

Legend

BOUNDARY OF PROJECT AREA

U.S.A.-CANADA BORDER

0 1.5 3
Kilometres
1:120,000
NAD 1983 UTM Zone 10N



ROBERTS BANK TERMINAL 2

PROJECT LOCATION

DATE: 02/26/2015

FIG No. 1-1

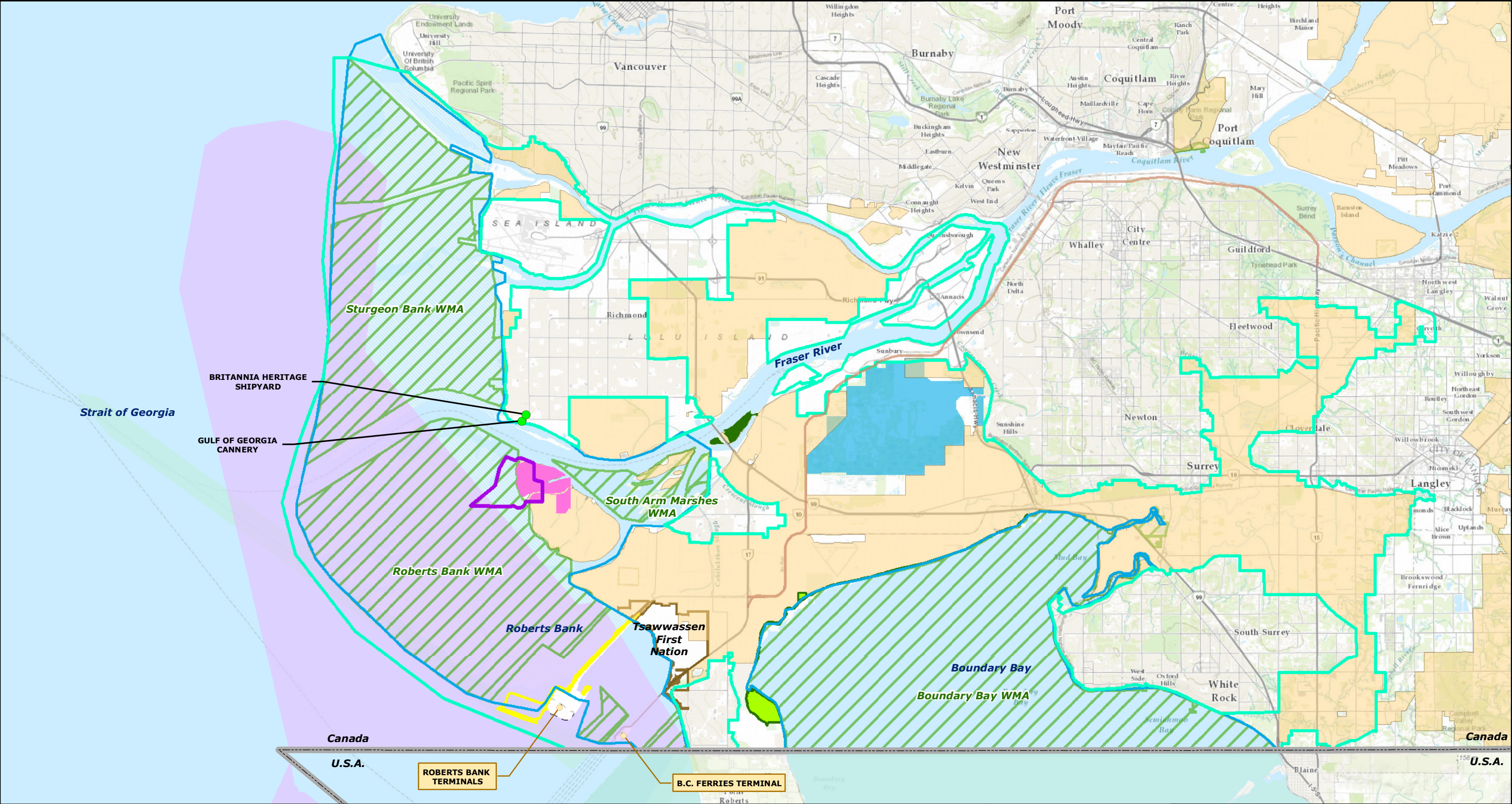


		ROBERTS BANK TERMINAL 2	
		ROBERTS BANK TERMINAL 2 PROJECT ORIENTATION AND LAYOUT	
		DATE: 01/05/2015	FIG No. 1-2



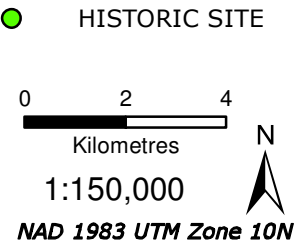


Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Legend

- | | | |
|---|---------------------------------|---|
| BOUNDARY OF PROJECT AREA | ALAKSEN NATIONAL WILDLIFE AREA | GEORGE REIFEL BIRD SANCTUARY |
| WILDLIFE MANAGEMENT AREA (WMA) | DEAS ISLAND REGIONAL PARK | FRASER RIVER ESTUARY WESTERN HEMISPHERE SHOREBIRD RESERVE |
| SOUTHERN RESIDENT KILLER WHALE CRITICAL HABITAT | BOUNDARY BAY REGIONAL PARK | IMPORTANT BIRD AREA (IBA) |
| BURNS BOG ECOLOGICAL CONSERVANCY AREA | AGRICULTURAL LAND RESERVE (ALR) | U.S.A.-CANADA BORDER |



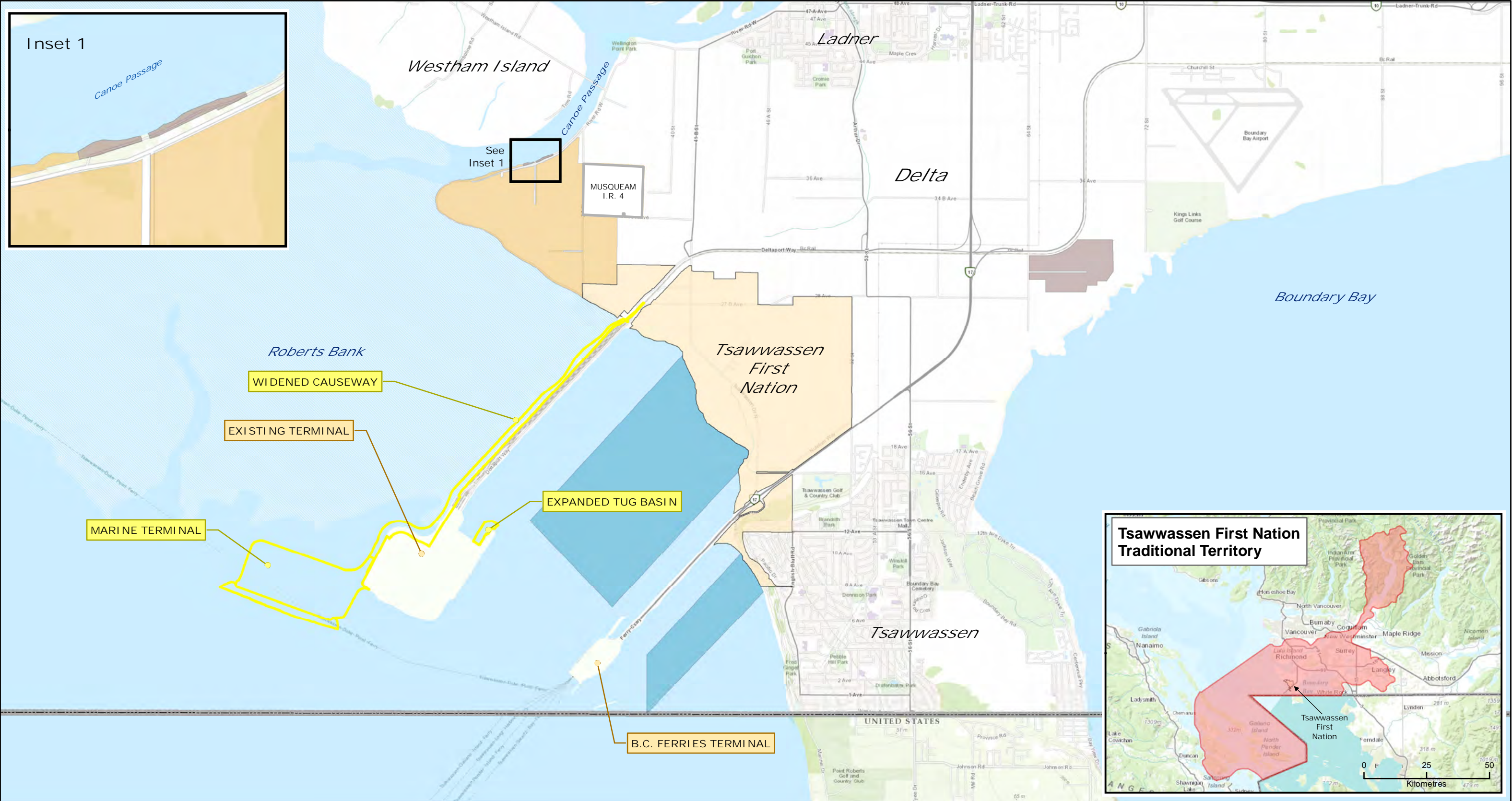
ROBERTS BANK TERMINAL 2

CONSERVATION AREAS

DATE: **12/18/2014**

FIG No. **3-1**

Path: O:\1200-1246\EIS_FINAL_FIGURES\Setting\Fig_3_2_EIS_TFN_Lands_150107.mxd



Legend

- | | | |
|--------------------------|-------------------------------------|-------------------|
| BOUNDARY OF PROJECT AREA | TSAWWASSEN FIRST NATION LANDS | PROJECT COMPONENT |
| FIRST NATIONS RESERVE | OTHER TSAWWASSEN FIRST NATION LANDS | EXISTING LANDMARK |
| U.S.A.-CANADA BORDER | RIGHTS OF REFUSAL LANDS | |
| | TSAWWASSEN FIRST NATION WATER LOTS | |

0 1 2
Kilometres
1:50,000
NAD 1983 UTM Zone 10N



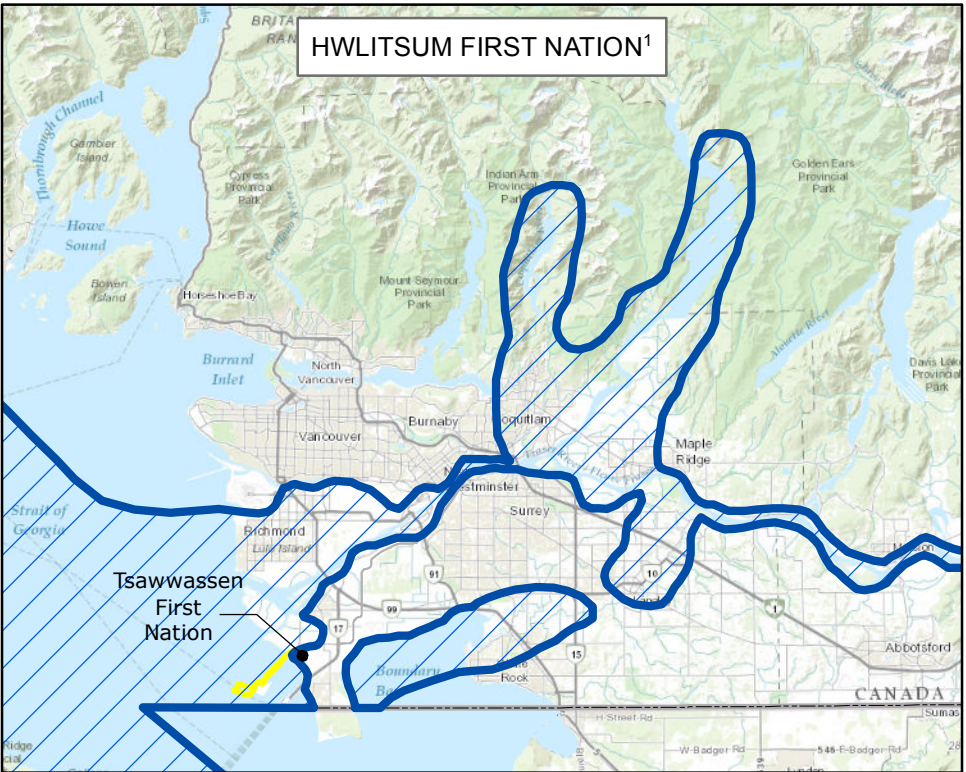
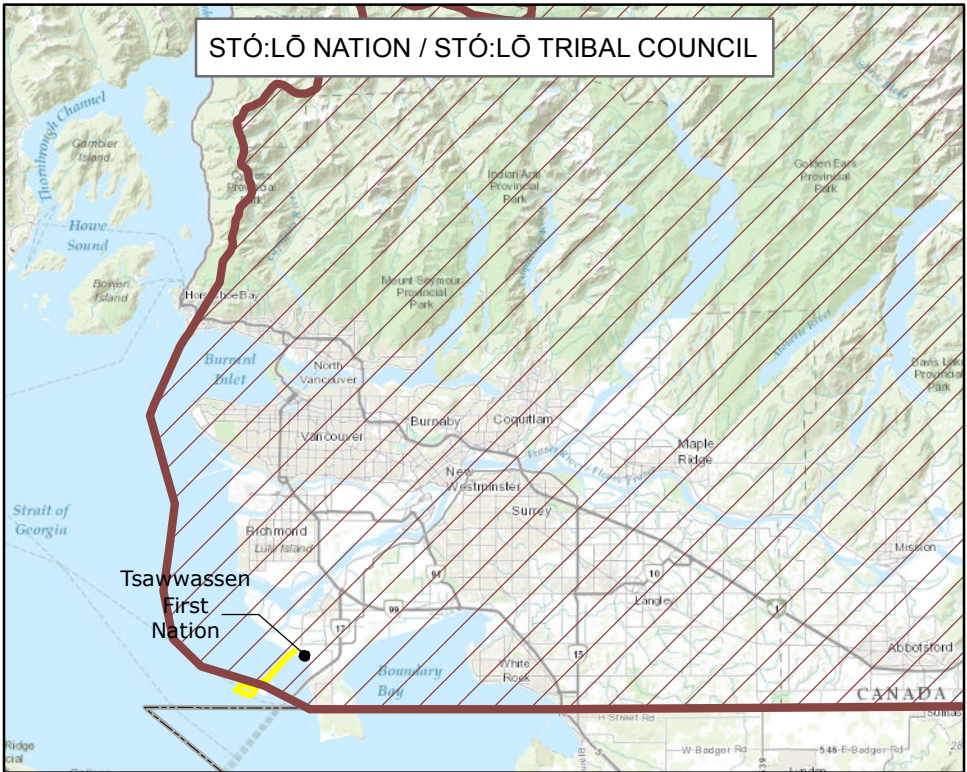
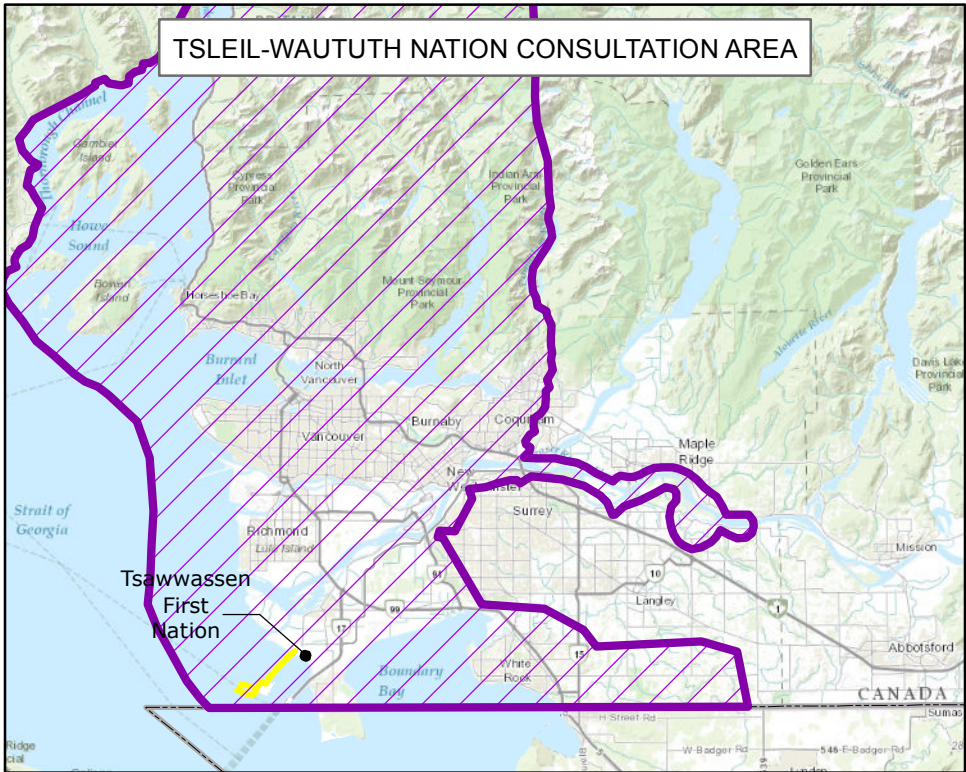
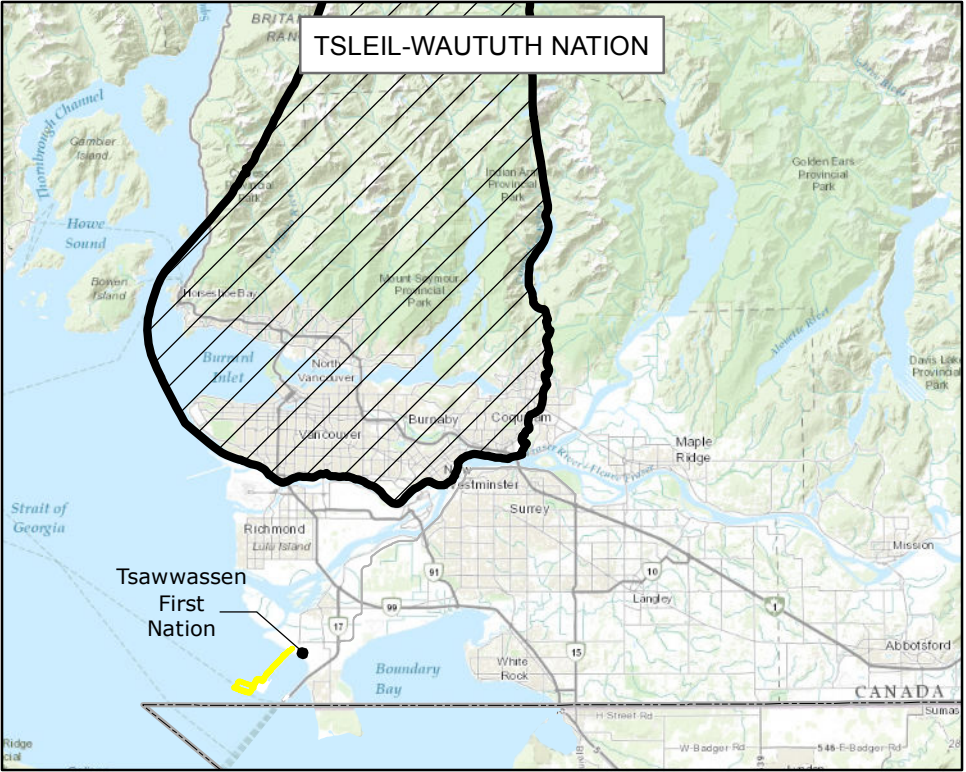
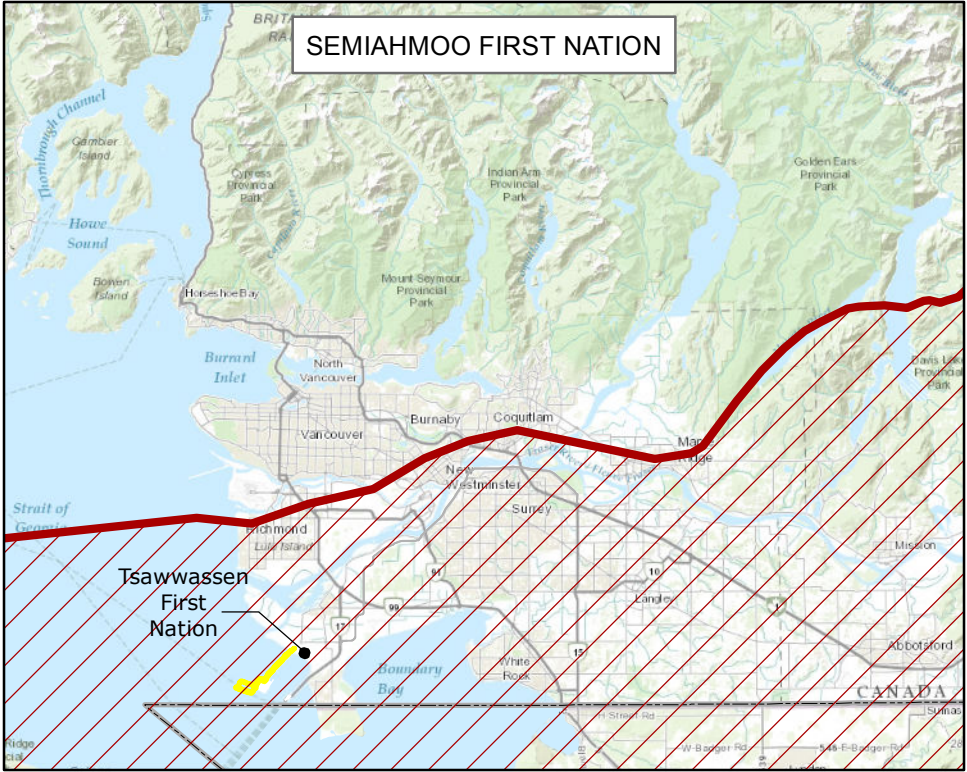
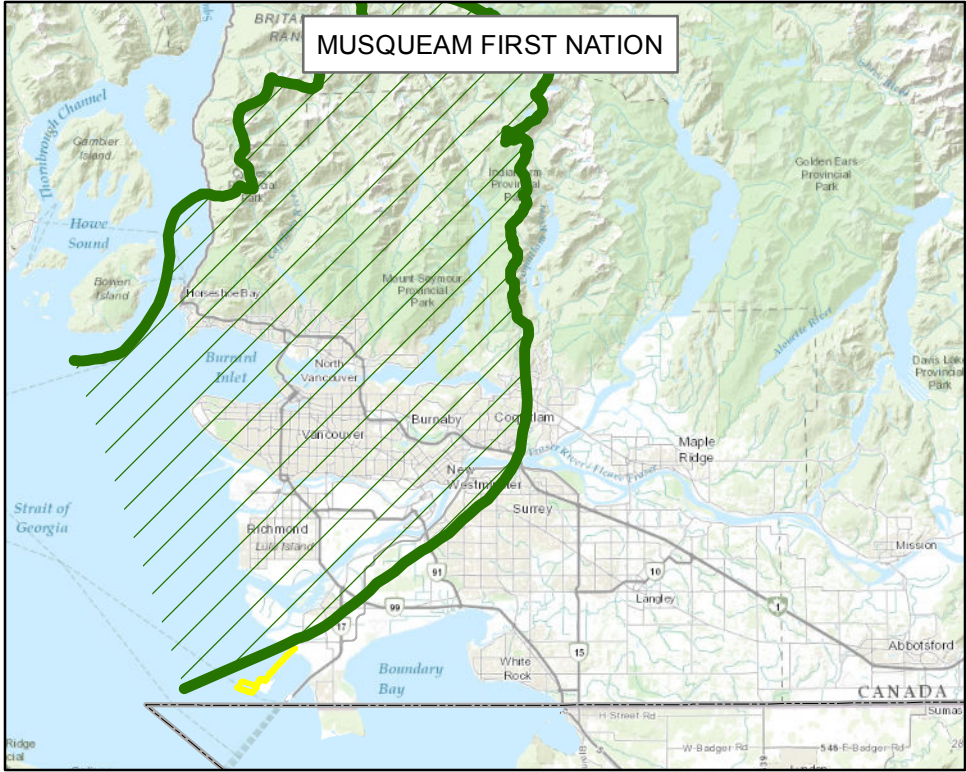
ROBERTS BANK TERMINAL 2

TSAWWASSEN
FIRST NATION LANDS



DATE: 01/07/2015

FIG No. 3-2







Path: O:\1200-1246\EIS_FINAL_FIGURES\Sec_3_0_Geographic_Setting\Fig_3_3_EIS_LowerMainland_FNT_150107.mxd

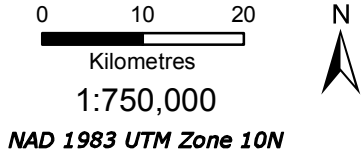


Legend

-  BOUNDARY OF PROJECT AREA
-  U.S.A.-CANADA BORDER

ASSERTED TRADITIONAL TERRITORY BOUNDARIES

-  MUSQUEAM FIRST NATION
-  SEMIAHMOO FIRST NATION
-  TSLEIL-WAUTUTH NATION
-  TSLEIL-WAUTUTH NATION CONSULTATION AREA
-  STÓ:LŌ NATION / STÓ:LŌ TRIBAL COUNCIL
-  HWLITSUM FIRST NATION¹



Note:
¹Hwlitsum Asserted Traditional Territory boundaries are as per the Hwlitsum Statement of Intent Boundary, September 2008

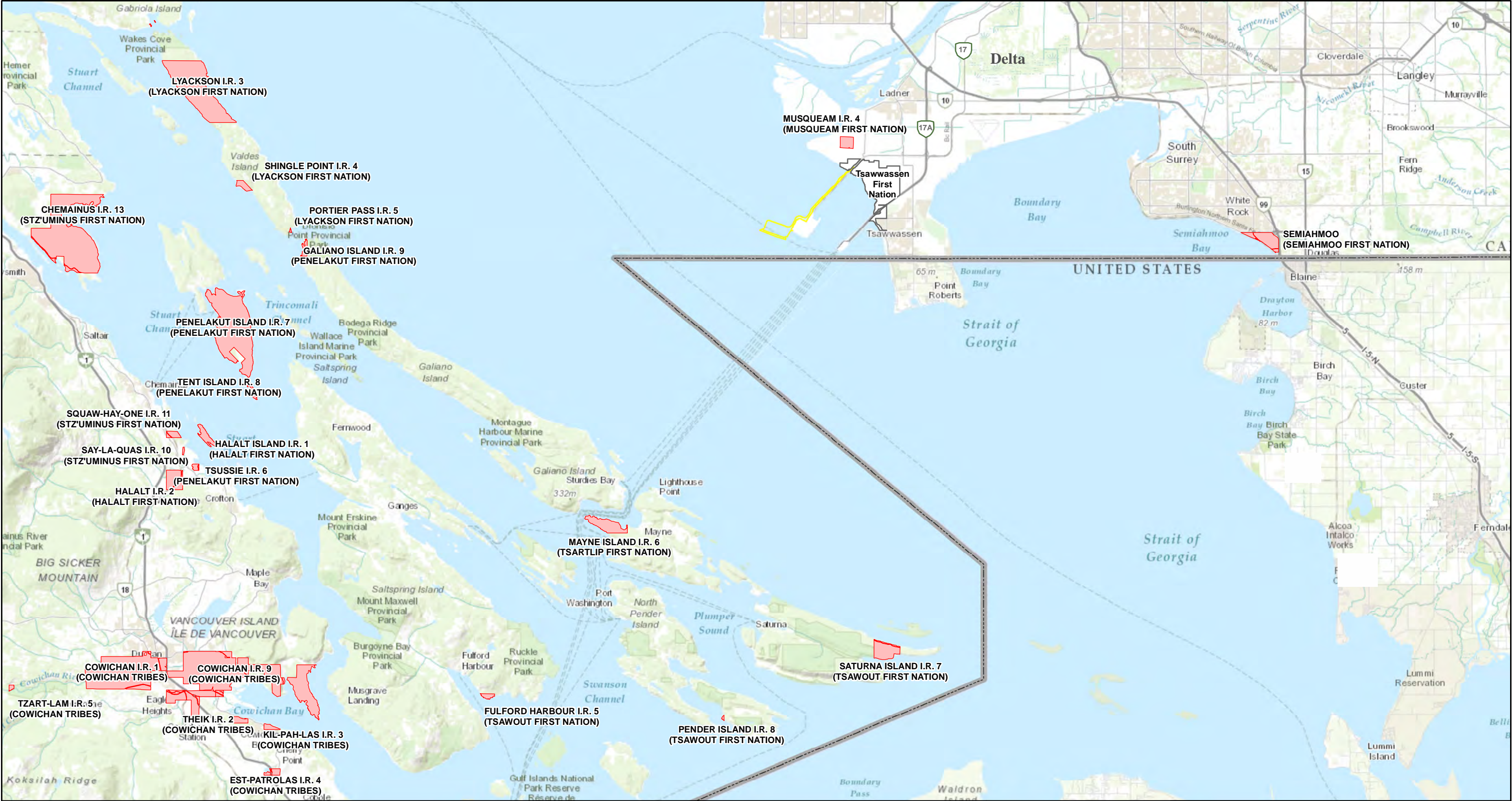


ROBERTS BANK TERMINAL 2

**MAINLAND FIRST NATIONS
ASSERTED TRADITIONAL
TERRITORY BOUNDARIES**

DATE: **03/02/2014** FIG No. **3-3**

Path: O:\1200-1246\EIS_FINAL_FIGURES\Sec_3_0_Geographic_Setting\Fig_3_4_EIS_LowMain_VanIsland_ReserveLands_150107.mxd



Legend

- BOUNDARY OF PROJECT AREA**
- FIRST NATIONS RESERVE**
- U.S.A.-CANADA BORDER**

0 5 10
Kilometres

1:225,000
NAD 1983 UTM Zone 10N



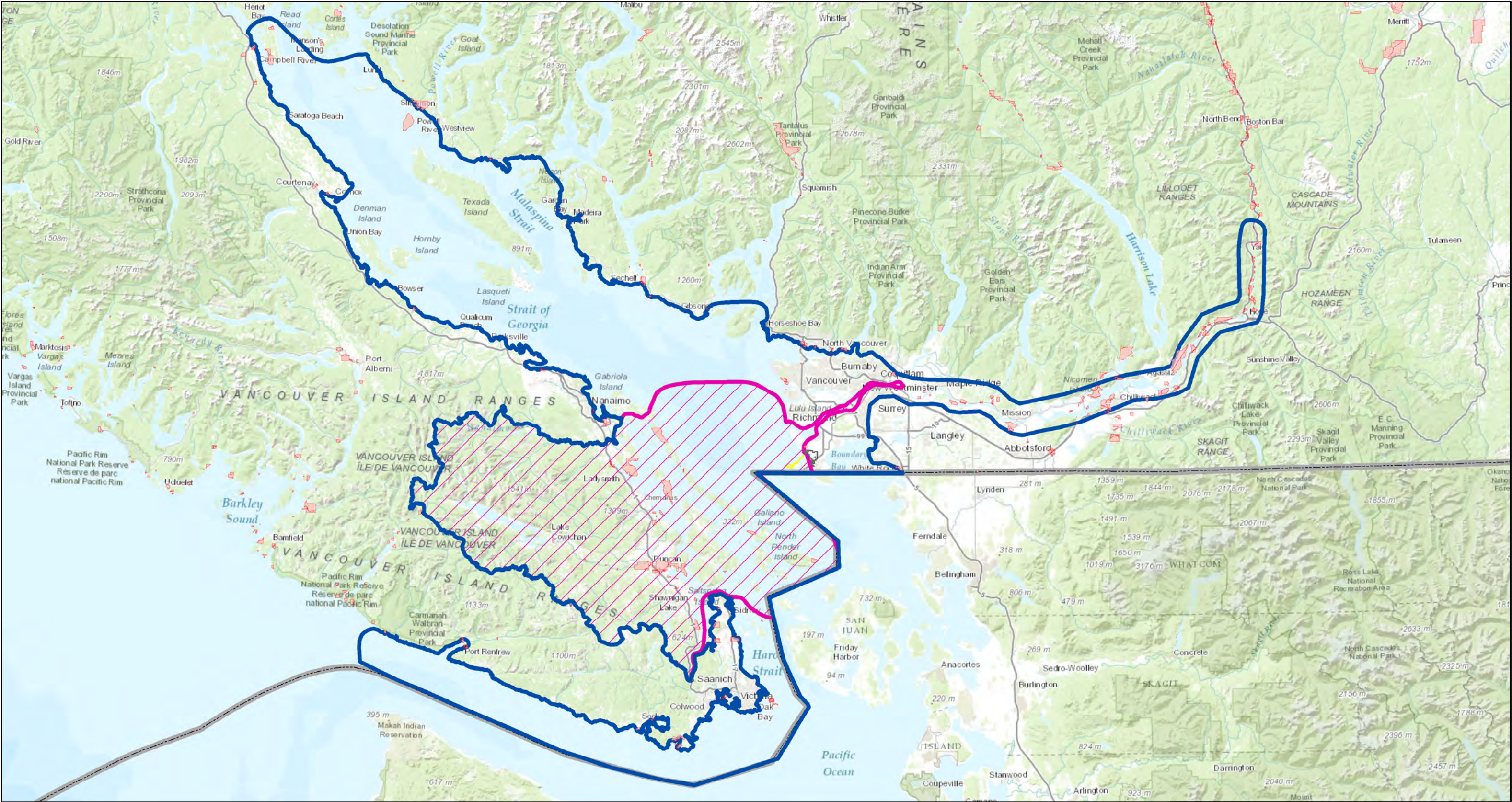
ROBERTS BANK TERMINAL 2

MAINLAND AND ISLAND
FIRST NATION
RESERVE LANDS

DATE: 01/07/2015

FIG No. 3-4

Path: C:\11200-1246\GIS_FINAL_FIGURES\Sec_3_0_Geographic_Setting\Fig_3_5_EIS_VanIsland_150107.mxd



Legend

- BOUNDARY OF PROJECT AREA
- U.S.A.-CANADA BORDER
- HUL'QUMI'NUM TREATY GROUP (CORE)
- HUL'QUMI'NUM TREATY GROUP (MARINE)
- FIRST NATIONS RESERVE

Notes:

Hul'qumi'num Treaty Group Core Area and Marine Area are being used as proxy for the Asserted Traditional Territory boundaries of these Aboriginal groups: Cowichan Tribes, Halalt First Nation, Lake Cowichan First Nation, Lyackson First Nation, Penelakut Tribe, and Stz'uminus First Nation.

0 20 40
Kilometres

1:1,000,000

NAD 1983 UTM Zone 10N



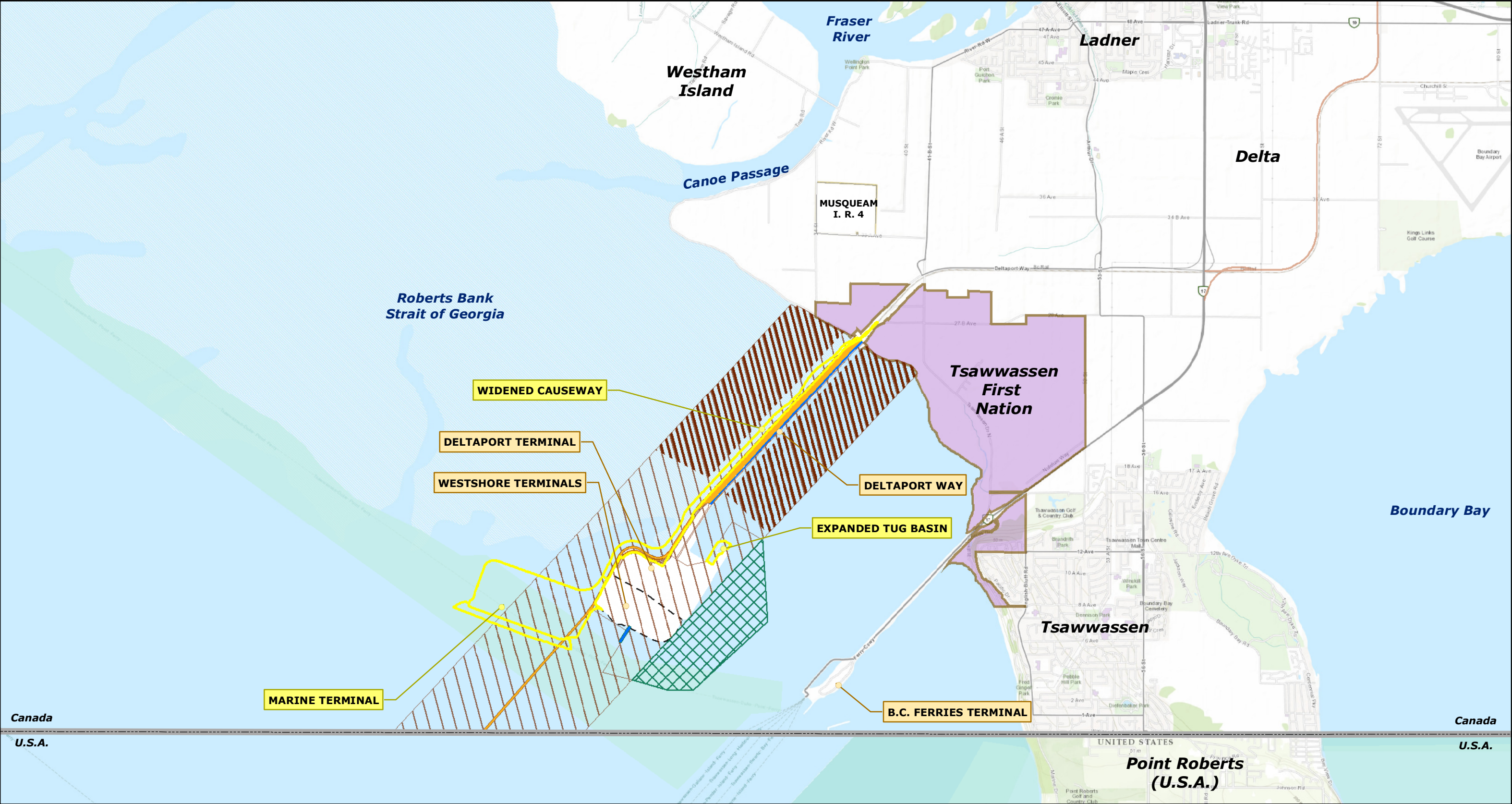
PORT METRO
vancouver

ROBERTS BANK TERMINAL 2

ISLAND FIRST NATIONS
ASSERTED TRADITIONAL
TERRITORY BOUNDARIES

DATE: 01/07/2015

FIG No. 3-5



Legend

- BOUNDARY OF PROJECT AREA
- TSAWWASSEN FIRST NATION LANDS

PROJECT COMPONENT

EXISTING LANDMARK

- BRITISH COLUMBIA RAILWAY COMPANY
- CROWN FEDERAL
- CROWN FEDERAL TO BE TRANSFERRED, ASSIGNED OR SUBLEASED TO TSAWWASSEN FIRST NATION
- CROWN PROVINCIAL (SURVEYED)
- CROWN PROVINCIAL (UNSURVEYED)
- CROWN PROVINCIAL (MOTI)

0 0.5 1
Kilometres
1:50,000
NAD 1983 UTM Zone 10N

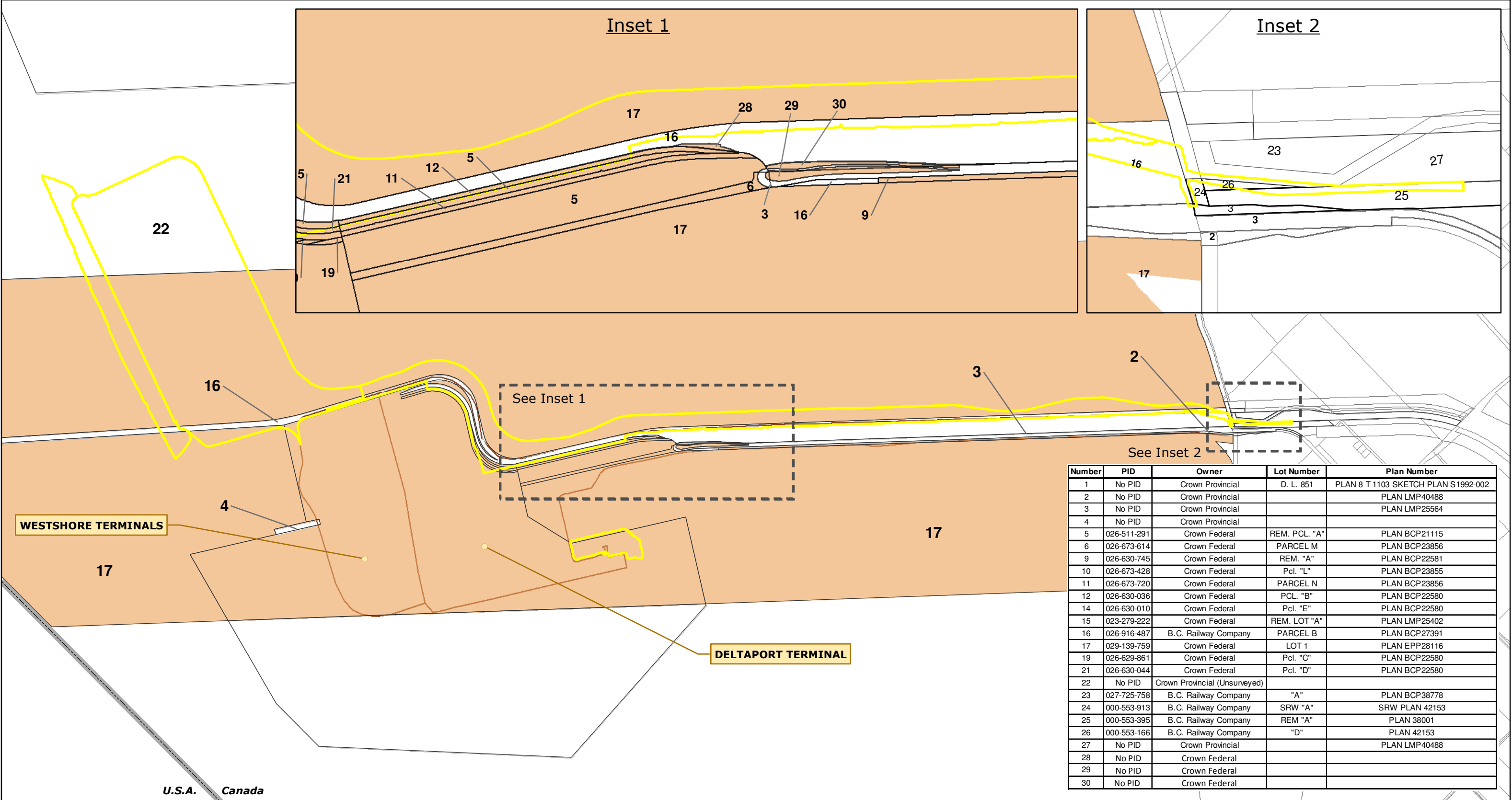


ROBERTS BANK TERMINAL 2

**LAND AND WATER LOT OWNERSHIP
AT ROBERTS BANK**

DATE:
12/18/2014

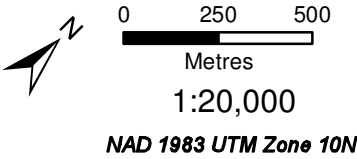
FIG No.
3-6



Legend

- BOUNDARY OF PROJECT AREA
- LOT BOUNDARY
- EXISTING INFRASTRUCTURE
- CROWN FEDERAL

MISSING NUMBERS IN TABLE CORRESPOND TO PARCELS AT B.C. FERRIES TSAWWASSEN TERMINAL WHICH ARE NOT SHOWN ON THIS PLAN.

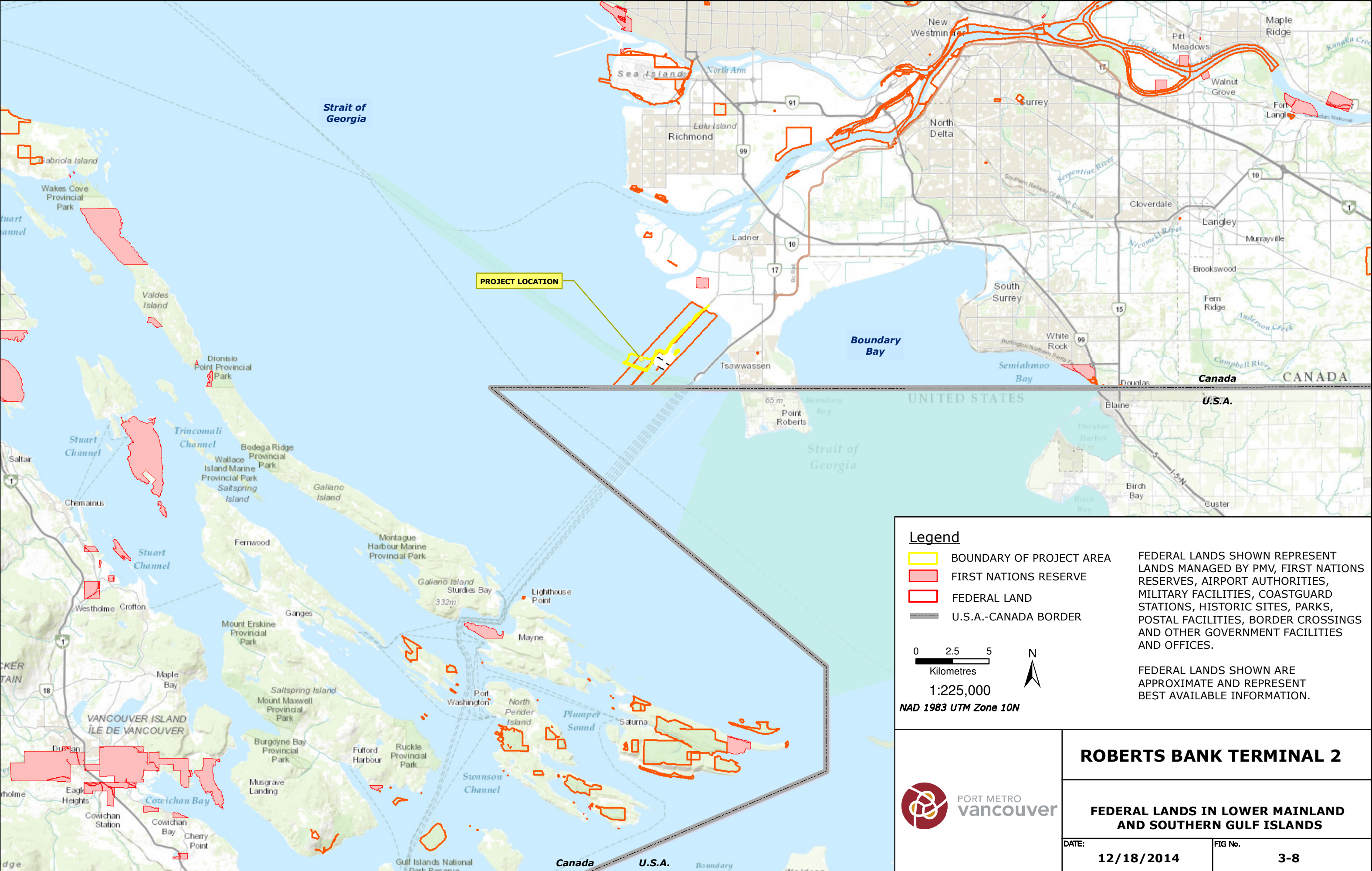


ROBERTS BANK TERMINAL 2

LEGAL DESCRIPTION OF LAND OWNERSHIP AT ROBERTS BANK

DATE: **12/18/2014**

FIG No. **3-7**



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Path: O:\1200-1246\EIS_FINAL FIGURES\Sec_3_0_Geographic_Setting\Fig_3_9_EIS_CumulativeEffects_ExistingProjects_150107.mxd

Project Name	
1	B.C. Ferries Tsawwassen Terminal
2	Westshore Terminals
3	Deltaport Third Berth
4	Deltaport Terminal Road and Rail Improvement Project
5	Roberts Bank Rail Corridor Program (RBRC)
5a	RBRC – 41B Street Rail Overpass at Deltaport Way
5b	RBRC – 80 th Street Rail Overpass
5c	RBRC – 232 nd Street Overpass
6	Highway 17 (South Fraser Perimeter Road)
7	BP Cherry Point Oil Refinery



Legend

- BOUNDARY OF PROJECT AREA
- U.S.A.-CANADA BORDER
- PROJECT LOCATION
- LINEAR PROJECT CORRIDOR
- DELTAPOINT TERMINAL, ROAD, AND RAIL IMPROVEMENT PROJECT (DTRRIP)
- HIGHWAY 17 A (SOUTH FRASER PERIMETER ROAD)
- ROBERTS BANK RAIL CORRIDOR PROGRAM (RBRC)

0 5 10
Kilometres
1:275,000
NAD 1983 UTM Zone 10N

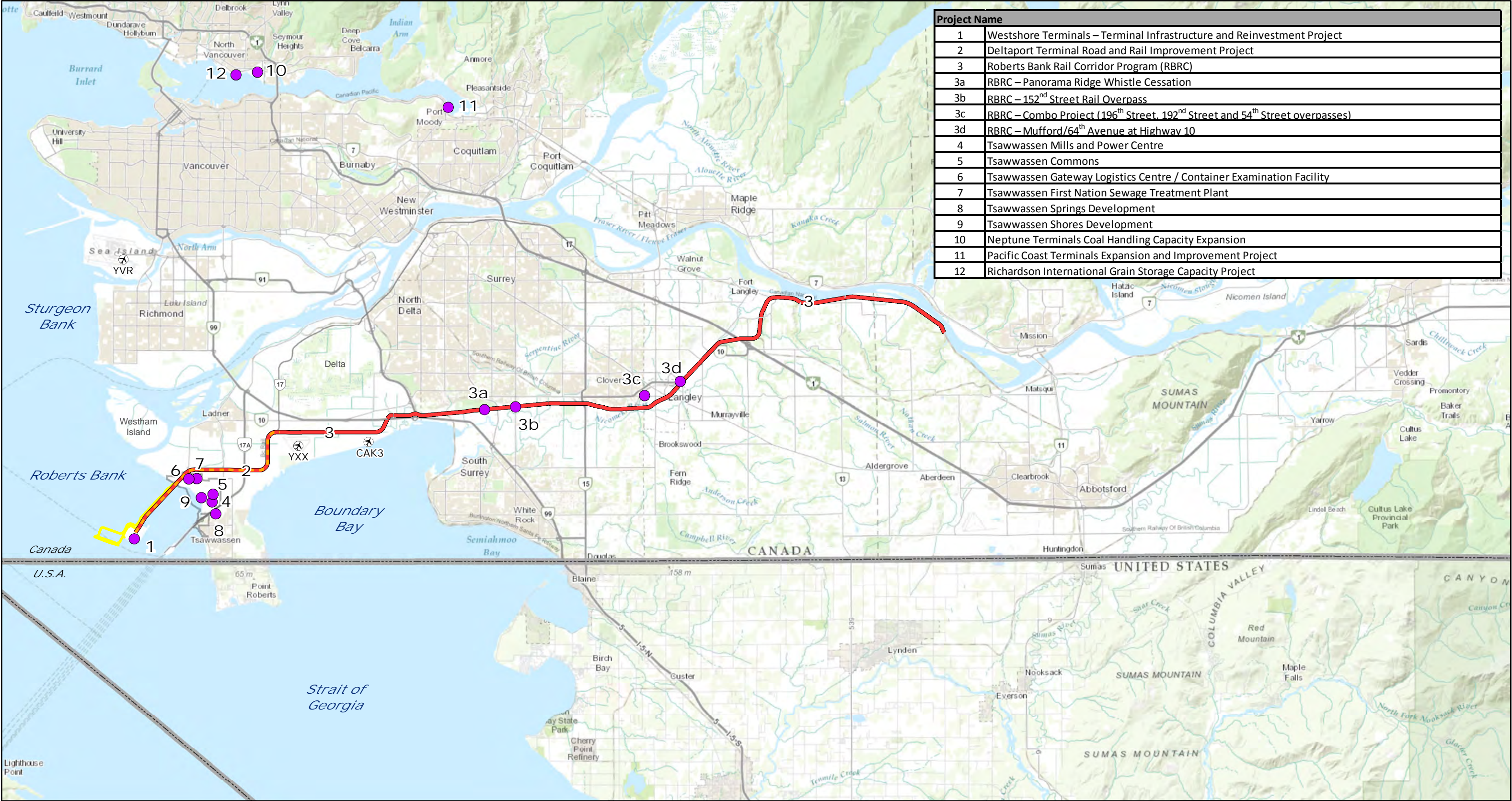


ROBERTS BANK TERMINAL 2

PROJECTS CONTRIBUTING
TO EXISTING CONDITIONS

DATE: 01/07/2015	FIG No. 3-9
---------------------	----------------

Path: O:\1200-11246\EIS_FINAL_FIGURES\Sec 3_0_Geographic_Setting\Fig 3_10_EIS_CumulativeEffects_ExpectedProjects_150107.mxd



Project Name	
1	Westshore Terminals – Terminal Infrastructure and Reinvestment Project
2	Deltaport Terminal Road and Rail Improvement Project
3	Roberts Bank Rail Corridor Program (RBRC)
3a	RBRC – Panorama Ridge Whistle Cessation
3b	RBRC – 152 nd Street Rail Overpass
3c	RBRC – Combo Project (196 th Street, 192 nd Street and 54 th Street overpasses)
3d	RBRC – Mufford/64 th Avenue at Highway 10
4	Tsawwassen Mills and Power Centre
5	Tsawwassen Commons
6	Tsawwassen Gateway Logistics Centre / Container Examination Facility
7	Tsawwassen First Nation Sewage Treatment Plant
8	Tsawwassen Springs Development
9	Tsawwassen Shores Development
10	Neptune Terminals Coal Handling Capacity Expansion
11	Pacific Coast Terminals Expansion and Improvement Project
12	Richardson International Grain Storage Capacity Project

Legend

- BOUNDARY OF PROJECT AREA
- U.S.A.-CANADA BORDER
- PROJECT LOCATION
- LINEAR PROJECT CORRIDOR
- DELTAPORT TERMINAL, ROAD, AND RAIL IMPROVEMENT PROJECT (DTRRIP)
- ROBERTS BANK RAIL CORRIDOR PROGRAM (RBRC)

0 5 10

Kilometres

1:250,000

NAD 1983 UTM Zone 10N



PORT METRO
vancouver

ROBERTS BANK TERMINAL 2

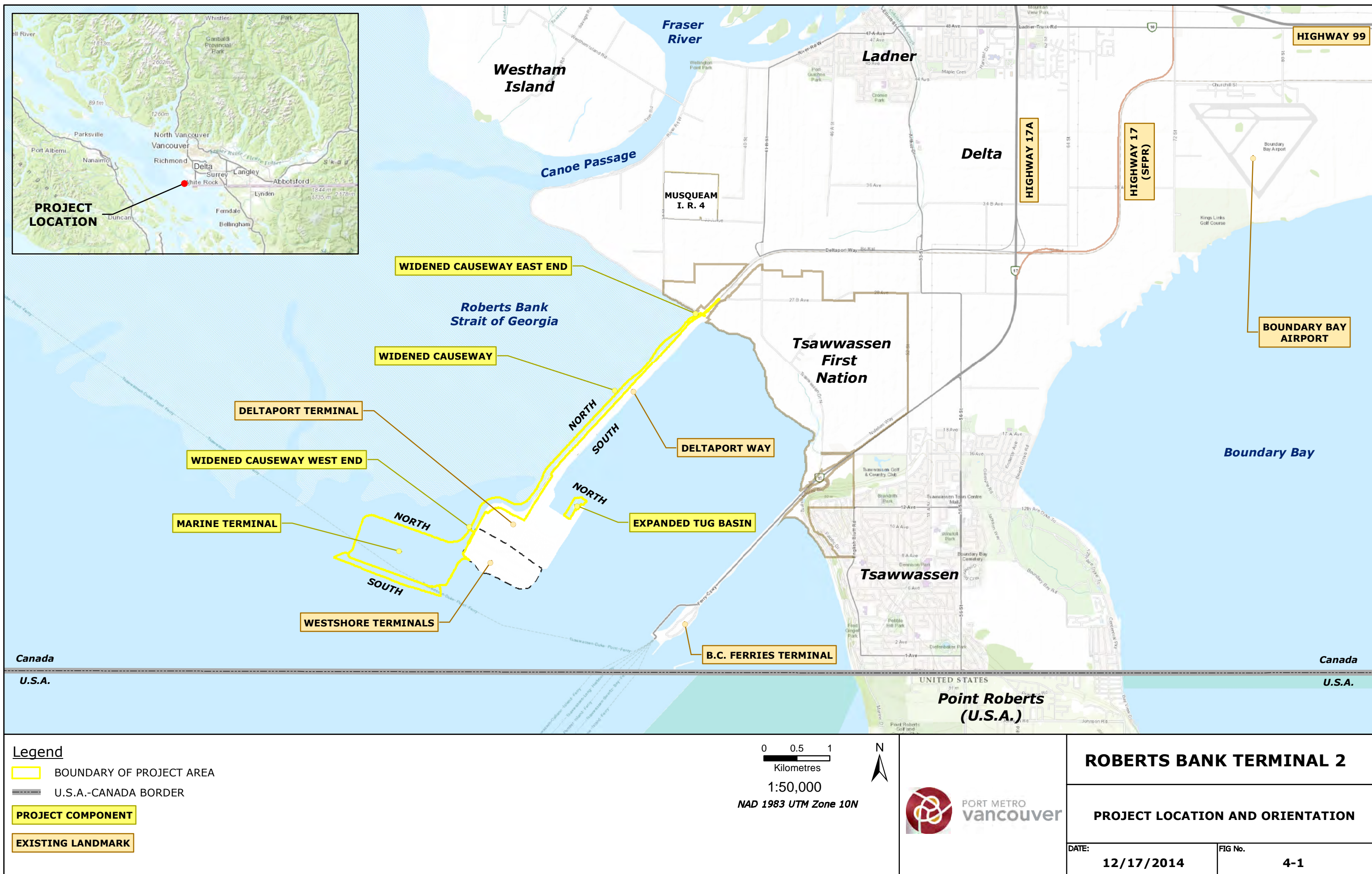
PROJECTS CONTRIBUTING
TO EXPECTED CONDITIONS

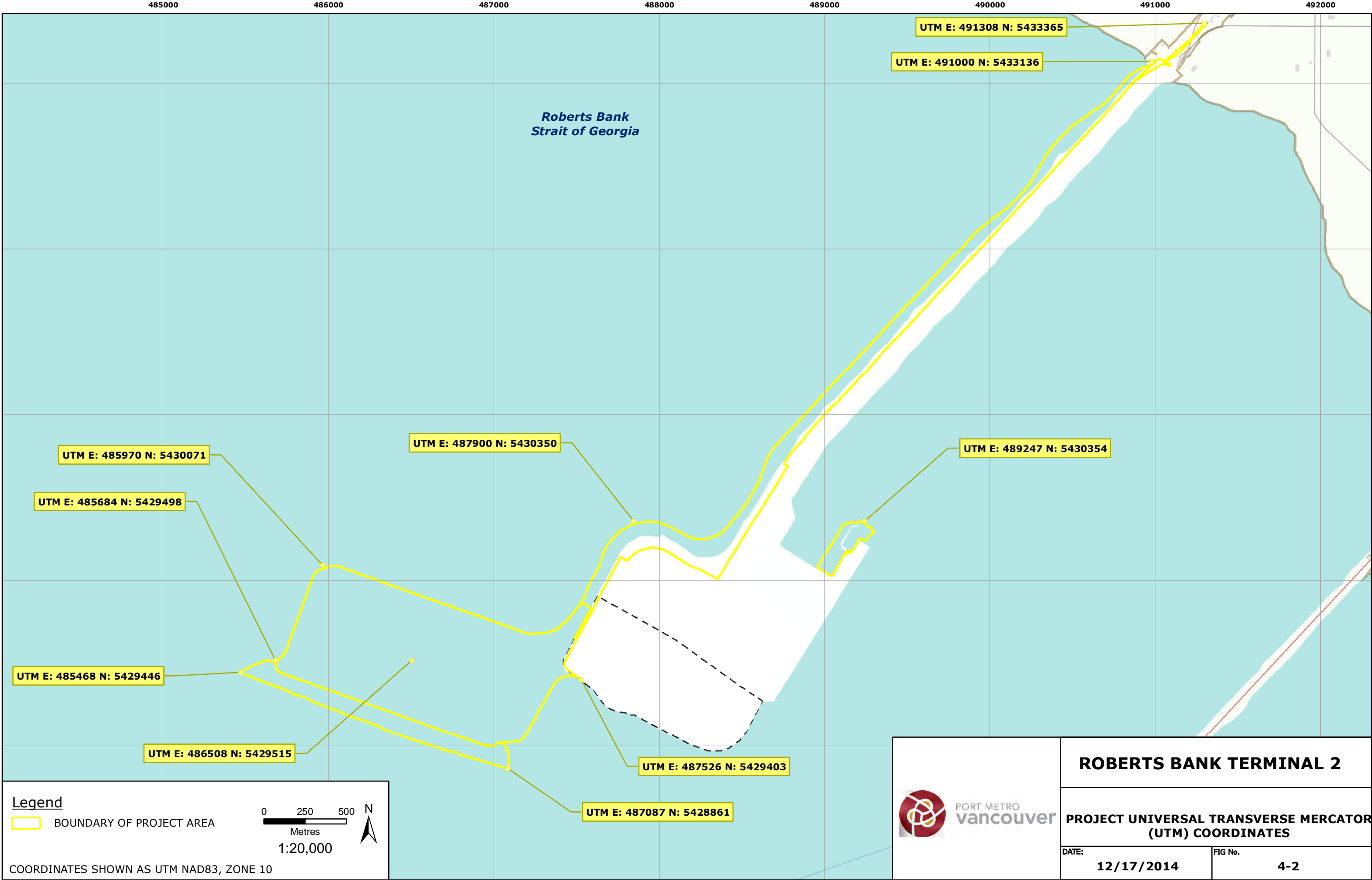
DATE:

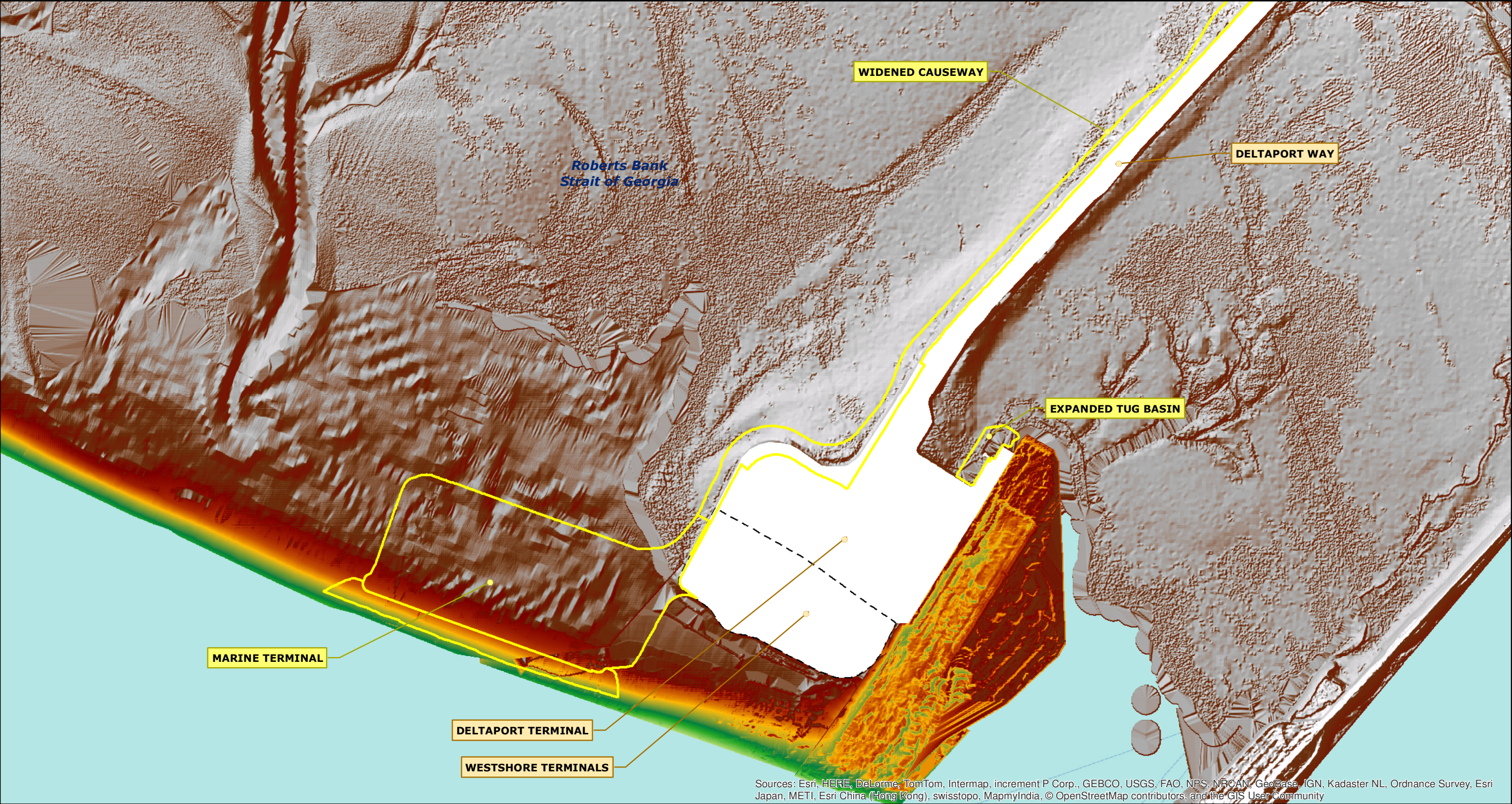
01/07/2015

FIG No.

3-10





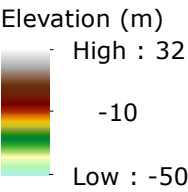


Legend

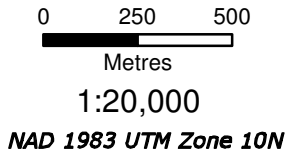
- BOUNDARY OF PROJECT AREA
- NO BATHYMETRY COVERAGE

PROJECT COMPONENT

EXISTING LANDMARK



BATHYMETRY DATA SHOWN IS FROM VARIOUS SOURCES AND YEARS, AND ELEVATIONS ARE AT CHART DATUM. TO CONVERT TO GEODETIC DATUM, SUBTRACT 2.975m.

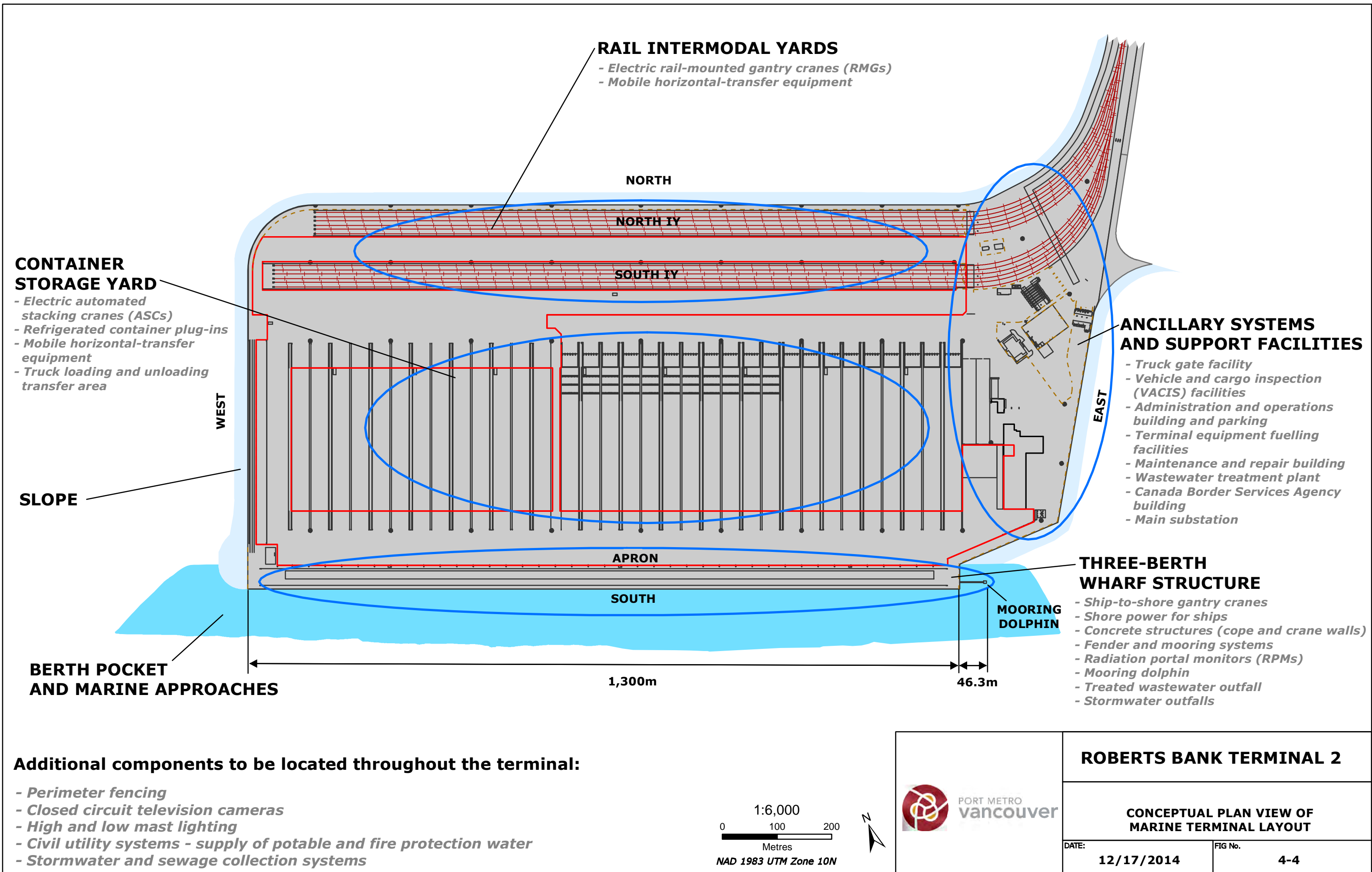


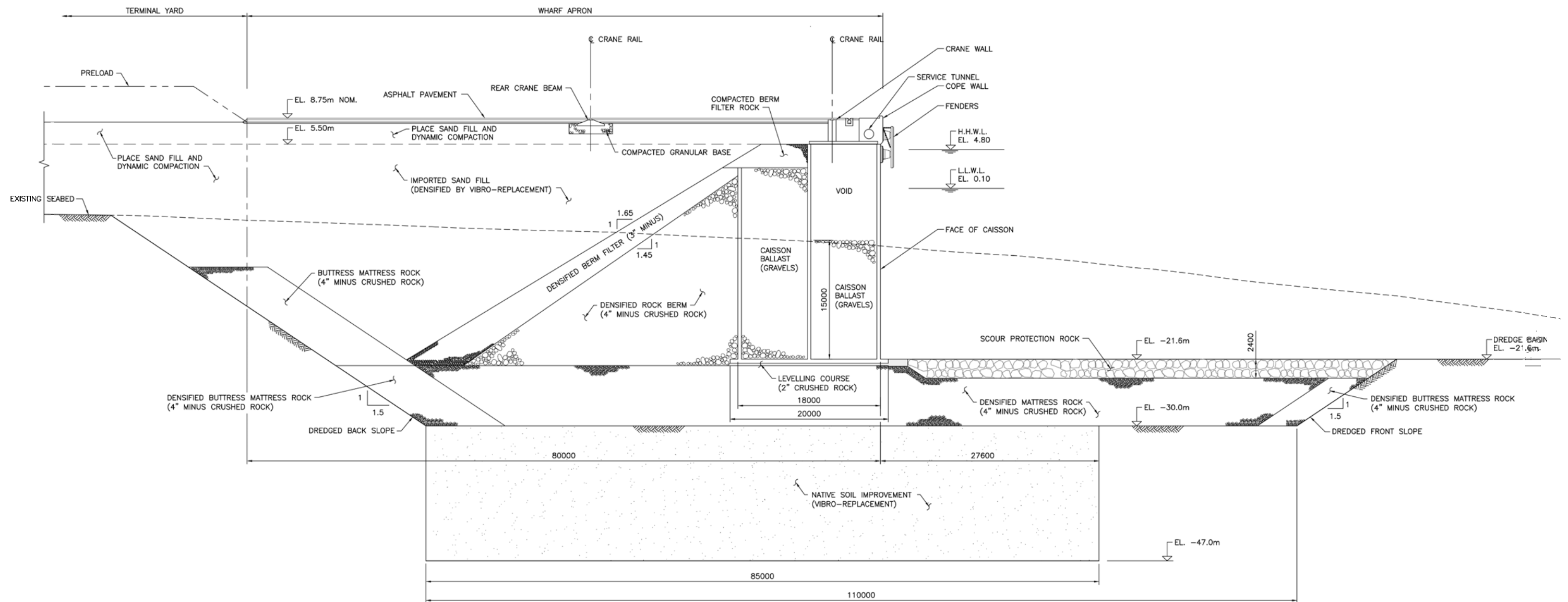
ROBERTS BANK TERMINAL 2

ROBERTS BANK BATHYMETRY

DATE: **12/17/2014**

FIG No. **4-3**





UNITS IN MM UNLESS OTHERWISE STATED

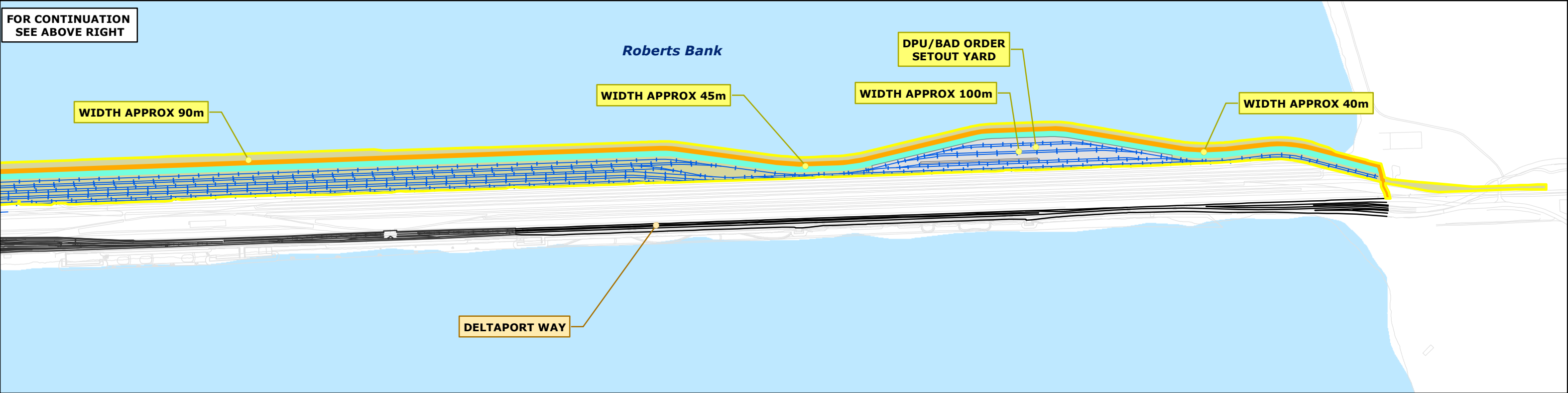
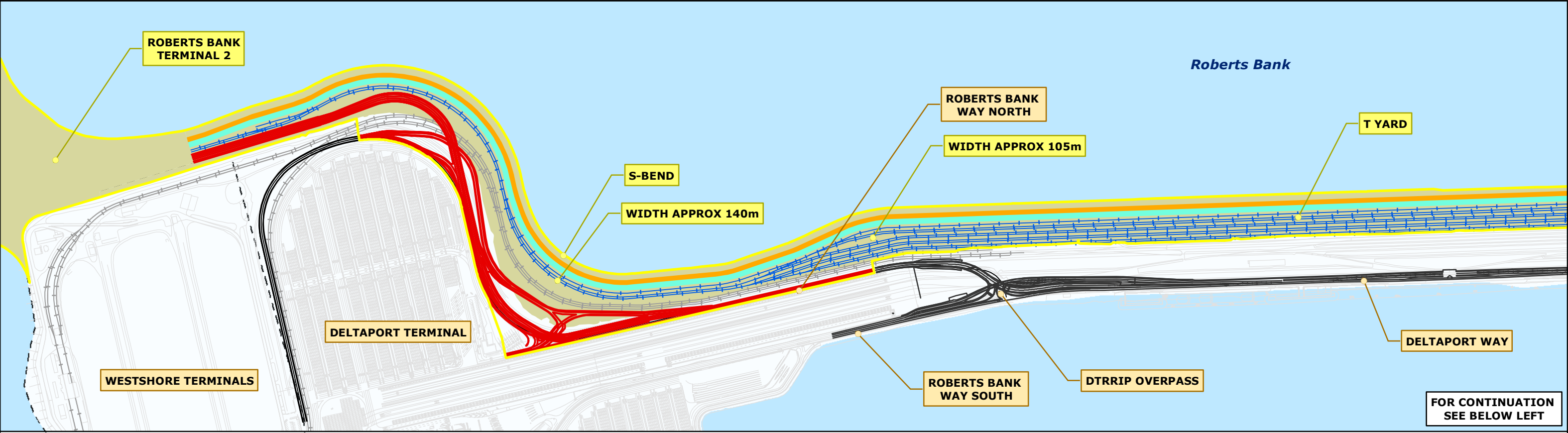


ROBERTS BANK TERMINAL 2

CROSS-SECTION OF CAISSON WHARF STRUCTURE

DATE:
12/17/2014

FIG No.
4-5



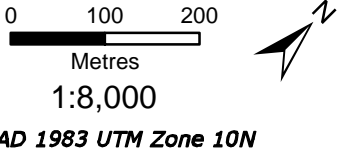
Legend

- RBT2 OVERPASS AND ACCESS ROAD
- RBT2 TRACKS
- WESTSHORE TRACKS
- EXISTING ACCESS/OVERPASS
- EXISTING FEATURE

- BOUNDARY OF PROJECT AREA
- RBT2 WIDENED CAUSEWAY
- RBT2 EMERGENCY ACCESS ROAD
- UTILITY CORRIDOR

- PROJECT COMPONENT
- EXISTING LANDMARK

WIDTHS SHOWN REPRESENT APPROXIMATE WIDTHS OF THE WIDENED CAUSEWAY AT THE POINT SHOWN.

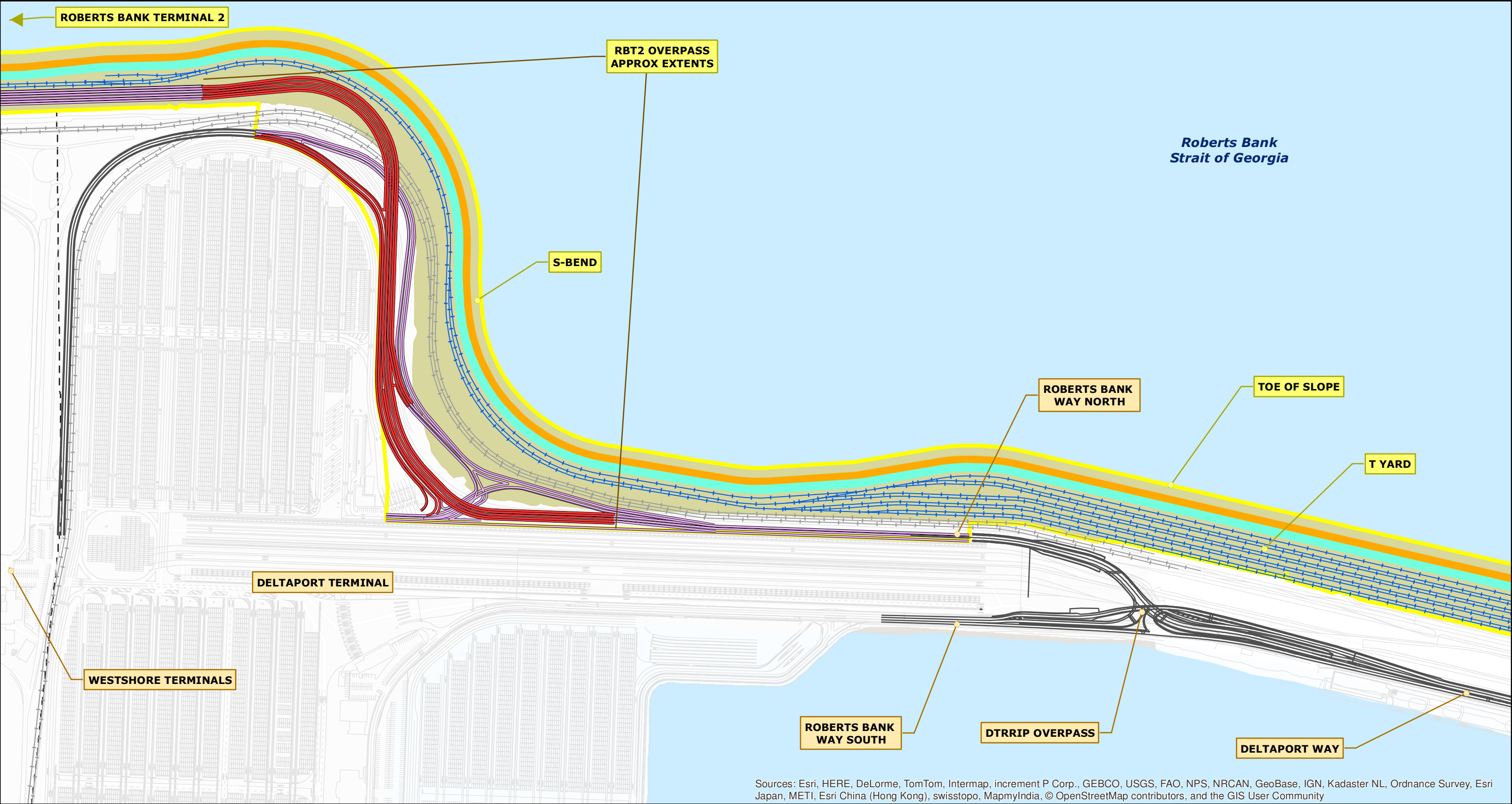


ROBERTS BANK TERMINAL 2











WIDENED CAUSEWAY LAYOUT

DATE: 12/17/2014

FIG No. 4-6

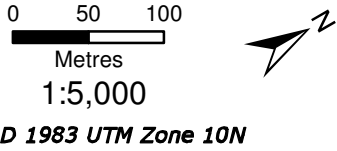


Legend

- | | |
|---|--|
|  RBT2 OVERPASS - ELEVATED |  EXISTING FEATURE |
|  RBT2 OVERPASS AND ACCESS ROAD - NON-ELEVATED |  BOUNDARY OF PROJECT AREA |
|  RBT2 TRACKS |  RBT2 WIDENED CAUSEWAY |
|  WESTSHORE TRACKS |  RBT2 EMERGENCY ACCESS ROAD |
|  EXISTING ACCESS/OVERPASS |  UTILITY CORRIDOR |

PROJECT COMPONENT

EXISTING LANDMARK

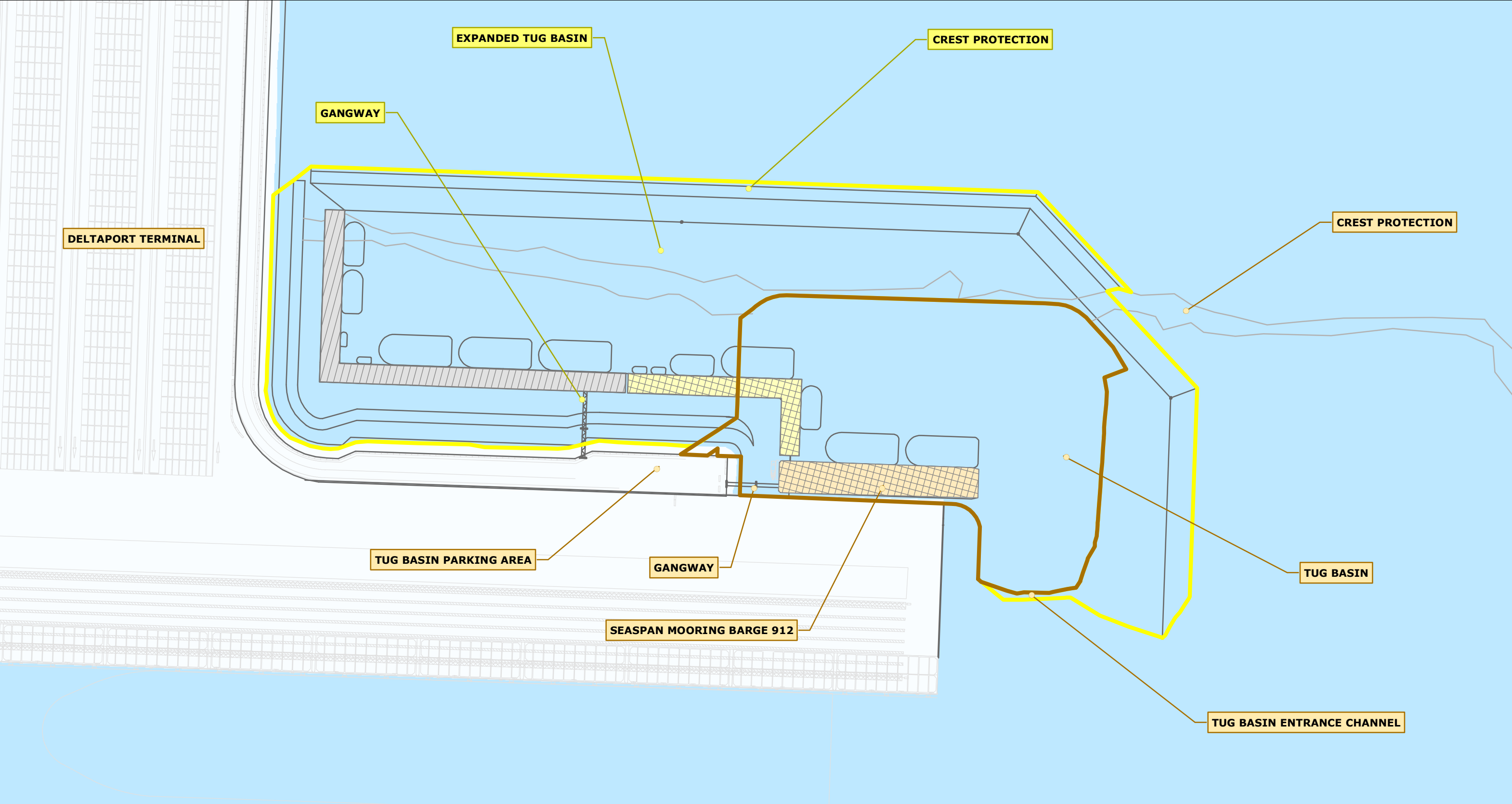


ROBERTS BANK TERMINAL 2

RBT2 OVERPASS AND ROAD CONNECTION

DATE:
12/17/2014

FIG No.
4-7

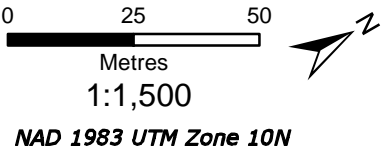


Legend

- OPERATOR 1 MOORAGE ZONE
- OPERATOR 2 MOORAGE ZONE
- EXPANDED TUG BASIN PERIMETER
- EXISTING TUG BASIN PERIMETER

PROJECT COMPONENT

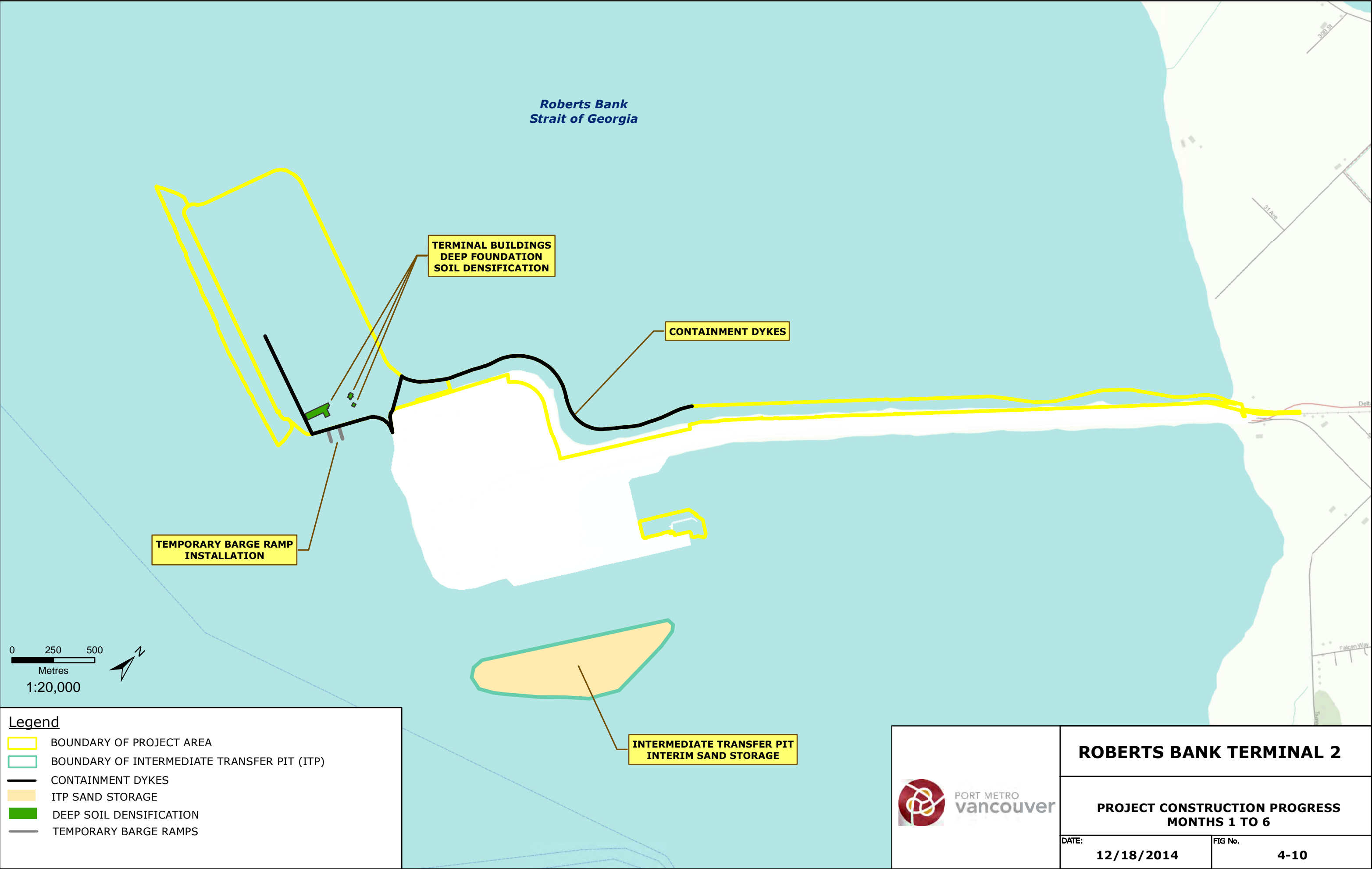
EXISTING LANDMARK



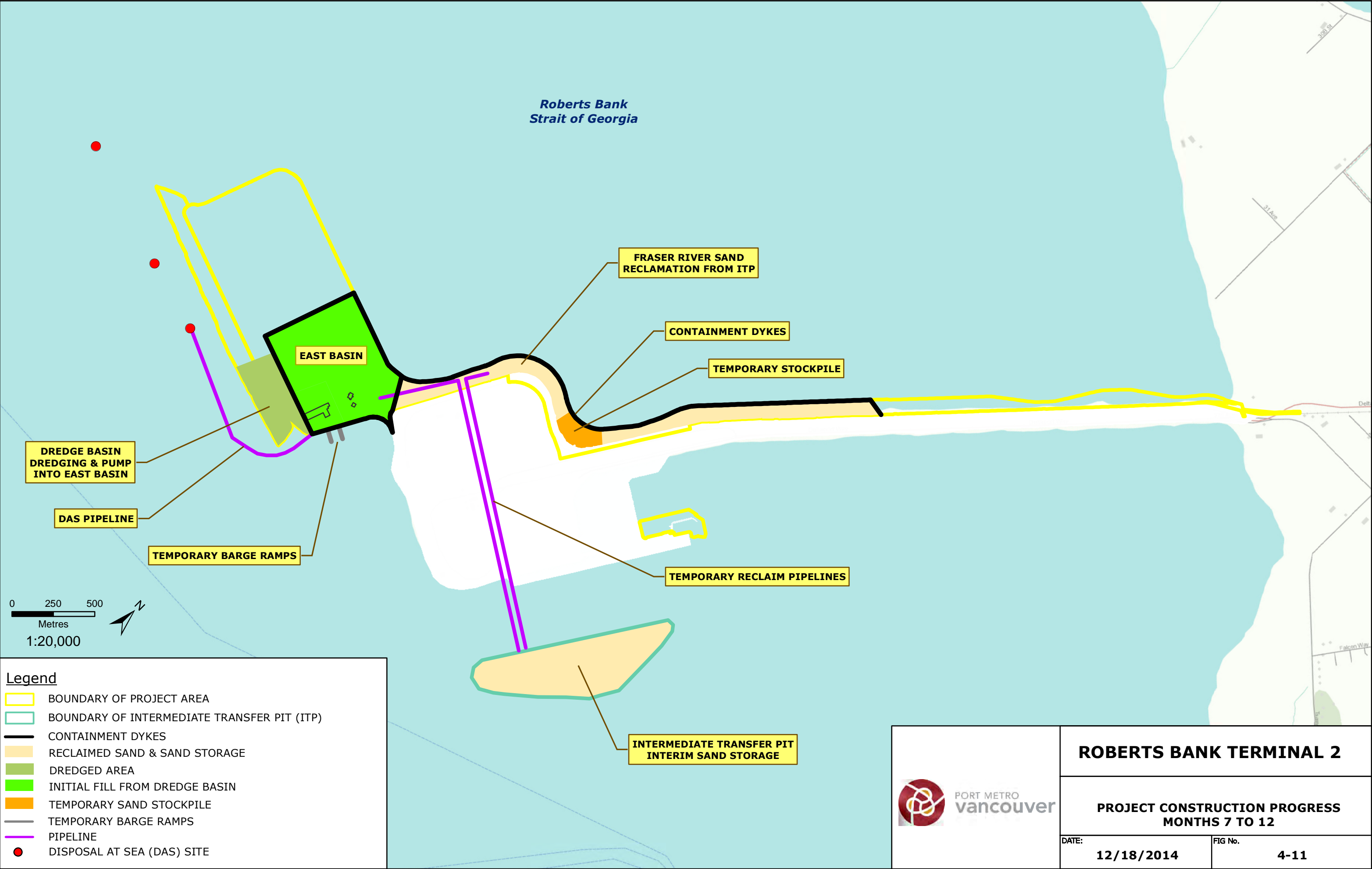
ROBERTS BANK TERMINAL 2

EXPANDED TUG BASIN LAYOUT

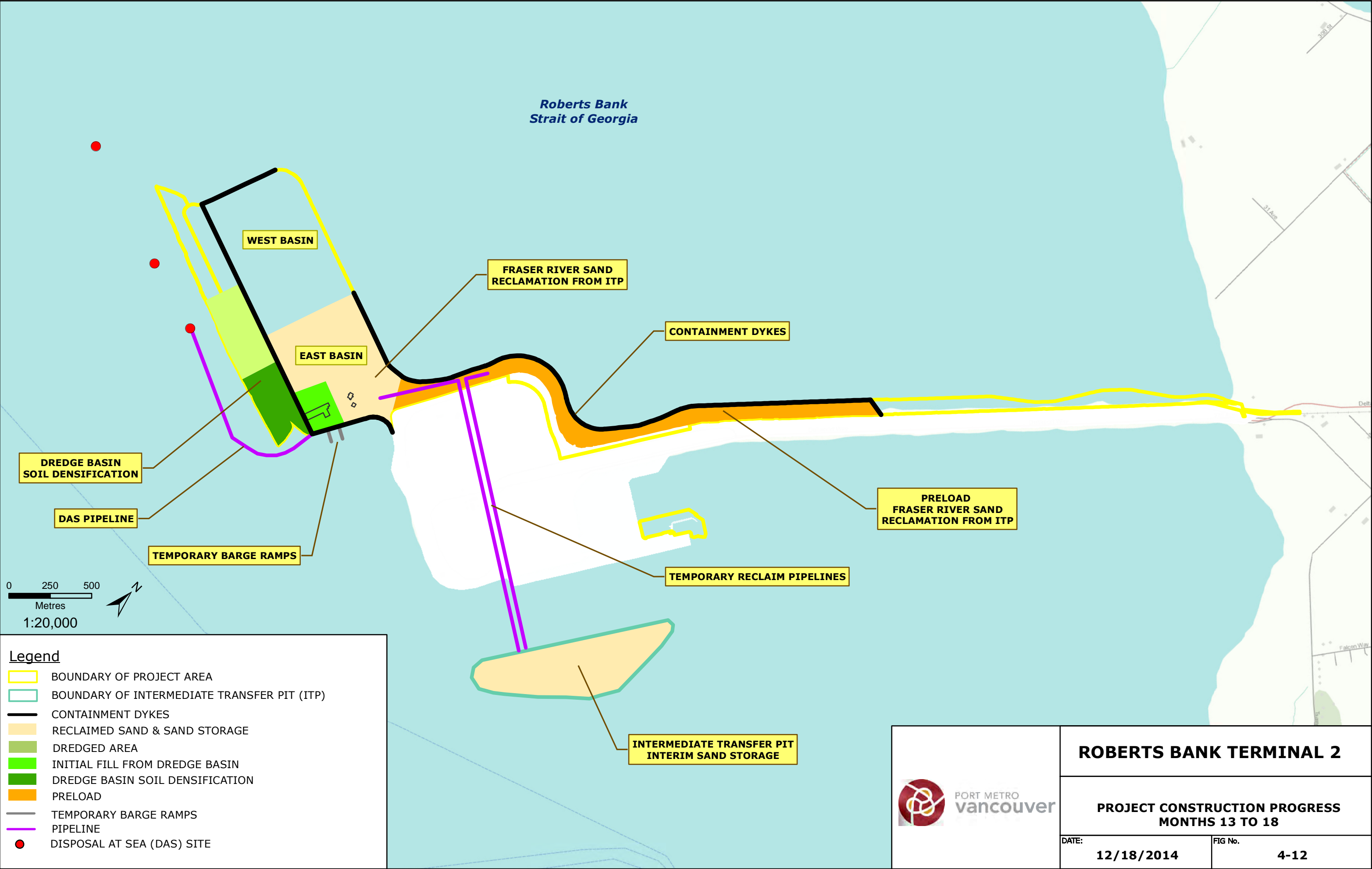
DATE:	FIG No.
12/17/2014	4-8

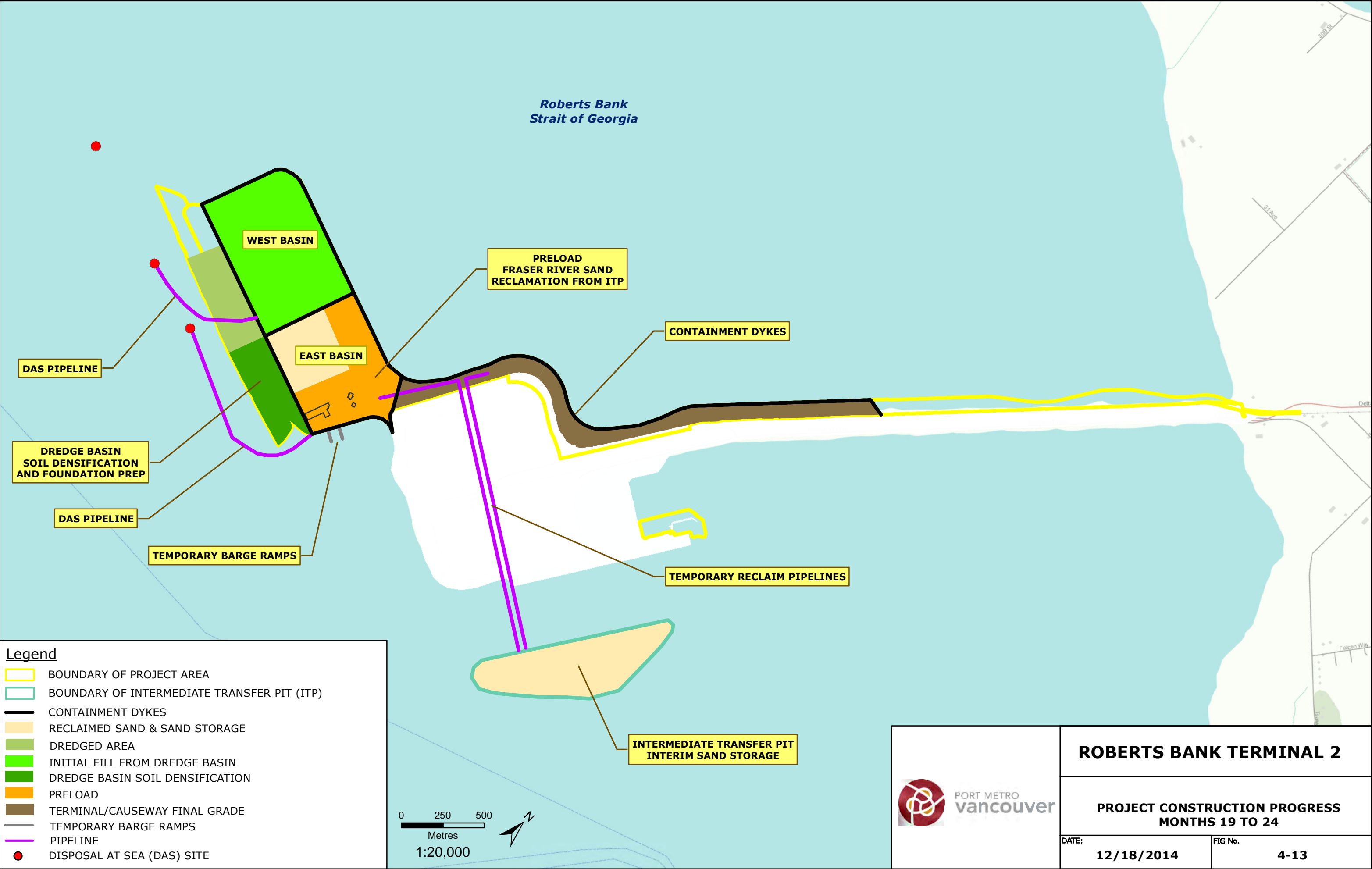


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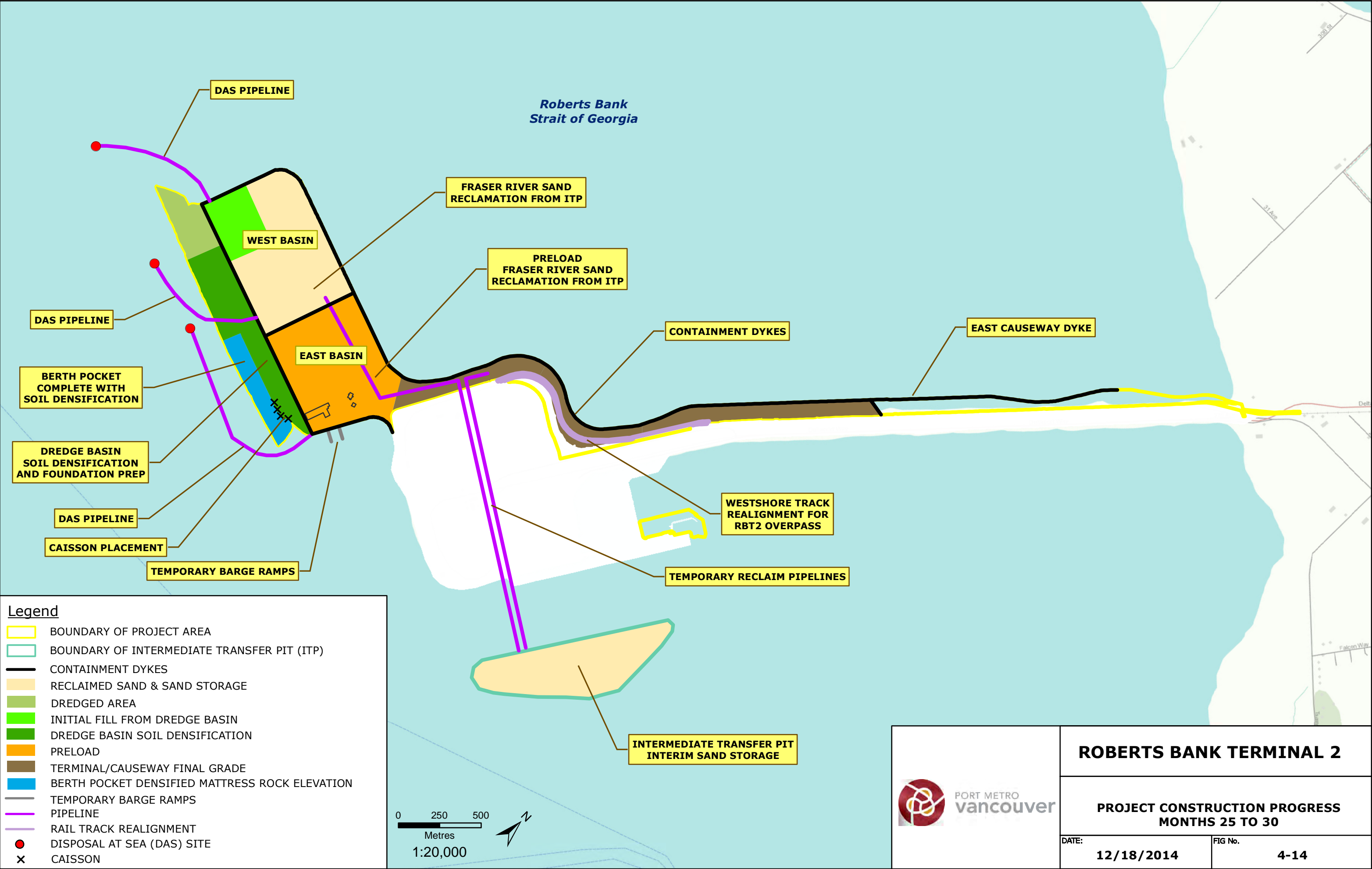


Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

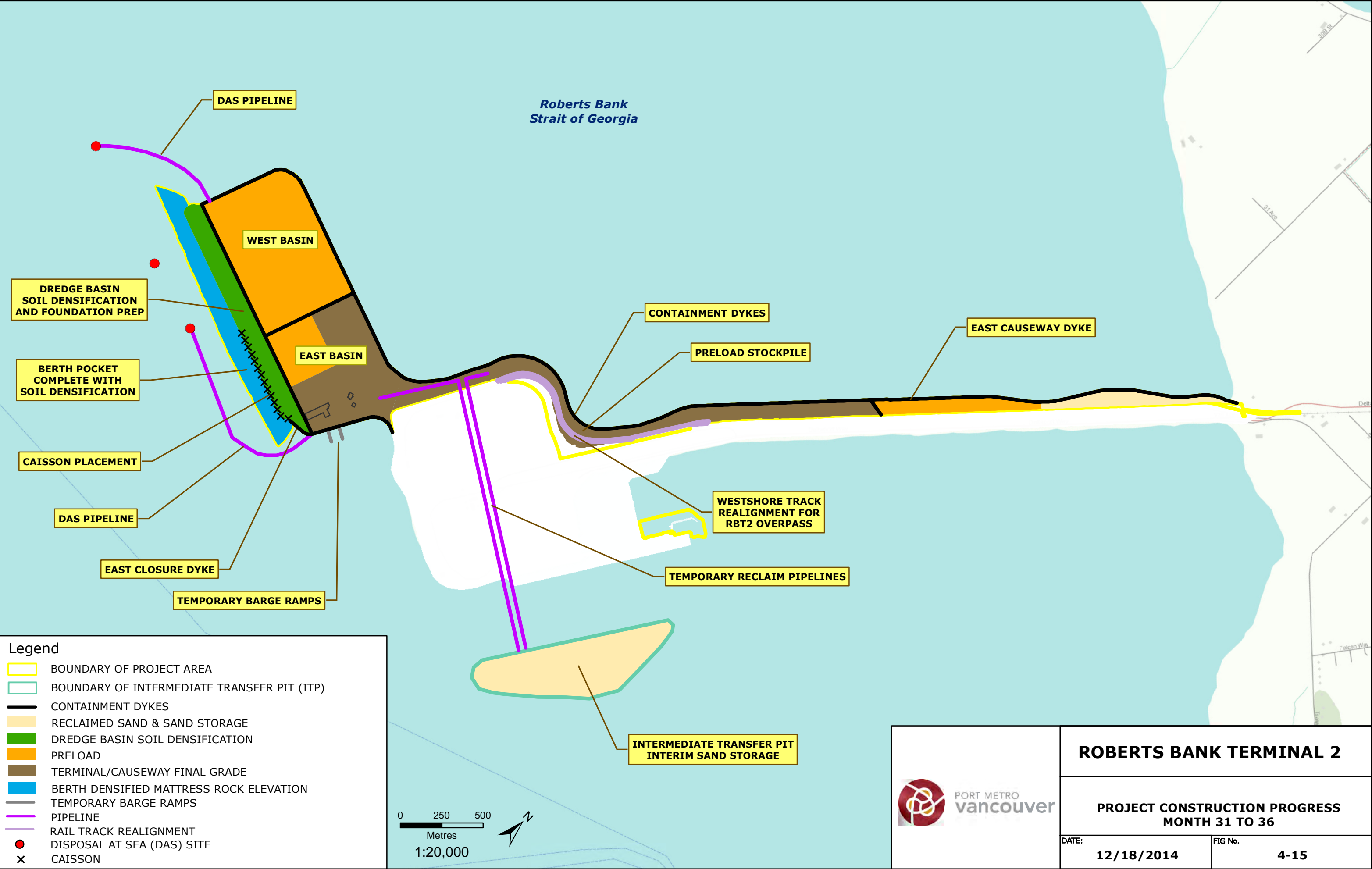




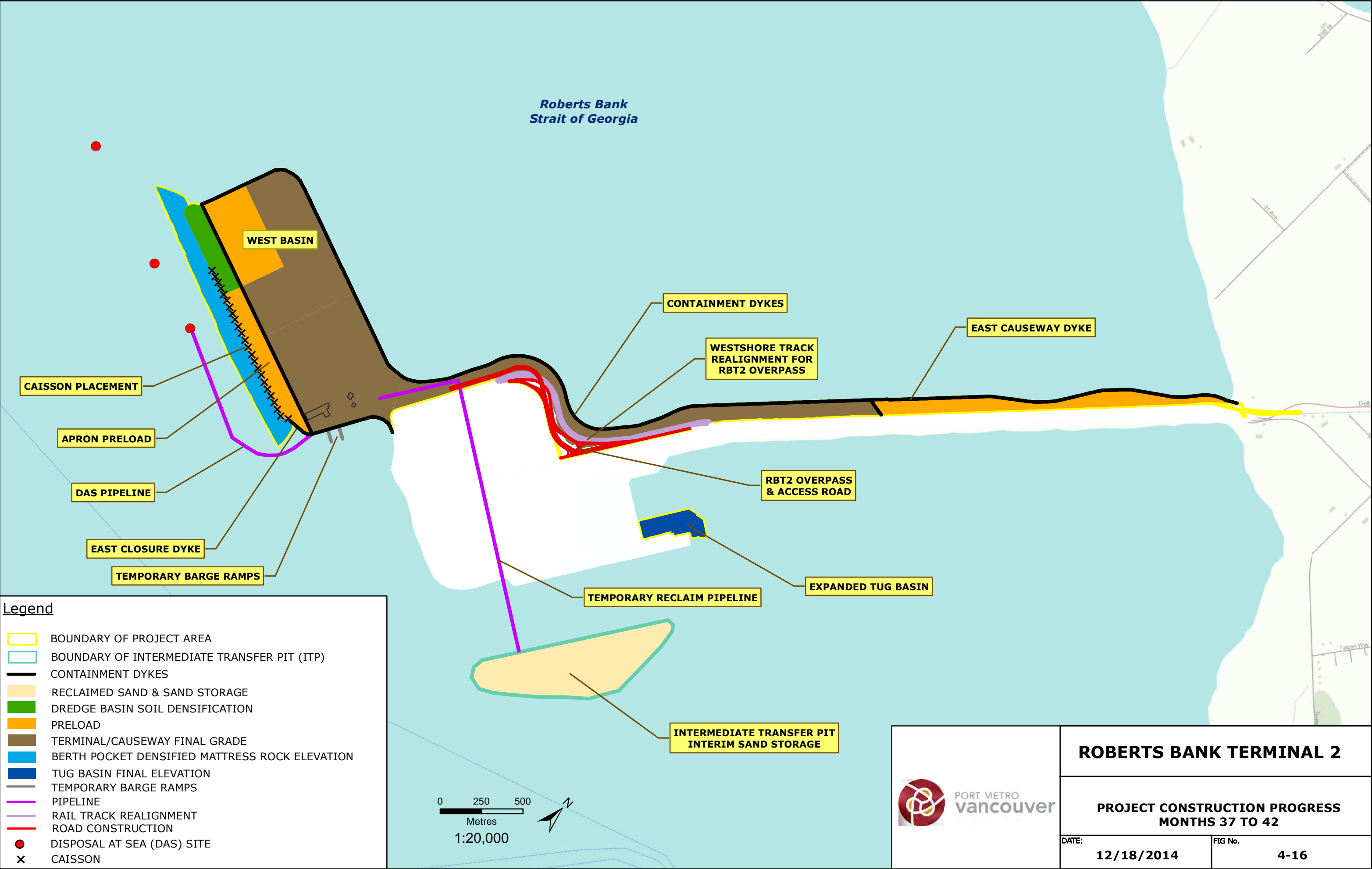
Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



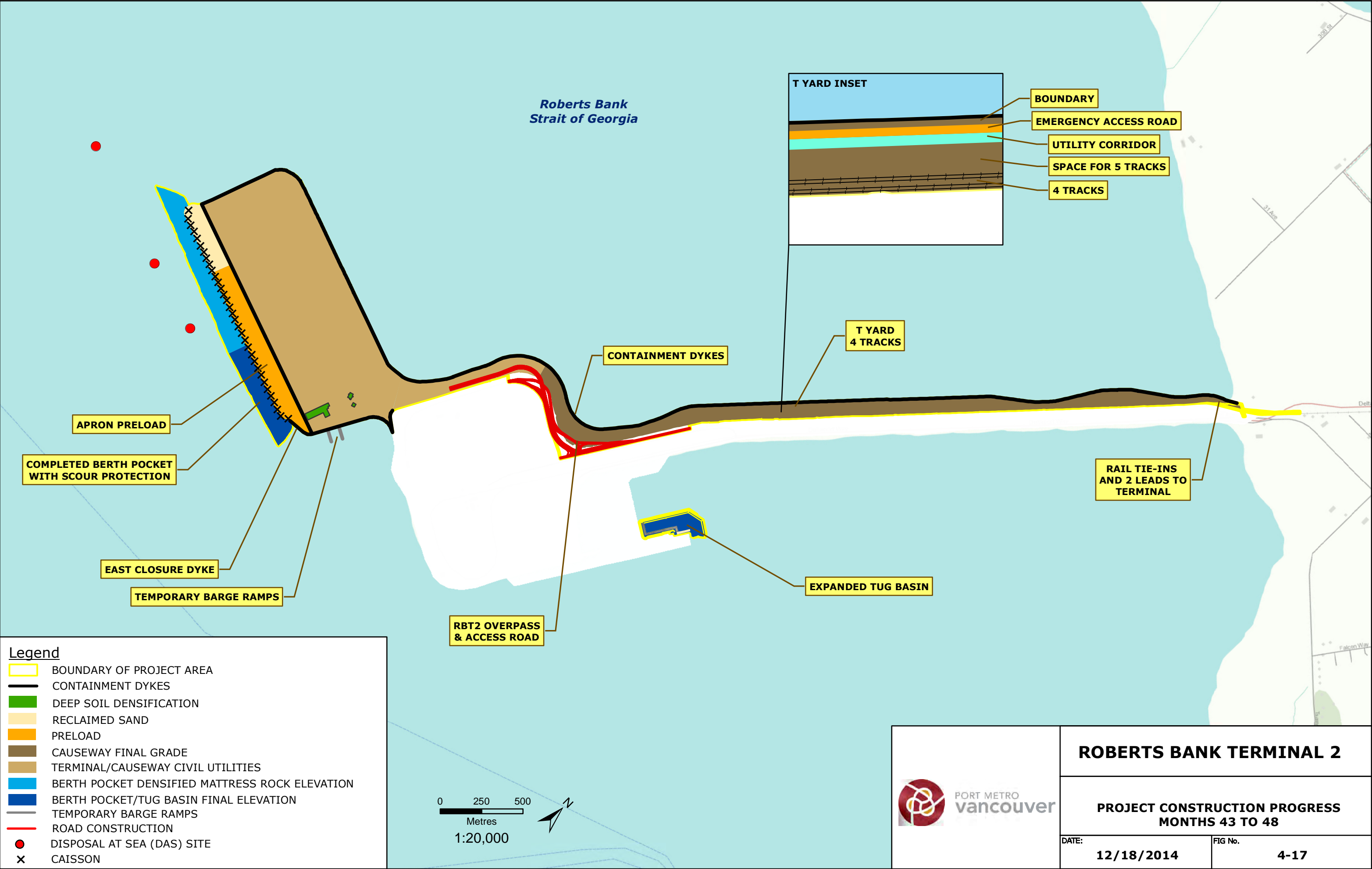
Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



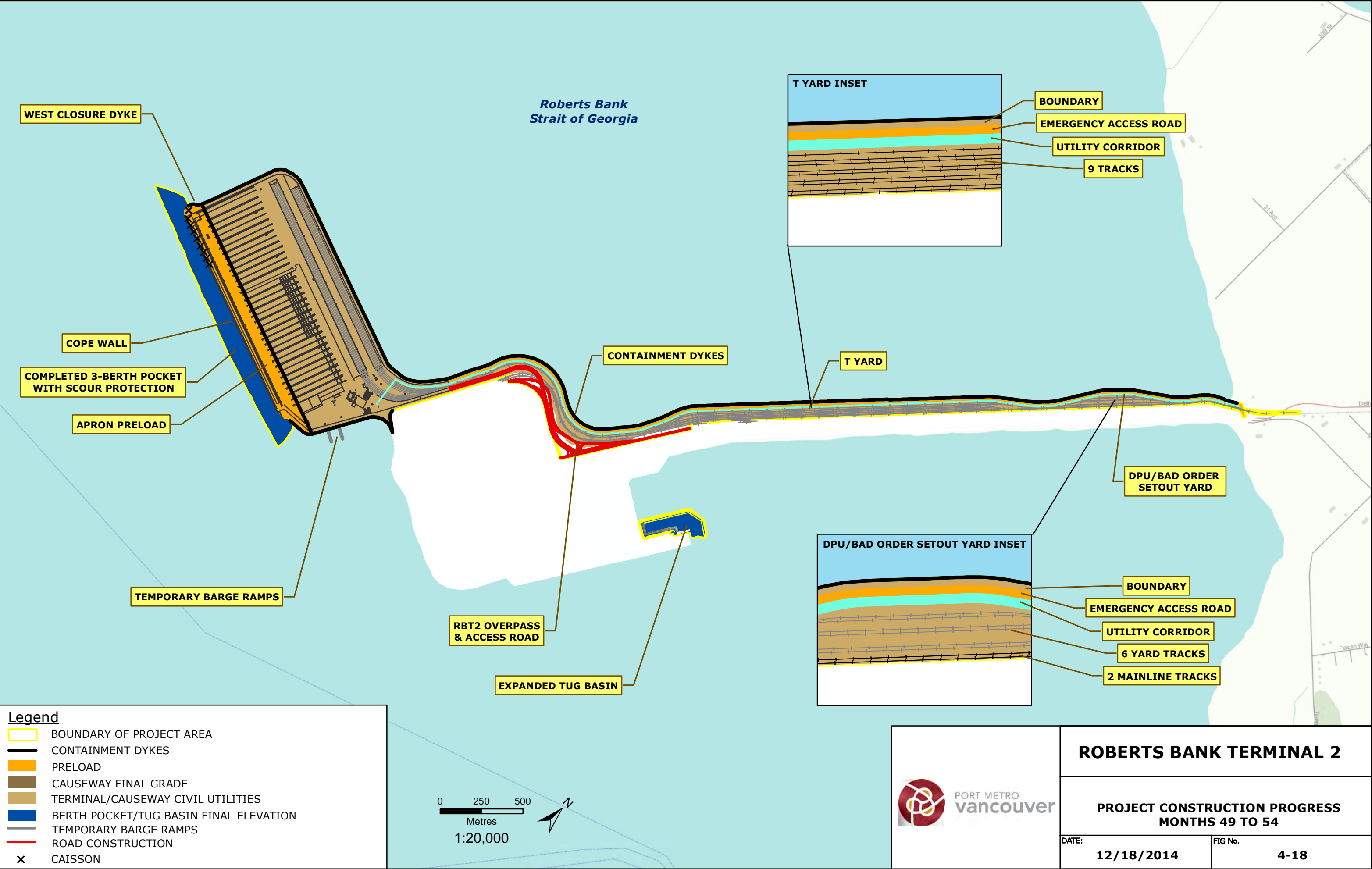
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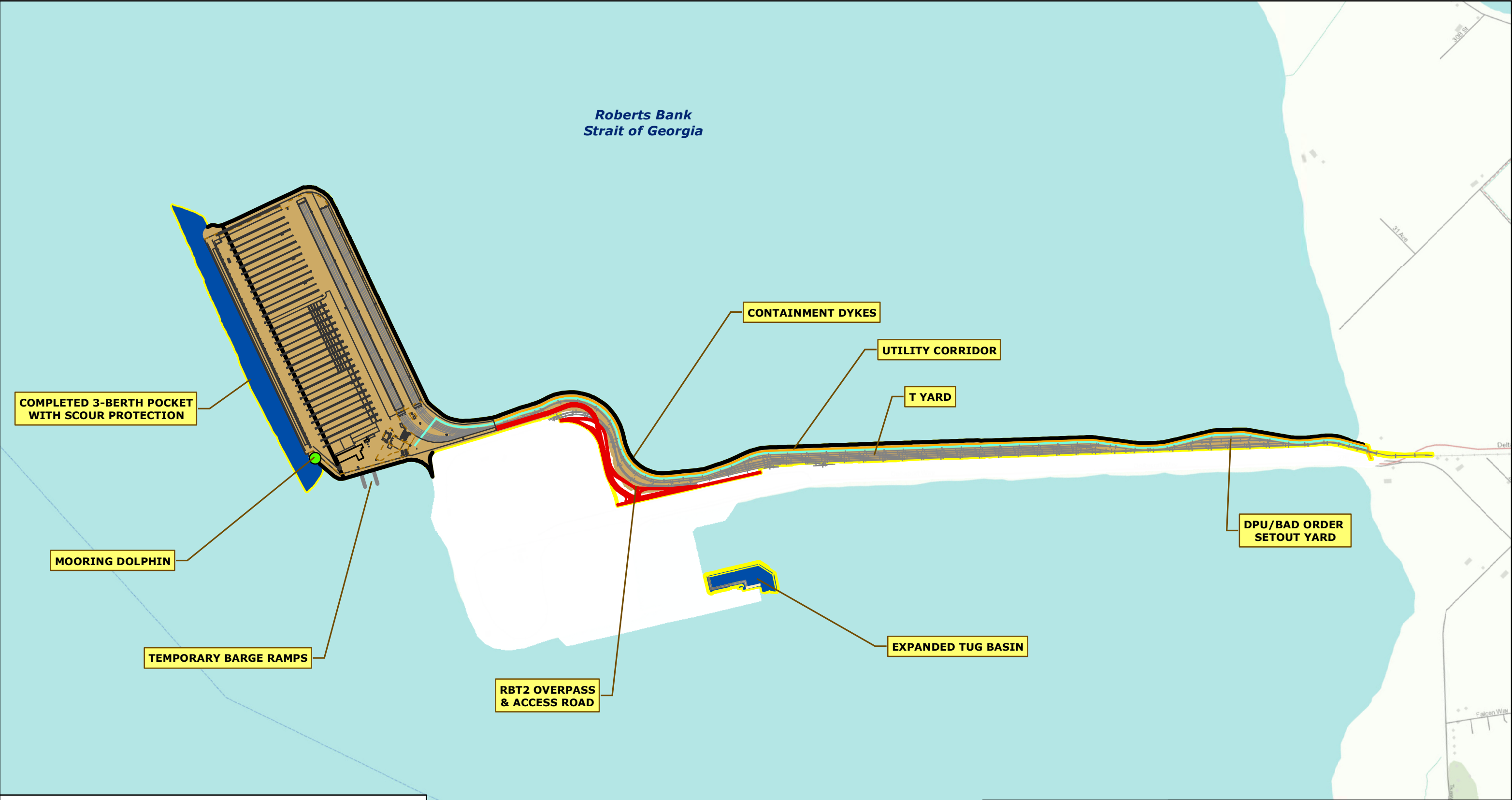
Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

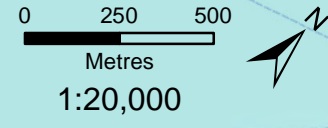


Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

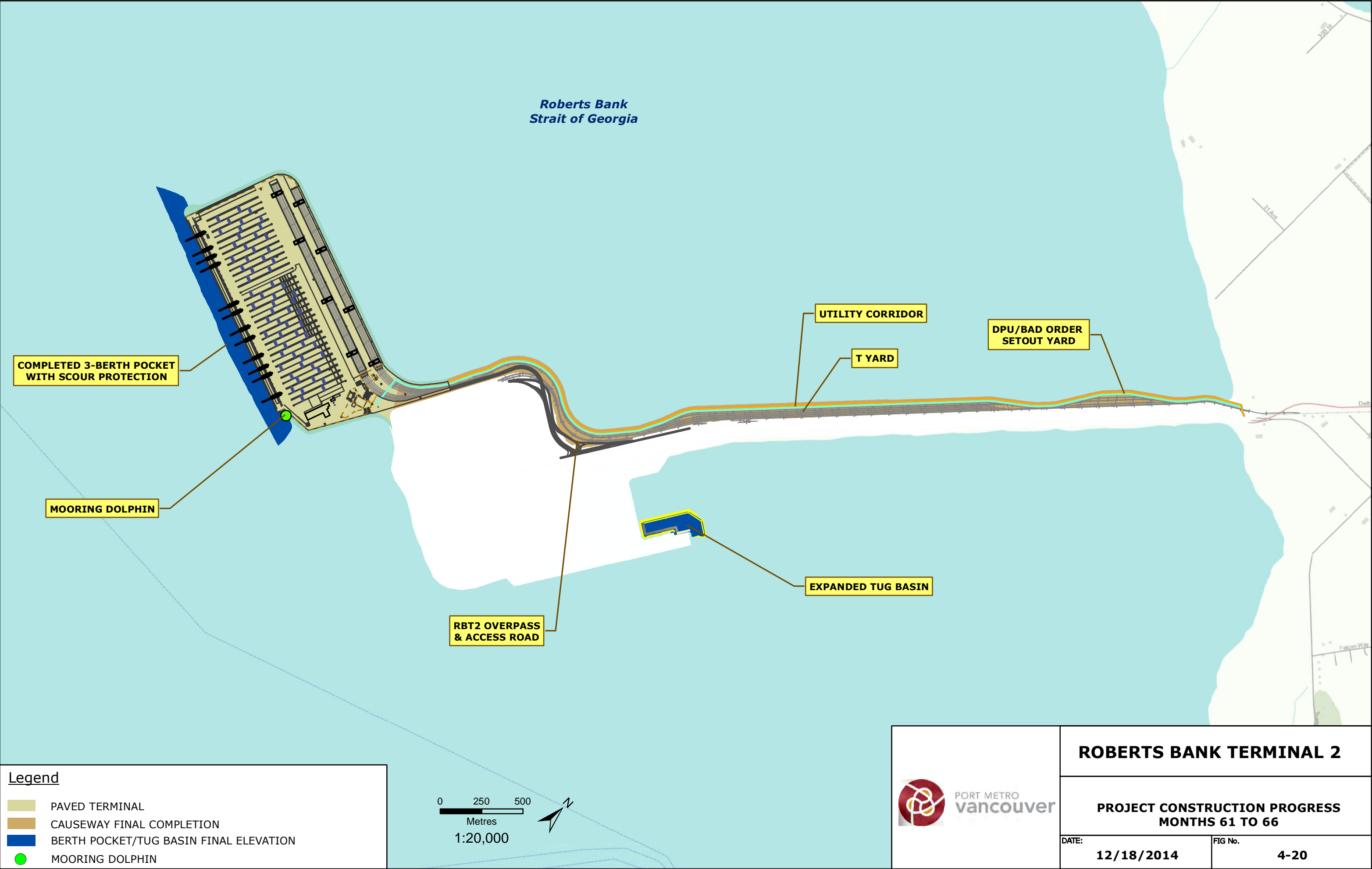


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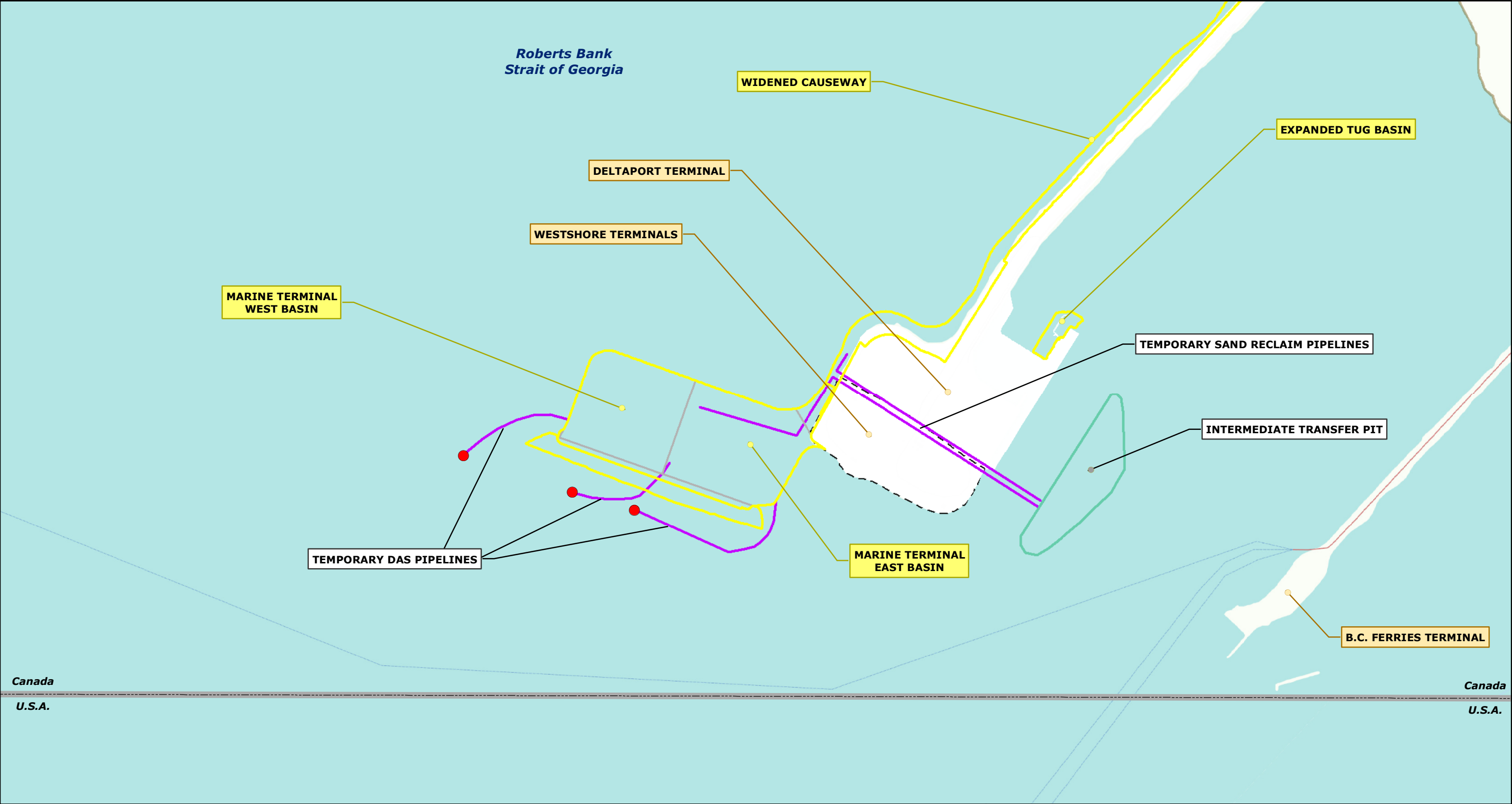
- BOUNDARY OF PROJECT AREA
- CONTAINMENT DYKES
- TERMINAL/CAUSEWAY CIVIL AND ELECTRICAL UTILITIES
- BERTH POCKET/TUG BASIN FINAL ELEVATION
- TEMPORARY BARGE RAMPS
- ROAD CONSTRUCTION
- MOORING DOLPHIN



ROBERTS BANK TERMINAL 2	
PROJECT CONSTRUCTION PROGRESS MONTHS 55 TO 60	
DATE: 12/18/2014	FIG No. 4-19



Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



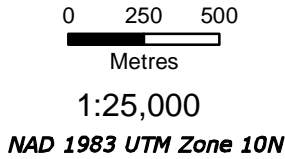
Legend

- BOUNDARY OF PROJECT AREA
- INTERMEDIATE TRANSFER PIT
- DISPOSAL AT SEA CANDIDATE LOCATION

- PIPELINE
- U.S.A.-CANADA BORDER

PROJECT COMPONENT

EXISTING LANDMARK



ROBERTS BANK TERMINAL 2

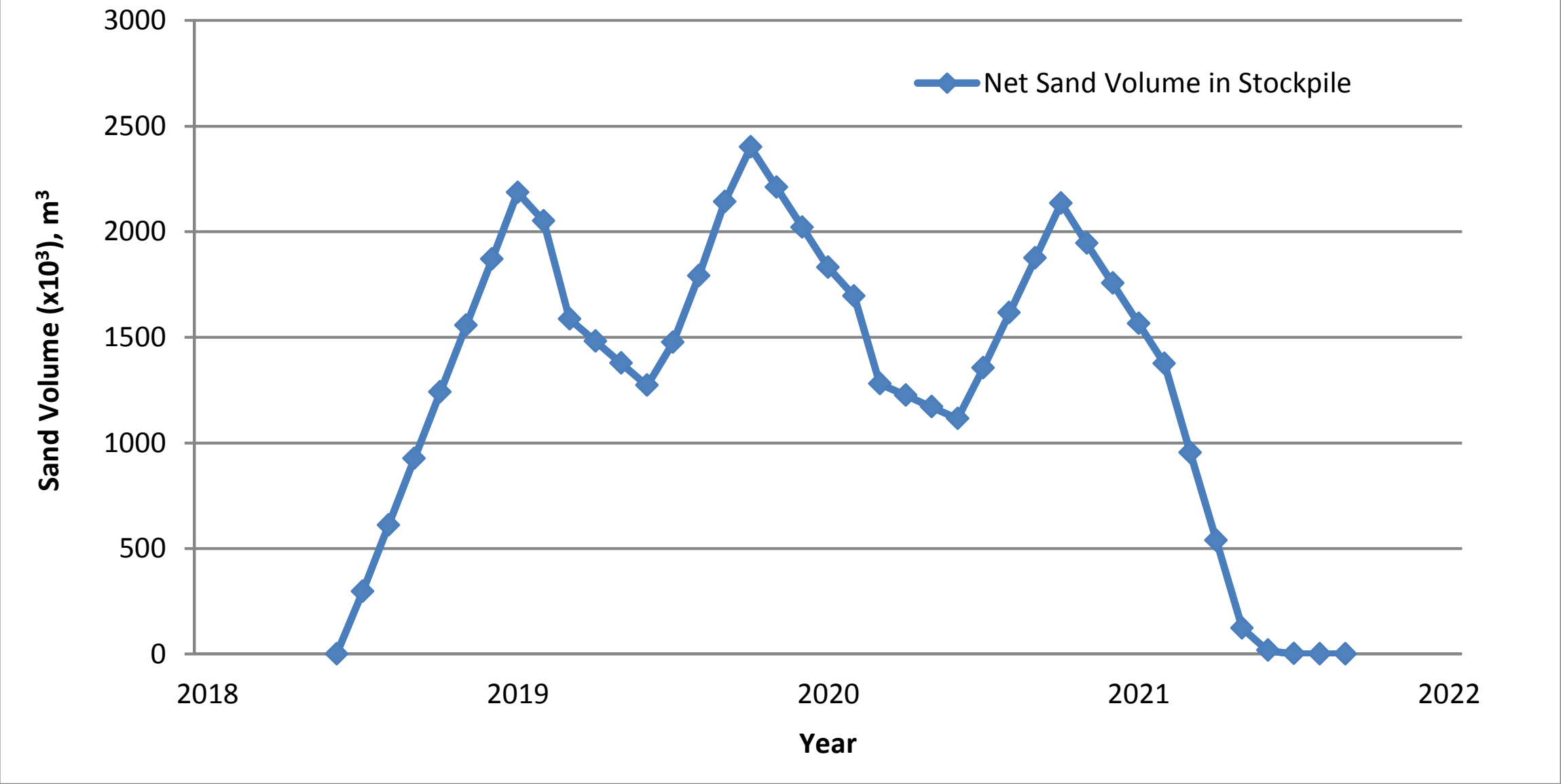
INTERMEDIATE TRANSFER PIT AND DISPOSAL AT SEA CANDIDATE LOCATIONS

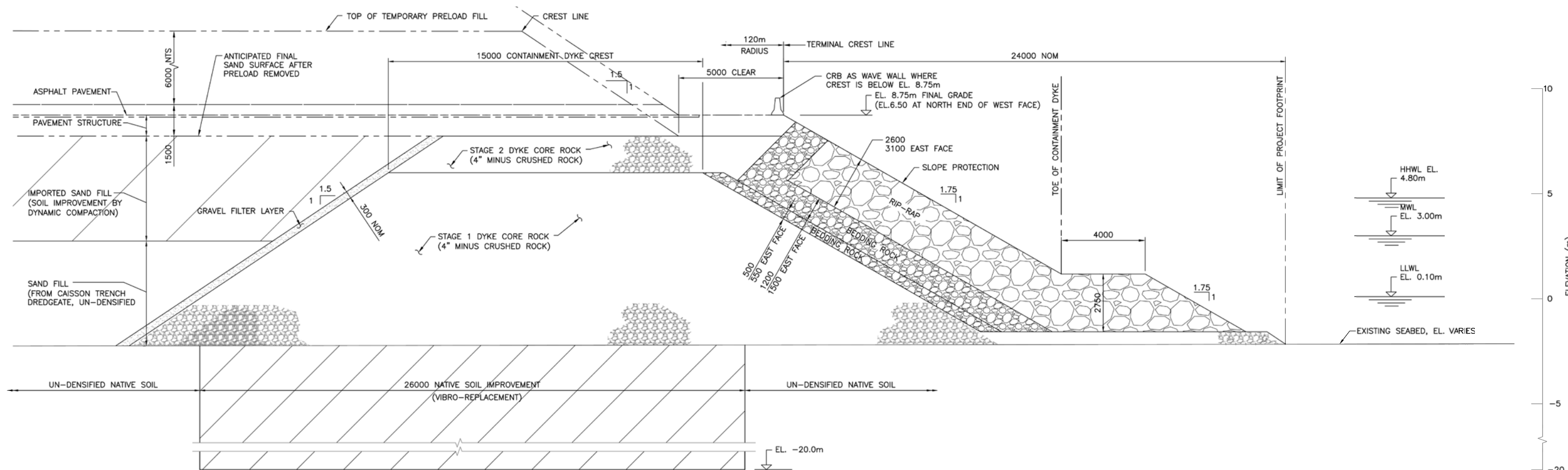
DATE: 12/17/2014

FIG No. 4-21

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Anticipated Net Sand Volume at ITP (2018-2021)





UNITS IN MM UNLESS OTHERWISE STATED



ROBERTS BANK TERMINAL 2

REPRESENTATIVE CROSS-SECTION OF A CONTAINMENT DYKE AT THE MARINE TERMINAL

DATE:
12/17/2014

FIG No.
4-23

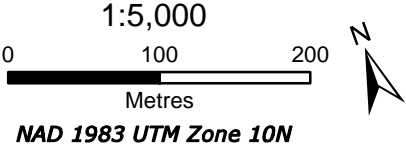
102.7 ha
(total marine terminal area = 102.7 + 13.4 = 116.1 ha)
(total marine footprint = 116.1 + 17.4 = 133.5 ha)

13.4 ha

17.4 ha

Legend

- DREDGE BASIN OUTLINE (TOTAL AREA 30.8 ha)
- DREDGED BERTH POCKET AND MARINE APPROACHES (17.4 ha)
- DREDGED CAISSON TRENCH (13.4 ha)
- NON DREDGED MARINE TERMINAL (102.7 ha)

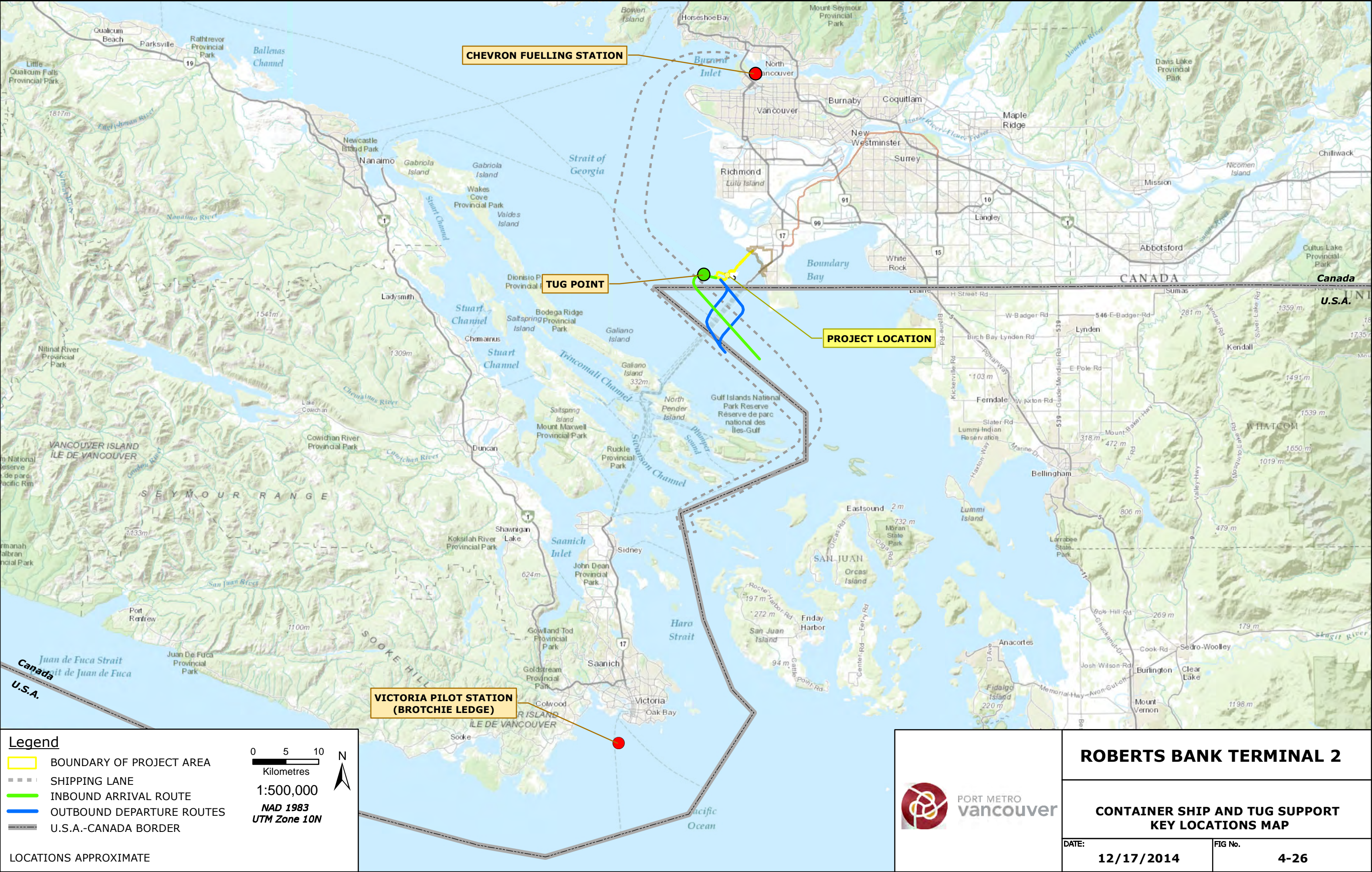


ROBERTS BANK TERMINAL 2

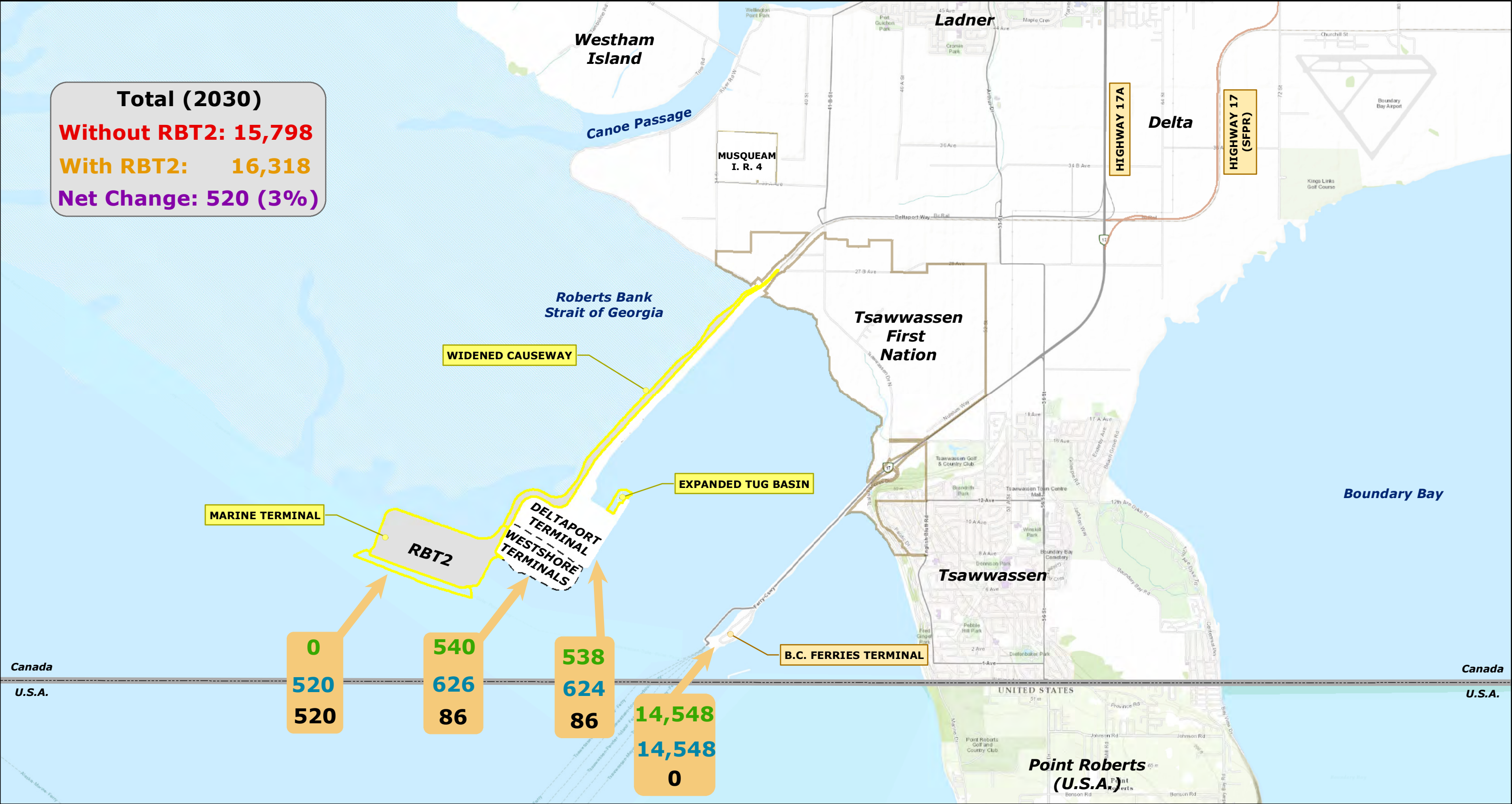
PLAN VIEW OF DREDGE BASIN
AND MARINE TERMINAL AREAS

DATE: 12/17/2014

FIG No. 4-24



Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Legend

SHIP MOVEMENTS:

2012
2030 estimate
NET CHANGE

- BOUNDARY OF PROJECT AREA
- U.S.A.-CANADA BORDER

0 0.5 1
Kilometres
1:50,000
NAD 1983 UTM Zone 10N

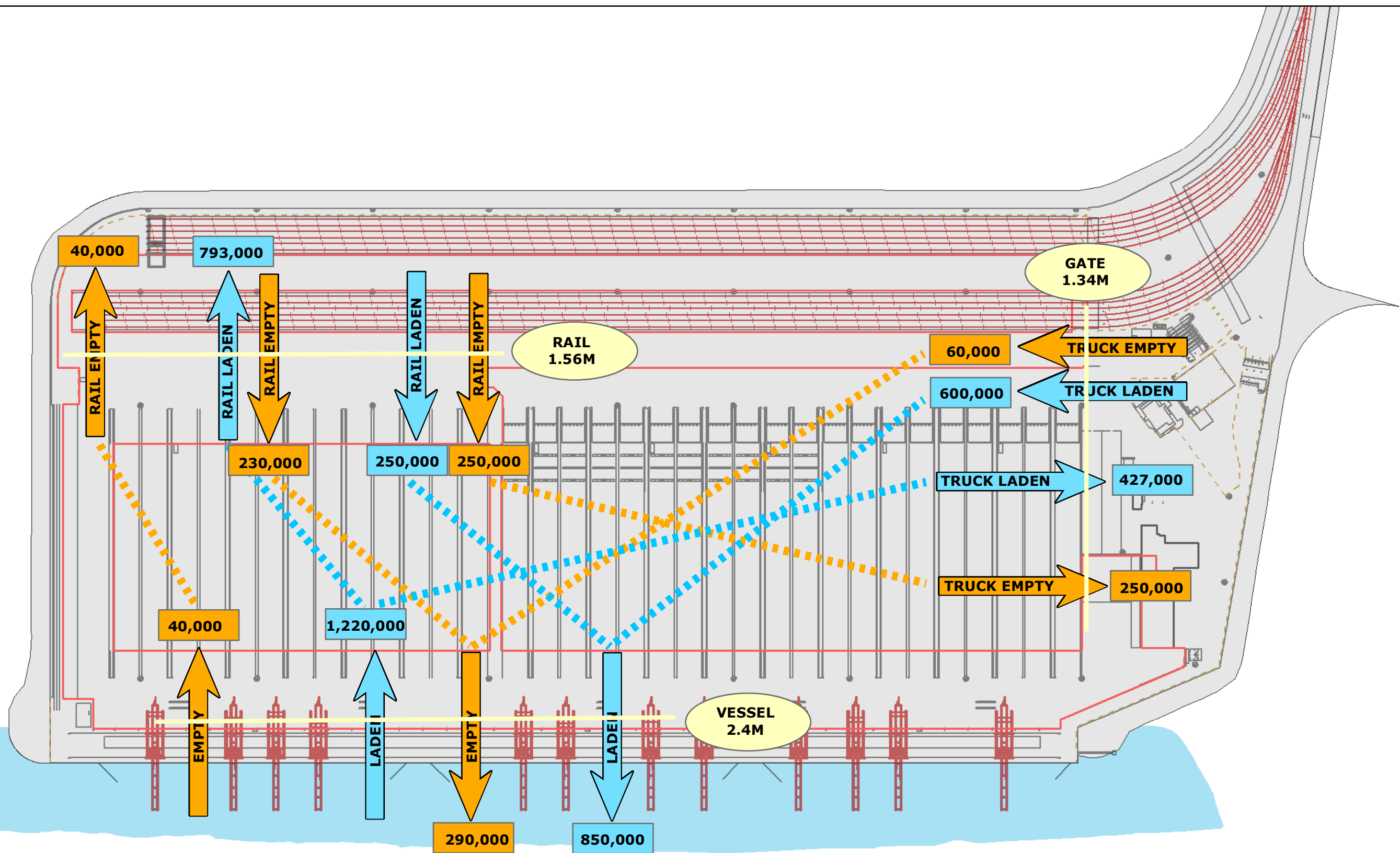


ROBERTS BANK TERMINAL 2

**SHIP TRAFFIC
ANNUAL SHIP MOVEMENTS
FOR 2012 AND 2030**

DATE:	FIG No.
12/18/2014	4-27

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Note:
SOURCE (AECOM, 2012a).
VALUES UPDATED TO 65:35
RAIL/TRUCK INTERMODAL SPLIT
OF IMPORT CONTAINERS FROM
PREVIOUS 70:30 IN THE SOURCE DOCUMENT.

1:5,000
0 100 200
Metres
NAD 1983 UTM Zone 10N

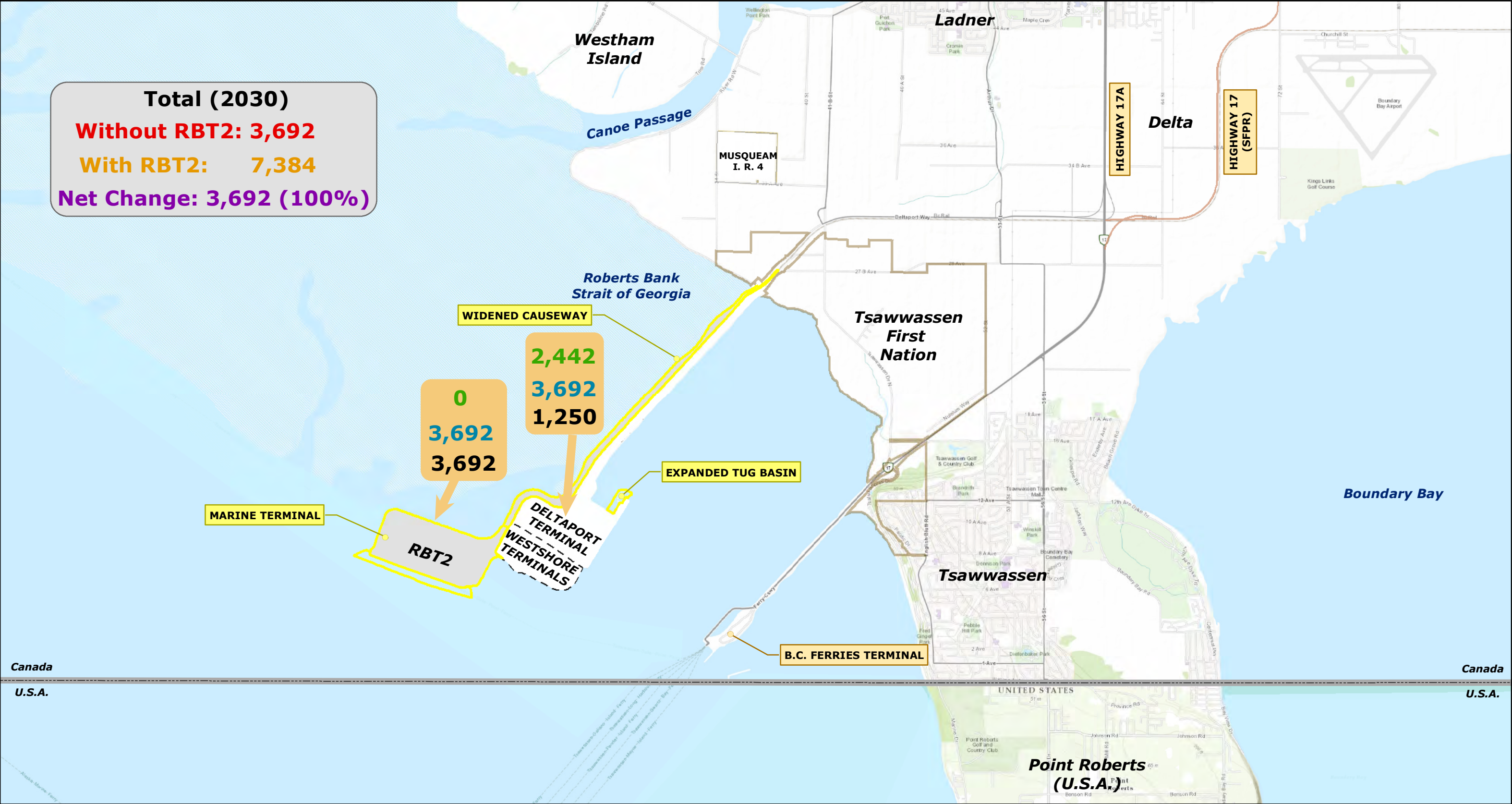


ROBERTS BANK TERMINAL 2

TERMINAL CONTAINER FLOW DIAGRAM

DATE:
12/17/2014

FIG No.
4-28



Legend

TRUCK MOVEMENTS:

2012
2030 ESTIMATE
NET CHANGE

- BOUNDARY OF PROJECT AREA
U.S.A.-CANADA BORDER

0 0.5 1
Kilometres
1:50,000
NAD 1983 UTM Zone 10N



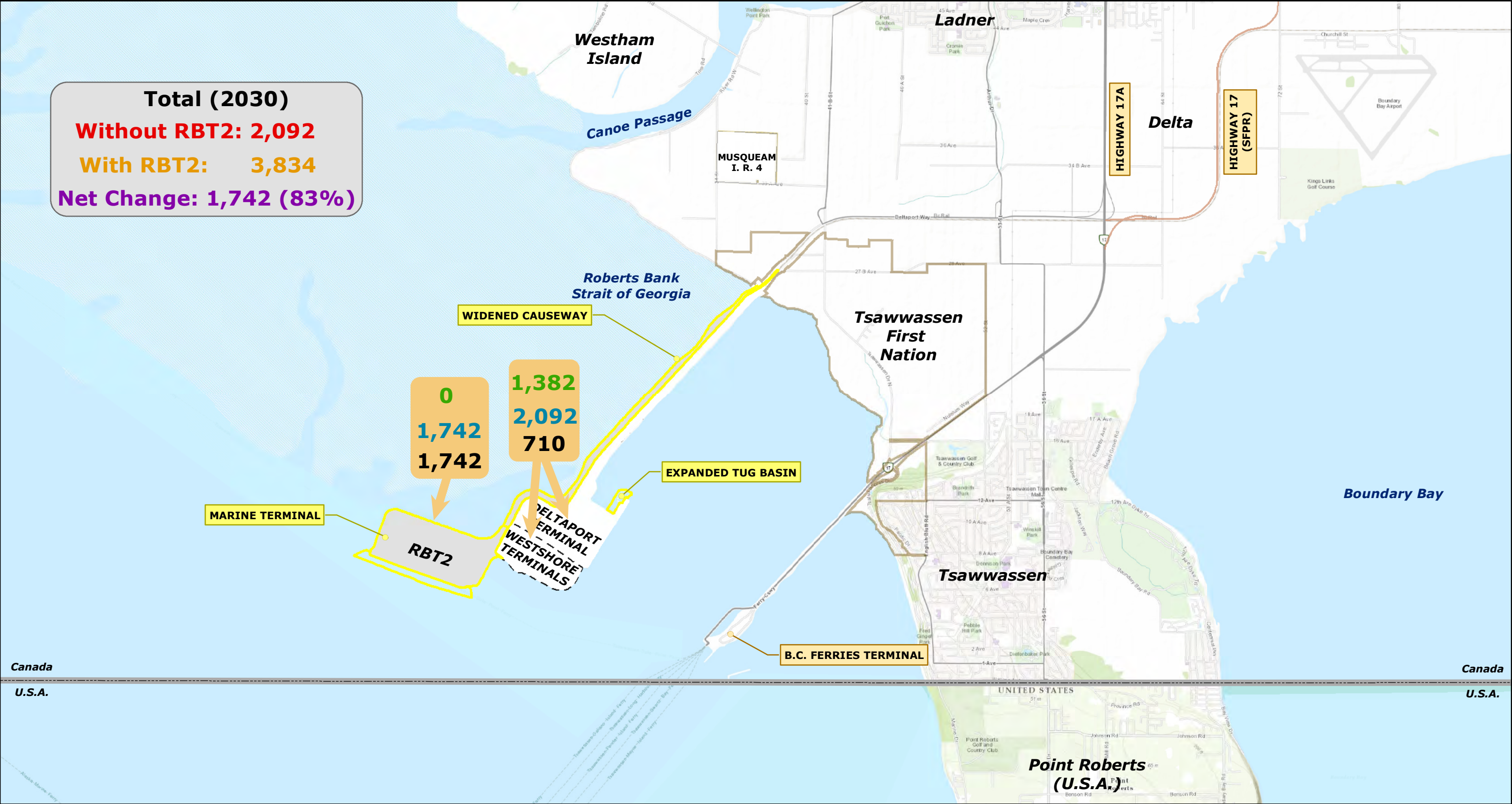
PORT METRO
vancouver

ROBERTS BANK TERMINAL 2

CONTAINER TRUCK DRAYAGE
DAILY AVERAGE MOVEMENTS
FOR 2012 AND 2030

DATE:
12/18/2014

FIG No.
4-30



Legend

OTHER VEHICLE MOVEMENTS:

2012

2030 ESTIMATE

NET CHANGE

BOUNDARY OF PROJECT AREA

U.S.A.-CANADA BORDER

0 0.5 1

Kilometres

1:50,000

NAD 1983 UTM Zone 10N

PORT METRO

vancouver

ROBERTS BANK TERMINAL 2

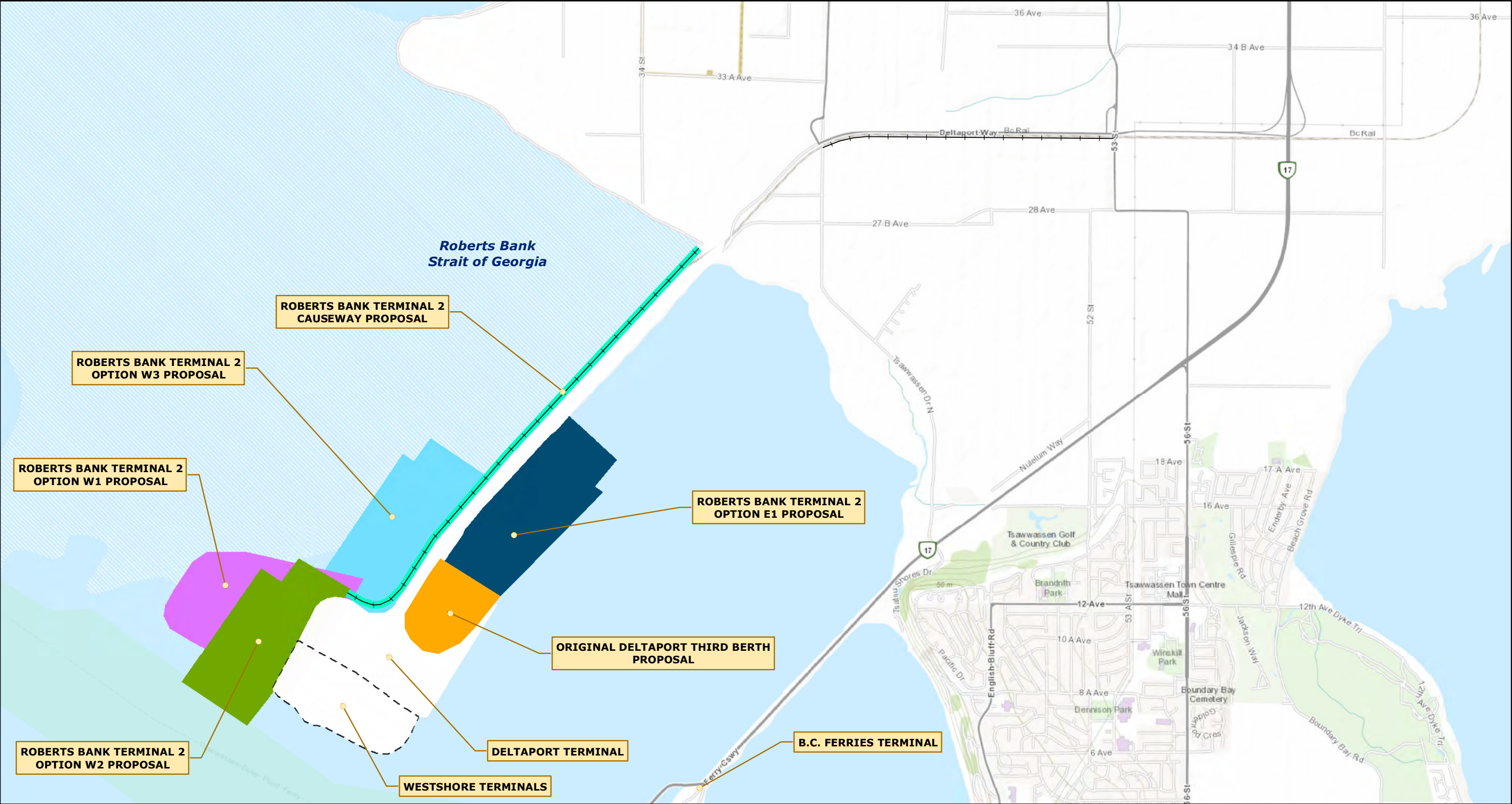
OTHER VEHICLE TRAFFIC

DAILY AVERAGE MOVEMENTS

FOR 2012 AND 2030

DATE:	FIG No.
12/18/2014	4-31

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



0250500

Metres

1:30,000

NAD 1983 UTM Zone 10N

N

PORT METRO

vancouver

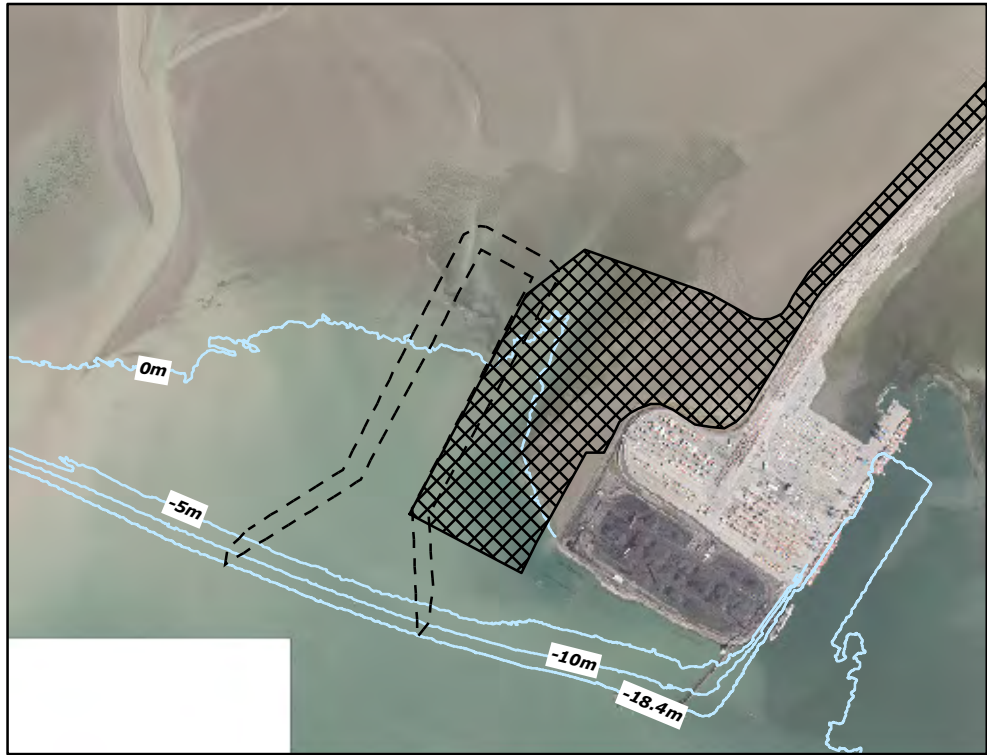
ROBERTS BANK TERMINAL 2

LOCATION OPTIONS PROPOSED DURING 2003-2004 PRELIMINARY PLANNING

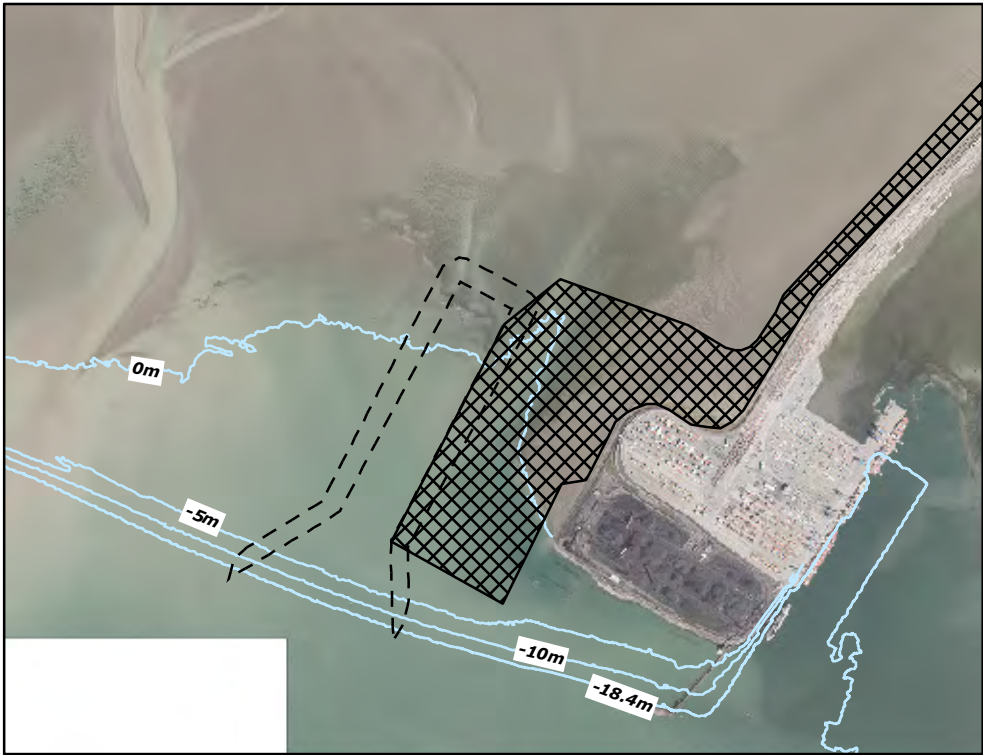
DATE:12/18/2014

FIG No.5-2

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



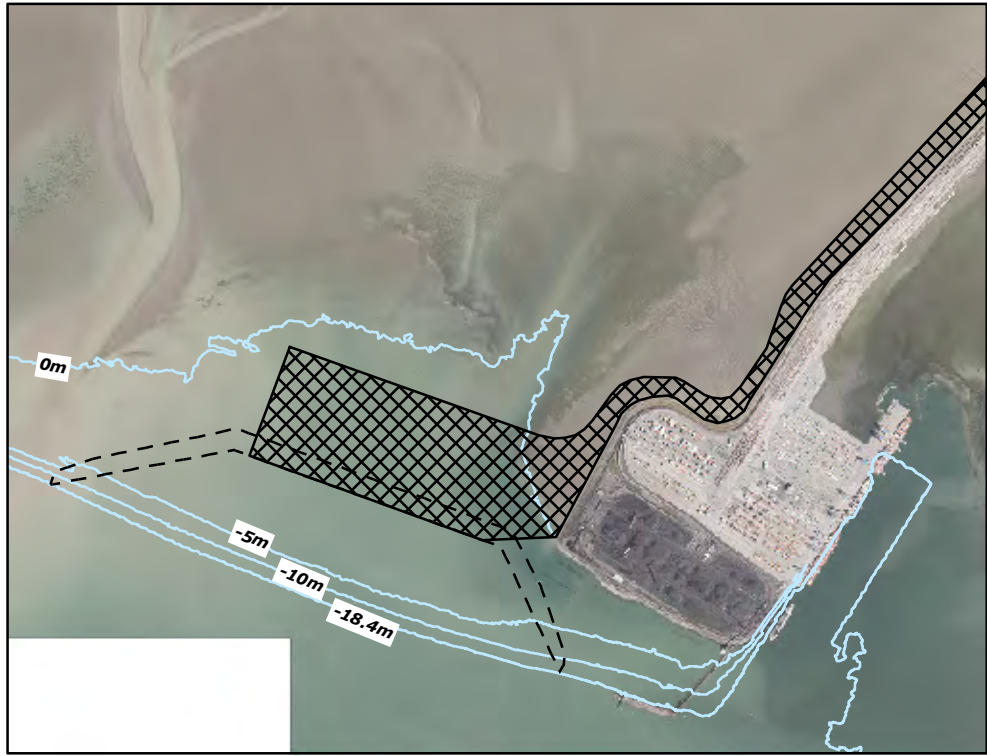
W2(500m): 500m SETBACK



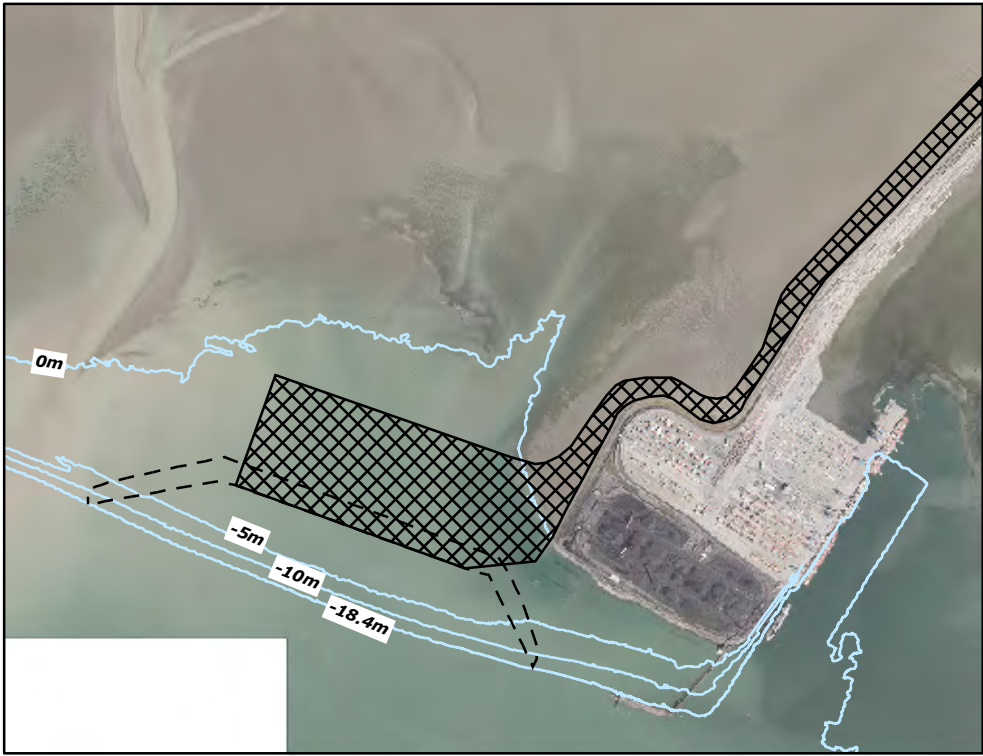
W2(275m): 275m SETBACK



W2(0m): 0m SETBACK



W1(500m): 500m SETBACK



W1(275m): 275m SETBACK



W1(0m): 0m SETBACK

- Legend**
- TERMINAL AND CAUSEWAY FOOTPRINT
 - DREDGE CUT FOR BERTH POCKET
 - CONTOUR LINE

NOT TO SCALE

	ROBERTS BANK TERMINAL 2	
	LOCATION AND ORIENTATION OF OPTIONS W1 AND W2 FOR RBT2	
	DATE: 12/18/2014	FIG No. 5-3



Legend

- BOUNDARY OF PROJECT AREA
- AREA OF DESIGN CHANGE

0 250 500
Metres
1:20,000
NAD 1983 UTM Zone 10N

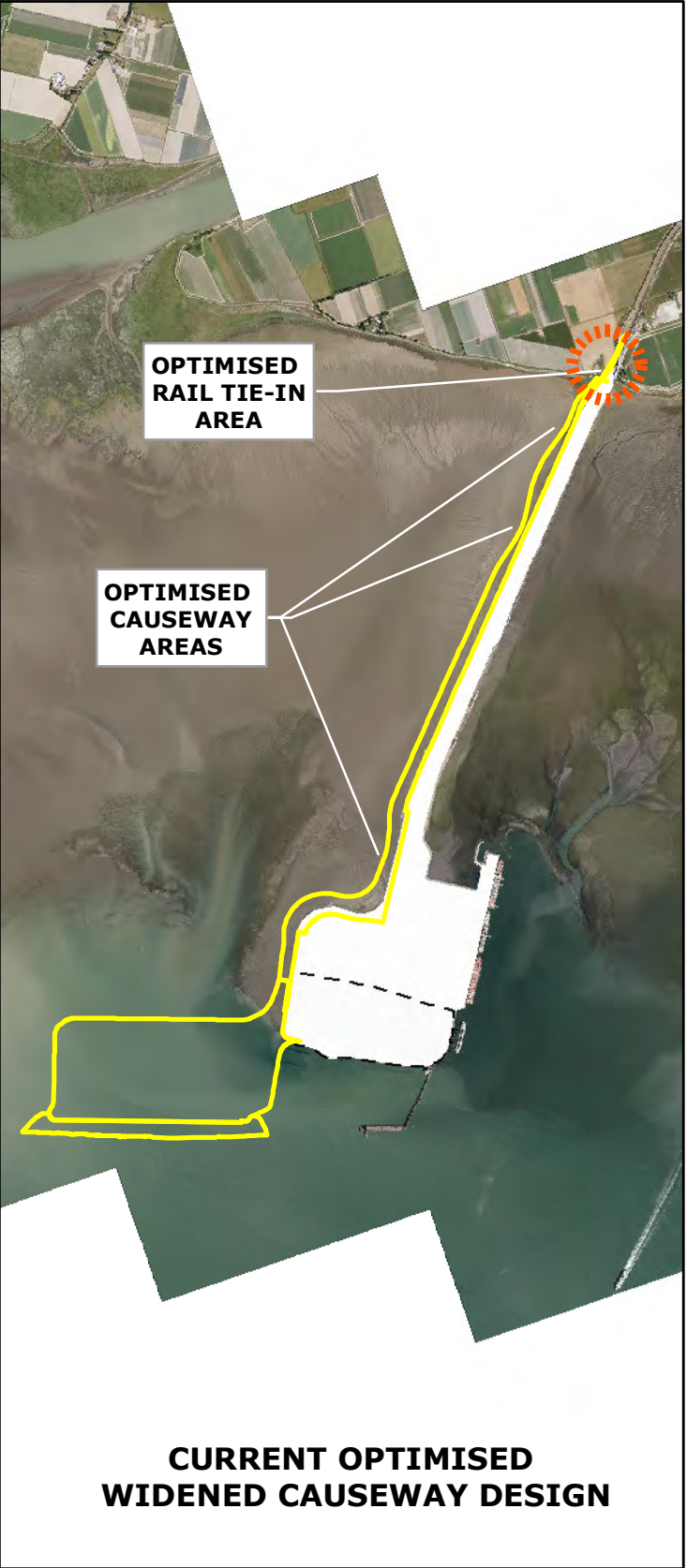
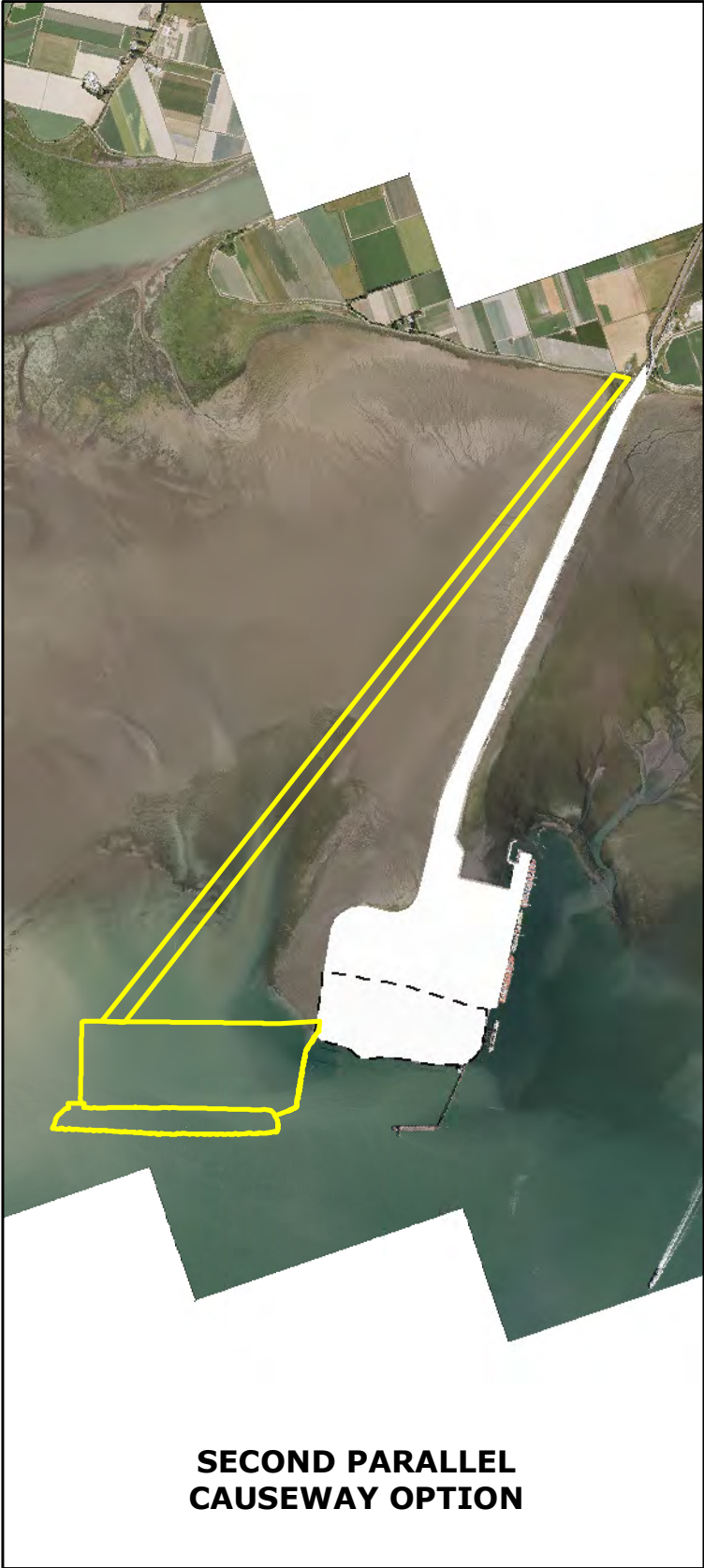


ROBERTS BANK TERMINAL 2

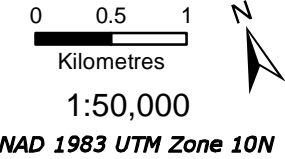
TERMINAL AND TUG BASIN LAYOUT AND DESIGN CHANGES

DATE:
12/18/2014

FIG No.
5-4



Legend
 BOUNDARY OF PROJECT AREA

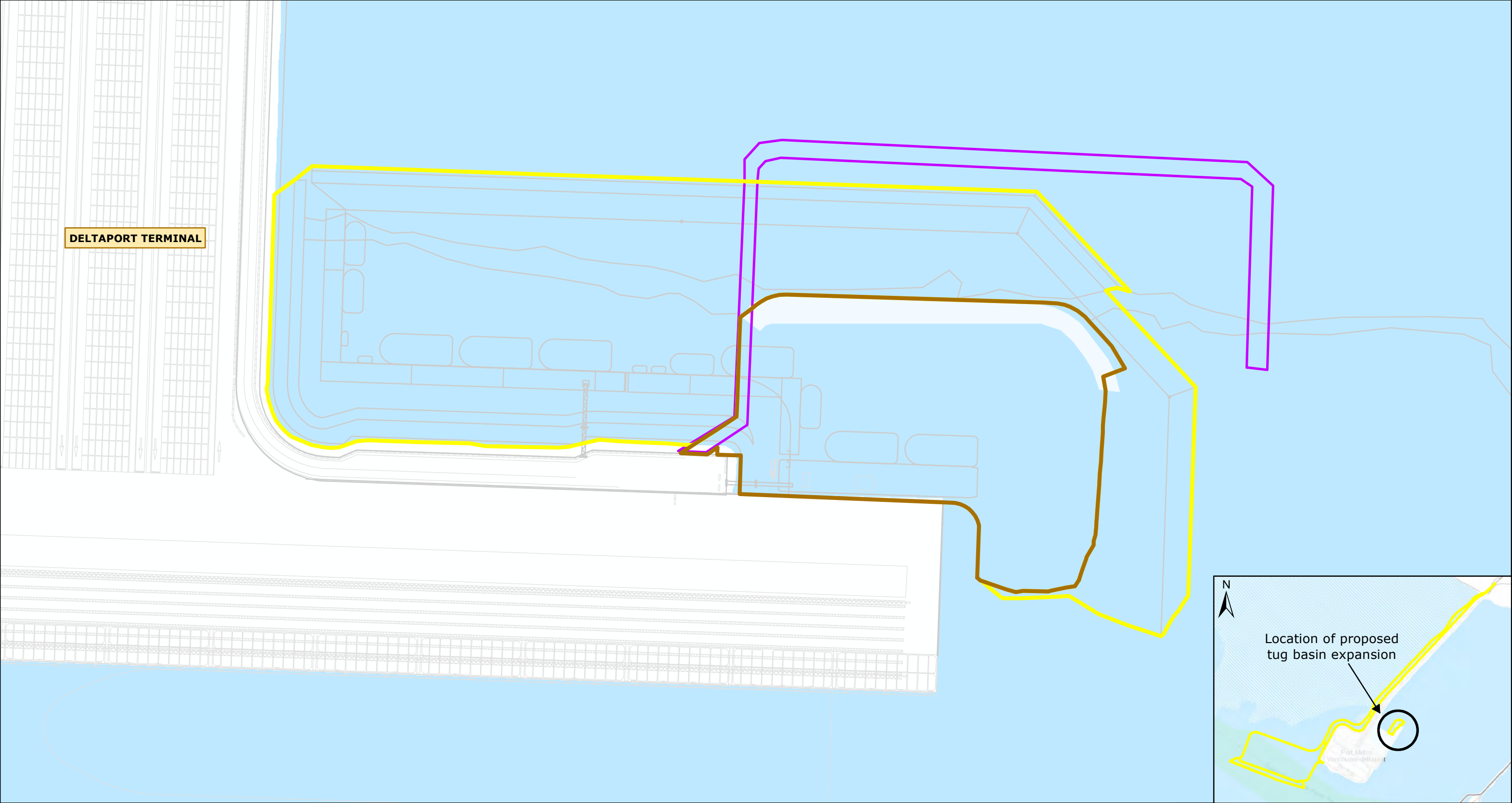


ROBERTS BANK TERMINAL 2

**CAUSEWAY EXPANSION
CONSIDERED ALTERNATIVES**

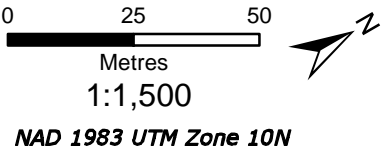
DATE:
12/18/2014

FIG No.
5-5



Legend

- EXISTING TUG BASIN PERIMETER
- TUG BASIN DESIGN OPTION 1 (2013 CONCEPT)
- FINAL TUG BASIN DESIGN OPTION 2

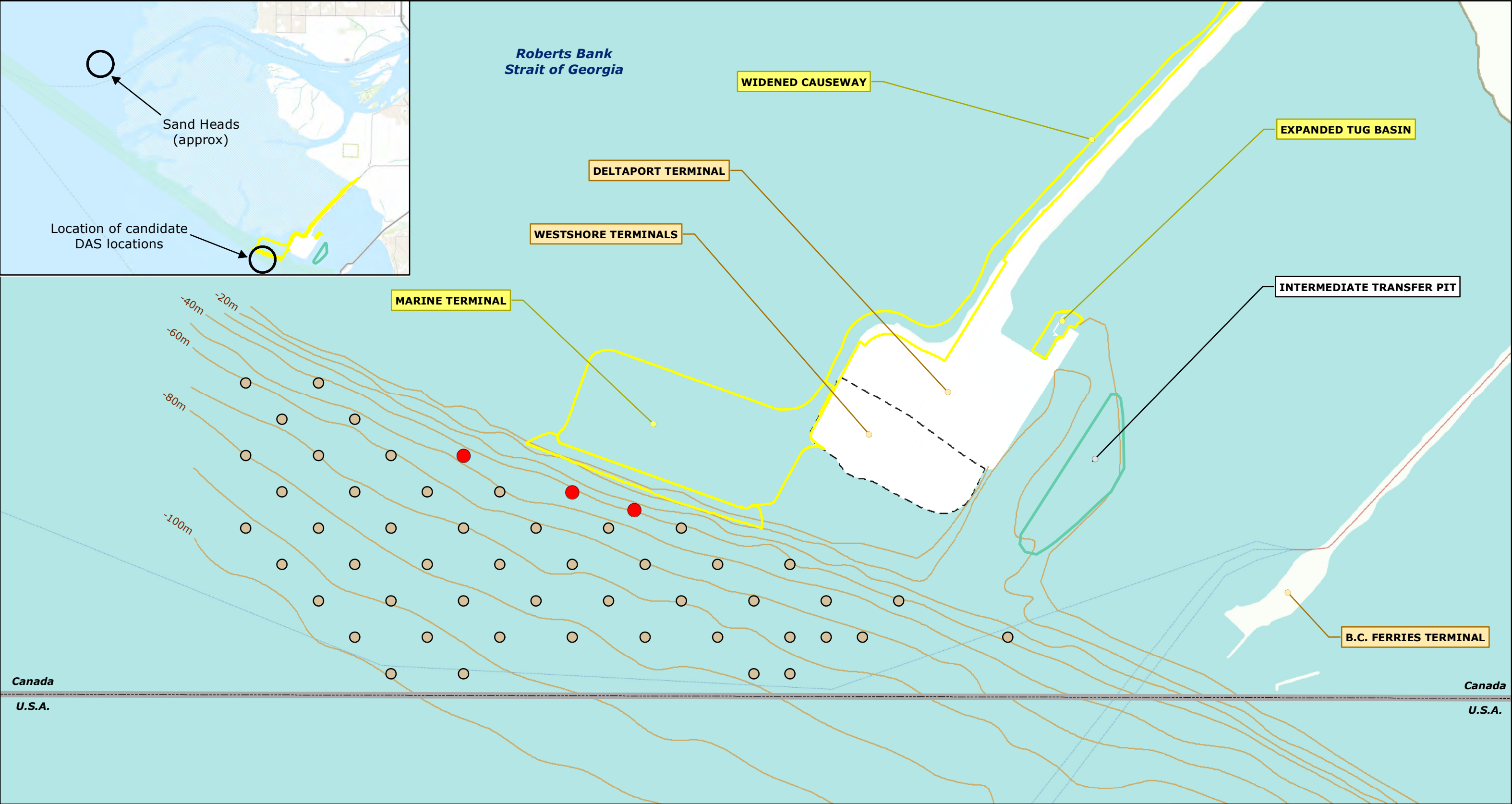


ROBERTS BANK TERMINAL 2

EXISTING ROBERTS BANK TUG BASIN ALTERNATIVES

DATE:
12/18/2014

FIG No.
5-6



Legend

- BOUNDARY OF PROJECT AREA
- DISPOSAL AT SEA POTENTIAL LOCATION
- DISPOSAL AT SEA CANDIDATE LOCATION SELECTED FOR USE
- 10m CONTOUR LINE
- U.S.A.-CANADA BORDER

- PROJECT COMPONENT
- EXISTING LANDMARK

0 250 500
Metres
1:25,000
NAD 1983 UTM Zone 10N



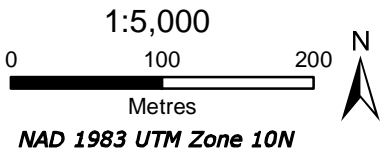
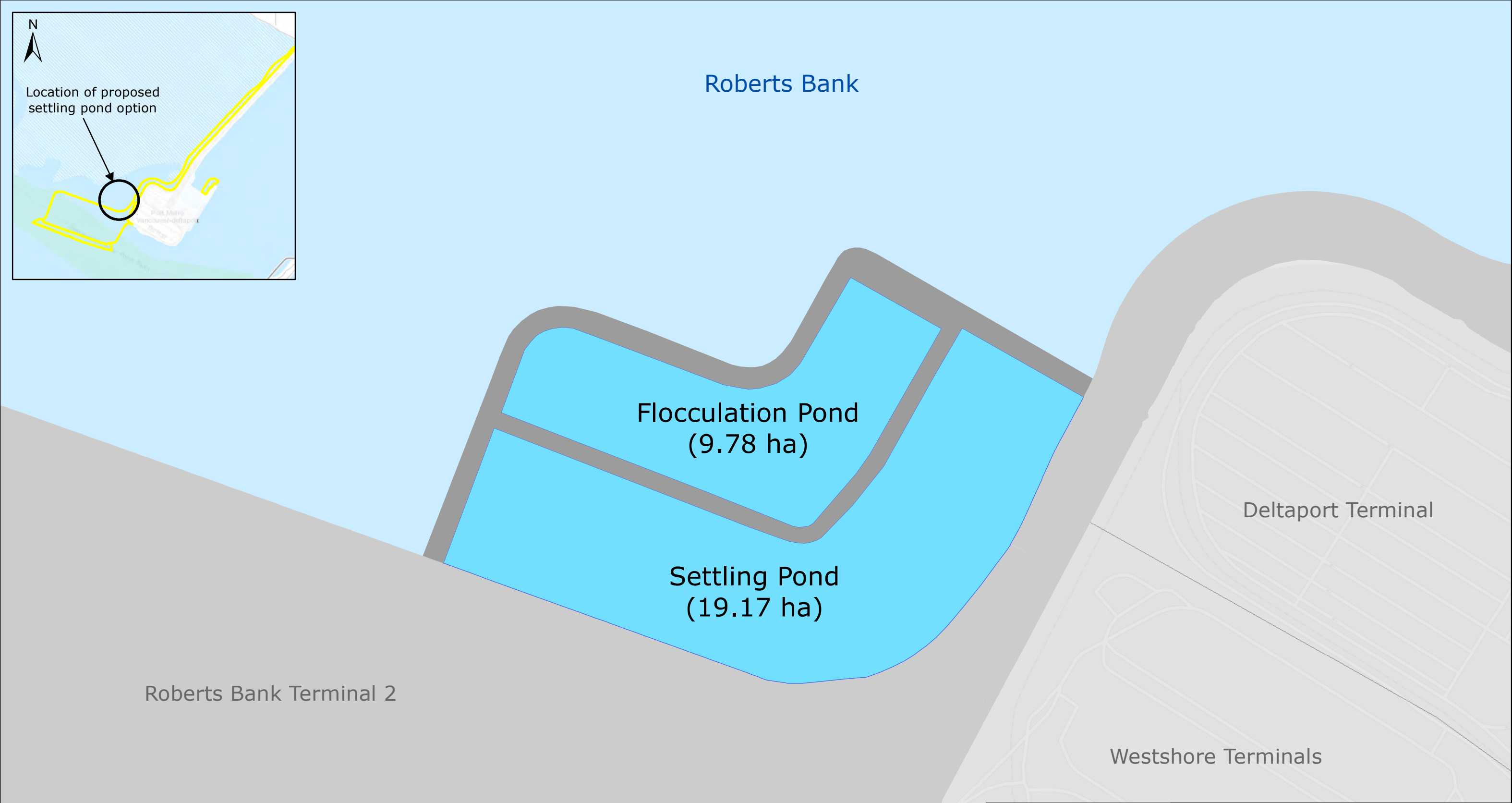
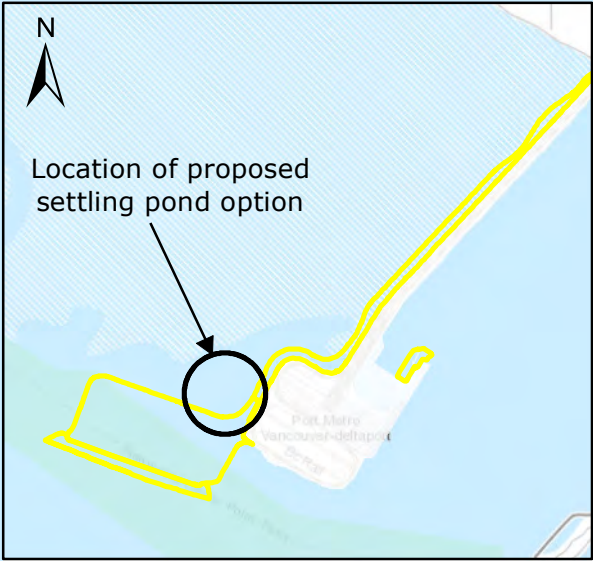
ROBERTS BANK TERMINAL 2

DISPOSAL AT SEA CANDIDATE LOCATIONS

DATE:
12/18/2014

FIG No.
5-7

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



ROBERTS BANK TERMINAL 2

SETTLING POND DISPOSAL OPTION

DATE:
12/18/2014

FIG No.
5-8