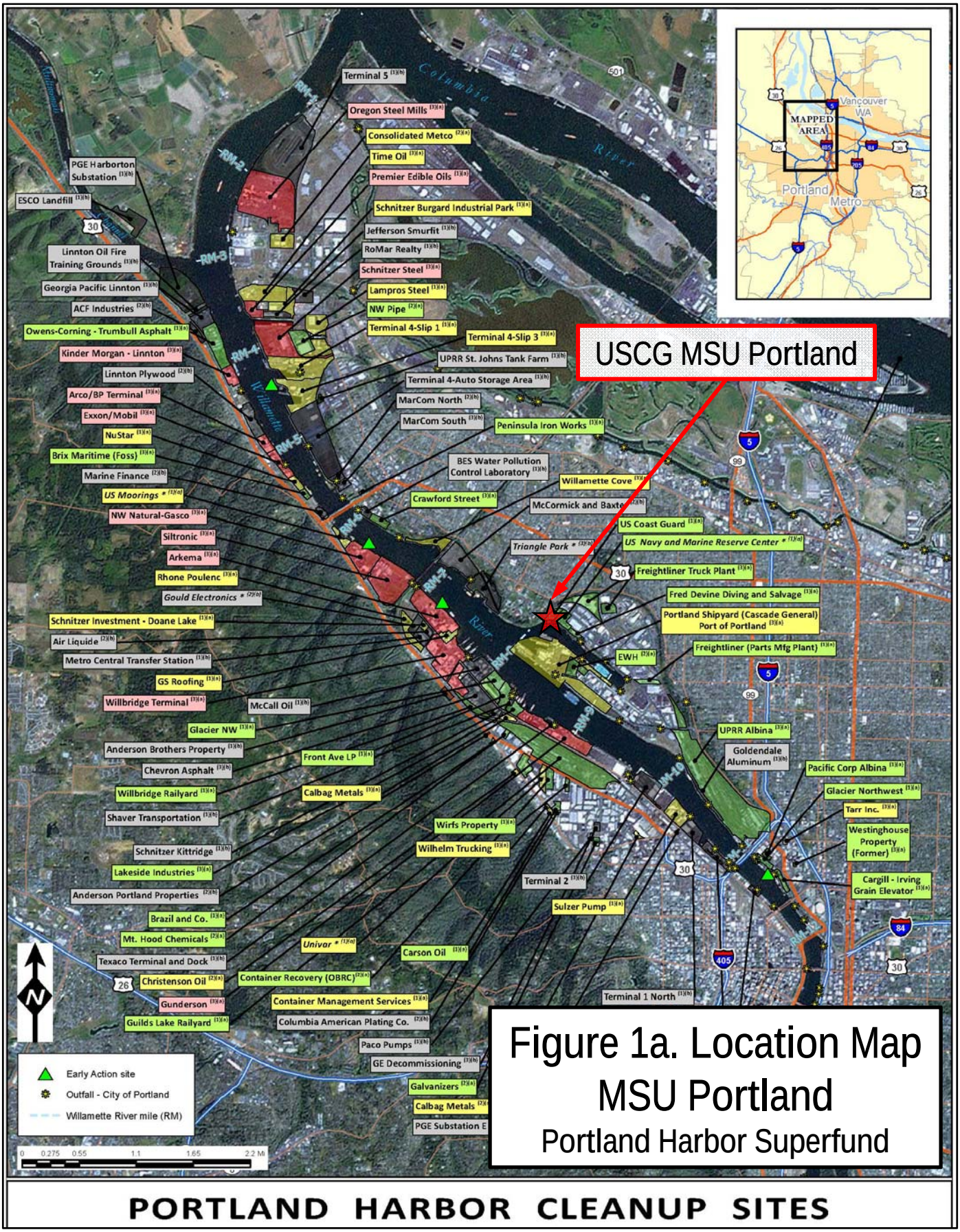

Figure 1a. Location Map
MSU Portland
Portland Harbor Superfund

Source Map: Oregon DEQ (2014). The USCG MSU Portland facility is a "low" priority upland source control site (green label).

Figure 1b. Location Map
MSU Portland
USGS Topographic Map

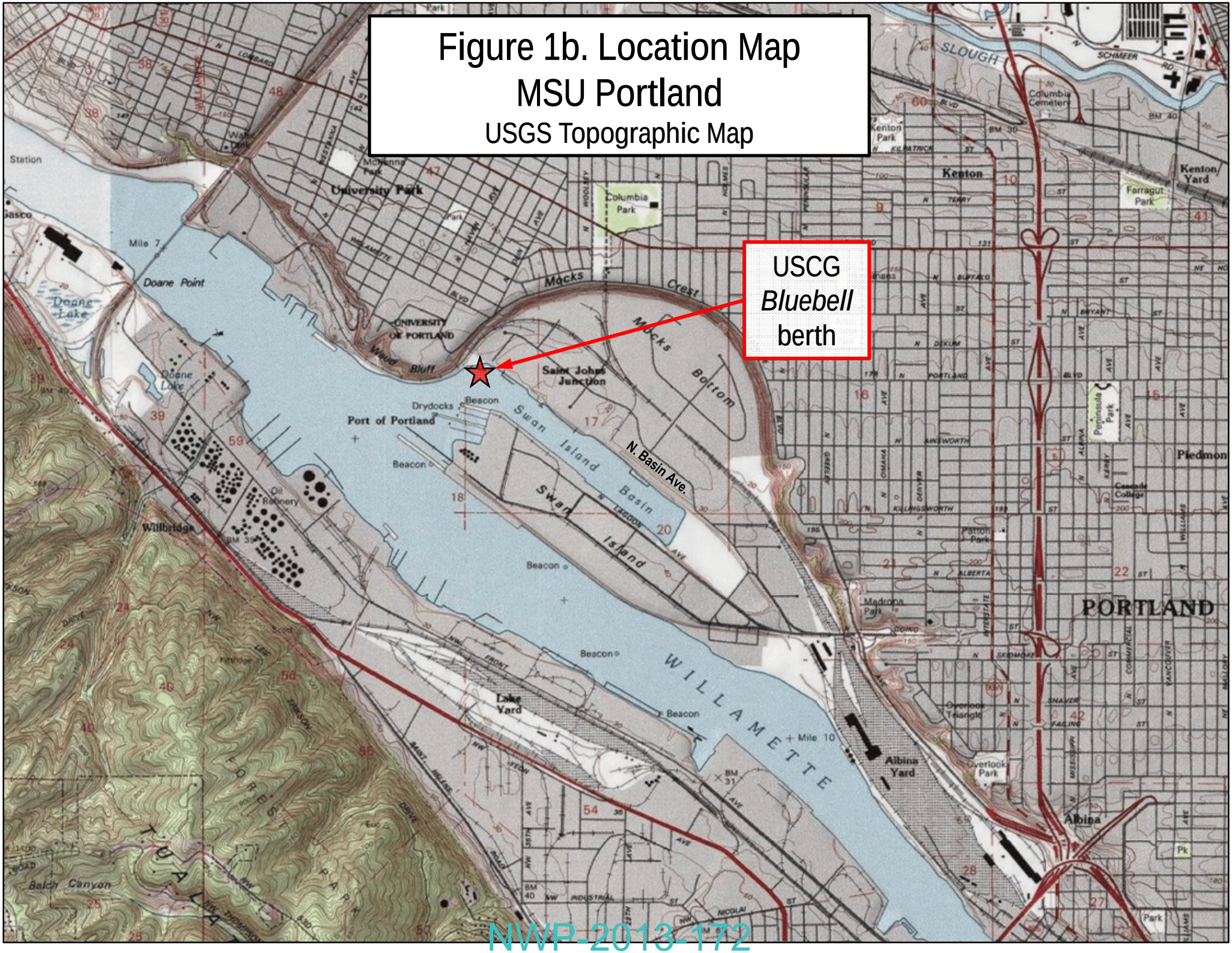

Figure 1c. Location Map
MSU Portland
14 July 2012 Aerial Photograph (Google Earth)

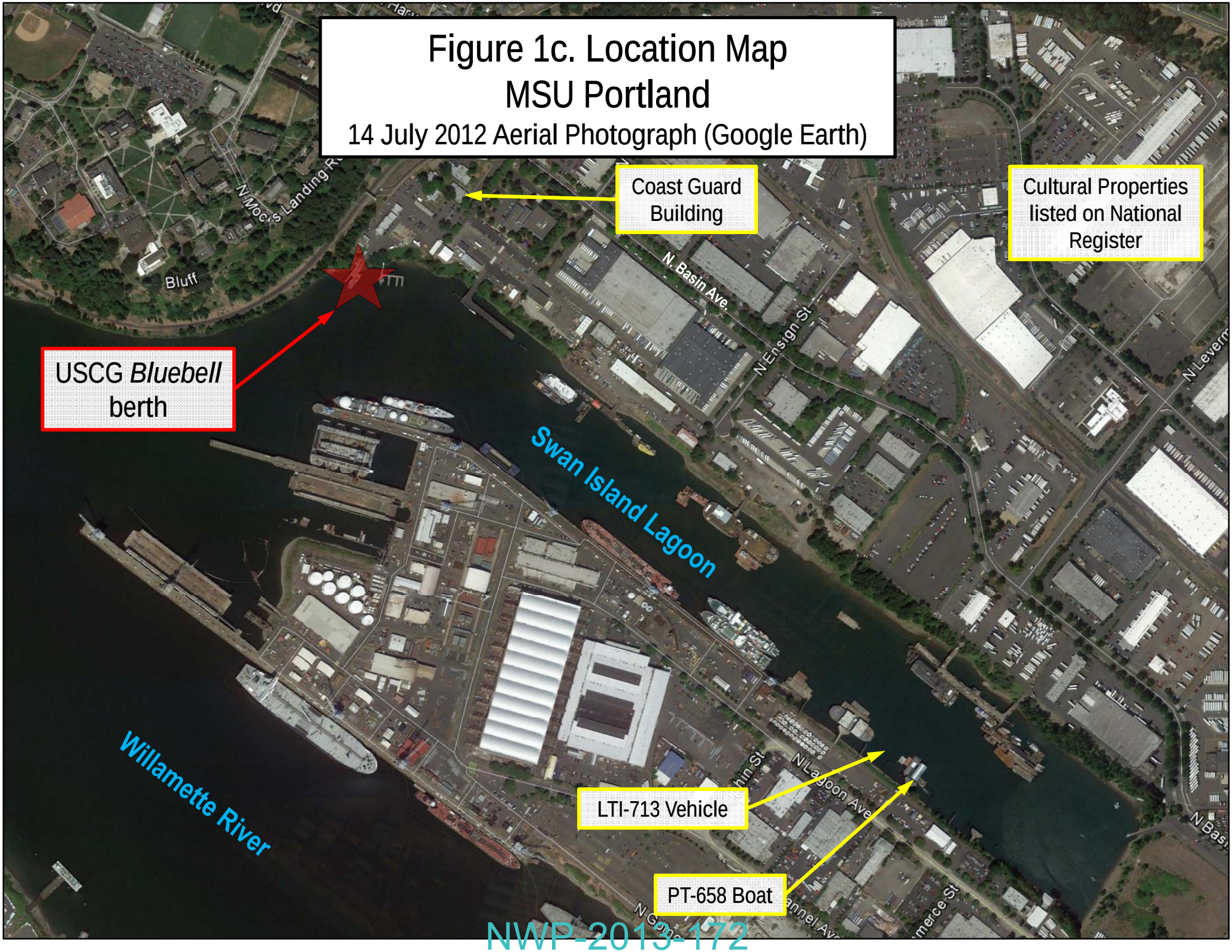

Figure 1d. Location Map – Morgan Bar Placement Area

14 July 2014 Aerial Photograph (Google Earth)

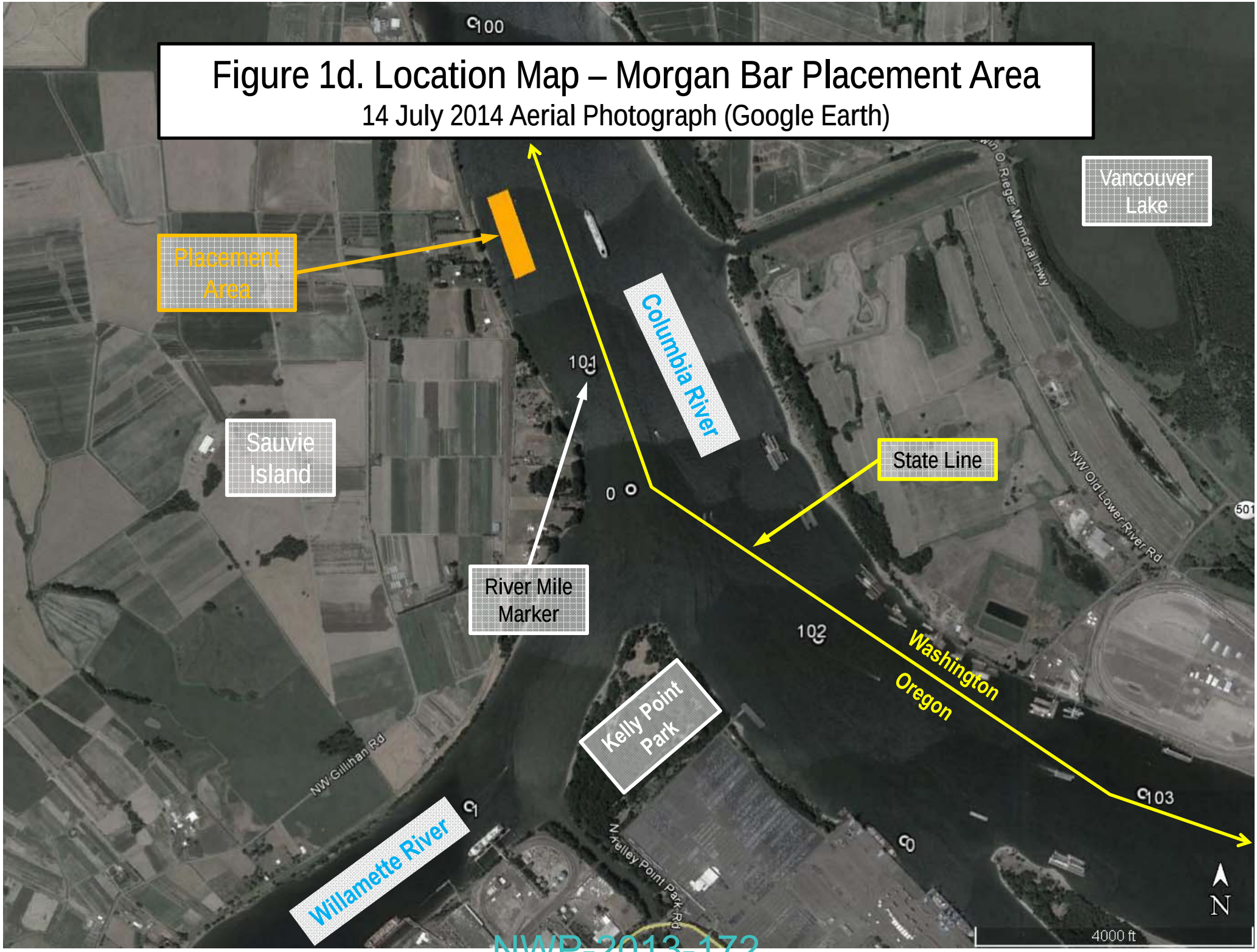

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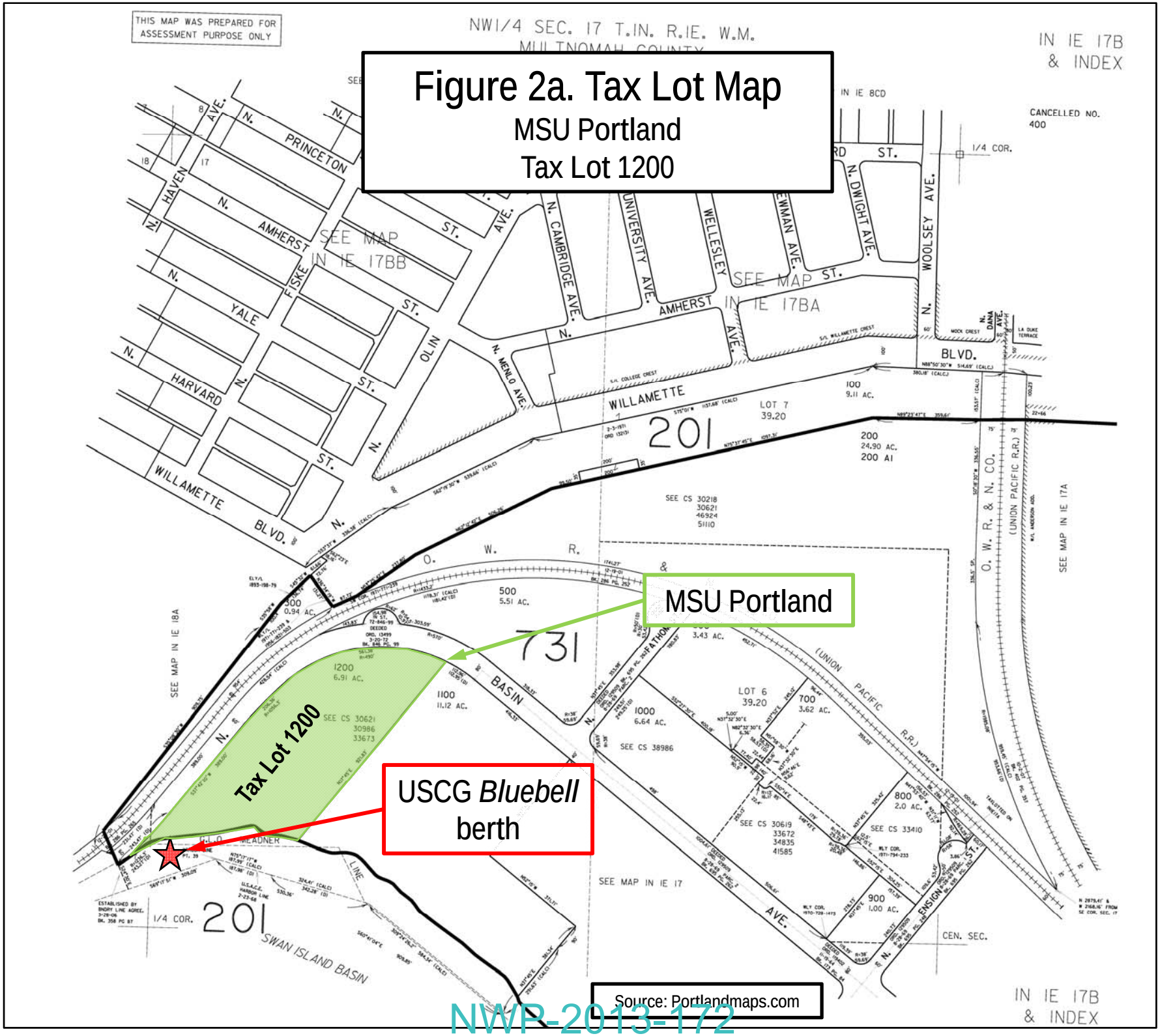
Figure 2a. Tax Lot Map

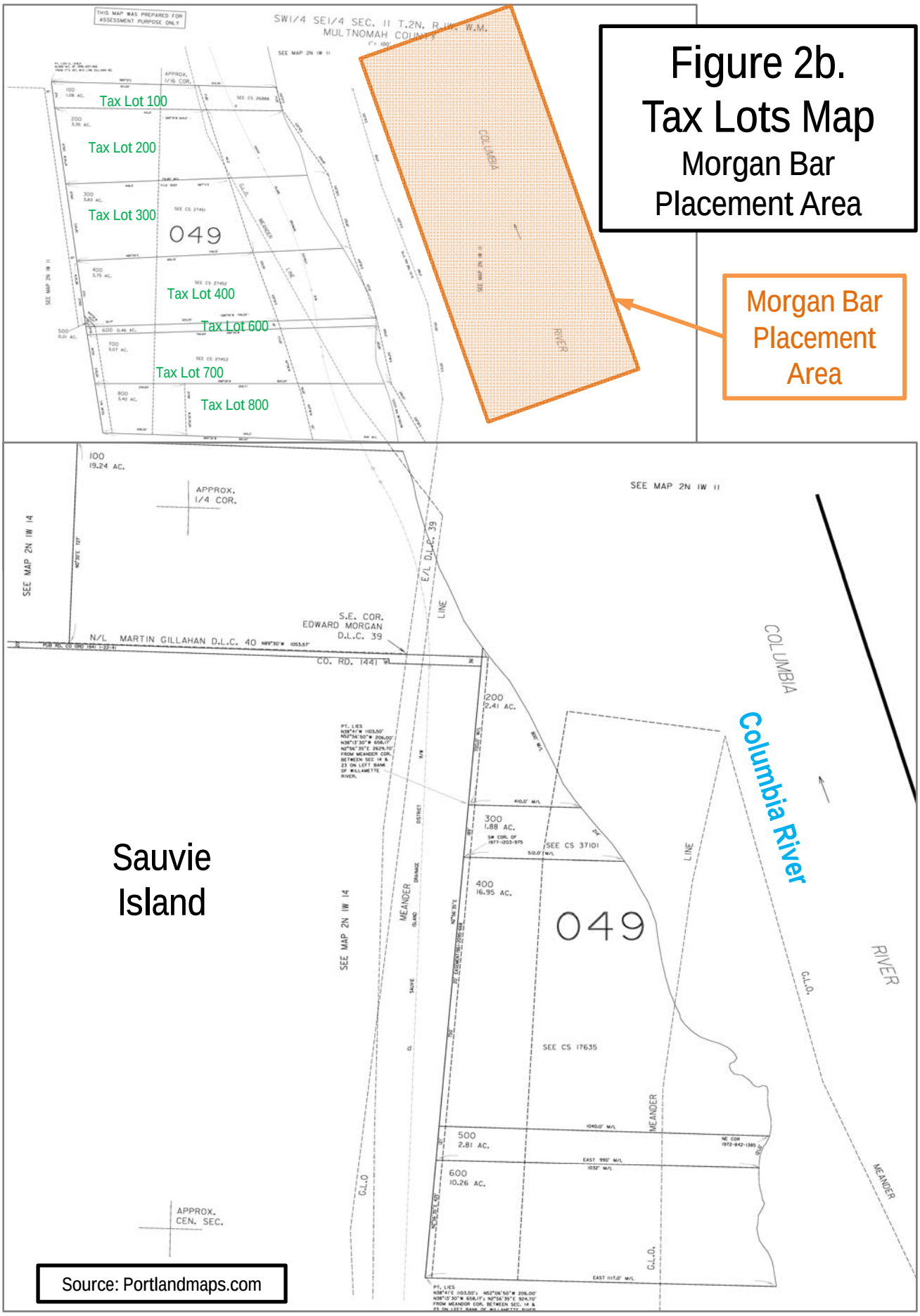
MSU Portland

Tax Lot 1200



Source: Portlandmaps.com

Figure 2b.
Tax Lots Map
Morgan Bar Placement Area



Source: Portlandmaps.com

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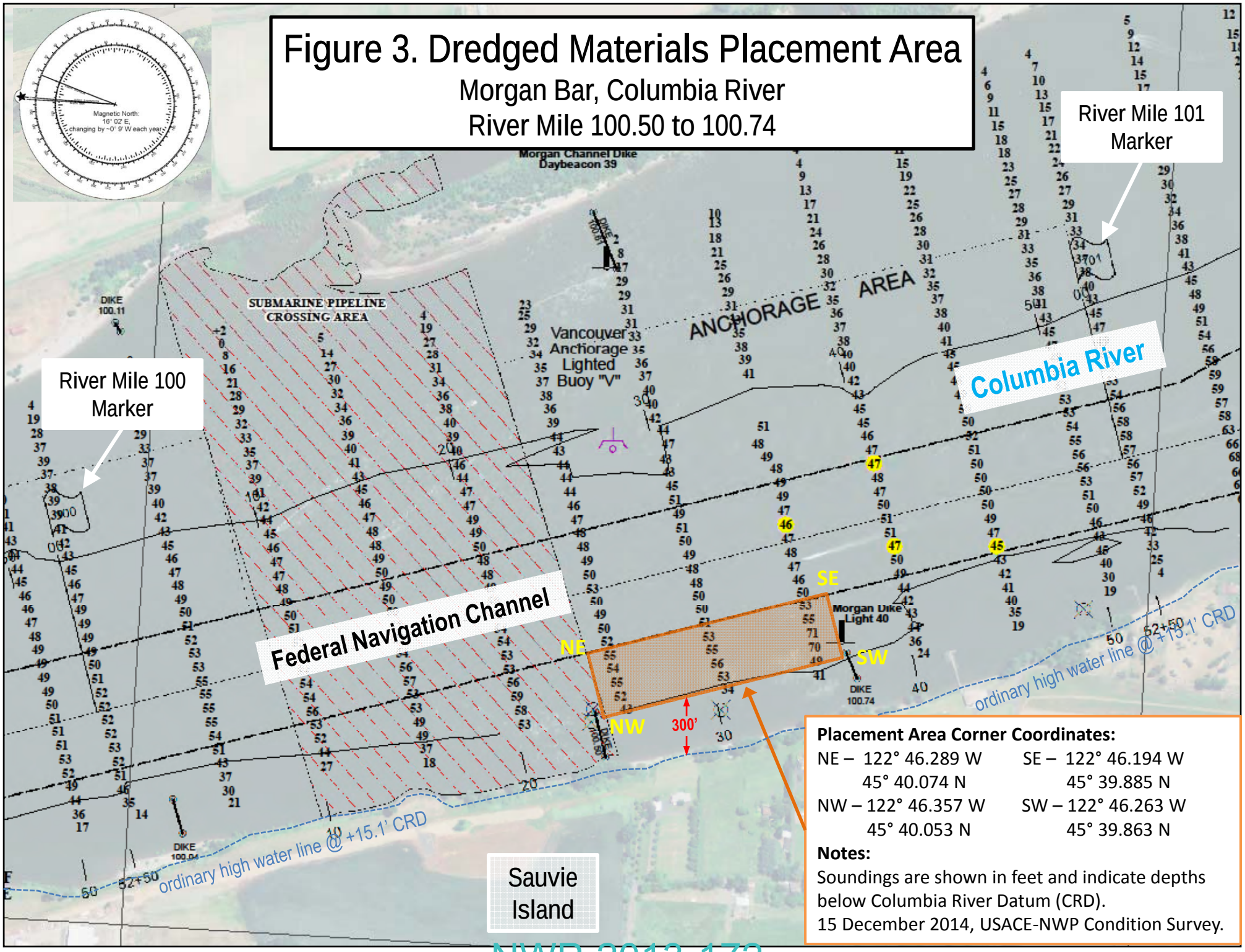
Figure 3. Dredged Materials Placement Area

Morgan Bar, Columbia River

River Mile 100.50 to 100.74



Placement Area Corner Coordinates:

NE – 122° 46.289 W 45° 40.074 N	SE – 122° 46.194 W 45° 39.885 N
NW – 122° 46.357 W 45° 40.053 N	SW – 122° 46.263 W 45° 39.863 N

Notes:

Soundings are shown in feet and indicate depths below Columbia River Datum (CRD).

15 December 2014, USACE-NWP Condition Survey.

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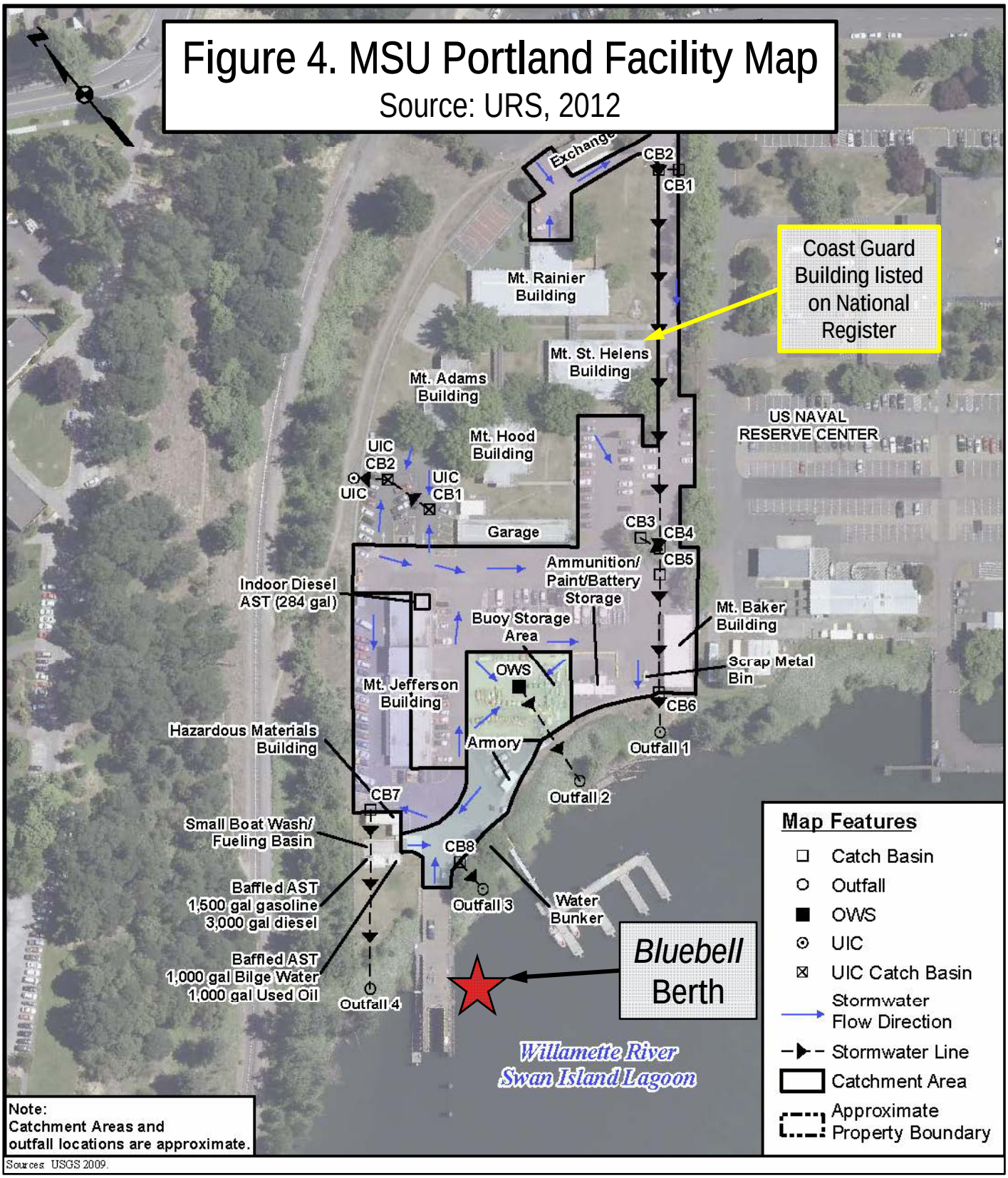
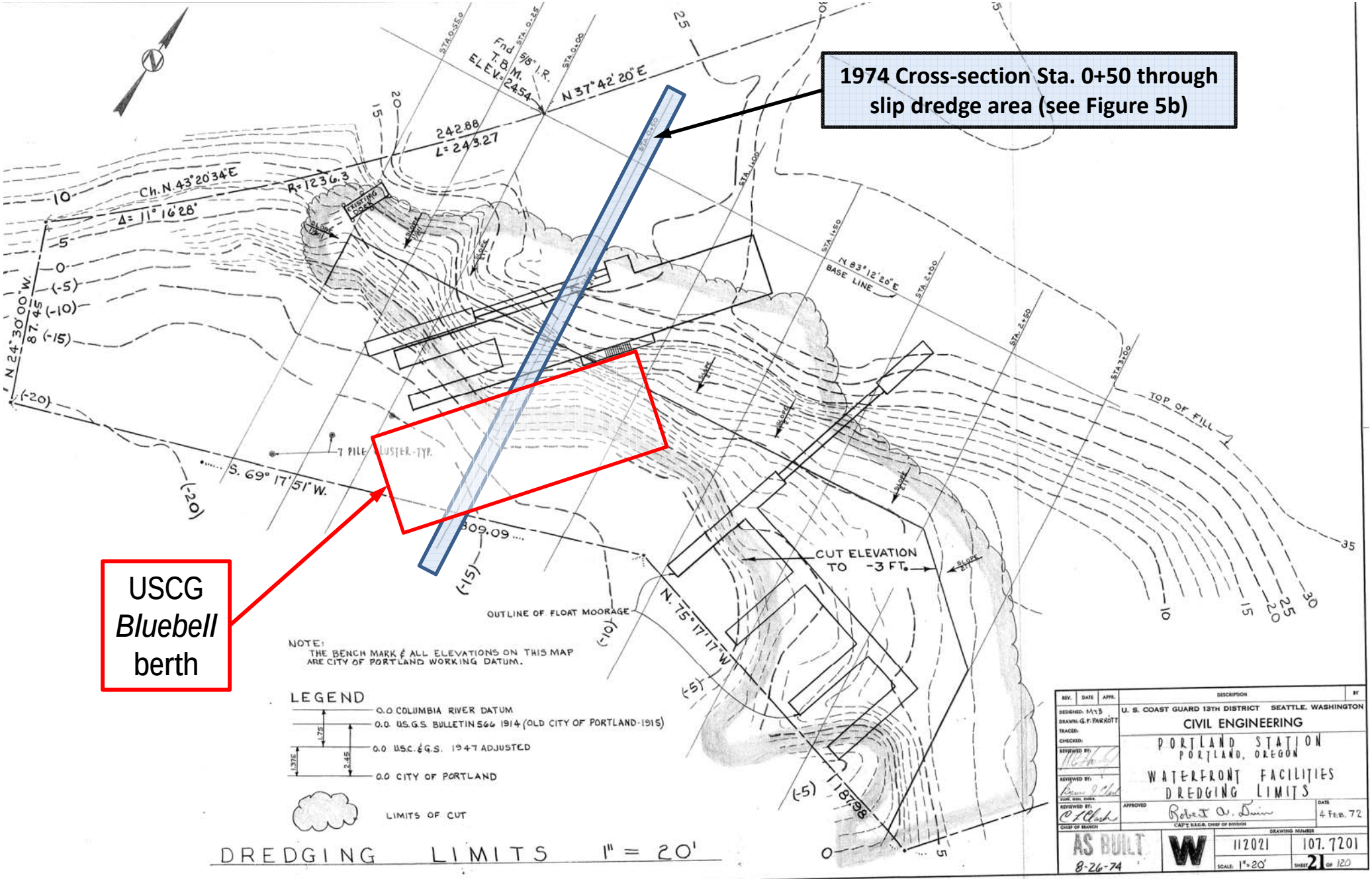
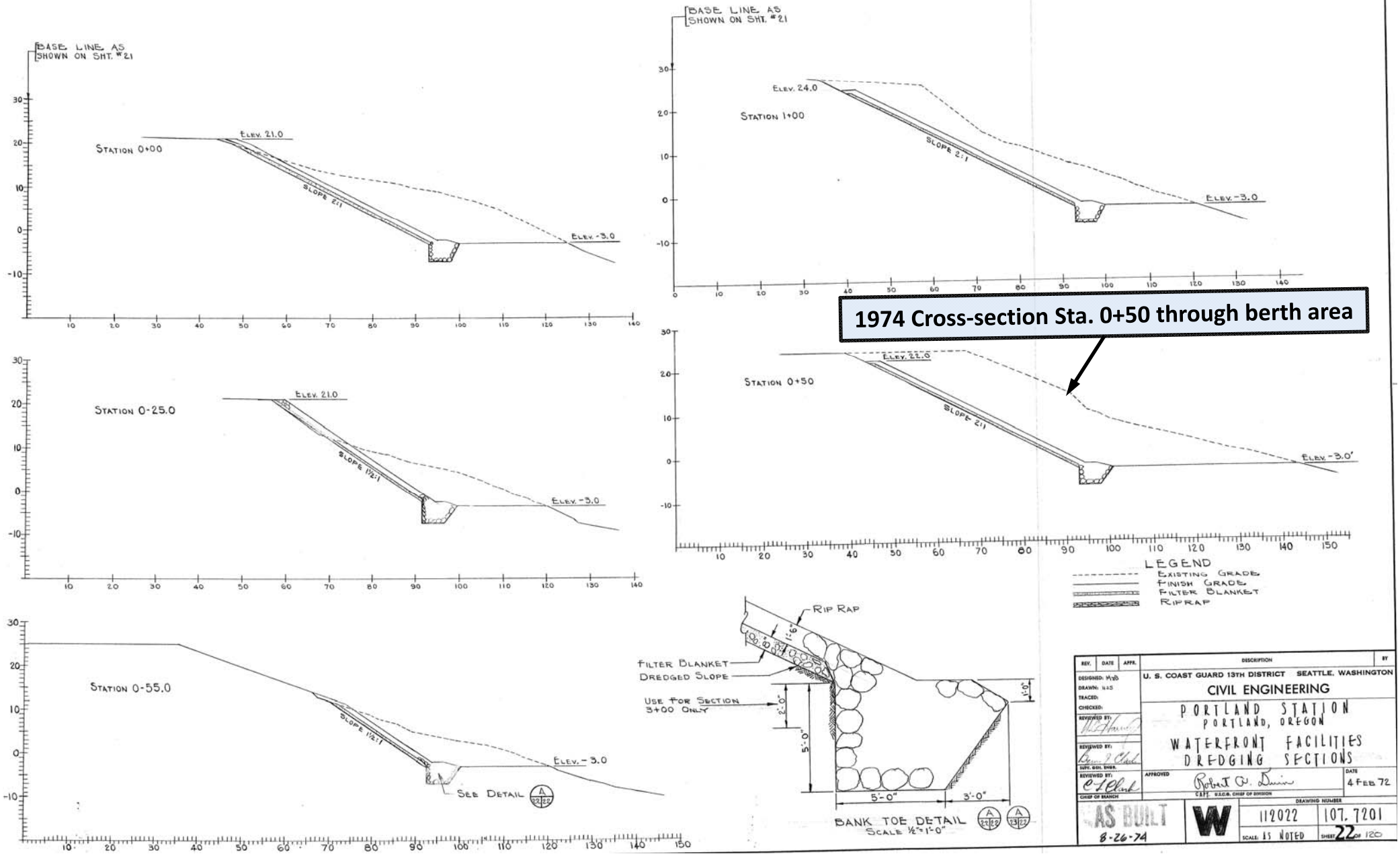


Figure 4. MSU Portland Facility Map
Source: URS, 2012
Exchange
CB2
CB1
Coast Guard Building listed on National Register
Mt. Rainier Building
Mt. St. Helens Building
Mt. Adams Building
Mt. Hood Building
US NAVAL RESERVE CENTER
UIC CB2
UIC
UIC CB1
Garage
CB3
CB4
CB5
Ammunition/ Paint/Battery Storage
Indoor Diesel AST (284 gal)
Buoy Storage Area
Mt. Baker Building
Scrap Metal Bin
OWS
Mt. Jefferson Building
CB6
Hazardous Materials Building
Armory
Outfall 1
Outfall 2
CB7
Small Boat Wash/ Fueling Basin
CB8
Baffled AST 1,500 gal gasoline 3,000 gal diesel
Outfall 3
Water Bunker
Baffled AST 1,000 gal Bilge Water 1,000 gal Used Oil
Outfall 4
Bluebell Berth
Willamette River
Swan Island Lagoon
Map Features
Catch Basin
Outfall
OWS
UIC
UIC Catch Basin
Stormwater Flow Direction
Stormwater Line
Catchment Area
Approximate Property Boundary
Note: Catchment Areas and outfall locations are approximate.
Sources: USGS 2009.



Source: USCG

Figure 5a. MSU Portland
1974 As-Built Construction Drawing – Plan View



Source: USCG

Figure 5b. MSU Portland

1974 As-Built Construction Drawing – Cross-section

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NOTES

Control is by USACE and NOS-C&GS.
Horizontal coordinates are based on the Lambert Projection for Oregon, North Zone (NAD 83, U.S. Survey Feet).
Vertical datum is Columbia River Datum (CRD). CRD is 1.65 Feet below Mean Lower Low Water (MLLW).
Soundings are shown in feet and indicate depths below CRD.
Reference is Navigation Chart No. 18526.
Represents 10 Foot Contour Line Columbia River Datum (CRD)
Represents 10 Foot Contour Line Mean Lower Low Water (MLLW)
Elevations are shown thus: +2, indicating height in feet above CRD.
The information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating the general condition existing at that time.

Figure 6a. Dredge Plan – *Bluebell* Berth

USCG MSU PORTLAND

USACE Condition Hydrosurvey 25 March 2013

SCALE IN FEET
0 40' 80'

U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION

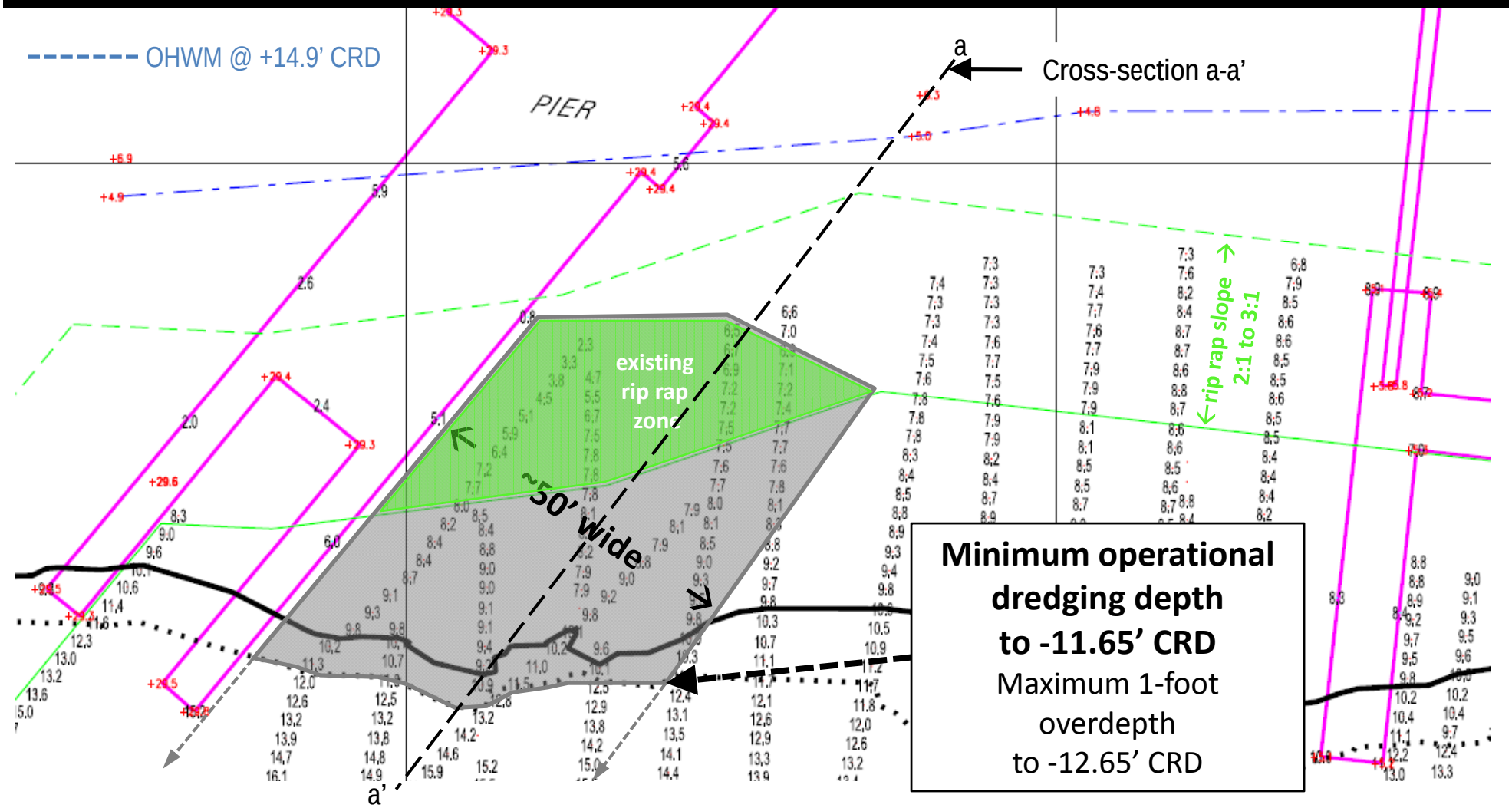

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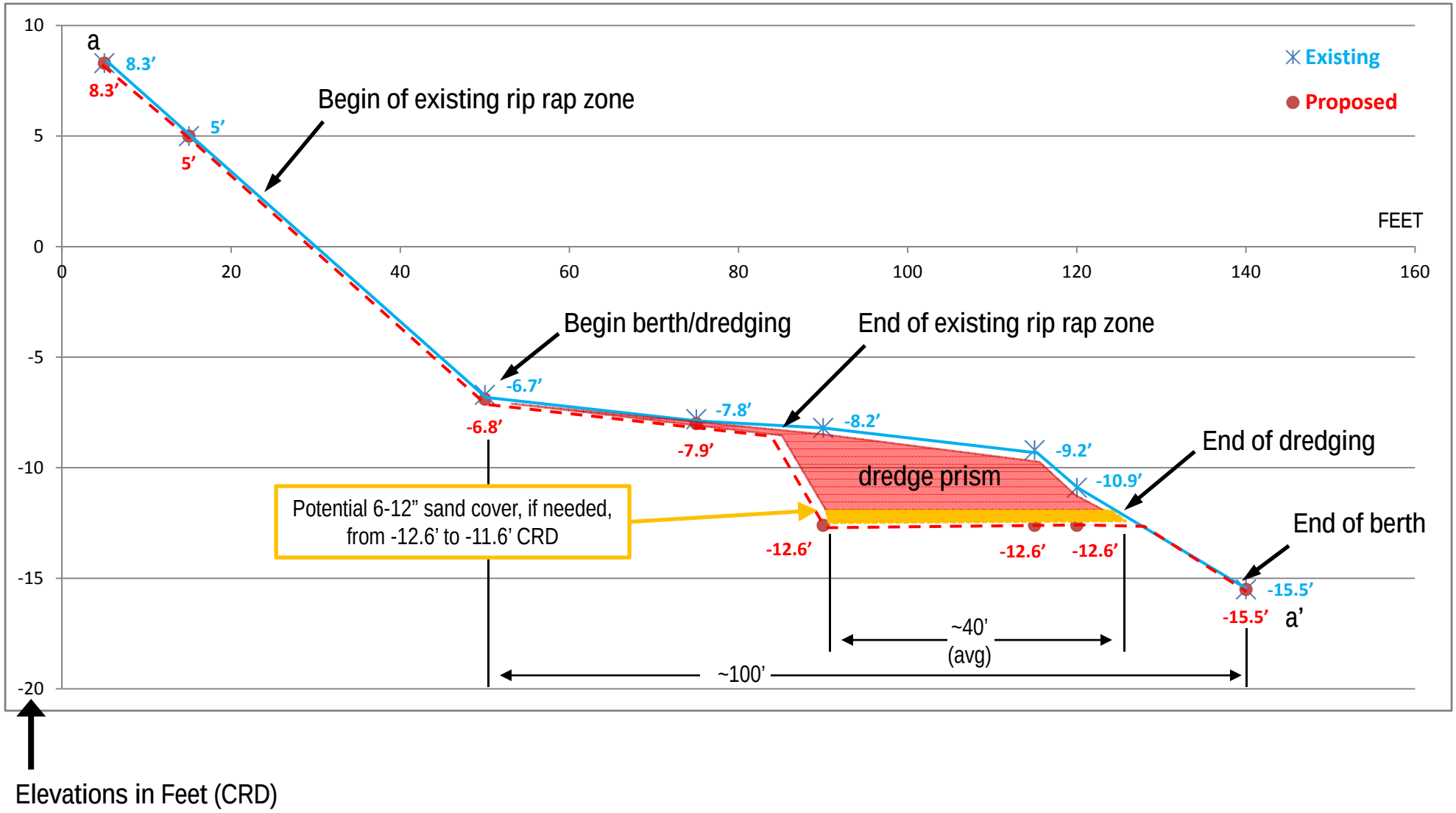
Figure 6b. MSU Portland Dredge Plan – Cross-section

Ordinary high water mark elevation is +14.9' CRD



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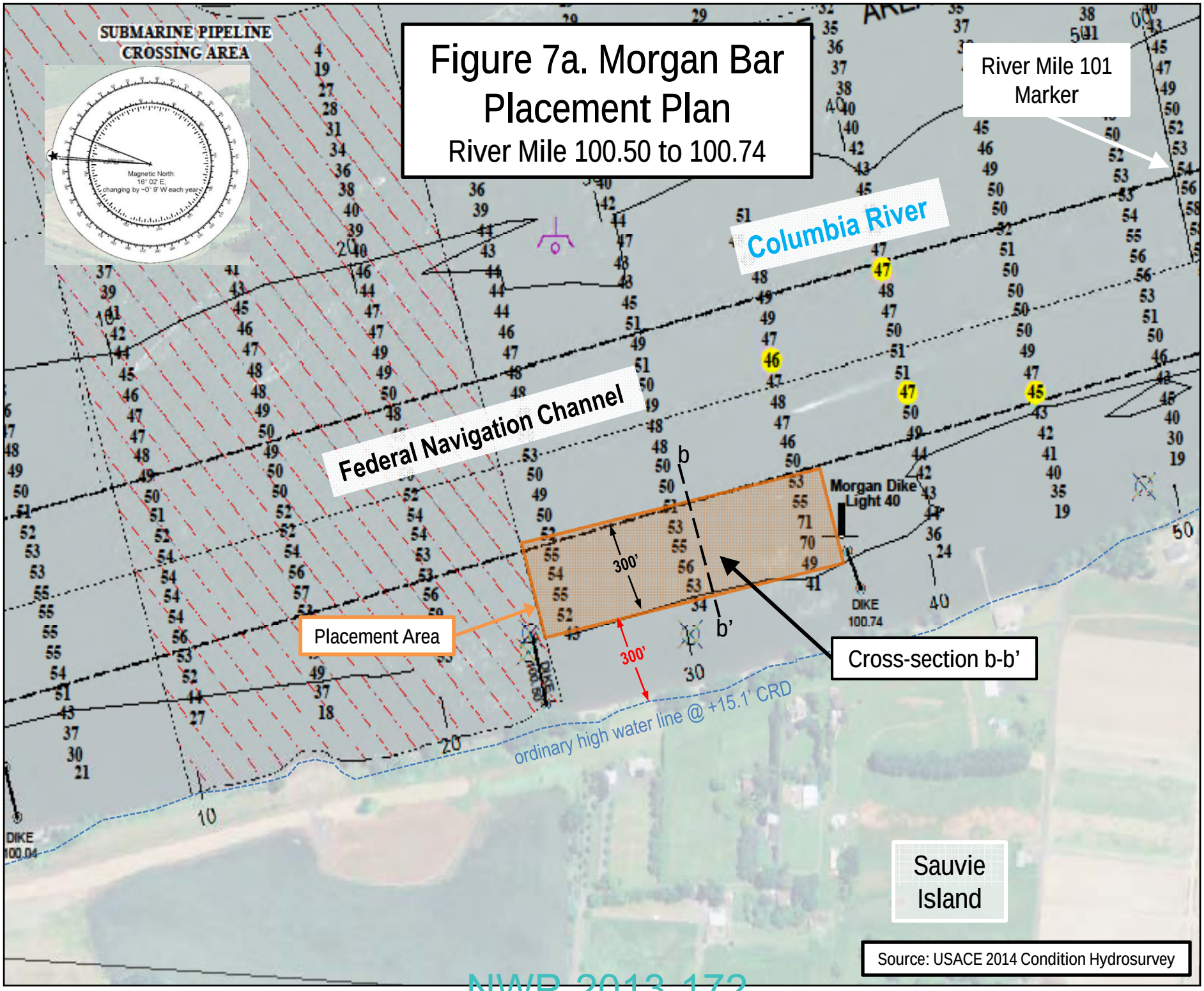
Figure 7a. Morgan Bar Placement Plan
River Mile 100.50 to 100.74
River Mile 101 Marker
Columbia River
Federal Navigation Channel
SUBMARINE PIPELINE CROSSING AREA
Magnetic North: 16° 02' E, changing by ~0° 9' W each year
Morgan Dike Light 40
DIKE 100.74
DIKE 100.04
b
b'
300'
300'
Placement Area
Cross-section b-b'
ordinary high water line @ +15.1' CRD
Sauvie Island
Source: USACE 2014 Condition Hydrosurvey

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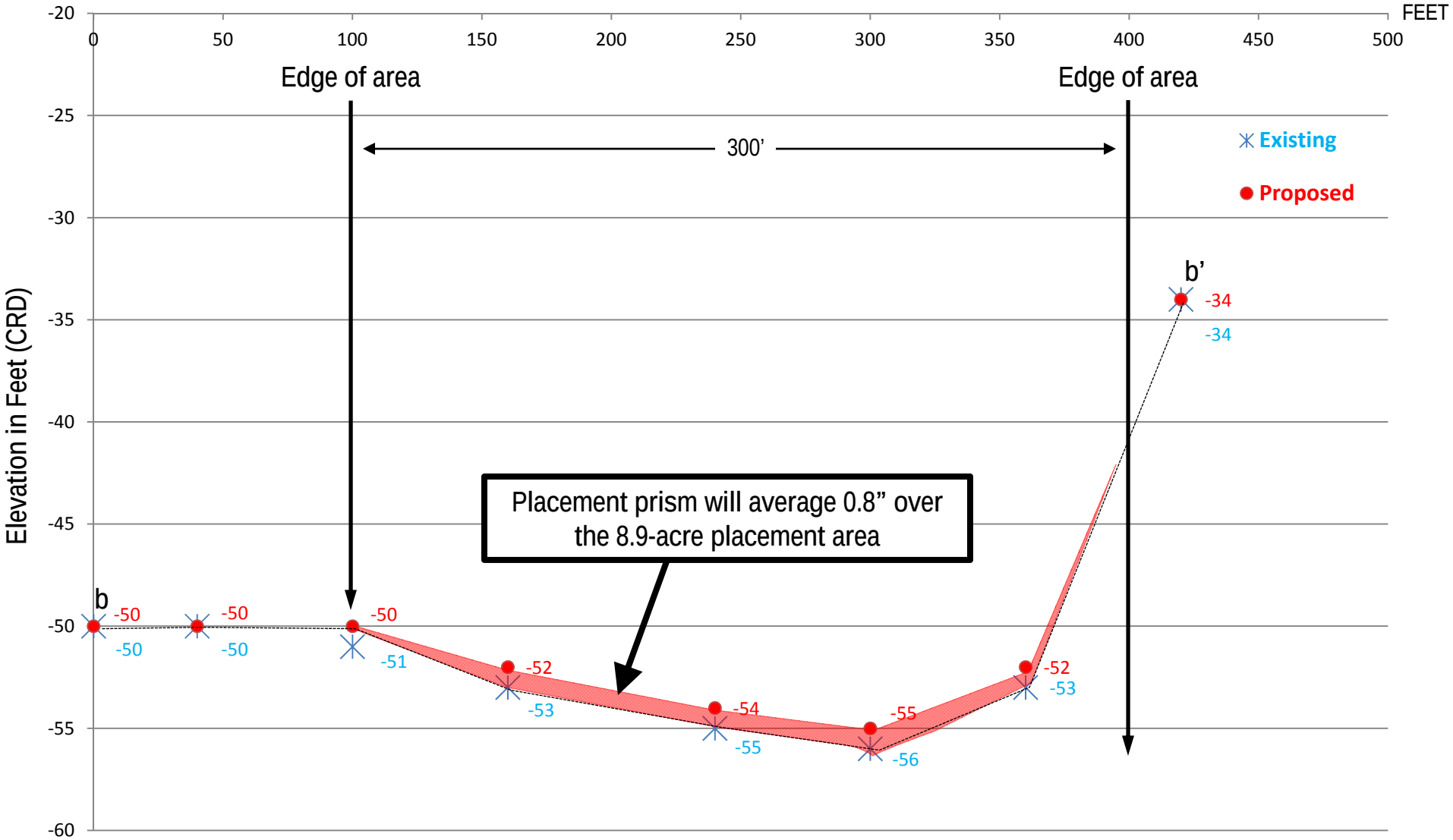
Figure 7b. Morgan Bar Placement Plan – Cross-section

Ordinary high water mark elevation is +15.1' CRD



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