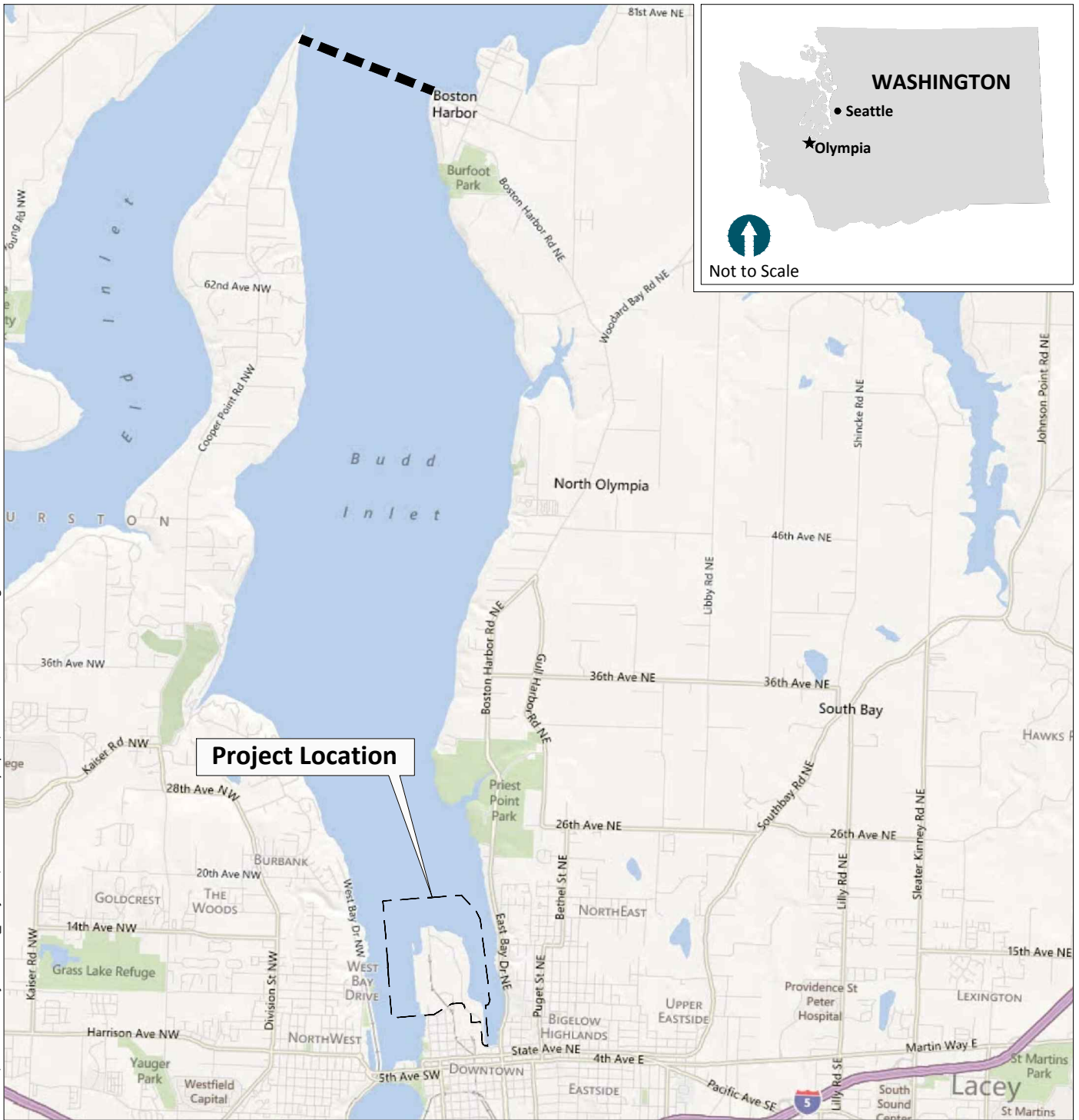


L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-003-VMAP.dwg FIG-1-1



Jun 12, 2012 9:00am ghowell

SOURCE: Image from Bing Maps
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

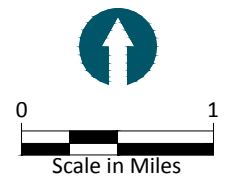


Figure 1-1
 Vicinity Map
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

\\orcass\gis\Jobs\080166-01_Port-of-Olympia\Maps\EIS_DGM\BuddInlet_StudyAreaMap.mxd_joliver_6/12/2012_9:38:48 AM



NOTE:
Area within Cascade Pole Cleanup Boundary is excluded from the Study Area.

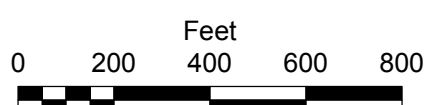
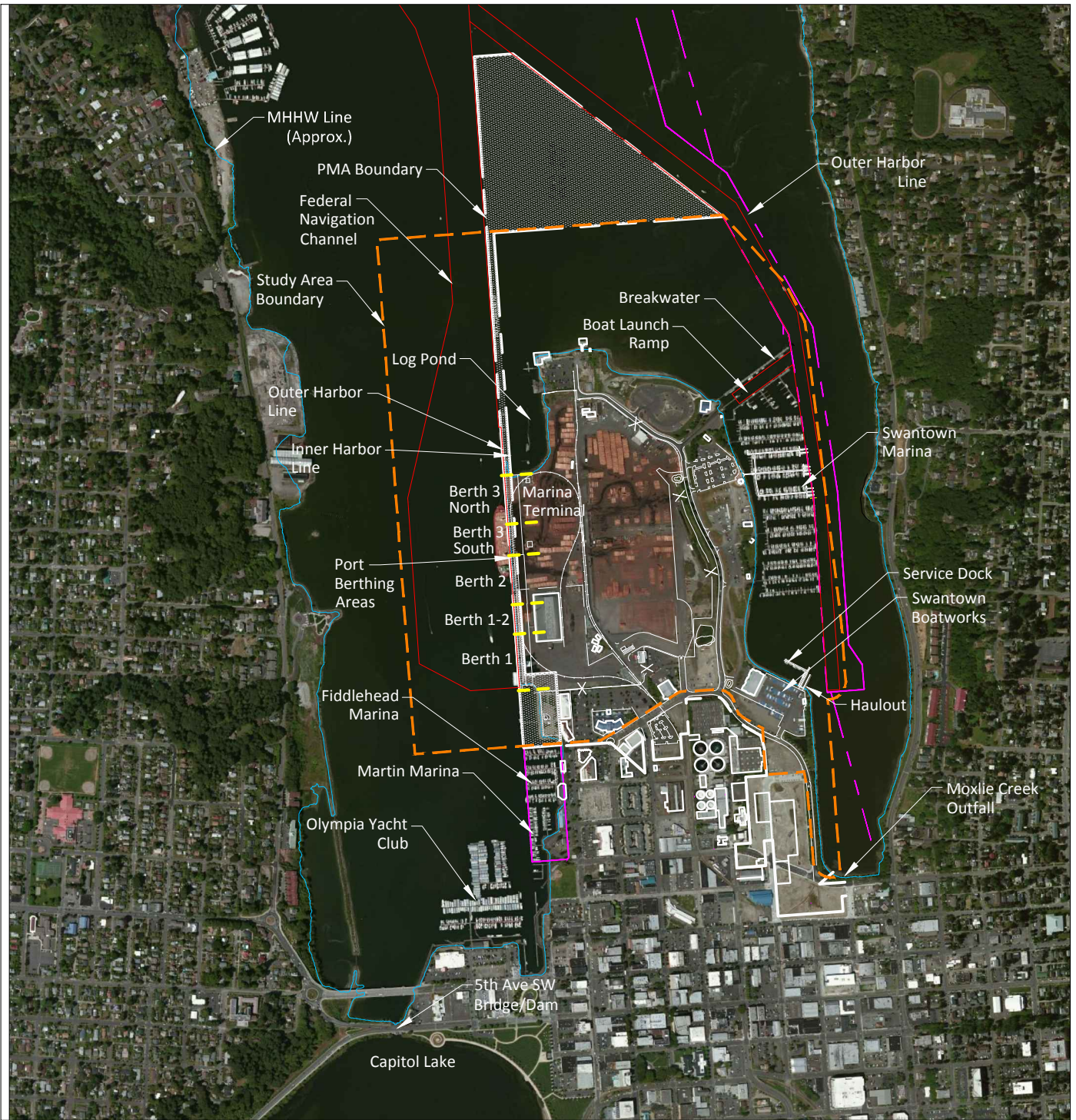


Figure 1-2
Study Area Map
Project Investigative Work Plan
Port of Olympia Budd Inlet Sediment Site

L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-PP-004-MJR-FEATURES.dwg FIG-2-1



Jun 12, 2012 9:24am ghowell

SOURCE: Aerial image from ESRI data. Basemap from Port of Olympia, dated June, 2008.
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

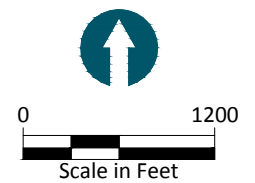


Figure 2-1
Major Aquatic Features
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site

L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-004-CONTAM-SITES-1.dwg FIG-2-2



Jun 12, 2012 12:31pm ghowell

SOURCE: Aerial image from ESRI data.
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

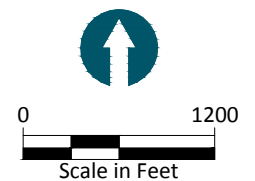


Figure 2-2
 Location of Other Contaminated Sites
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site




L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-002.dwg FIG-2-3


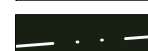



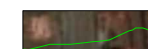
Jun 12, 2012 9:47am ghowell

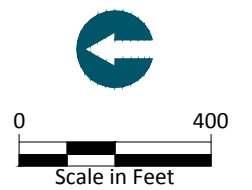
HORIZONTAL DATUM: Washington State Plane North, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

LEGEND:

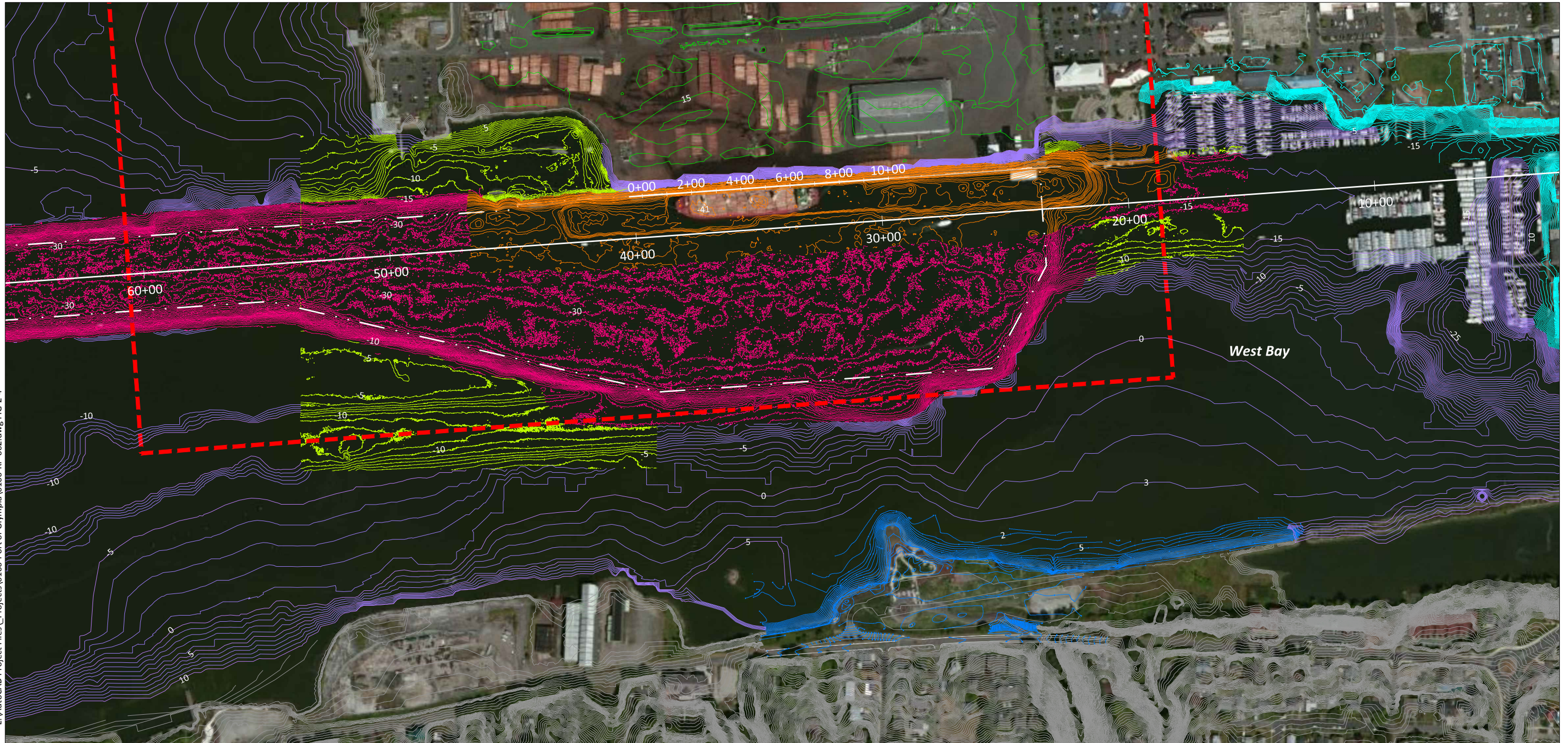
-  Survey From USACE, Dated February 2011
-  Survey From eTrac, Dated July 13, 2010
-  Topographic Contours From PSLC Lidar Data, 2006

-  Bathymetric Contours From Finlayson GIS Data, 2005
-  Federal Navigation Channel / Turning Basin
-  Conceptual Study Area Boundary

-  Topographic Contours From Field Survey from KPG, Inc. September 2010






L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-002.dwg FIG-2-4


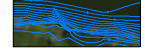





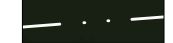
Jun 12, 2012 9:36am ghowell


HORIZONTAL DATUM: Washington State Plane North, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

LEGEND:

-  Survey From USACE, Dated February 2011
-  Survey From eTrac, Dated July 13, 2010
-  Survey From eTrac, Dated December 14, 2010

-  Survey by WH Pacific, Dated 2009
-  Survey Dated May 2007
-  Topographic Contours From Field Survey from KPG, Inc. September 2010

-  Bathymetric Contours From Finlayson GIS Data, 2005
-  Topographic Contours From PSLC Lidar Data, 2006
-  Federal Navigation Channel / Turning Basin

 Conceptual Study Area Boundary

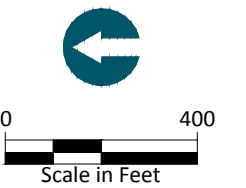


Figure 2-4
 Summary of Site Surveys - West Bay
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

\\orcascgis\Jobs\080166-01_Port-of-Olympia\Maps\EIS_DGM\BuddInlet_BathyColorRamp.mxd_joliver 6/12/2012 9:42:51 AM

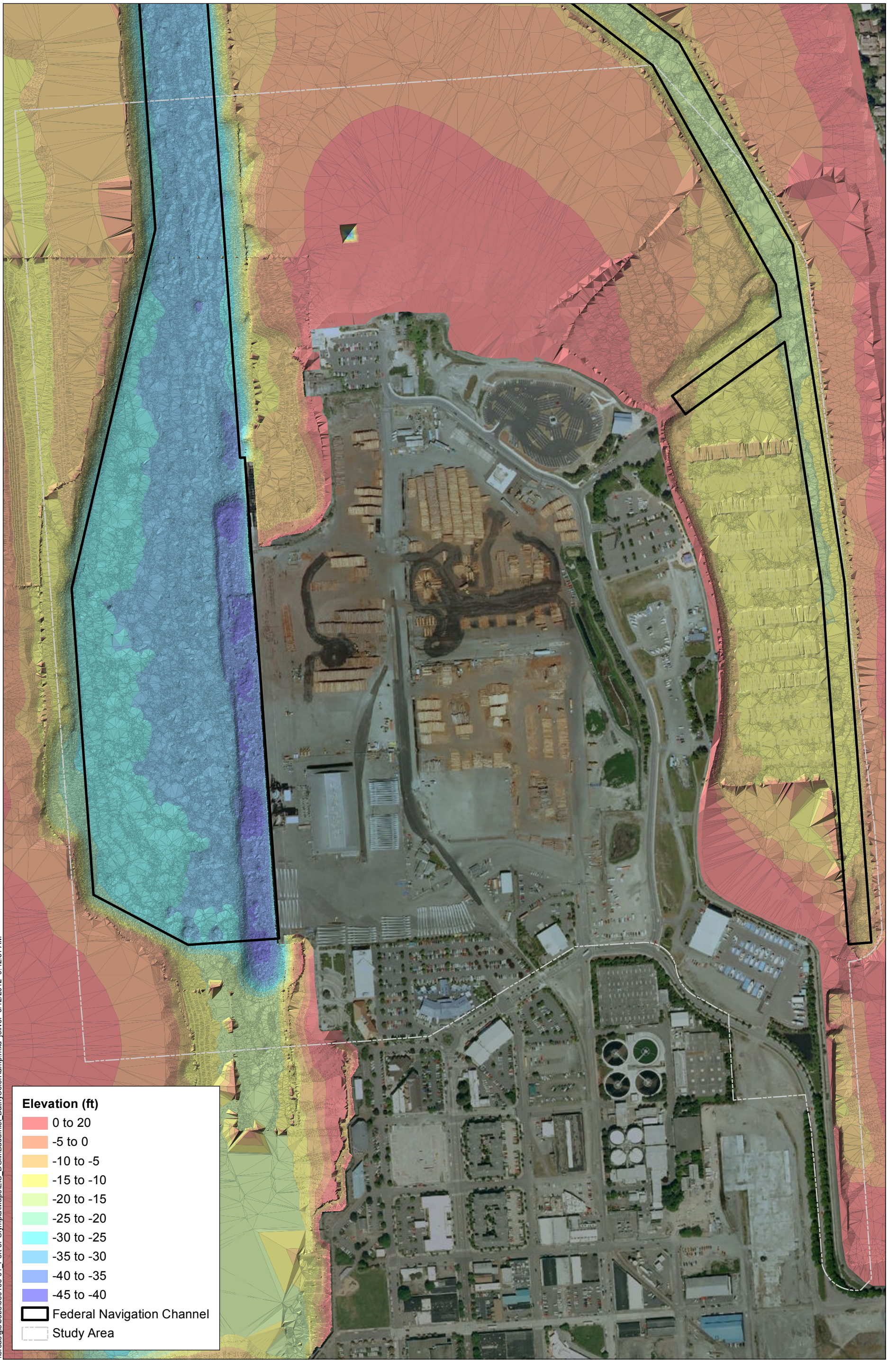
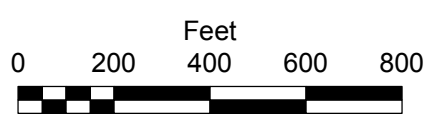


Figure 2-5

Bathymetry Overview

Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site





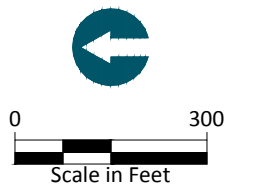
L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-007-EAST-BAY-HISTORICAL.dwg Fig-2-6



HORIZONTAL DATUM: Washington State Plane North, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

LEGEND:

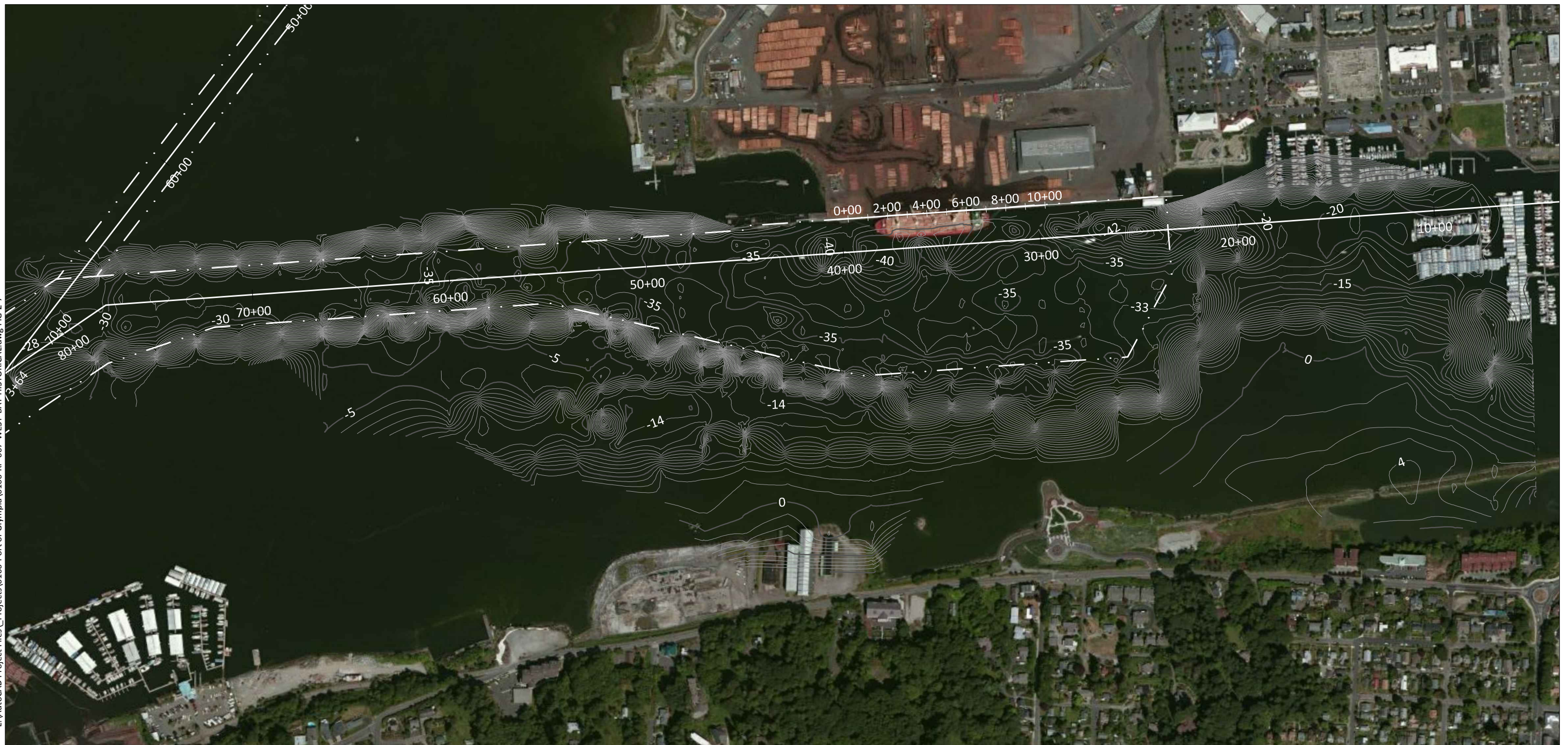
-  Historical Dredge Elevations
-  Federal Navigation Channel



Jun 12, 2012 9:53am ghowell



L:\AutoCAD Project Files\Projects\0166-PP-007-WEST-BAY-HISTORICAL.dwg FIG-2-7

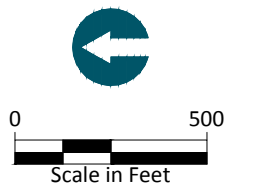
Jun 12, 2012 9:56am ghowell



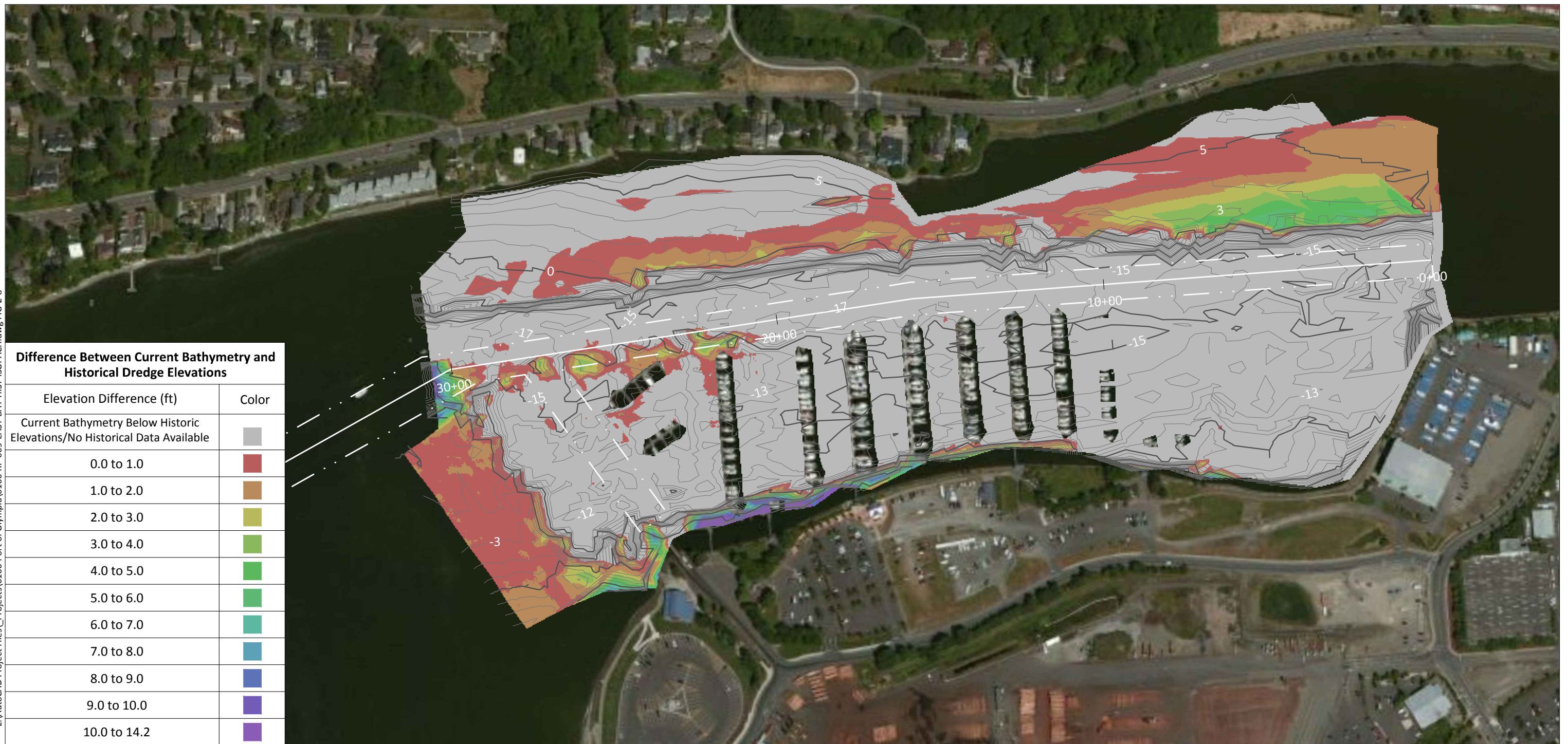
HORIZONTAL DATUM: Washington State Plane North, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

LEGEND:

-  Historical Dredge Elevations
-  Federal Navigation Channel

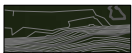



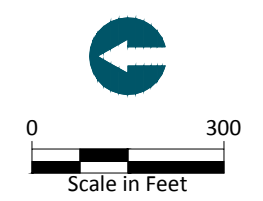
L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-009-EAST-BAY-HIST-ISOPACH.dwg FIG-2-8



Difference Between Current Bathymetry and Historical Dredge Elevations	
Elevation Difference (ft)	Color
Current Bathymetry Below Historic Elevations/No Historical Data Available	Grey
0.0 to 1.0	Red
1.0 to 2.0	Orange
2.0 to 3.0	Yellow
3.0 to 4.0	Light Green
4.0 to 5.0	Green
5.0 to 6.0	Dark Green
6.0 to 7.0	Teal
7.0 to 8.0	Blue
8.0 to 9.0	Dark Blue
9.0 to 10.0	Purple
10.0 to 14.2	Dark Purple

HORIZONTAL DATUM: Washington State Plane North, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

LEGEND:
 Historical Dredge Elevations
 Federal Navigation Channel

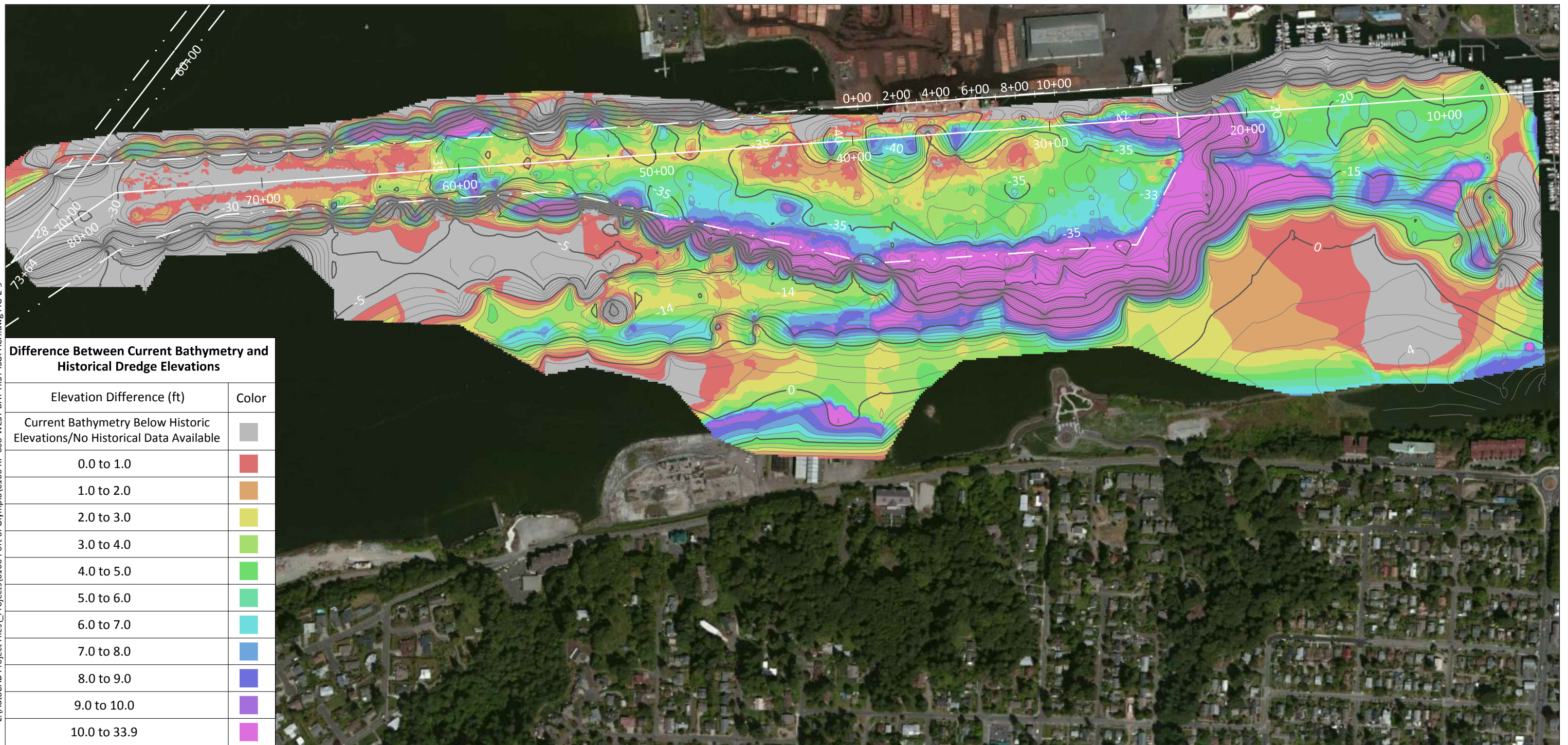


Jun 12, 2012 1:49pm ghowell





Figure 2-8
 Isopach Map of Current Bathymetry and East Bay Historical Dredge Elevations
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-008-WEST-BAY-HIST-ISOPACH.dwg FIG-2-9



Jun 12, 2012 11:07am ghowell

HORIZONTAL DATUM: Washington State Plane North, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

LEGEND:
 Historical Dredge Elevations
 Federal Navigation Channel

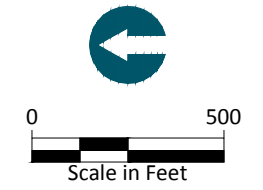


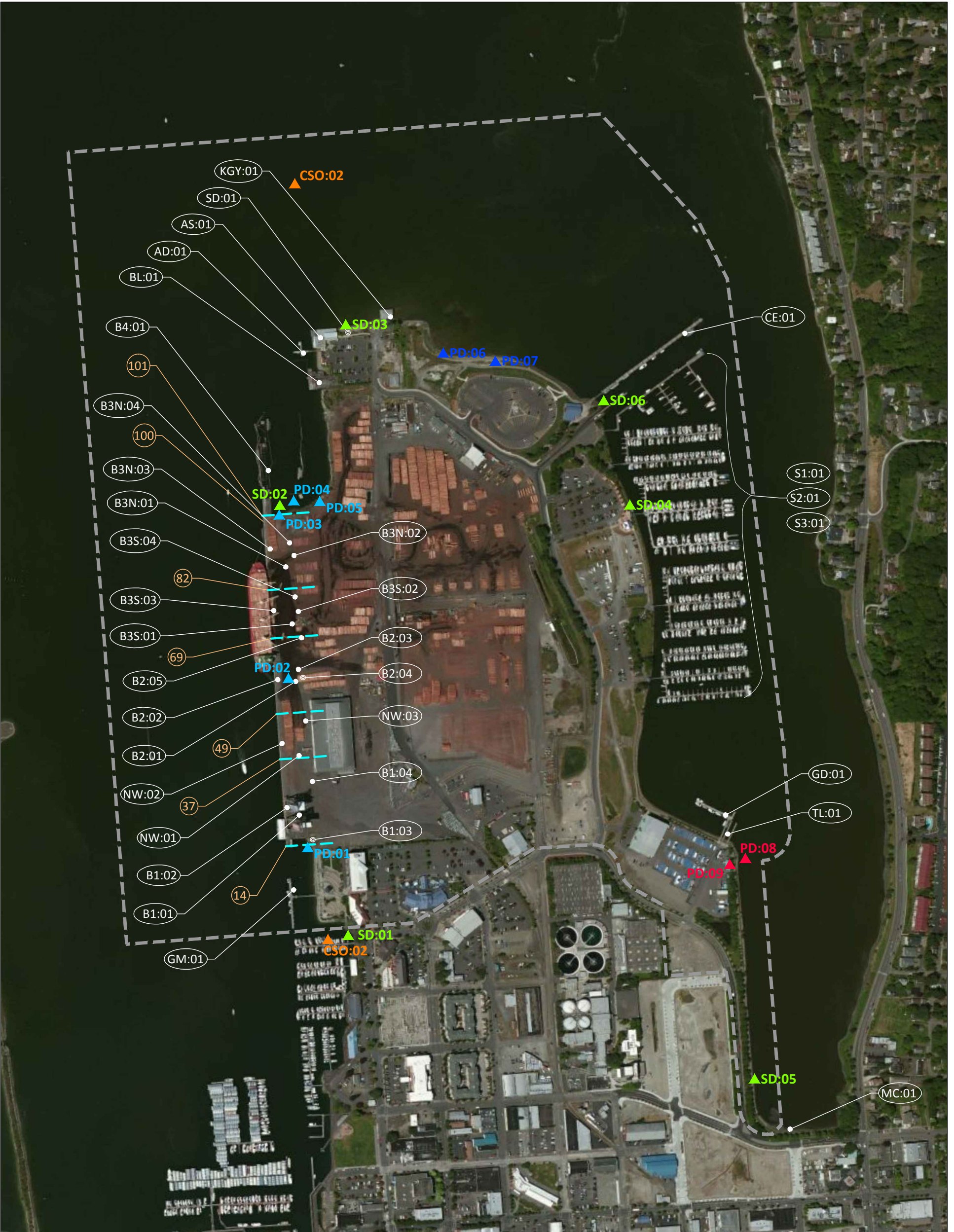
Figure 2-9
 Isopach Map of Current Bathymetry and West Bay Historical Dredge Elevations
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

\\orcass\gis\Jobs\080166-01_Port-of-Olympia\Maps\EIS_DGM\BuddInlet_ShorelineCharacterization.mxd joliver 6/12/2012 9:43:47 AM



- Natural Bank
- Overwater Structure
- Overwater Structure Above Riprap
- Riprap/Reinforced Shoreline
- Boat Ramp
- ▨ Port Apron
- Study Area

Figure 2-10
Shoreline Conditions



SOURCE: Aerial image from ESRI data. Basemap from Port of Olympia, dated June, 2008.
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).
NOTE: Table 2 contains detailed information on the elements identified on this figure.

- LEGEND:**
- (B2:04) Storm Drain Location
 - (B1:04) Tag Number, See Table 2
 - 14 Underpier Pile Bent Row
 - Approx. Berth Limits Line
 - Study Area

- City of Olympia Stormwater Outfall
- Industrial Stormwater Outfall (NPDES Permit)
- Industrial Stormwater Outfall (Individual Permit)
- Industrial Stormwater Outfall (Boatyard General Permit)
- LOTT Wastewater/CSO Outfall

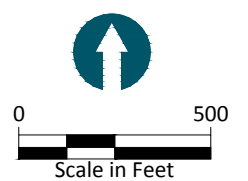
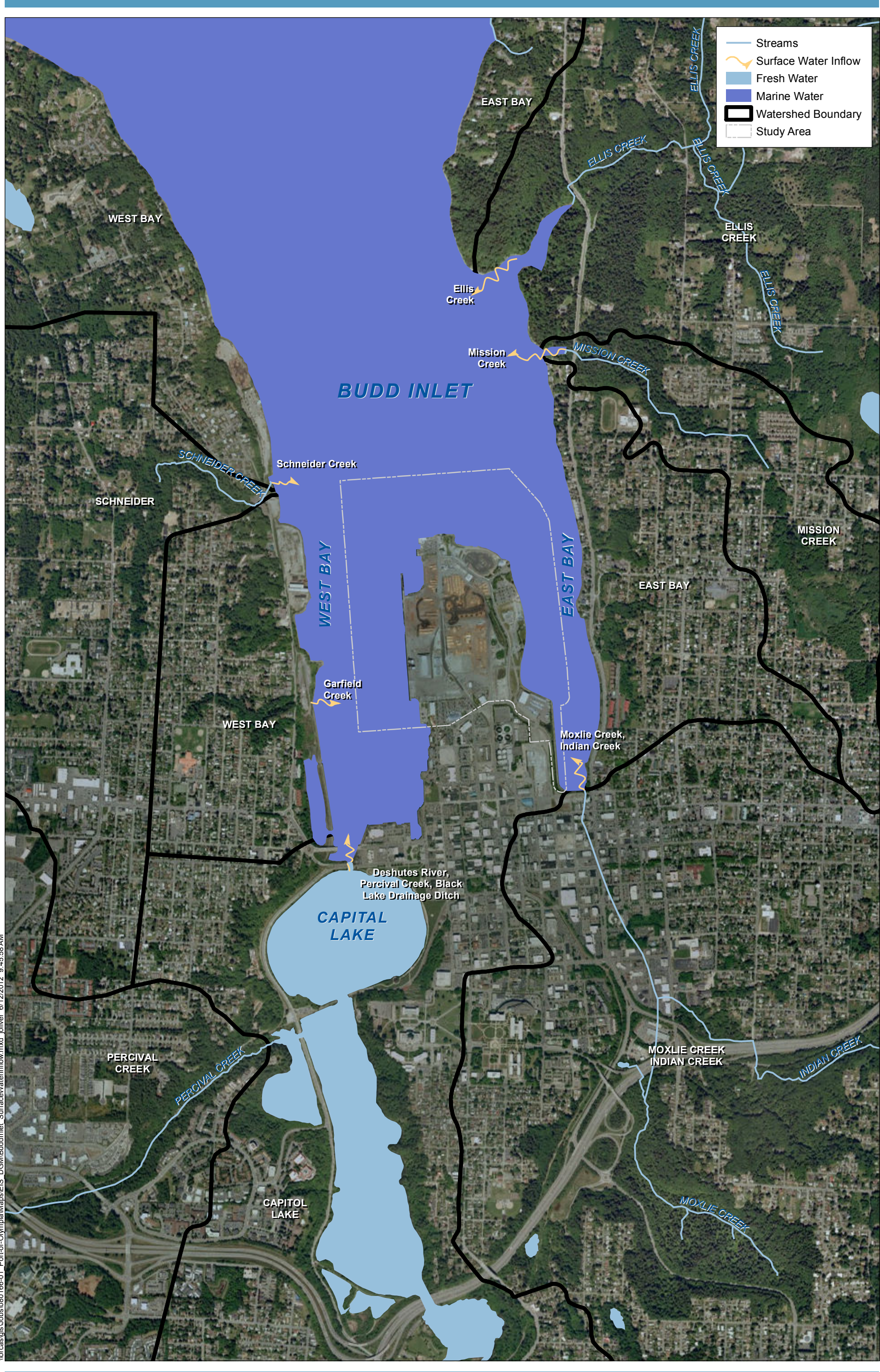


Figure 2-11
 Structural and Utility Information (Berger Abam)
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site



I:\orcasis\Jobs\080166-01 Port-of-Olympia\Maps\EIS DGM\BuddInlet_SurfaceWaterInflow.mxd joliver 6/12/2012 9:45:58 AM

Figure 2-12

Freshwater Inputs



\Norcas\gis\Jobs\080166-01 Port-of-Olympia\Maps\EIS DGM\BuddInlet_TideStations.mxd joliver 6/12/2012 9:46:57 AM

Figure 2-13

Locations of NOAA Tide Stations and Salinity and Current Data from Various Studies
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

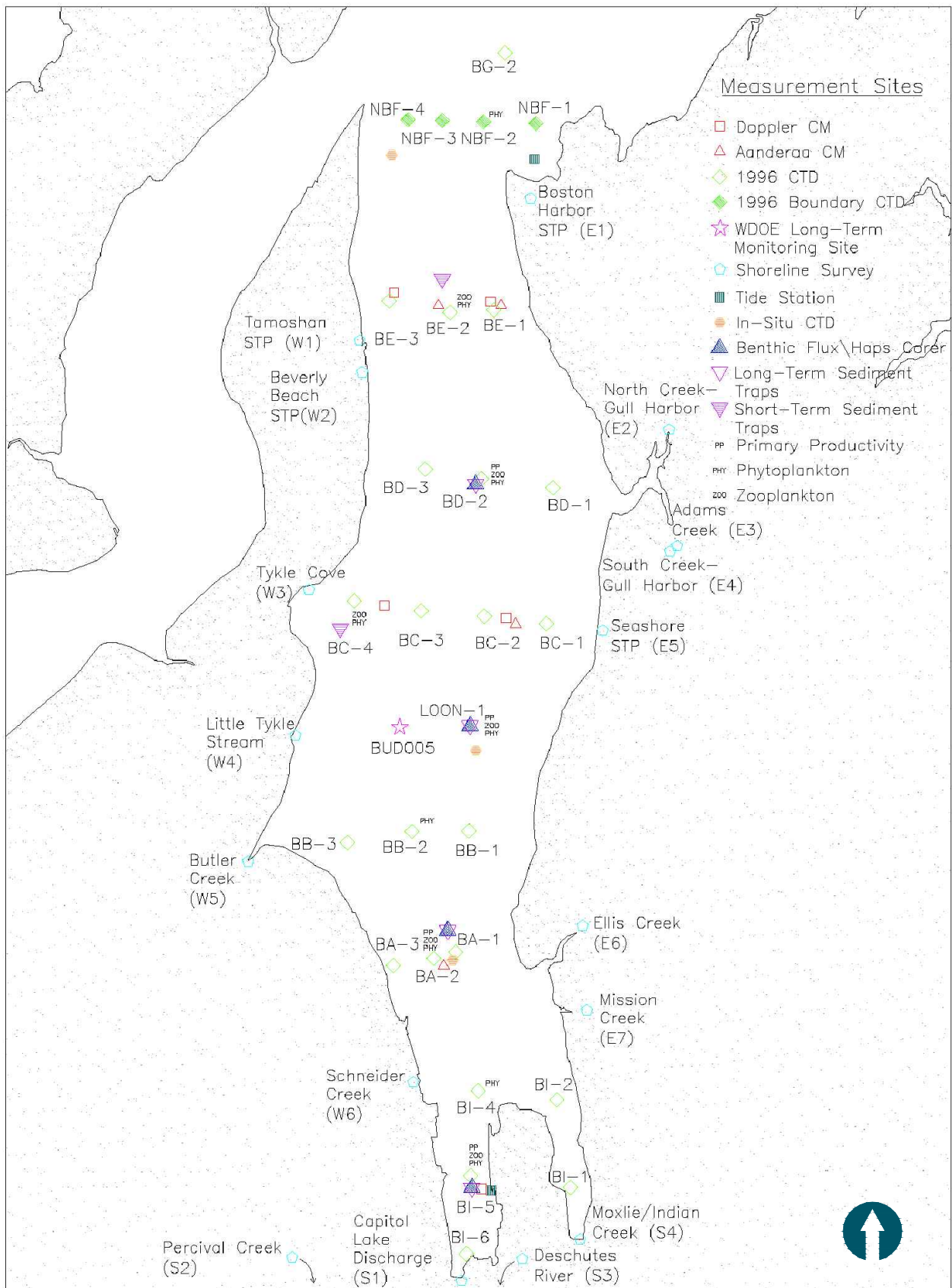


Figure 2-14

Salinity, Current, and Sediment Trap Data Collected as part of the LOTT (1998) Study (adapted from Figure 3-1 of LOTT, 1998) Draft Existing Information Summary and Data Gaps Memorandum Port of Olympia Budd Inlet Sediment Site



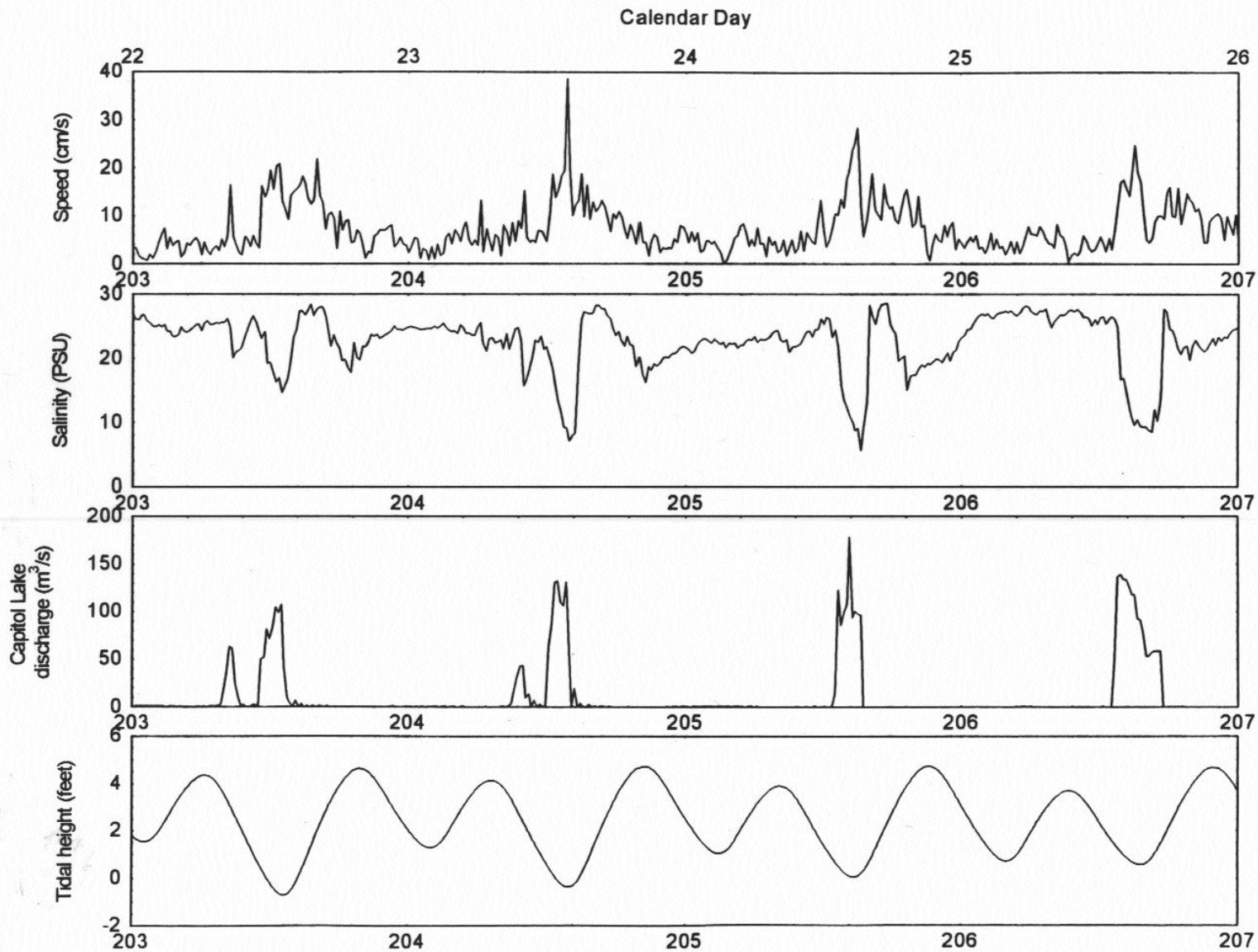
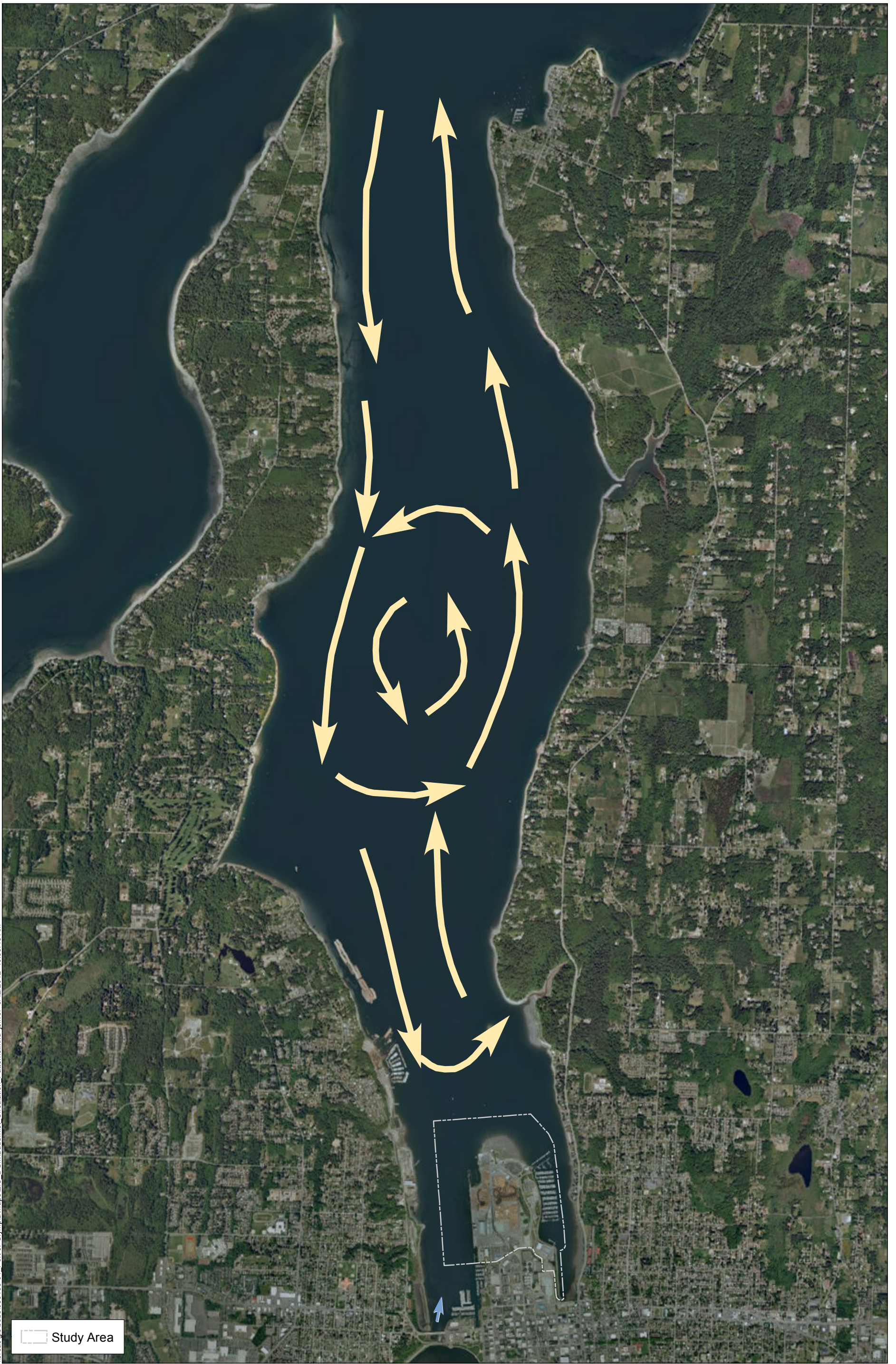


Figure 2-15

Capitol Lake Discharge and Corresponding Salinity and Currents in West Bay (adapted from Figure 3-10 of LOTT, 1998) Draft Existing Information Summary and Data Gaps Memorandum Port of Olympia Budd Inlet Sediment Site

\\orcass\gis\Jobs\080166-01_Port-of-Olympia\Maps\EIS_DGM\BuddInlet_Circulation_Patterns.mxd_joliver 6/12/2012 10:58:45 AM



Study Area

Figure 2-16

Budd Inlet Circulation Pattern

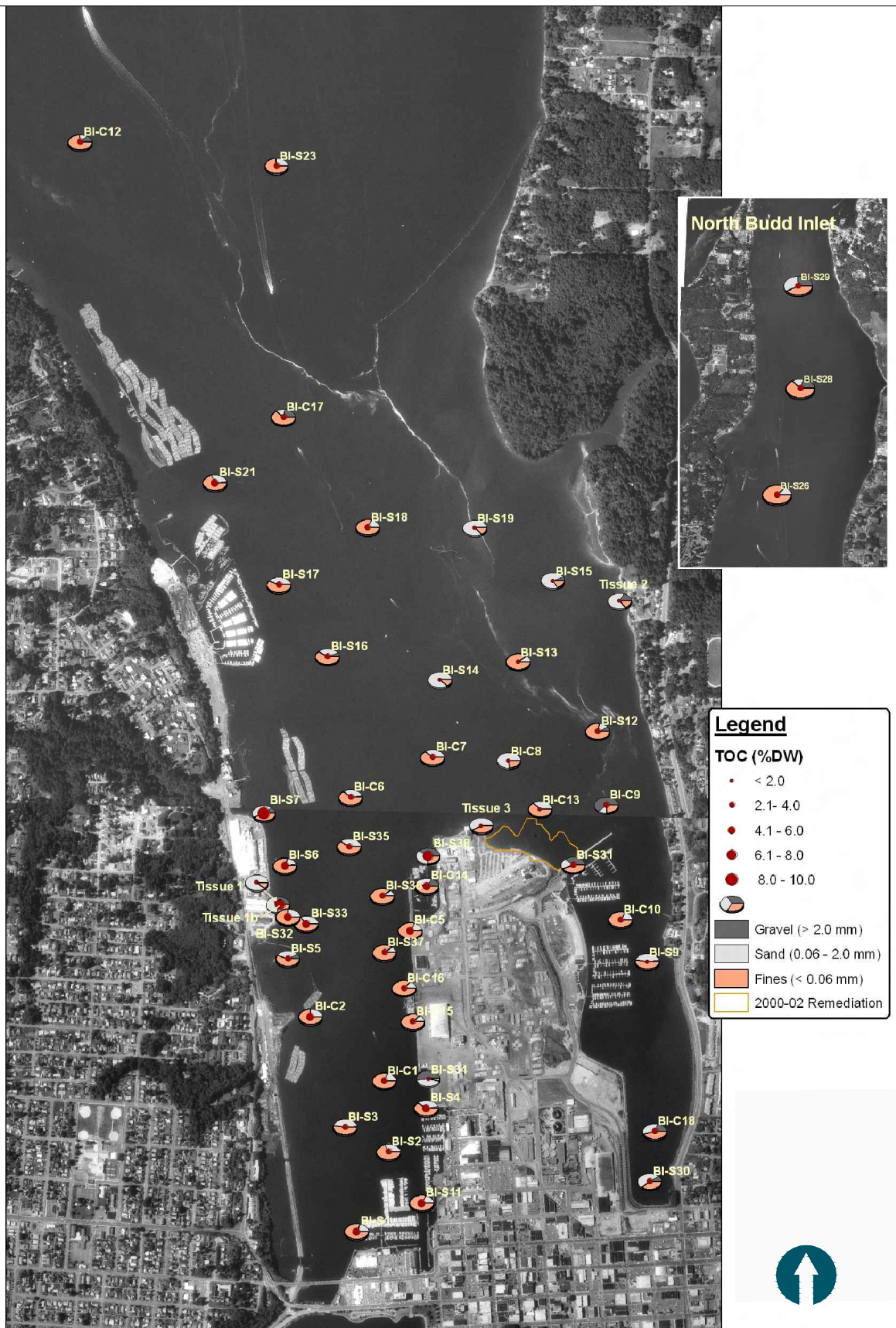


Figure 2-17

Budd Inlet Grain Size and TOC Distribution
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site



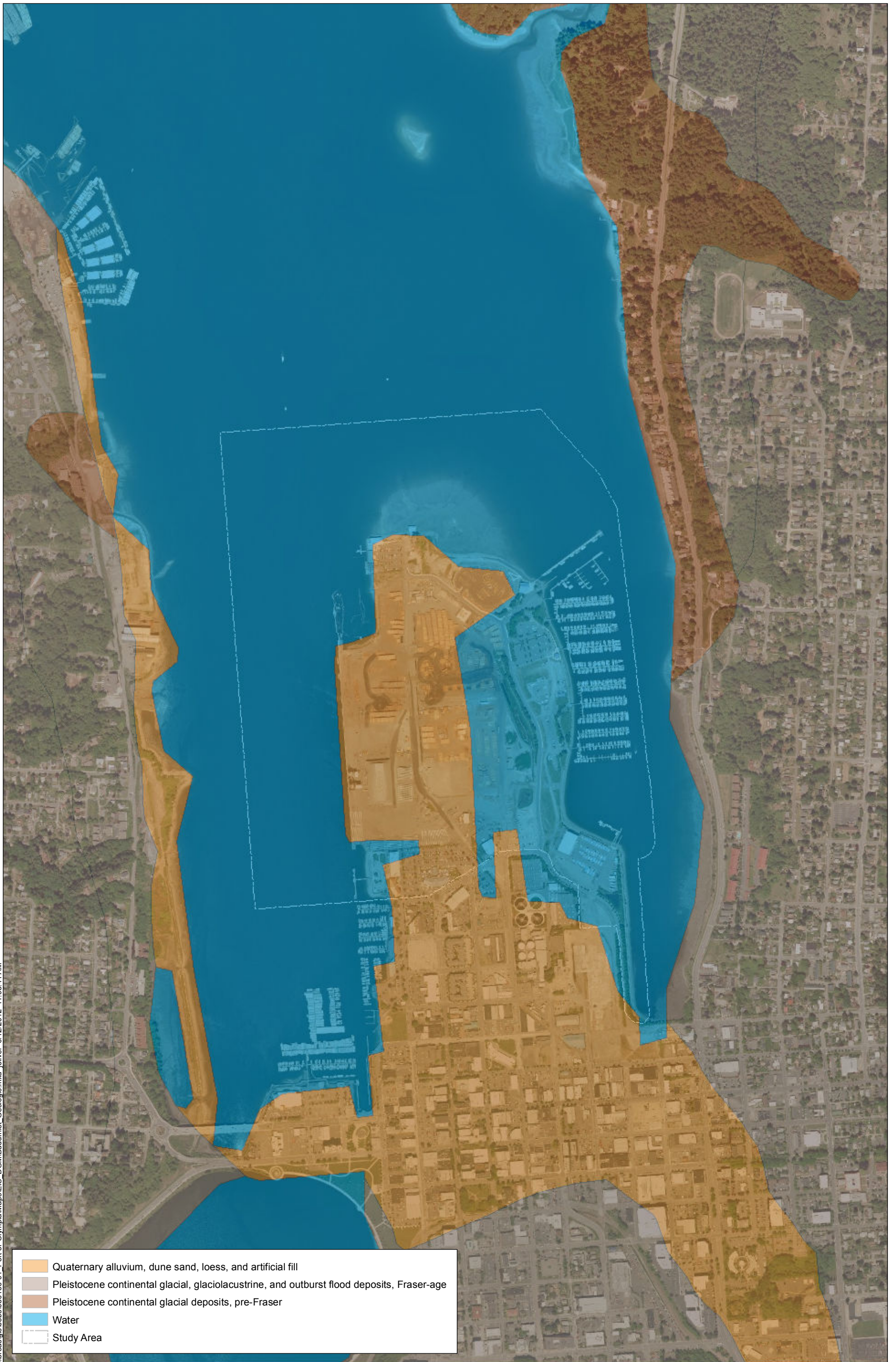


\\nrcas\gis\Jobs\080166-01 Port-of-Olympia\Maps\EIS_DGM\BuddInlet_Net_Sed_Cores.mxd |oliver 6/12/2012 11:30:14 AM

Figure 2-18

Sediment Data Used to Estimate
Net Sedimentation Rates in Budd Inlet
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site

\\orcascgis\Jobs\080166-01_Port-of-Olympia\Maps\EIS_DGM\BuddInlet_Geologic.mxd joliver 6/12/2012 11:03:41 AM



- Quaternary alluvium, dune sand, loess, and artificial fill
- Pleistocene continental glacial, glaciolacustrine, and outburst flood deposits, Fraser-age
- Pleistocene continental glacial deposits, pre-Fraser
- Water
- Study Area

NOTE:
Geology layer from Washington State Department of Natural Resources, effective date 06/2010.

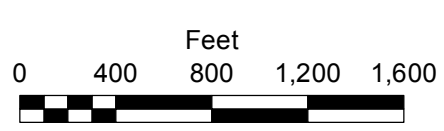
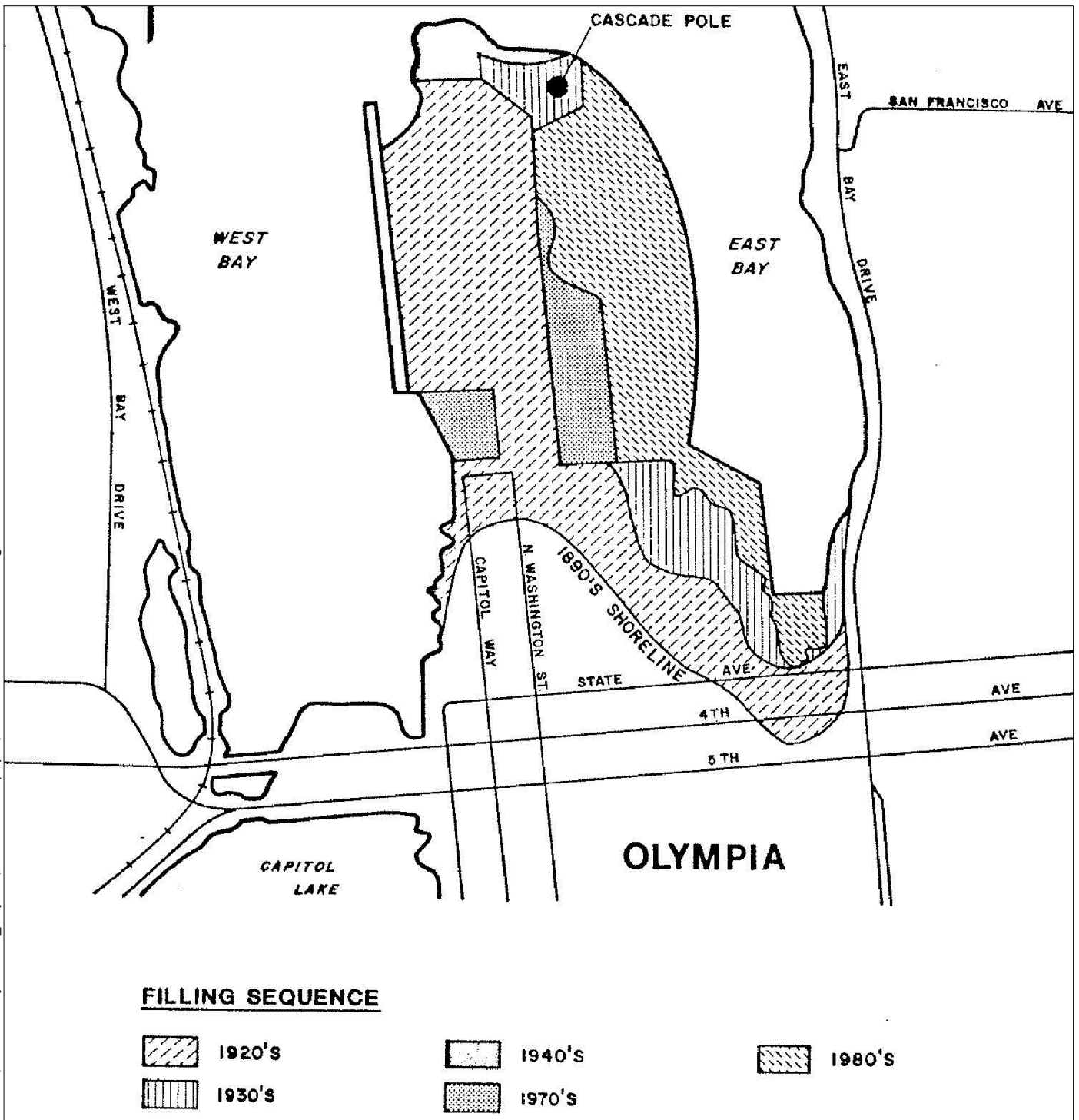


Figure 2-19
Geologic Conditions
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site

L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-006-FILL-HISTORY.dwg FIG-2-20



SOURCE: AGI 1986

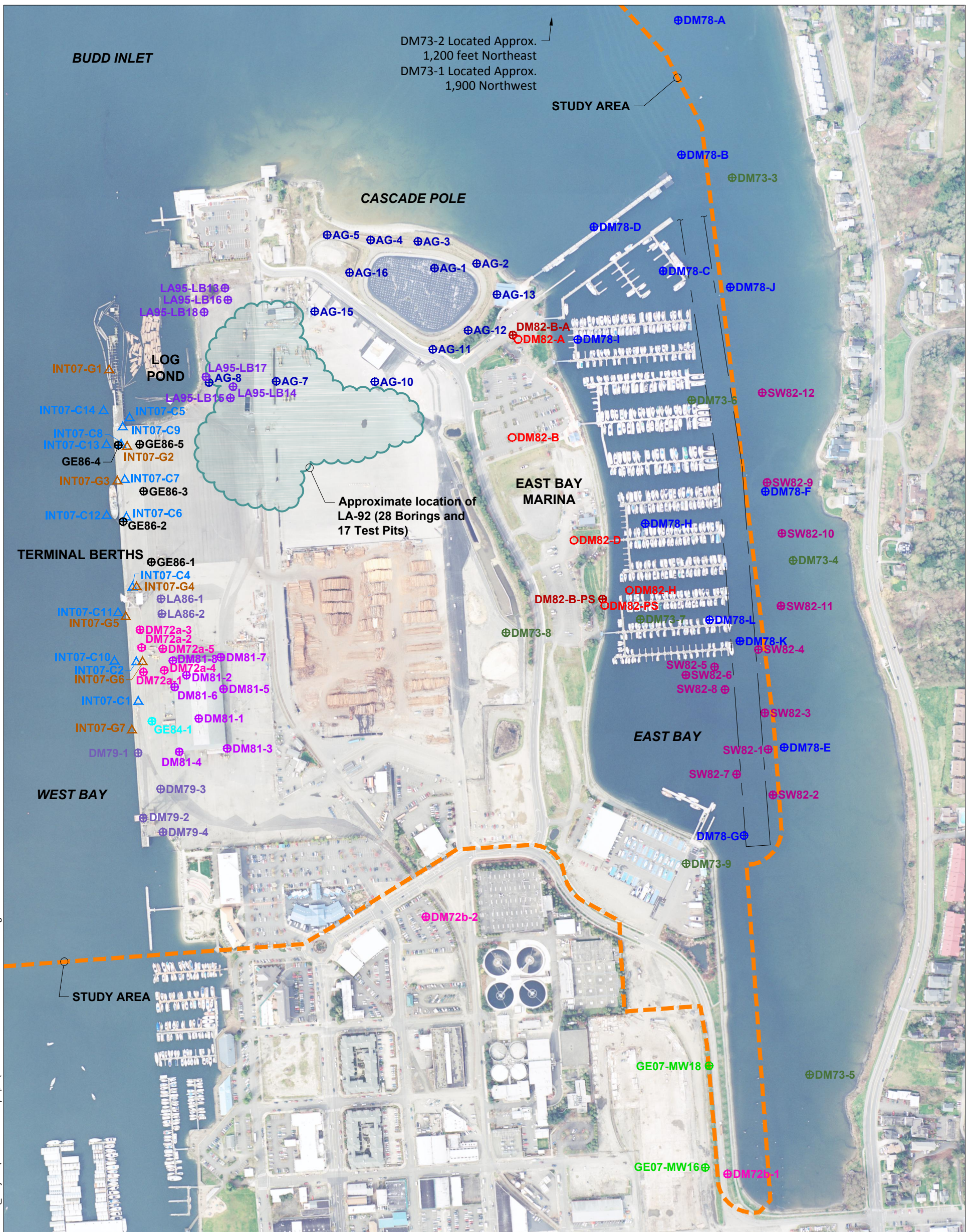


Jun 12, 2012 9:27am ghowell

Figure 2-20
Fill History

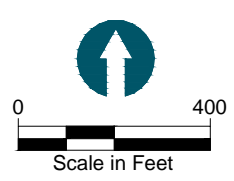


L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-023-GEO-HISTORIC-CORES.dwg FIG 2-21
 Jun 12, 2012 10:59am ghowell



LEGEND:

Borings			
DM72a-1 ⊕ Dames and Moore, 1972	DM82-B-A ⊕ Dames and Moore, 1982	Landau & Associates, 1992 (28 Borings and 17 Test Pits)	
DM72b-1 ⊕ Dames and Moore, 1972	SW82-7 ⊕ Shannon & Wilson, 1982	Dutch Cone	
DM73-4 ⊕ Dames and Moore, 1973	GE84-1 ⊕ GeoEngineers, 1984	DM82-PS ⊕ Dames and Moore, 1982	
DM78-E ⊕ Dames and Moore, 1978	GE07-MW16 ⊕ GeoEngineers, 2007	Geotechnical Vibracore	
DM79-1 ⊕ Dames and Moore, 1979	GE86-3 ⊕ GeoEngineers, 1986	INT07-G1 △ Integral, 2007	
DM81-3 ⊕ Dames and Moore, 1981	LA86-2 ⊕ Landau & Associates, 1986	Sediment Vibracore	
	LA95-LB13 ⊕ Landau & Associates, 1995	INT07-C12 △ Integral, 2007	
	AG-10 ⊕ Applied Geotechnology, 1986		

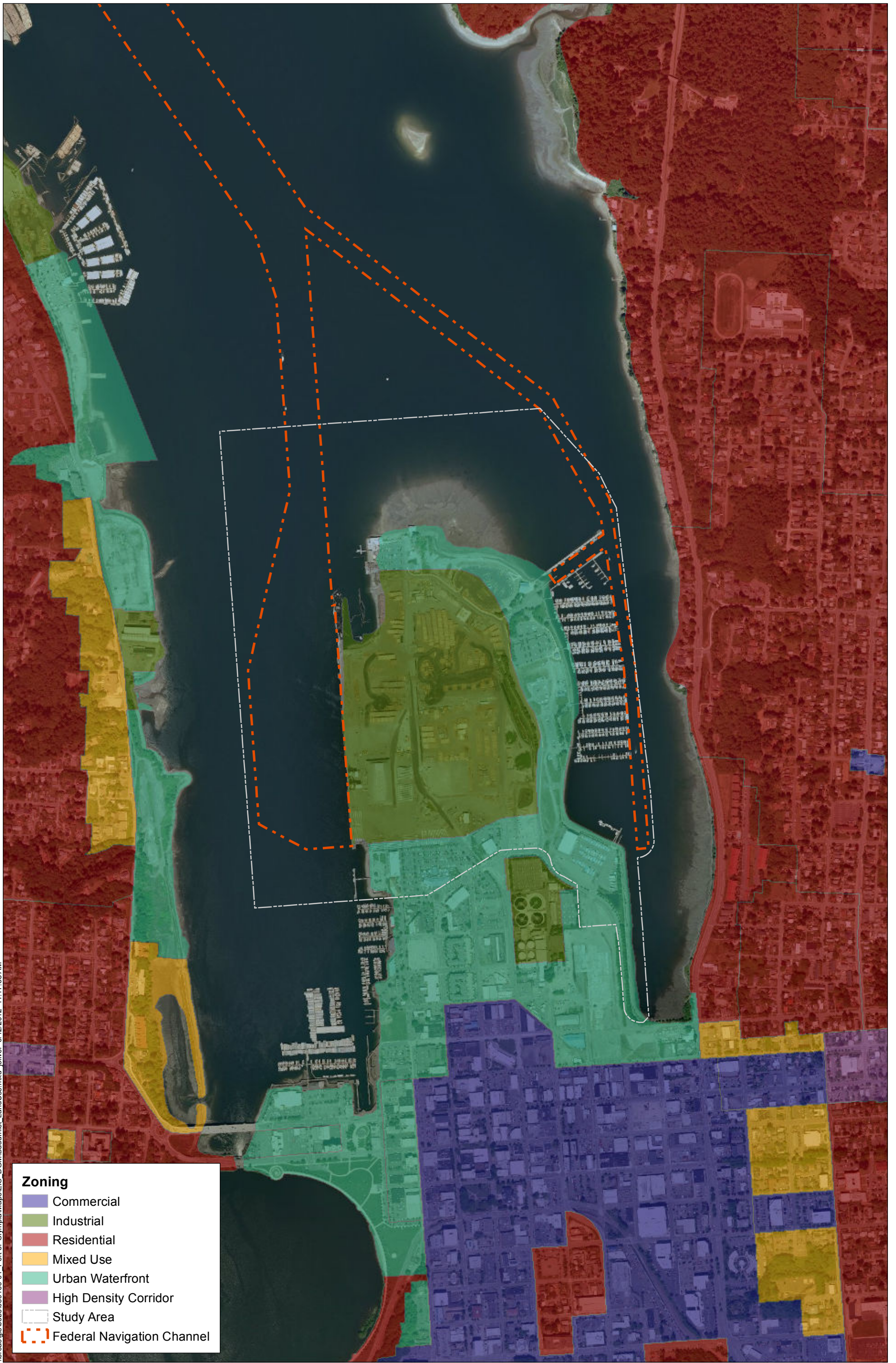


NOTE:
 Exploration locations are approximate.

Figure 2-21
 Geotechnical Sample Locations
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site



\\orcass\gis\Jobs\080166-01 Port-of-Olympia\Maps\EIS_DGM\BuddInlet_LandUse.mxd joliver 6/12/2012 11:17:58 AM



NOTE:
Land use zoning from Thurston County base layers, effective date 04/14/2010.

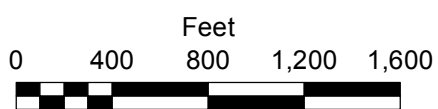
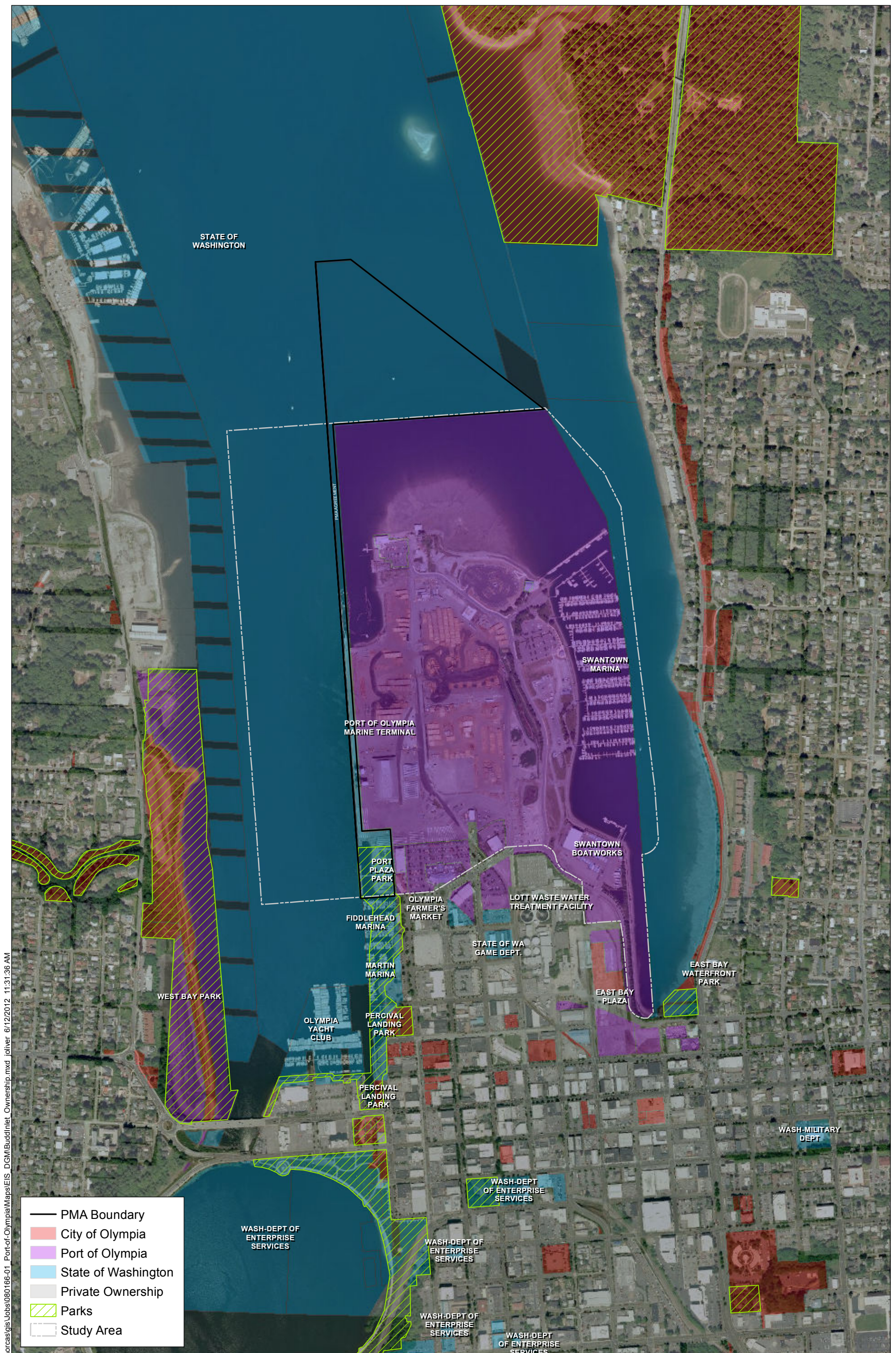


Figure 2-22

Zoning and Land Use

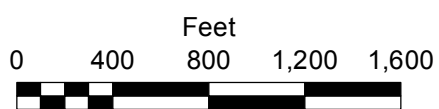


\norcas\gis\Jobs\080166-01 Port-of-Olympia\Maps\EIS DGM\BuddInlet_Ownership.mxd |oliver 6/12/2012 11:31:36 AM

Figure 2-23

Upland and Aquatic Ownership

Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site





L:\AutoCAD Project Files\Projects\Port of Olympia\0166-RP-020-REMEDIAL-ACTIONS.dwg FIG 3-1



Jun 12, 2012 11:22am ghowell

SOURCE: Aerial image from Bing Maps.
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

LEGEND:

-  Conceptual Study Area Boundary
-  Areas Addressed Under Previous Agreements with Ecology

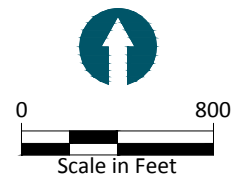
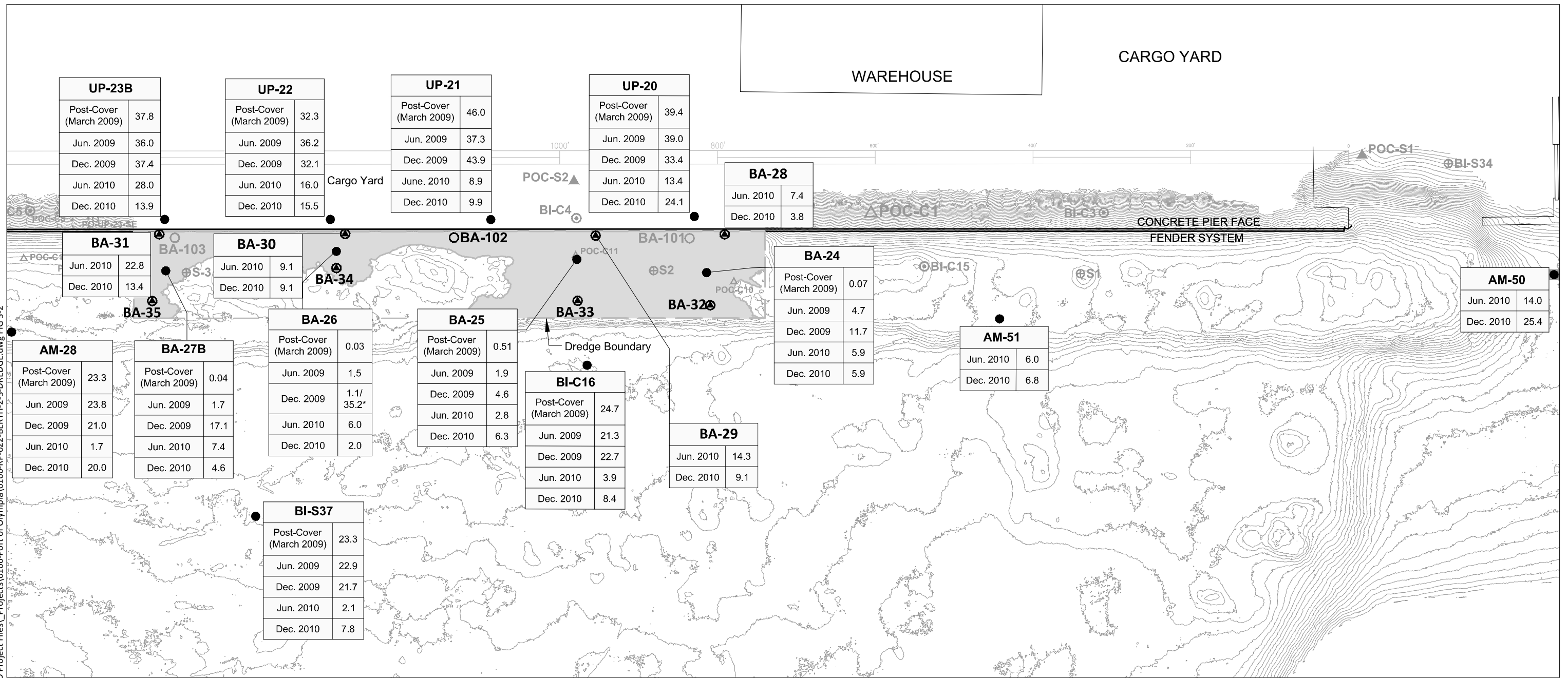


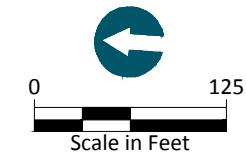
Figure 3-1
 Overview of Remedial Actions in the Study Area
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-022-BERTH-2-3-DREDGE.dwg FIG 3-2
Jun 12, 2012 11:23am ghowell



LEGEND:

- Dredged Area
- BA-27** ● Required Sediment Grab Location
- BA-31** ⊕ Supplemental Surface Sediment Location
- BA-103** ○ 2010 Subsurface Core Location
- S4** ⊕ Core Sample - DMMP 2006
- BI-C4** ⊕ Core Sample - Ecology 2007
- POC-S2** ▲ Surface Sample - Port 2007
- POC-S5** △ Core Sample - Port 2007
- PO-UP-22-SE** ○ Core Sample - Port 2008
- PO-BA-27-SE** ● Core Sample - Port 2008



HORIZONTAL DATUM: Horizontal datum is Washington State Plane - South Zone (NAD 83(91)), U.S. survey feet.

VERTICAL DATUM: Vertical datum is Mean Lower Low Water (MLLW).

- NOTES:**
1. Bathymetric survey provided by eTrac, dated December 14, 2010.
 2. Contour interval is 1 foot.
 3. * Field Duplicate.
 4. Data are Total Dioxin/Furan TEQ 2005 (Mammal) (U=0) in ng/kg.
 5. Surface sediment is 0 - 10 cm.



Figure 3-2
Berth 2 and 3 Post Dredge Pilot Study Results
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site

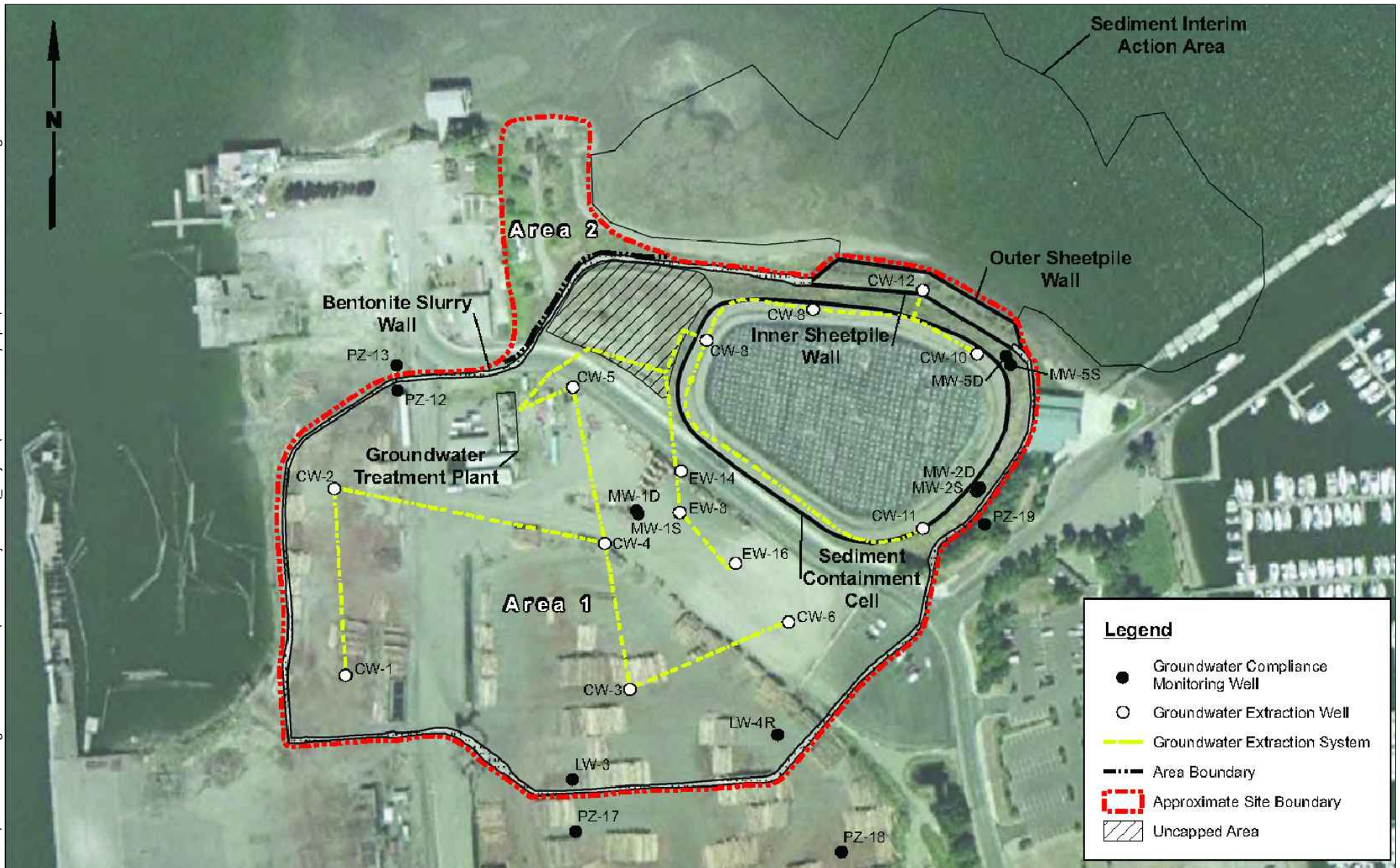
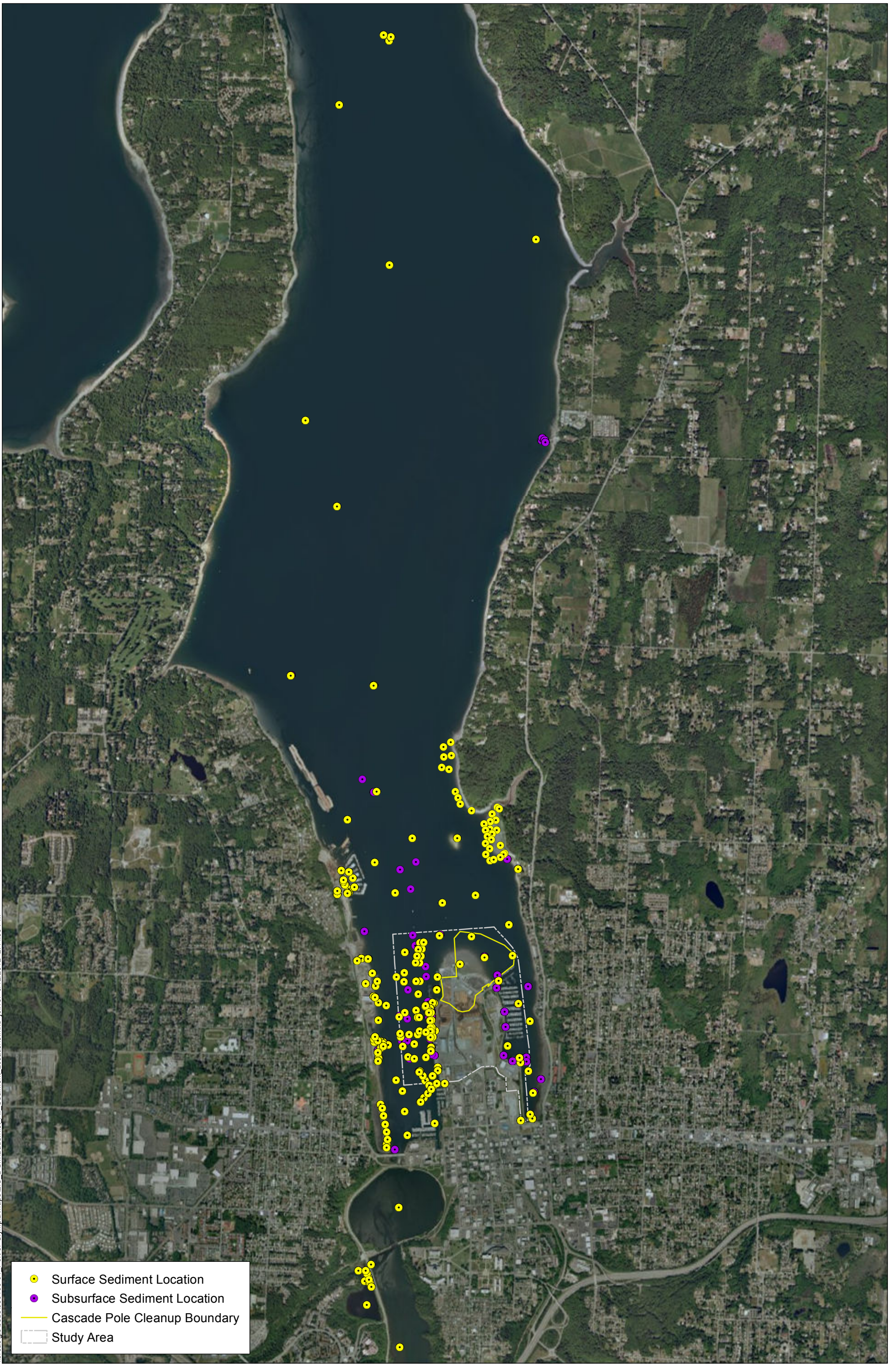


Figure 3-3
 Cascade Pole Interim Action
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

\\orcascgis\Jobs\080166-01_Port-of-Olympia\Maps\EIS_DGM\BuddInlet_All_Sediment_Locations.mxd joliver 6/12/2012 2:44:56 PM



- Surface Sediment Location
- Subsurface Sediment Location
- Cascade Pole Cleanup Boundary
- - - Study Area

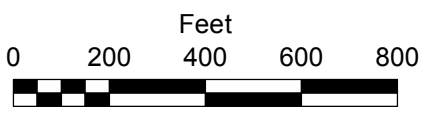
Figure 3-4
Overview of Sediment Sample Locations Collected
Throughout Budd Inlet
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site



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- Surface Sediment Location
- Subsurface Sediment Location
- Study Area

Figure 3-5
 Overview of Sediment Sample Locations Collected
 Within the Study Area
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site



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Surface Sediment Sample Location

- Dioxin
- Dioxin and SMS
- Study Area
- Cascade Pole Cleanup Boundary

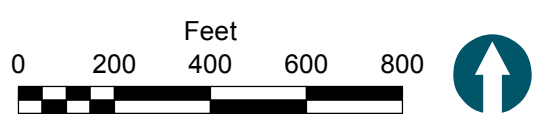
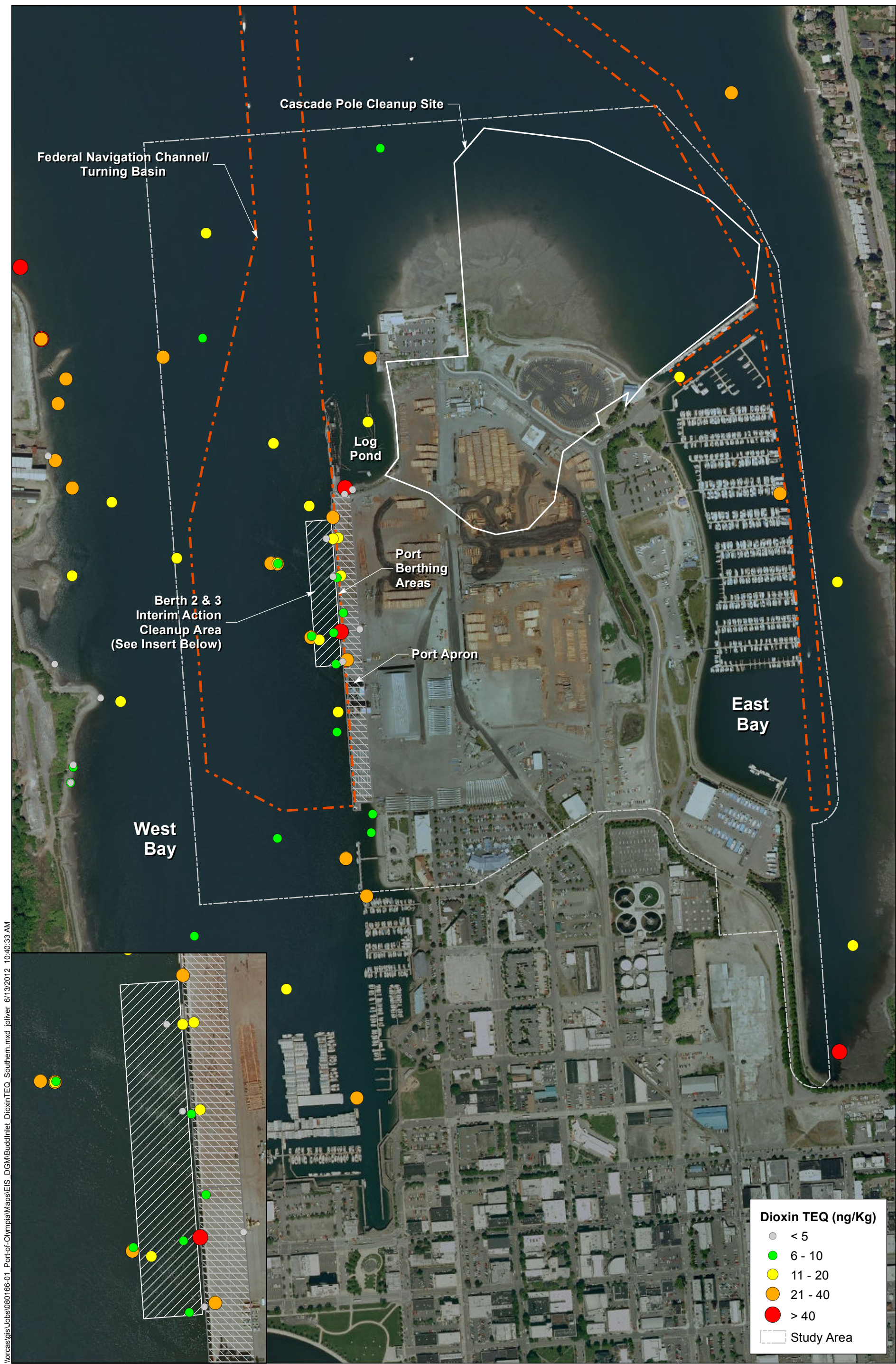


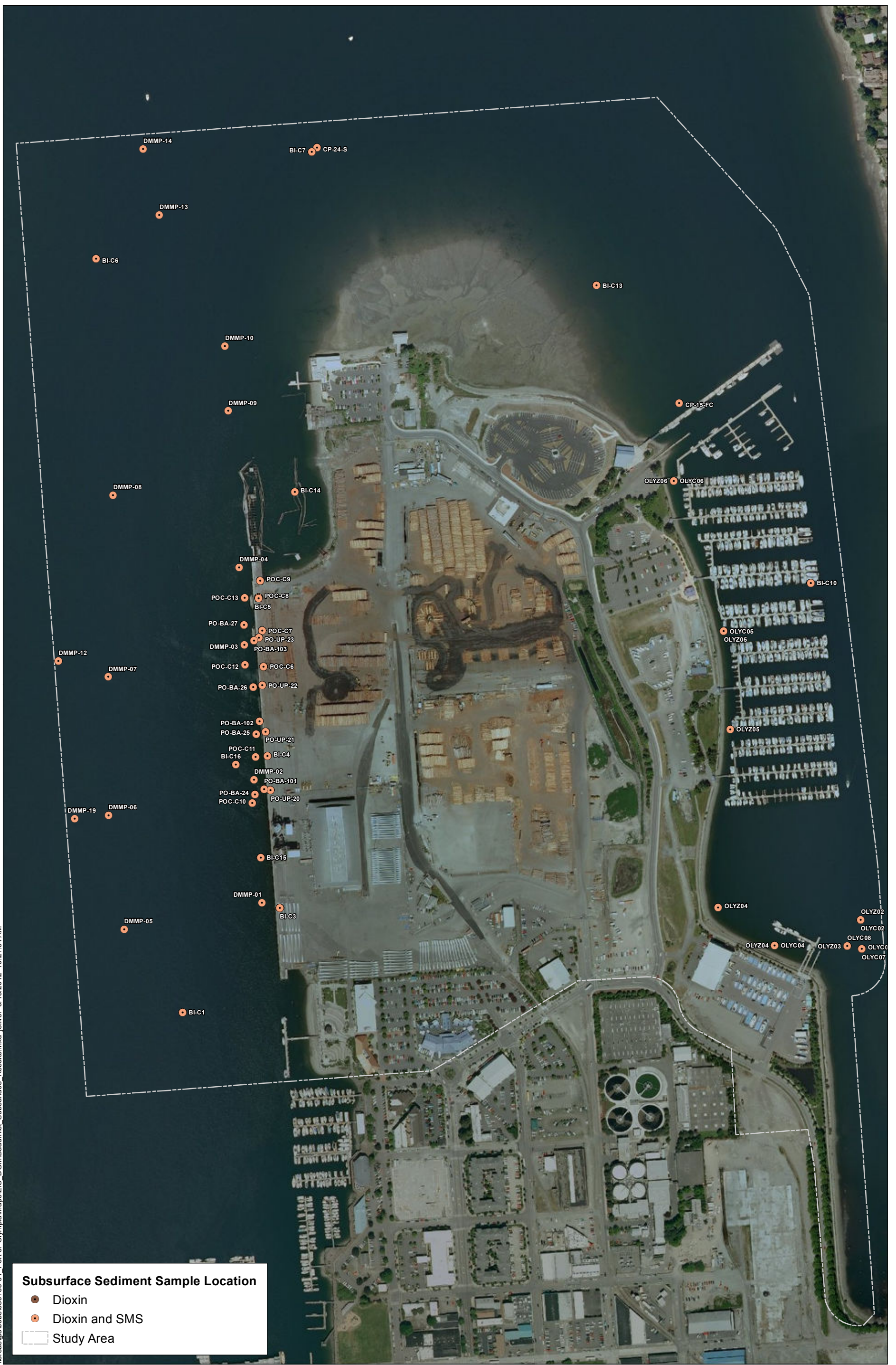
Figure 3-6
Surface Sediment Locations in the Study Area
with Dioxin and SMS Results
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site



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Figure 3-7
 Surface Sediment Dioxin TEQ Results in the Study Area
 and the Southern Portion of Budd Inlet
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

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Subsurface Sediment Sample Location
● Dioxin
● Dioxin and SMS
Study Area

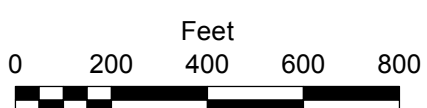
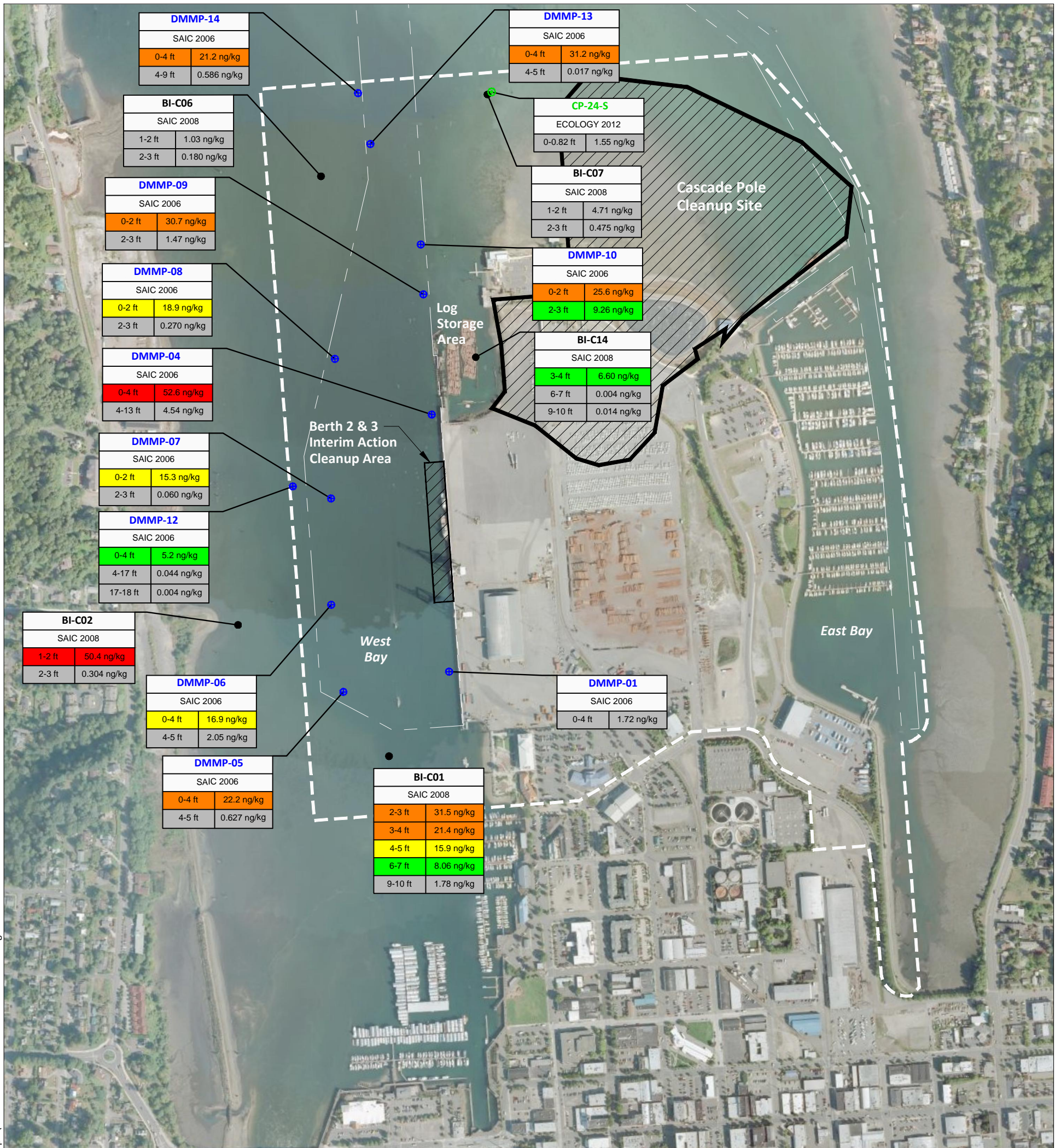


Figure 3-8
Subsurface Sediment Locations in the Study Area
with Dioxin and SMS Results
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site

L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-015-DIOXIN-CONCENTRATIONS.dwg FIG 3-9
Jun 12, 2012 12:08pm ghowell



REFERENCES:

- Anchor QEA, 2010. 15-Month Monitoring Results for Berth 2 and 3 Interim Cleanup Action Pilot Study. Prepared for Washington State Department of Ecology. September 2010.
- Integral Consulting, Inc., 2007. Draft Data Summary Report West Bay Sediment Characterization Study Berths 2 and 3 Interim Action Project. Prepared for Port of Olympia. November 2007.
- SAIC, 2006. Data Report. Olympia Federal Navigation Channel and the Port of Olympia Berthing Area, Olympia, Washington. Prepared for US Army Corps of Engineers, Seattle District. August 2006.
- SAIC, 2008. Sediment Characterization Study Budd Inlet, Olympia, Washington. Prepared for Washington State Department of Ecology. March 2008.
- Ecology (Washington State Department of Ecology), 2012. Environmental Information Management database. Accessed February 2012. Available at: <http://www.ecy.wa.gov/eim>

LEGEND:

Dioxin TEQ (ng/kg)	● Core Location
■ < 5	⊕ Core Sample - DMMP 2006
■ 5 - 10	⊙ Core Sample - Ecology 2012
■ 10 - 20	
■ 20 - 40	
■ > 40	

SOURCE: Aerial photograph dated March 14, 2011.
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

- NOTES:**
1. Data are Total Dioxin/Furan TEQ 2005 (Mammal) (U=0 DL) in ng/kg.
 2. * - Sample is within a dredged area. Depth intervals were calculated based on the new mudline elevation. Data may not be representative of current conditions.
 3. Core intervals and/or core samples that were dredged are not shown.
 4. The higher of the parent or duplicate Dioxin TEQ is reported for samples with field duplicates.

BASEMAP LEGEND:

--- Surface Grab Sample	
- - - Conceptual Study Area Boundary	
▨ Areas Addressed Under Previous Agreements with Ecology	<p>Scale in Feet</p>

Figure 3-9
 Subsurface Sediment Dioxin TEQ Results in the Study Area (Part 1)
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site



L:\Autocad Project Files\Projects\0166-Port of Olympia\0166-RP-015-DIOXIN-CONCENTRATIONS-2.dwg FIG 3-10 Jun 12, 2012 4:02pm ghowell

REFERENCES:

- Anchor QEA, 2010. 15-Month Monitoring Results for Berth 2 and 3 Interim Cleanup Action Pilot Study. Prepared for Washington State Department of Ecology. September 2010.
- Integral Consulting, Inc., 2007. Draft Data Summary Report West Bay Sediment Characterization Study Berths 2 and 3 Interim Action Project. Prepared for Port of Olympia. November 2007.
- SAIC, 2006. Data Report. Olympia Federal Navigation Channel and the Port of Olympia Berthing Area, Olympia, Washington. Prepared for US Army Corps of Engineers, Seattle District. August 2006.
- SAIC, 2008. Sediment Characterization Study Budd Inlet, Olympia, Washington. Prepared for Washington State Department of Ecology. March 2008.

LEGEND:

Dioxin TEQ (ng/kg)

- < 5
- 5 - 10
- 10 - 20
- 20 - 40
- > 40

● Core Location

SOURCE: Aerial photograph dated March 14, 2011.

HORIZONTAL DATUM: Washington State Plane South, NAD83.

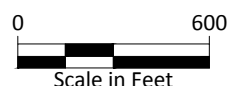
VERTICAL DATUM: Mean Lower Low Water (MLLW).

NOTES:

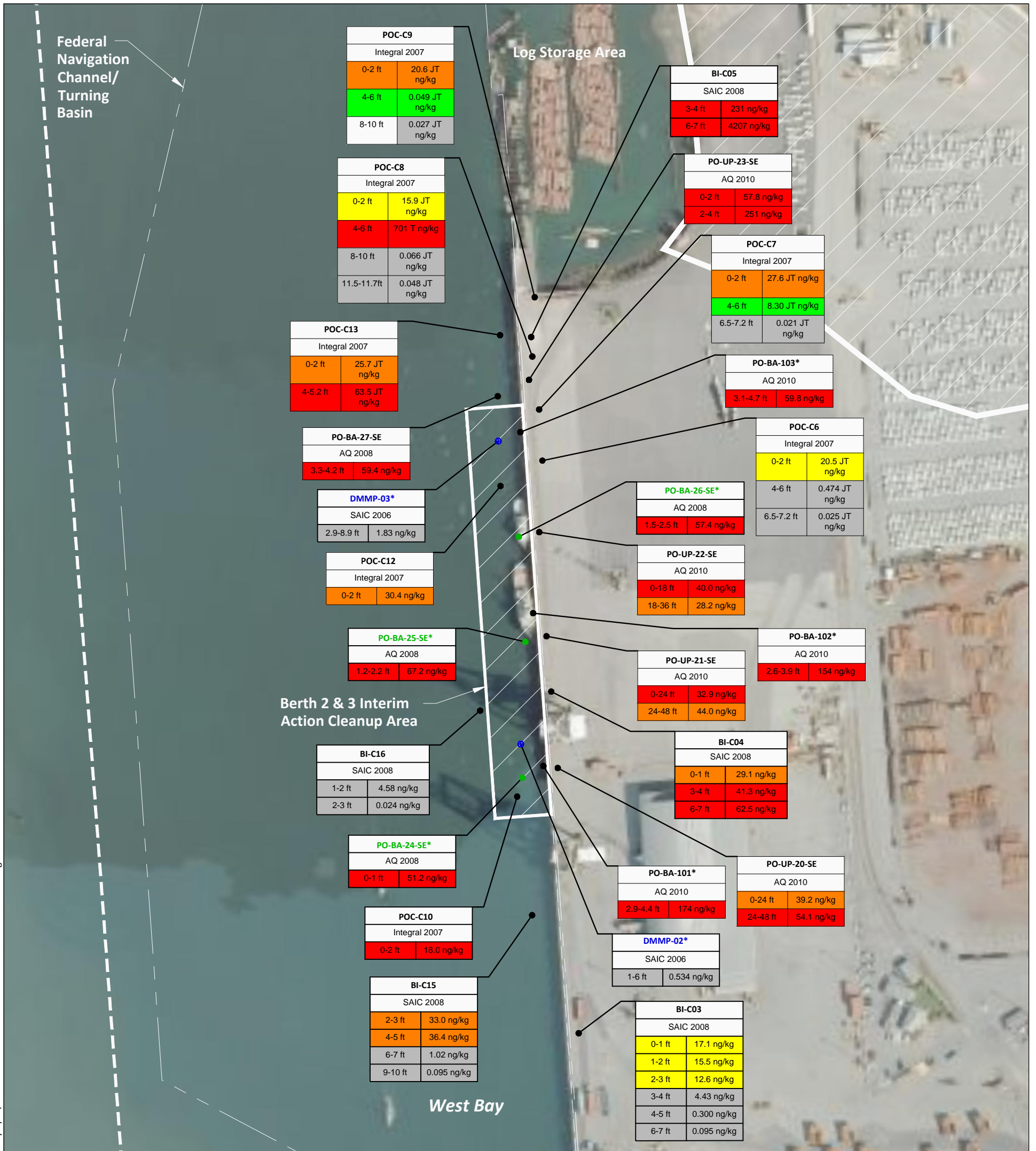
1. Data are Total Dioxin/Furan TEQ 2005 (Mammal) (U=0 DL) in ng/kg.
2. * - Sample is within a dredged area. Depth intervals were calculated based on the new mudline elevation. Data may not be representative of current conditions.
3. Core intervals and/or core samples that were dredged are not shown.
4. The higher of the parent or duplicate Dioxin TEQ is reported for samples with field duplicates.

BASEMAP LEGEND:

- Conceptual Study Area Boundary
- Areas Addressed Under Previous Agreements with Ecology



L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-015-DIOXIN-CONCENTRATIONS-BERTH-AREA.dwg FIG 3-11
Jun 12, 2012 3:54pm ghowell



REFERENCES:
 Anchor QEA, 2010. 15-Month Monitoring Results for Berth 2 and 3 Interim Cleanup Action Pilot Study. Prepared for Washington State Department of Ecology. September 2010.
 Integral Consulting, Inc., 2007. Draft Data Summary Report West Bay Sediment Characterization Study Berths 2 and 3 Interim Action Project. Prepared for Port of Olympia. November 2007.
 SAIC, 2006. Data Report. Olympia Federal Navigation Channel and the Port of Olympia Berthing Area, Olympia, Washington. Prepared for US Army Corps of Engineers, Seattle District. August 2006.
 SAIC, 2008. Sediment Characterization Study Budd Inlet, Olympia, Washington. Prepared for Washington State Department of Ecology. March 2008.

LEGEND:
 Dioxin TEQ (ng/kg)
 < 5
 5 - 10
 10 - 20
 20 - 40
 > 40

● Core Location
 ● Supplemental Core Location - 2008
 ⊕ Core Sample - DMMP 2006

SOURCE: Aerial photograph dated March 14, 2011.
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).
NOTES:

1. Data are Total Dioxin/Furan TEQ 2005 (Mammal) (U=0 DL) in ng/kg.
2. * - Sample is within a dredged area. Depth intervals were calculated based on the new mudline elevation. Data may not be representative of current conditions.
3. Core intervals and/or core samples that were dredged are not shown.
4. The higher of the parent or duplicate Dioxin TEQ is reported for samples with field duplicates.

BASEMAP LEGEND:
 --- Conceptual Study Area Boundary
 Areas Addressed Under Previous Agreements with Ecology

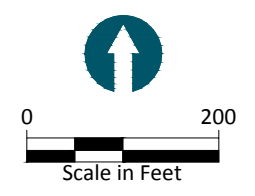


Figure 3-11
 Subsurface Sediment Dioxin TEQ Results in the Study Area (Part 3)
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site



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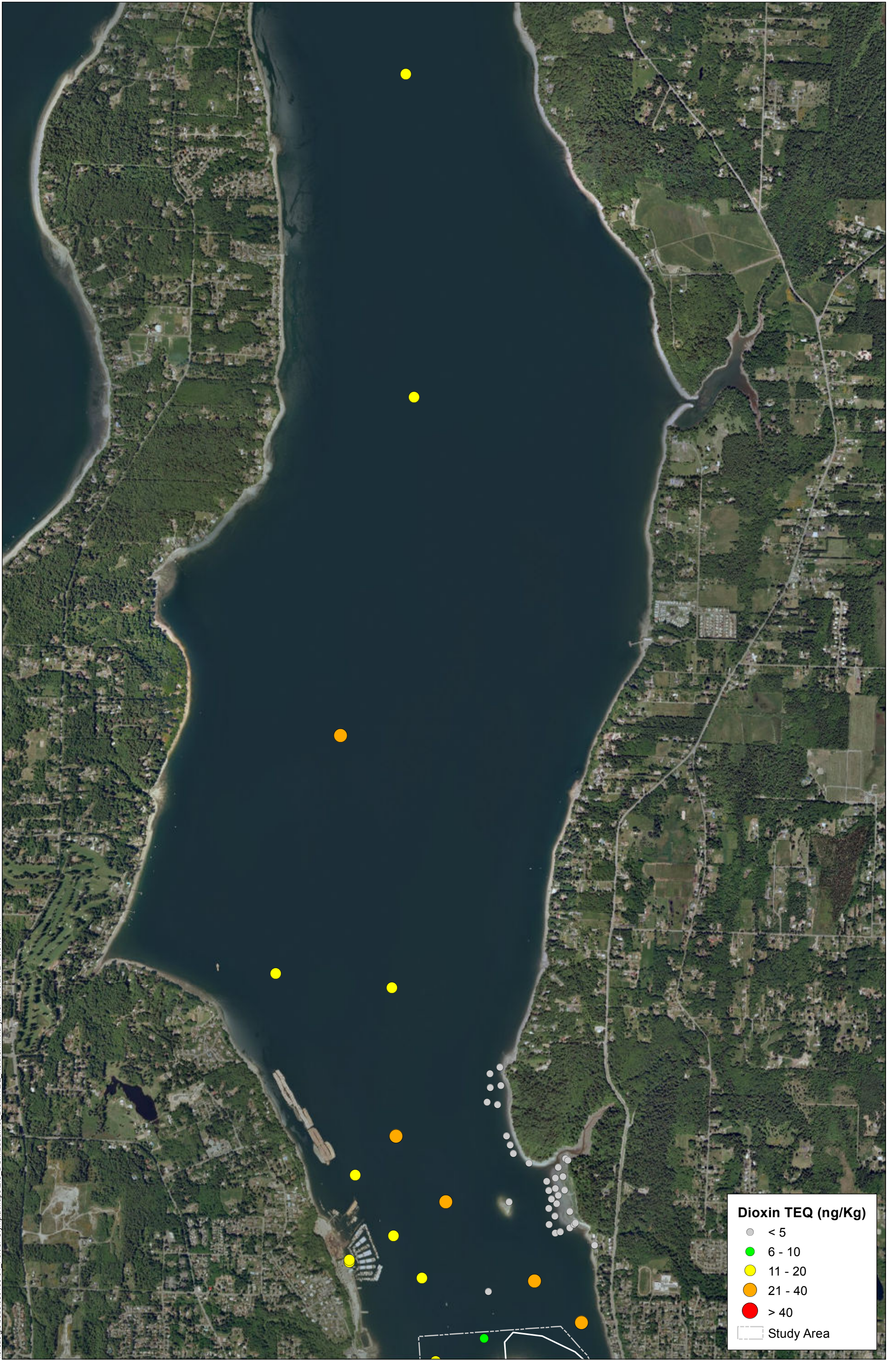


Figure 3-12
Surface Sediment Dioxin TEQ Results in the Study Area
and the Northern Portion of Budd Inlet
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site

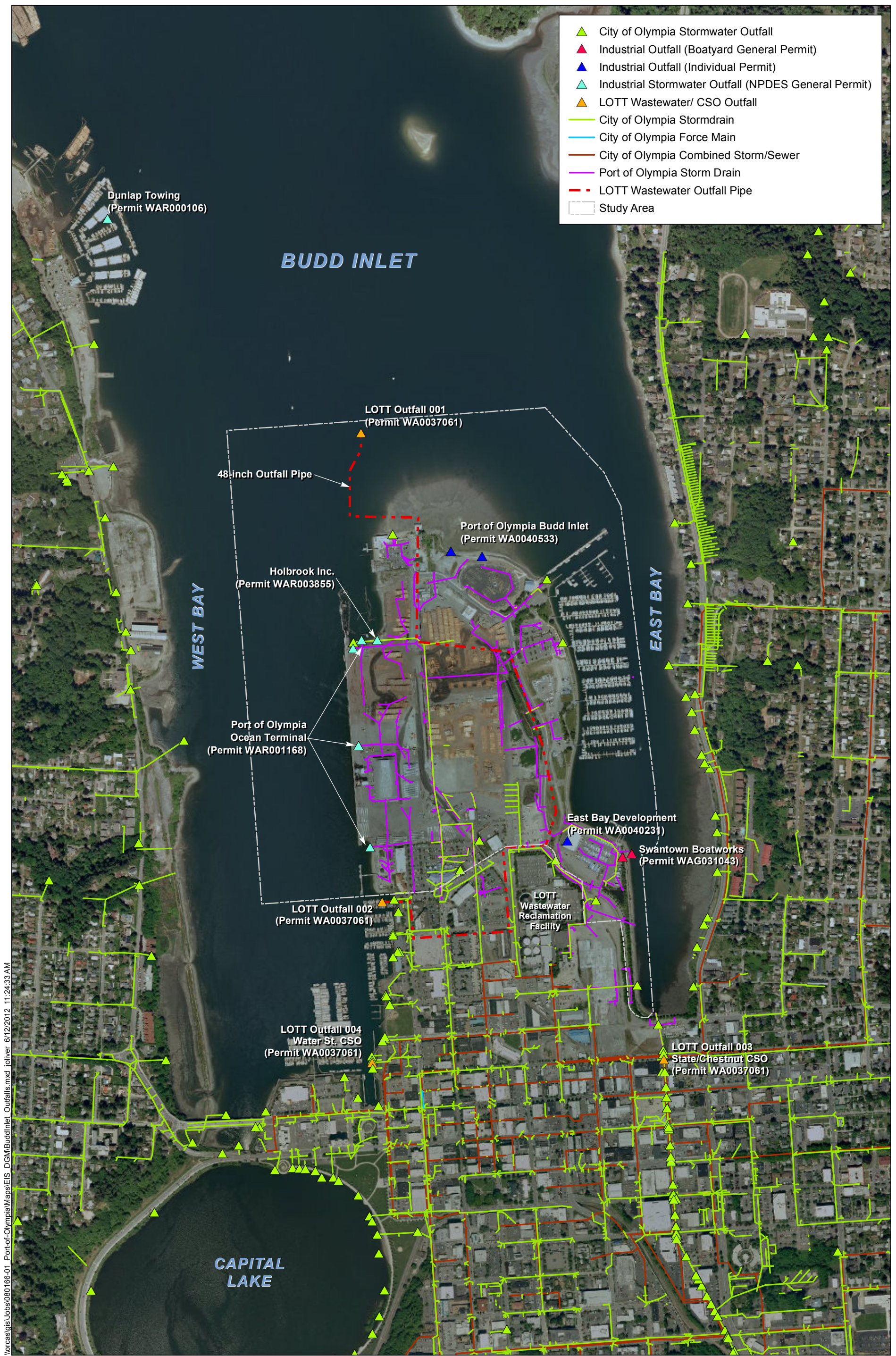
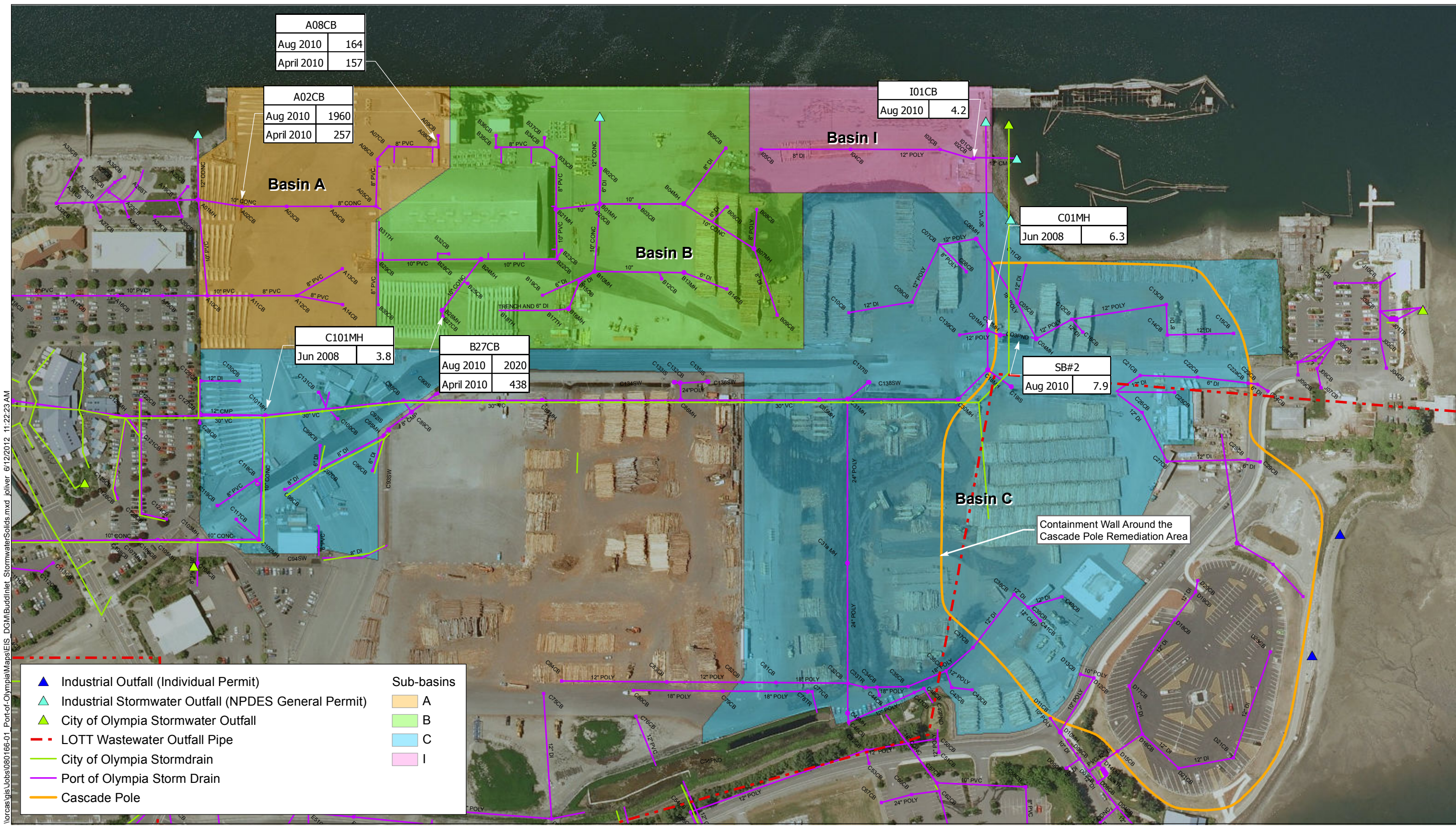


Figure 4-1
 Stormwater and Combined Stormwater Sewer Outfalls
 and Natural Drainage Locations
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site



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Data are total Dioxin/Furan TEQ (Mammal, U=0) in ng/kg. □
 Sample from C01MH was taken out of the storm drain line that drains to outfall C.

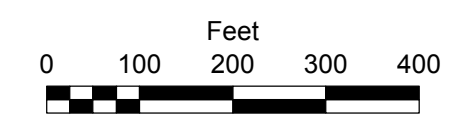


Figure 4-2
 Port of Olympia Stormwater Solids Dioxin/Furan Concentrations
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site



SOURCE: Aerial image from ESRI data.
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

SITE KEY:

- 1 - General Petroleum Corp. (current Percival Landing Site - VCP)
- 2 - Shell/Union Oil (current Percival Landing Site - VCP)
- 3 - Gravel/Coal Bunkers
- 4 - Washington Veneer Co. (Later Georgia Pacific/ Simpson Log Co.)
- 5 - Sloan Shipyard
- 6 - Richfield Oil Company (Approximate Location)
- 7 - Olympia Oil Products (Approximate Location)
- 8 - The Texas Co. - Bulk Petro (Approximate Location)
- 9 - City Dump
- 10 - Hyak Lumber Co.

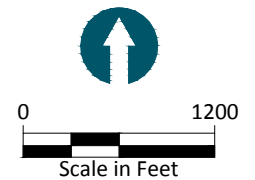


Figure 4-3

Other Potential Historic Source Sites
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site



Figure 4-4

Groundwater Well Locations in the Study Area
Draft Existing Information Summary and Data Gaps Memorandum
Port of Olympia Budd Inlet Sediment Site

L:\AutoCAD Project Files\Projects\0166-Port of Olympia\0166-RP-013-BURNERS-SITES.dwg FIG-4-5



Jun 12, 2012 12:32pm ghowell

SOURCE: Aerial image from ESRI data.
HORIZONTAL DATUM: Washington State Plane South, NAD83.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

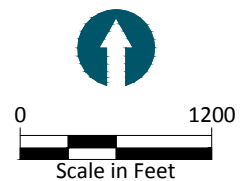


Figure 4-5

Locations of Hog Fuel Burner or Designated Wood Waste Fire Areas
 Draft Existing Information Summary and Data Gaps Memorandum
 Port of Olympia Budd Inlet Sediment Site

