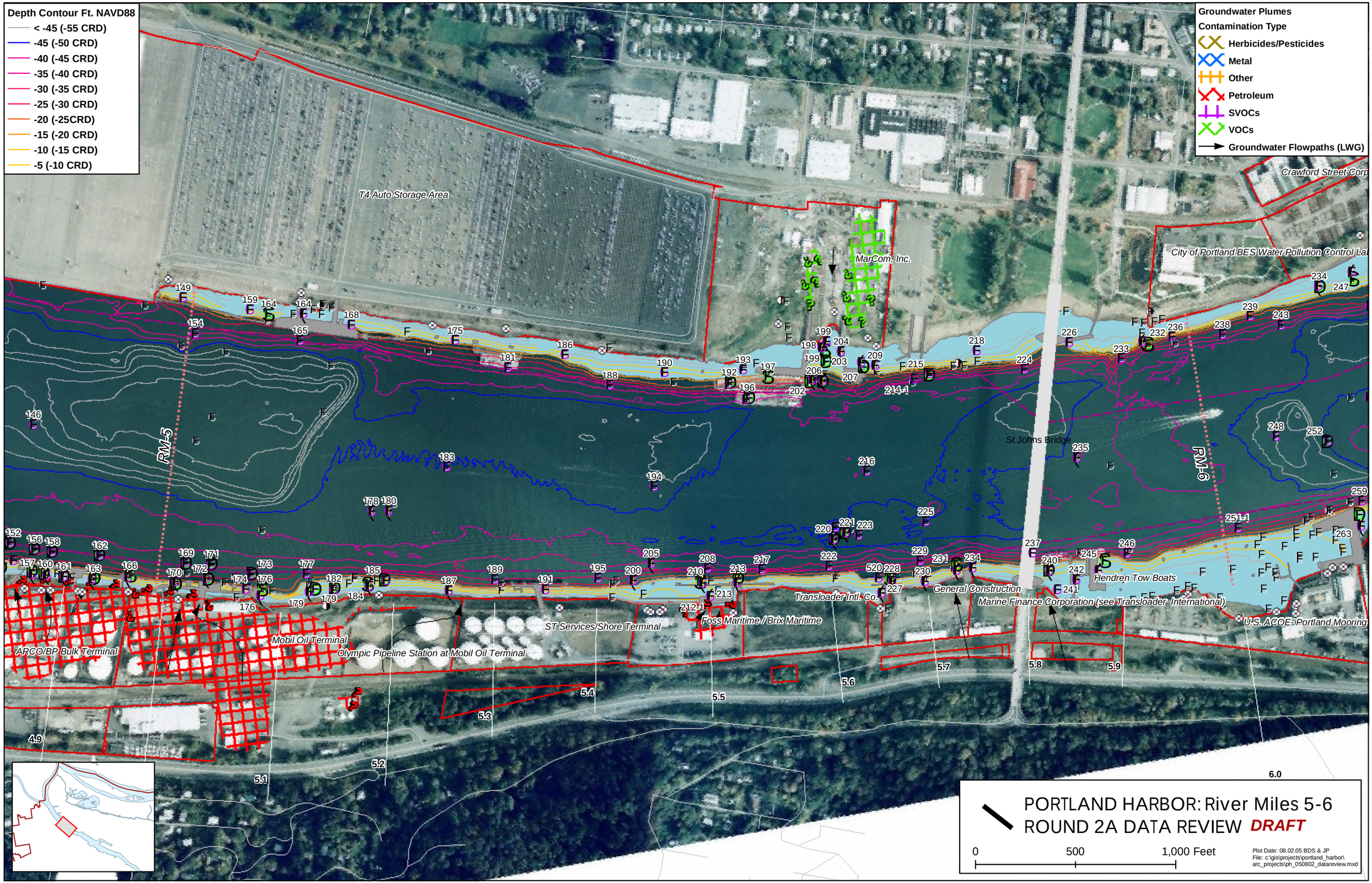
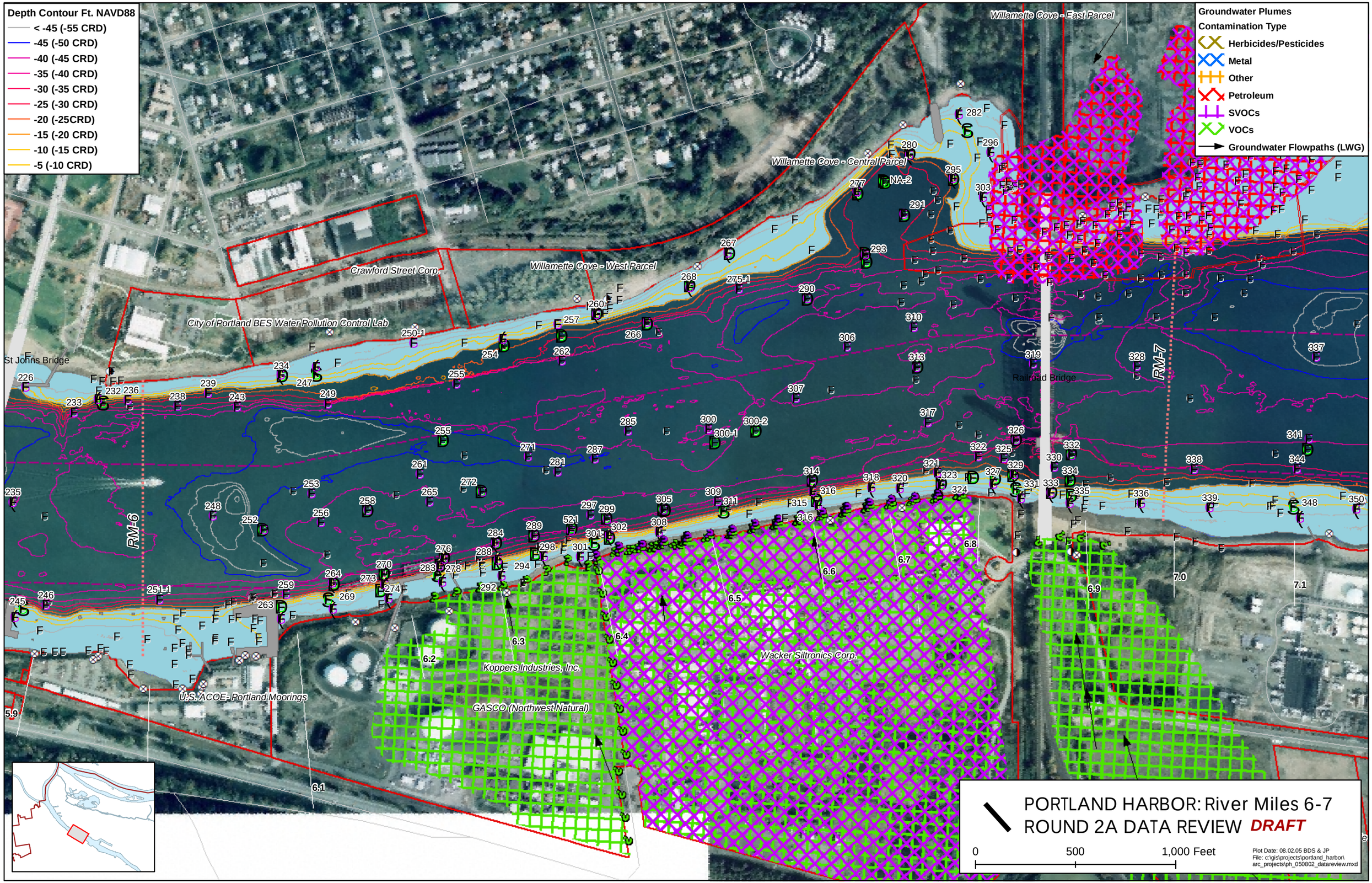
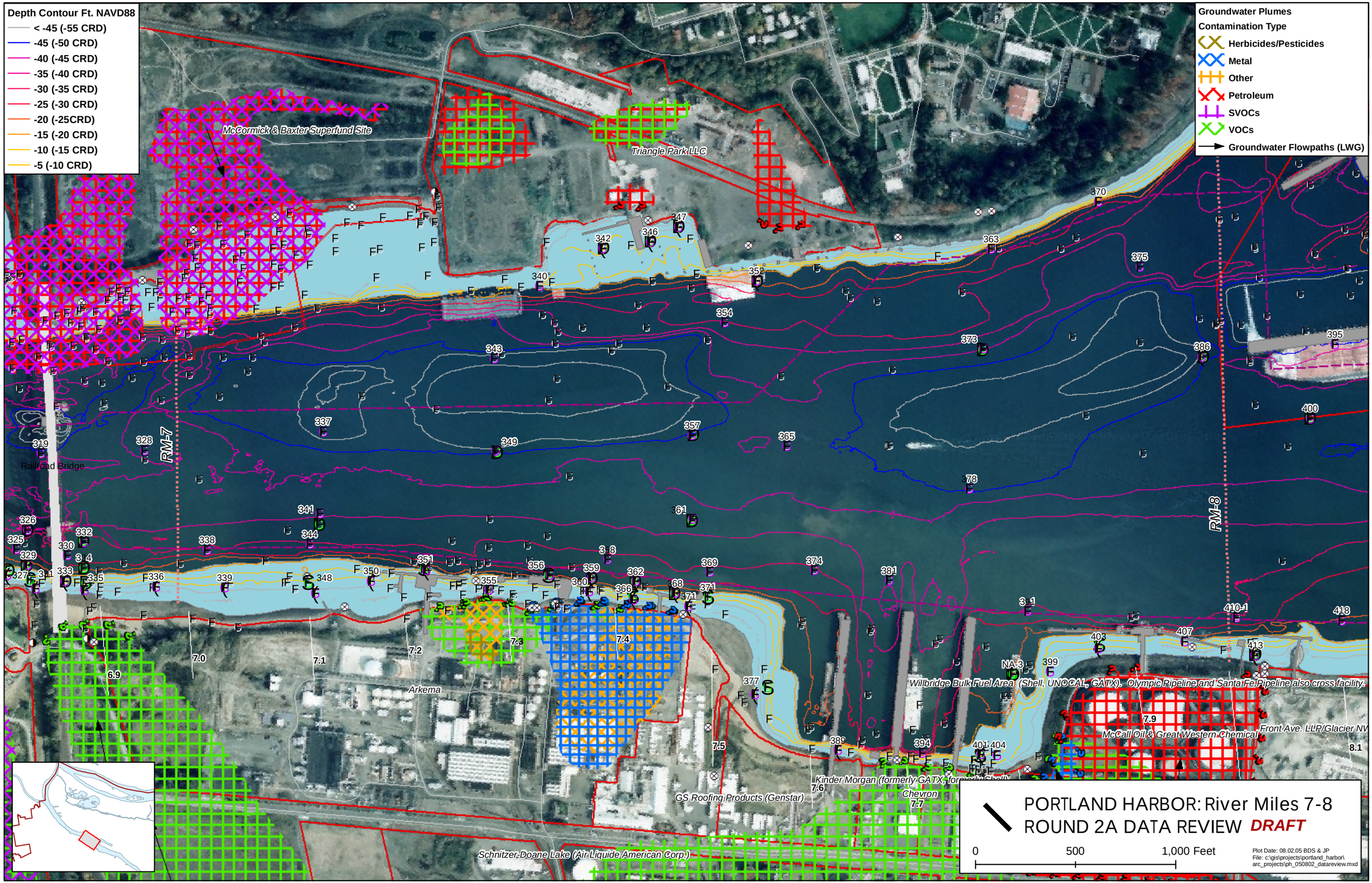

Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
Union Chemical Div. of Union Oil Co
Ashgrove Cement Co.
JR Simplot Co.
Port/Shaver Oil Sump
RM-2
RM-3
PORTLAND HARBOR: River Miles 2-3
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\arc_projects\ph_050802_datareview.mxd

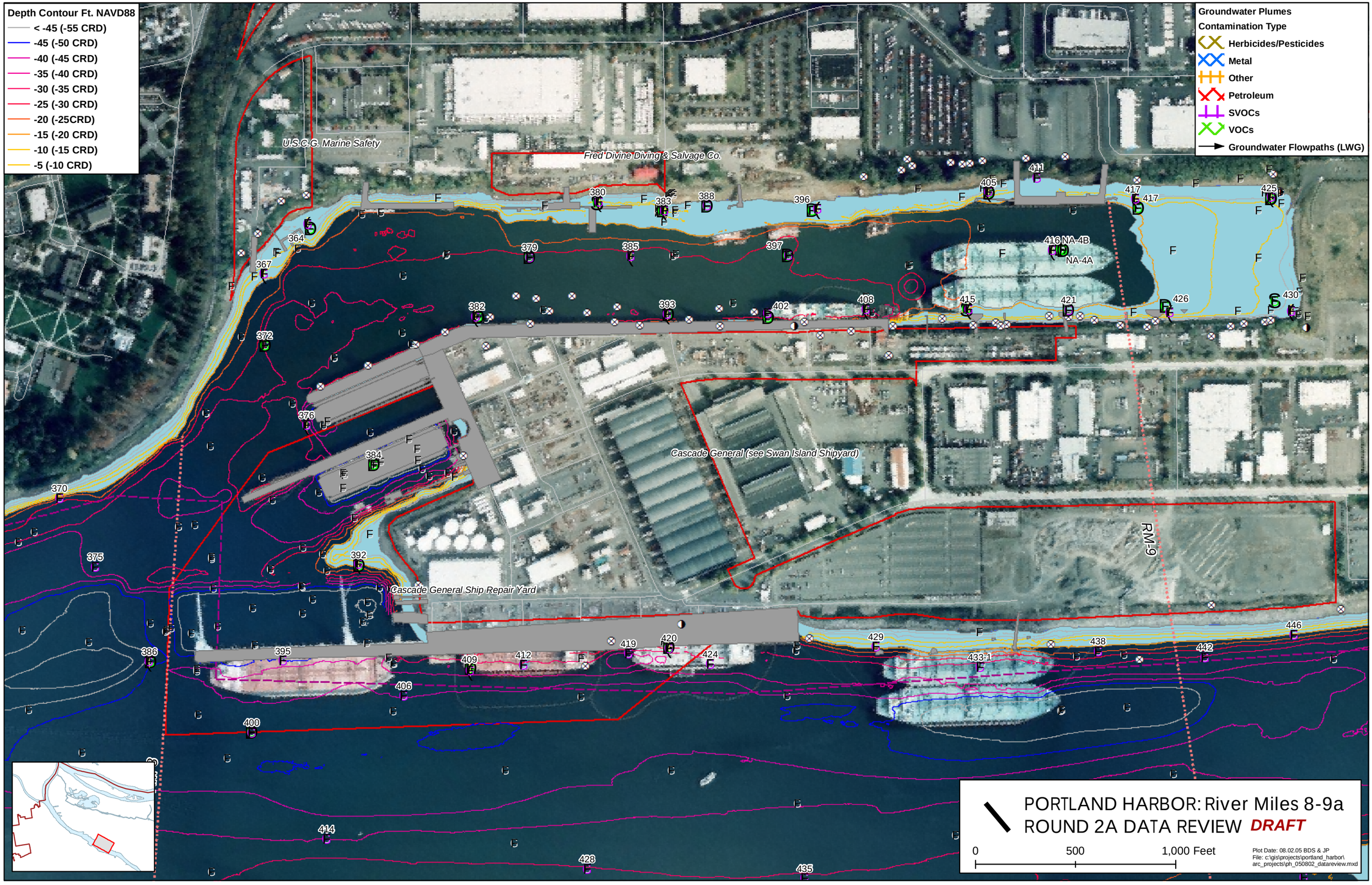

Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
Union Chemical Div. Of Union Oil Co
Ashgrove Cement Co.
Fort James/Northwest Service Center
TSG Trucking & OnLine Roofing
North Remnant (N. Burgard)
Morgan (N. Burgard)
Jefferson Smurfit
Slip Remnant
Schnitzer Steel
Portland Blast Media
International Terminal Area
Premier Edible Oils
Time Oil-Northwest Terminal
Kinder Morgan Liquid Terminals (formerly GATX ST. Helens Rd facility). Olympic Pipeline transfer station in SW corner of property. Also Santa Fe pipeline
Georgia-Pacific - Linnton Fiber Terminal
Morse Brothers (see G-P Linnton)
RM-3
RM-4
PORTLAND HARBOR: River Miles 3-4
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\arc_projects\ph_050802_datareview.mxd

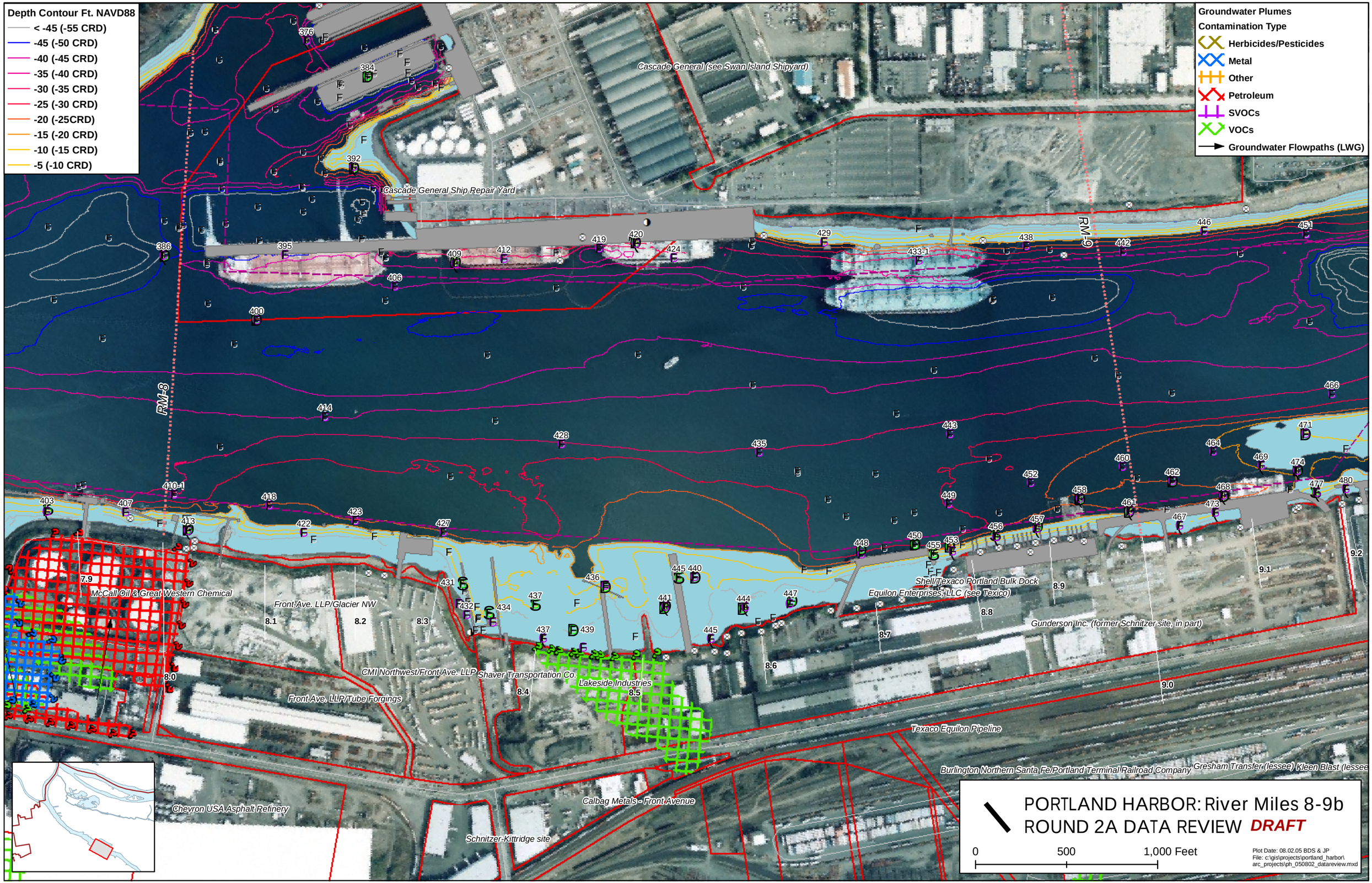

Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
Calbag Metals
Schnitzer Steel
Portland Blast Media
International Terminal Area
Port of Portland-Terminal 4 Slip 1
Union Pacific Railroad/Former St. Johns tank farm
Port of Portland-Terminal 4 Slip 3
T4 Auto Storage Area
RM-4
RM-5
Owens Corning - Linnton
Kinder Morgan Liquid Terminals (formerly GATX ST. Helens Rd facility). Olympic Pipeline transfer station in SW corner of property Also Santa Fe pipeline
RK Storage & Warehousing
Babcock Land Co.
Columbia River Sand and Gravel
Linnton Plywood Association (inc. Columbia R. Sand & Gravel) ARCO/BP Bulk Terminal
Olympic Pipeline at Kinder Morgan Linnton Terminal
Mobil Oil Terminal
Olympic Pipeline Station at Mobil Oil Termina
NA-1
PORTLAND HARBOR: River Miles 4-5
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\arc_projects\ph_050802_datareview.mxd

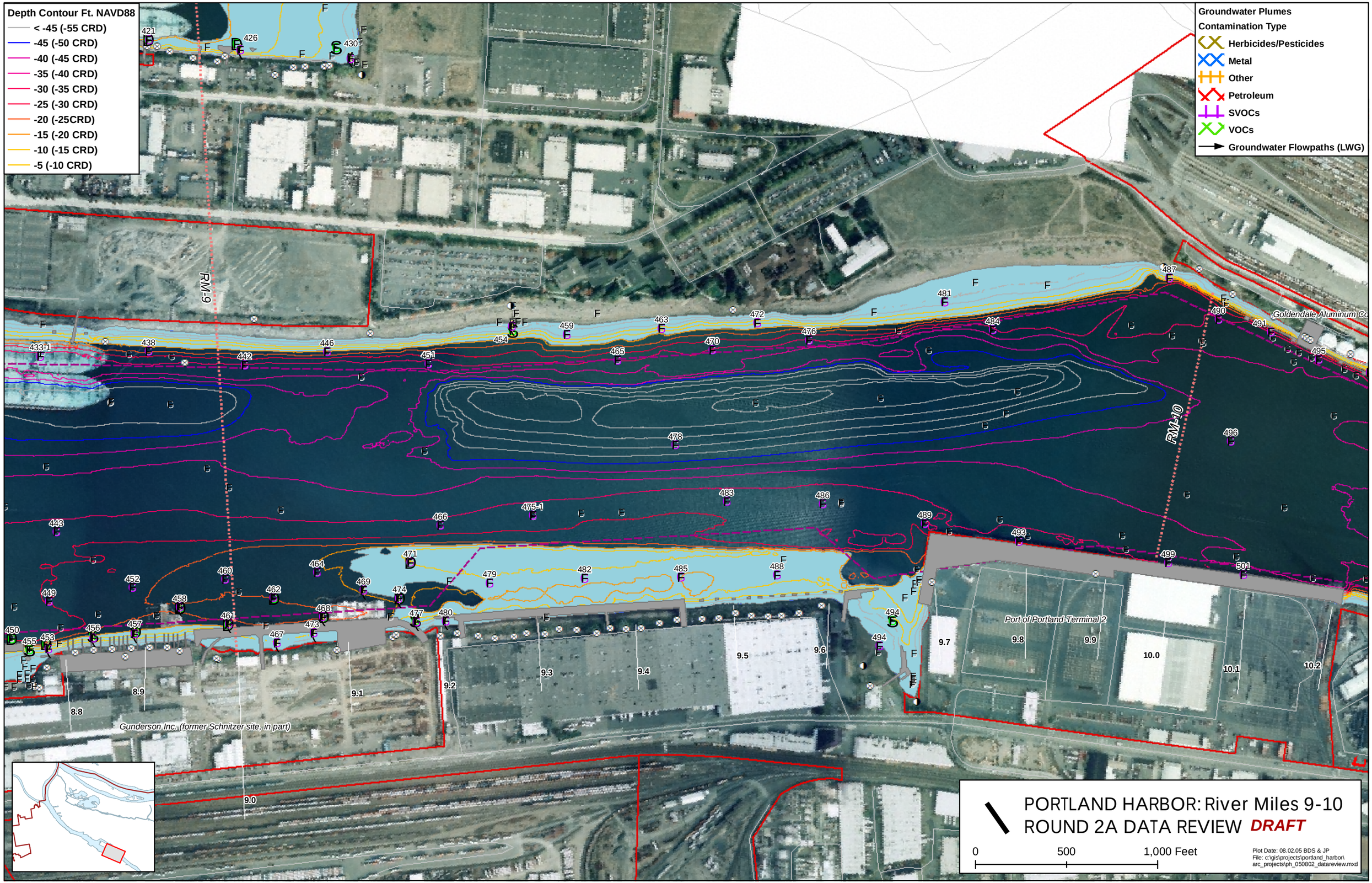

Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
T4 Auto Storage Area
MarCom, Inc.
Crawford Street Corp
City of Portland BES Water Pollution Control La
St Johns Bridge
RM-5
RM-6
Hendren Tow Boats
General Construction
Transloader Intl. Co.
Marine Finance Corporation (see Transloader International)
U.S. ACOE-Portland Mooring
Foss Maritime / Brix Maritime
ST Services/Shore Terminal
Mobil Oil Terminal
Olympic Pipeline Station at Mobil Oil Terminal
ARCO/BP Bulk Terminal
PORTLAND HARBOR: River Miles 5-6
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\
arc_projects\ph_050802_datareview.mxd

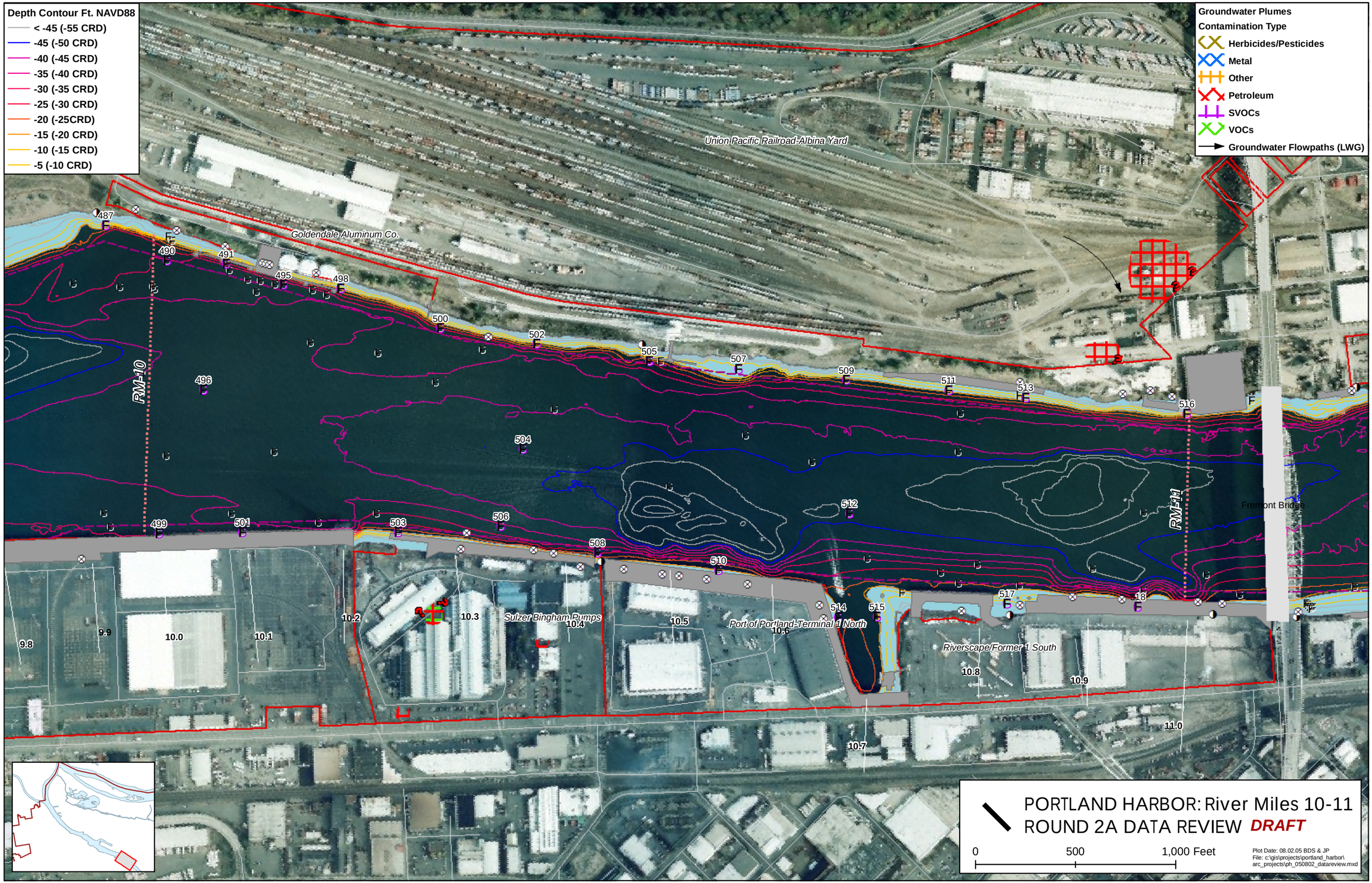

Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
Willamette Cove - East Parcel
Willamette Cove - Central Parcel
Willamette Cove - West Parcel
Crawford Street Corp.
City of Portland BES Water Pollution Control Lab
St Johns Bridge
Railroad Bridge
RM-6
RM-7
Koppers Industries, Inc.
Wacker Siltronics Corp.
U.S. ACOE- Portland Moorings
GASCO (Northwest Natural)
PORTLAND HARBOR: River Miles 6-7
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\arc_projects\ph_050802_datareview.mxd


Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
McCormick & Baxter Superfund Site
Triangle Park LLC
Railroad Bridge
RM-7
RM-8
Arkema
Willbridge Bulk Fuel Area (Shell, UNOCAL, GATX). Olympic Pipeline and Santa Fe Pipeline also cross facility.
McCall Oil & Great Western Chemical
Front Ave. LLP/Glacier NV
Kinder Morgan (formerly GATX, formerly Shell)
Chevron
GS Roofing Products (Genstar)
Schnitzer-Doane Lake (Air Liquide American Corp.)
PORTLAND HARBOR: River Miles 7-8
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\arc_projects\ph_050802_datareview.mxd


Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
U.S.C.G. Marine Safety
Fred Divine Diving & Salvage Co.
Cascade General (see Swan Island Shipyard)
Cascade General Ship Repair Yard
RM-9
NA-4A
NA-4B
PORTLAND HARBOR: River Miles 8-9a
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\arc_projects\ph_050802_datareview.mxd


Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
Cascade General (see Swan Island Shipyard)
Cascade General Ship Repair Yard
RM-8
RM-9
McCall Oil & Great Western Chemical
Front Ave. LLP/Glacier NW
CMI Northwest/Front Ave. LLP
Shaver Transportation Co.
Lakeside Industries
Front Ave. LLP/Tube Forgings
Shell/Texaco Portland Bulk Dock
Equilon Enterprises, LLC (see Texico)
Gunderson Inc. (former Schnitzer site, in part)
Texaco Equilon Pipeline
Burlington Northern Santa Fe/Portland Terminal Railroad Company
Gresham Transfer (lessee) Kleen Blast (lessee
Calbag Metals - Front Avenue
Chevron USA Asphalt Refinery
Schnitzer-Kittridge site
PORTLAND HARBOR: River Miles 8-9b
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\arc_projects\ph_050802_datareview.mxd


Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
RM-9
RM-10
Goldendale Aluminum Co
Port of Portland-Terminal 2
Gunderson Inc. (former Schnitzer site, in part)
PORTLAND HARBOR: River Miles 9-10
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\
arc_projects\ph_050802_datareview.mxd


Depth Contour Ft. NAVD88
< -45 (-55 CRD)
-45 (-50 CRD)
-40 (-45 CRD)
-35 (-40 CRD)
-30 (-35 CRD)
-25 (-30 CRD)
-20 (-25CRD)
-15 (-20 CRD)
-10 (-15 CRD)
-5 (-10 CRD)
Groundwater Plumes
Contamination Type
Herbicides/Pesticides
Metal
Other
Petroleum
SVOCs
VOCs
Groundwater Flowpaths (LWG)
Union Pacific Railroad-Albina Yard
Goldendale Aluminum Co.
Sulzer Bingham Pumps
Port of Portland-Terminal 1 North
Riverscape/Former 1 South
Fremont Bridge
RM-10
RM-11
487
490
491
495
498
500
502
505
507
509
511
513
516
496
504
499
501
503
506
508
510
512
514
515
517
518
9.8
9.9
10.0
10.1
10.2
10.3
10.4
10.5
10.6
10.7
10.8
10.9
11.0
PORTLAND HARBOR: River Miles 10-11
ROUND 2A DATA REVIEW DRAFT
0
500
1,000 Feet
Plot Date: 08.02.05 BDS & JP
File: c:\gis\projects\portland_harbor\arc_projects\ph_050802_datareview.mxd