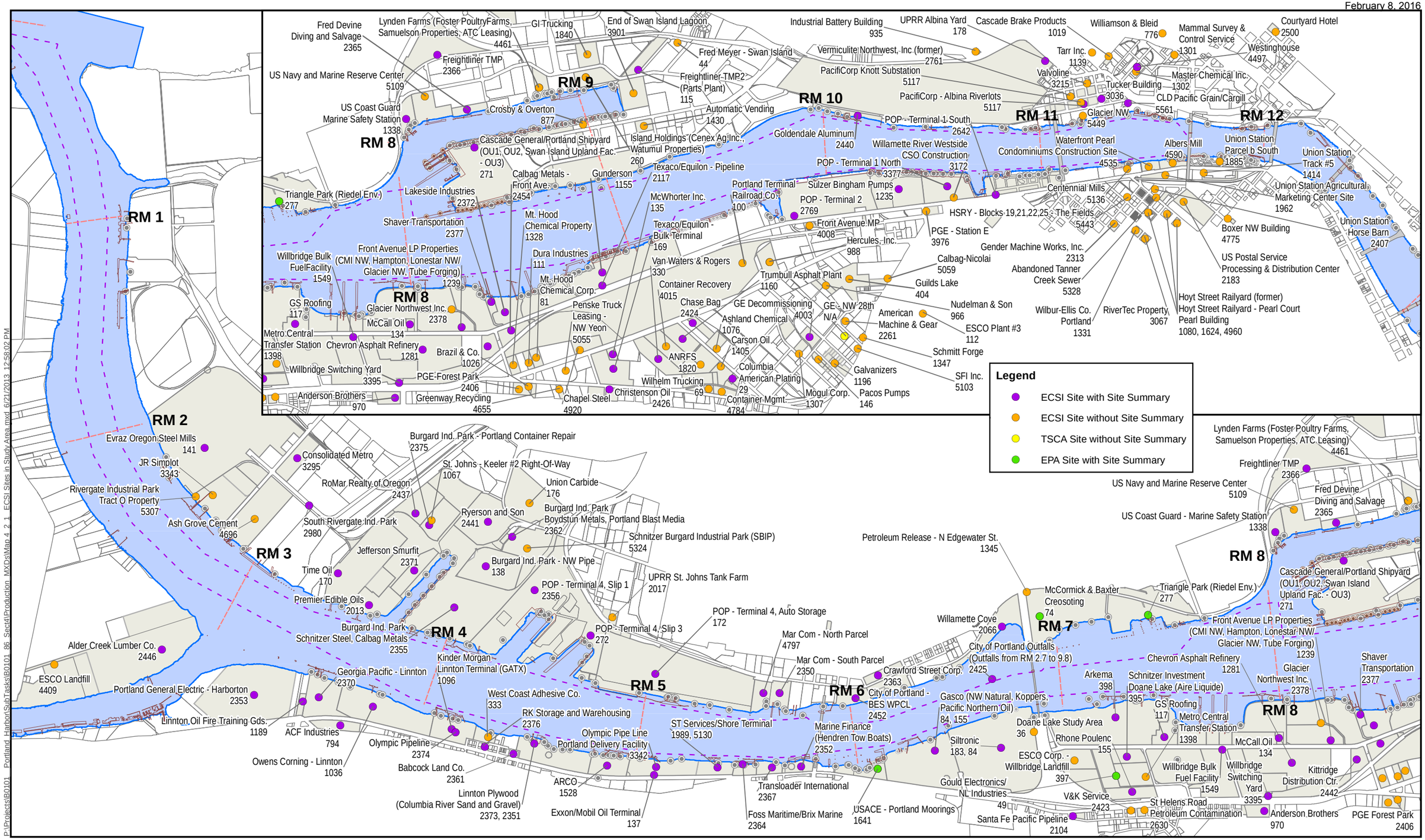

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FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland

1:26,000

0 1,000 2,000 3,000 4,000 5,000 Feet

Map Features

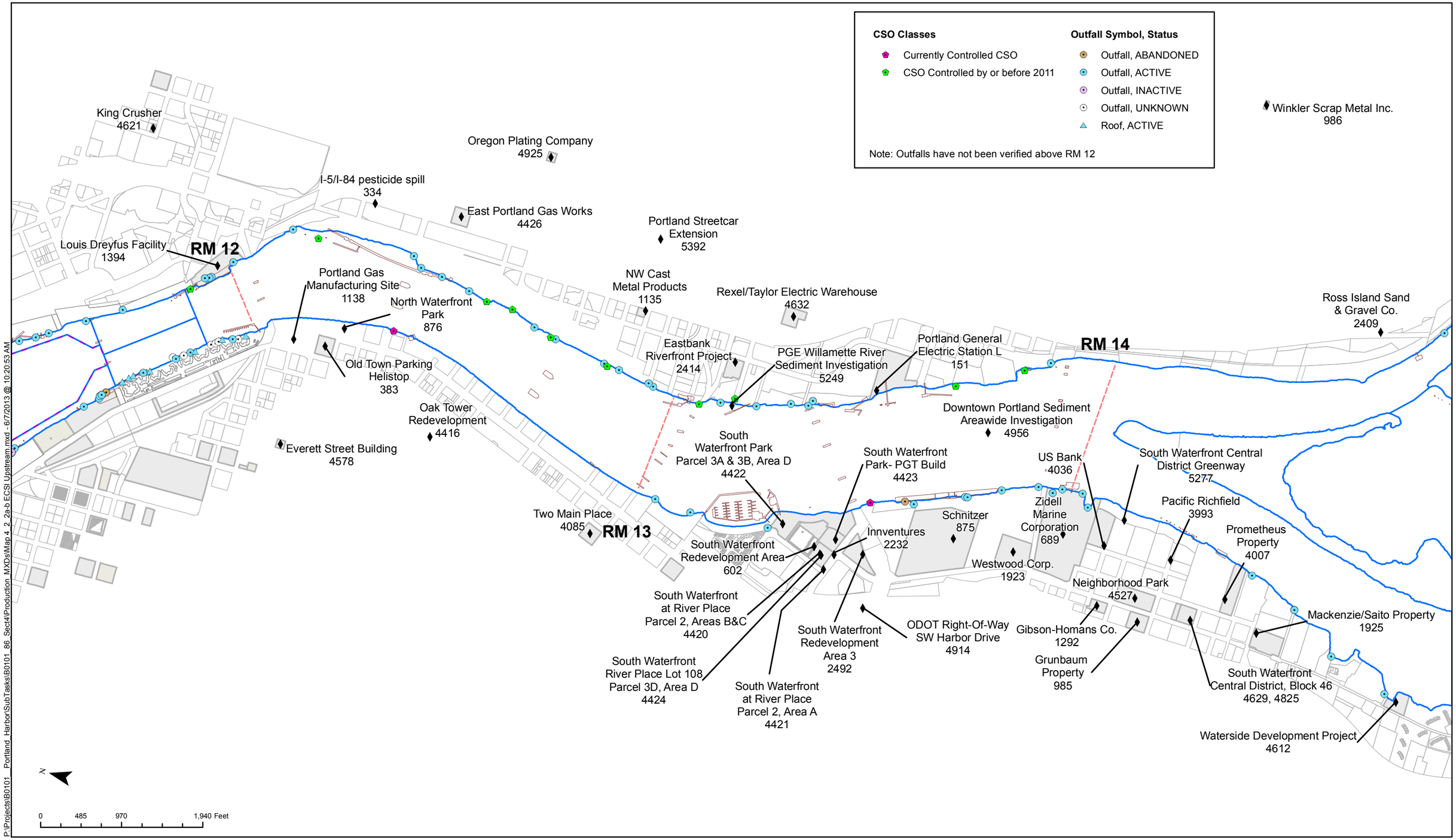
- River Miles
- Navigation Channel
- River Edge +13 ft NAVD

Outfalls

- Outfall
- Dock Drain
- Roof Drain

- Bridges
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots

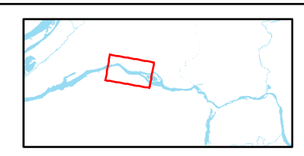
Map 4.2-1
Portland Harbor RI/FS
Remedial Investigation Report
Location of Potential Upland Sources
Undergoing Investigation within the Study Area



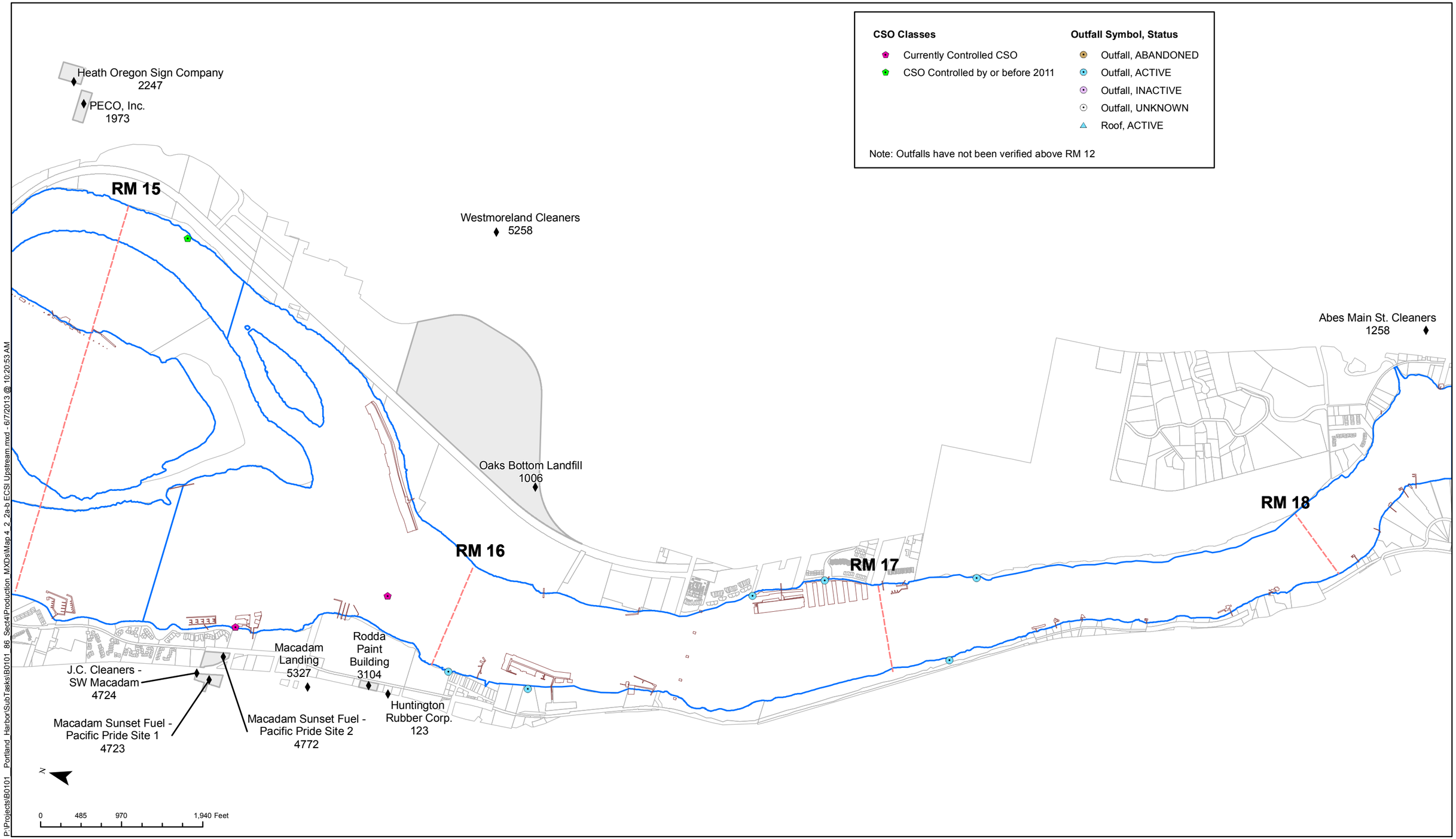
FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland

Map Features

- ECSI Facility Location
- River Miles
- River Edge +13 ft NAVD
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots



Map 4.2-2a
Portland Harbor RI/FS
Remedial Investigation Report
Location of Potential Upland Sources
and Portland Outfalls Upstream of RM 11.8



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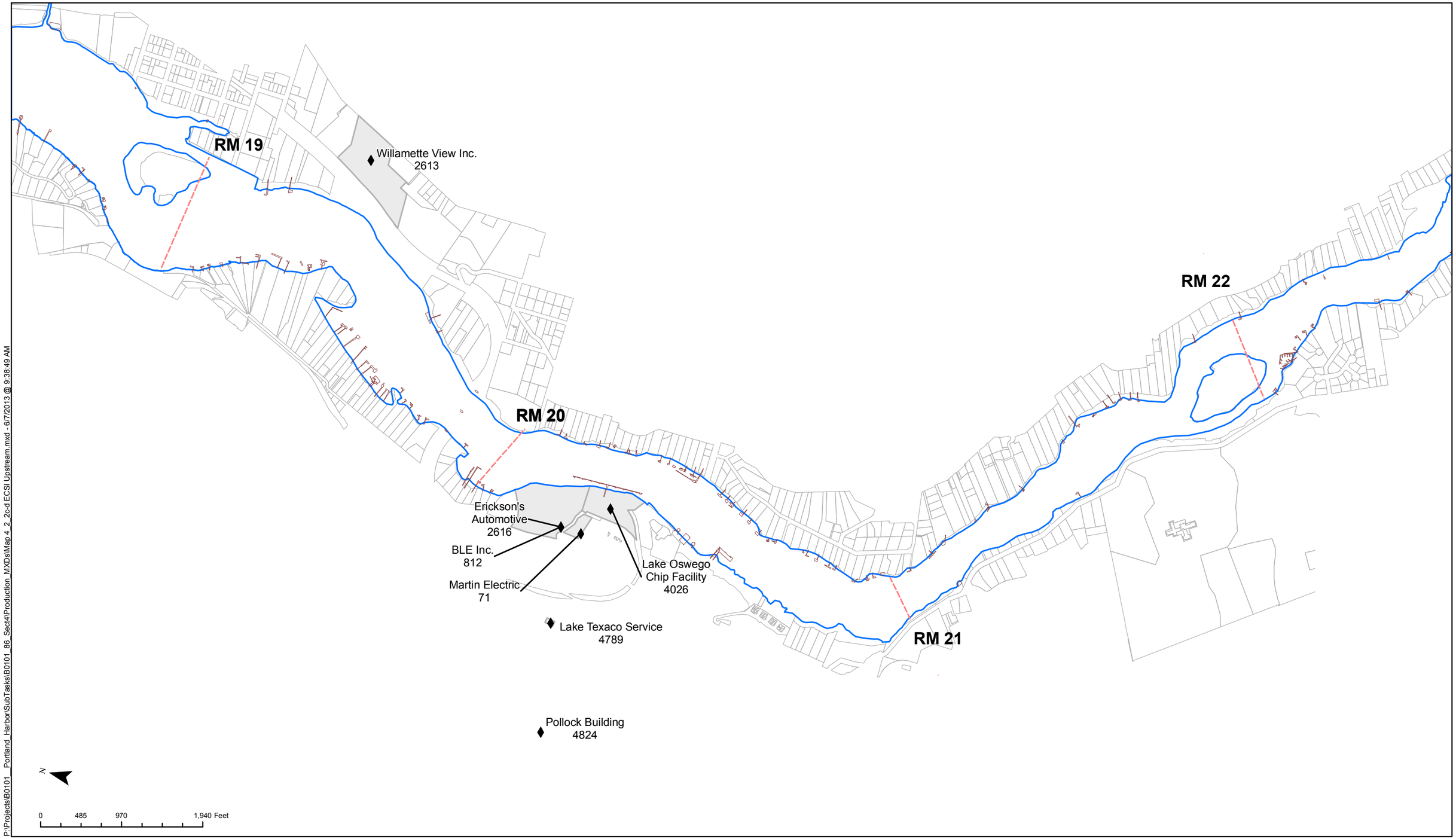
FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland

Map Features

- ECSI Facility Location
- River Miles
- River Edge +13 ft NAVD
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.2-2b
Portland Harbor RI/FS
Remedial Investigation Report
Location of Potential Upland Sources
and Portland Outfalls Upstream of RM 11.8



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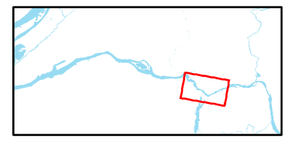
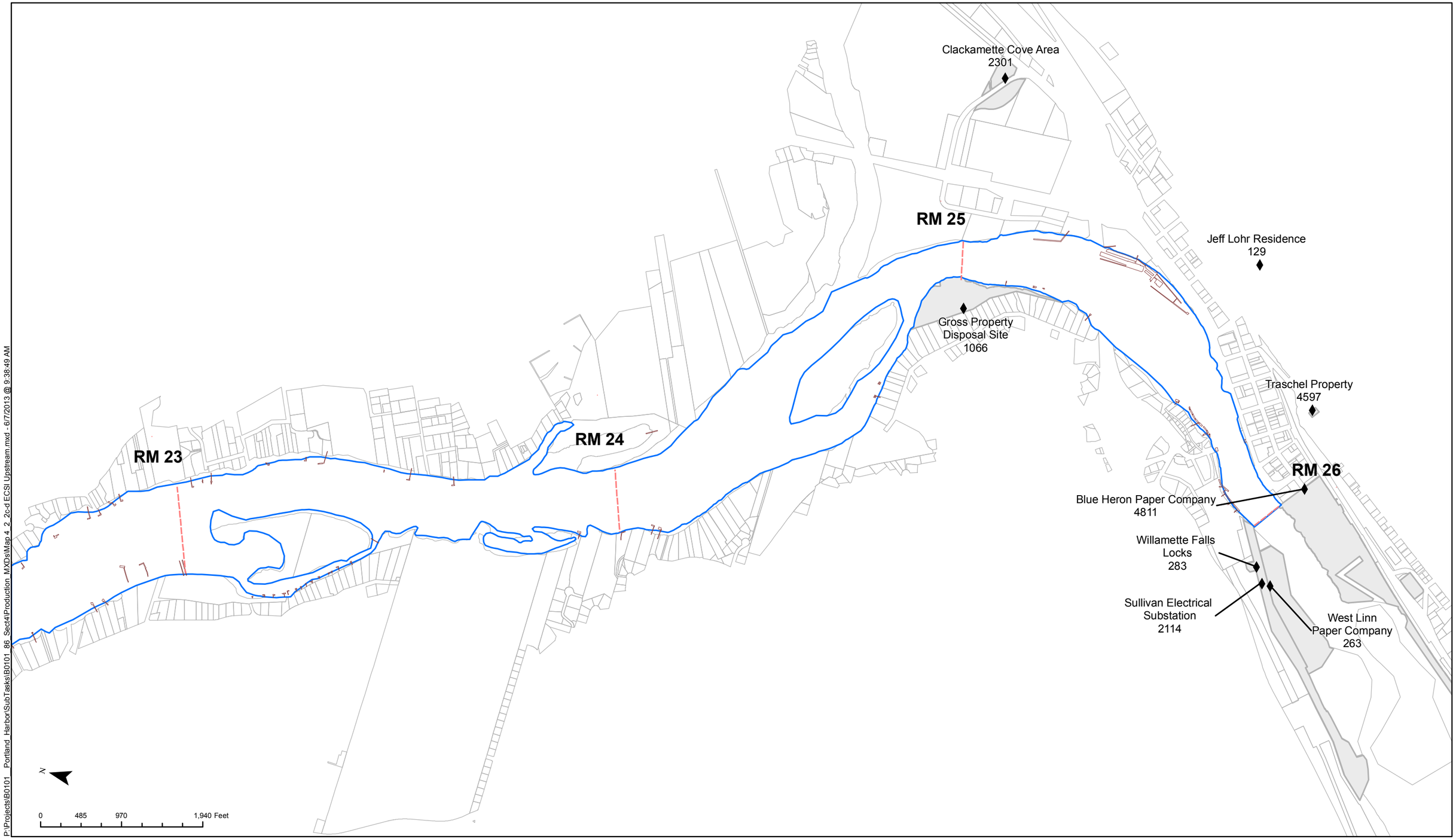
FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland

Map Features

- ECSI Facility Location
- River Miles
- River Edge +13 ft NAVD
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots



Map 4.2-2c
Portland Harbor RI/FS
Remedial Investigation Report
Location of Potential Upland Sources
and Portland Outfalls Upstream of RM 11.8



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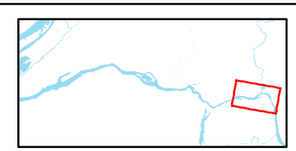
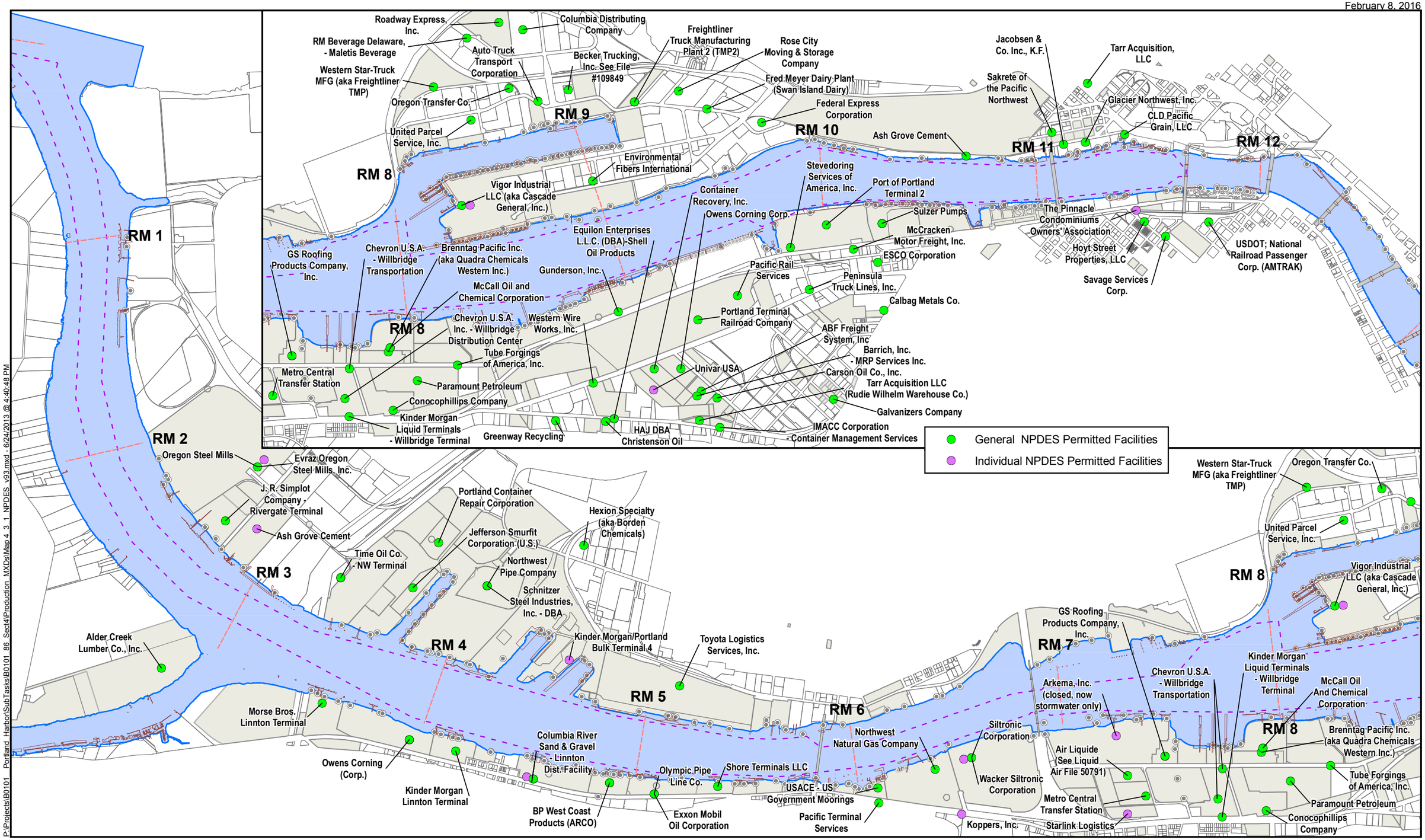
FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland

Map Features

- ECSI Facility Location
- River Miles
- River Edge +13 ft NAVD
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots



Map 4.2-2d
Portland Harbor RI/FS
Remedial Investigation Report
Location of Potential Upland Sources
and Portland Outfalls Upstream of RM 11.8



FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River Miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland

1:26,000

0 1,000 2,000 3,000 4,000 5,000 Feet

Map Features

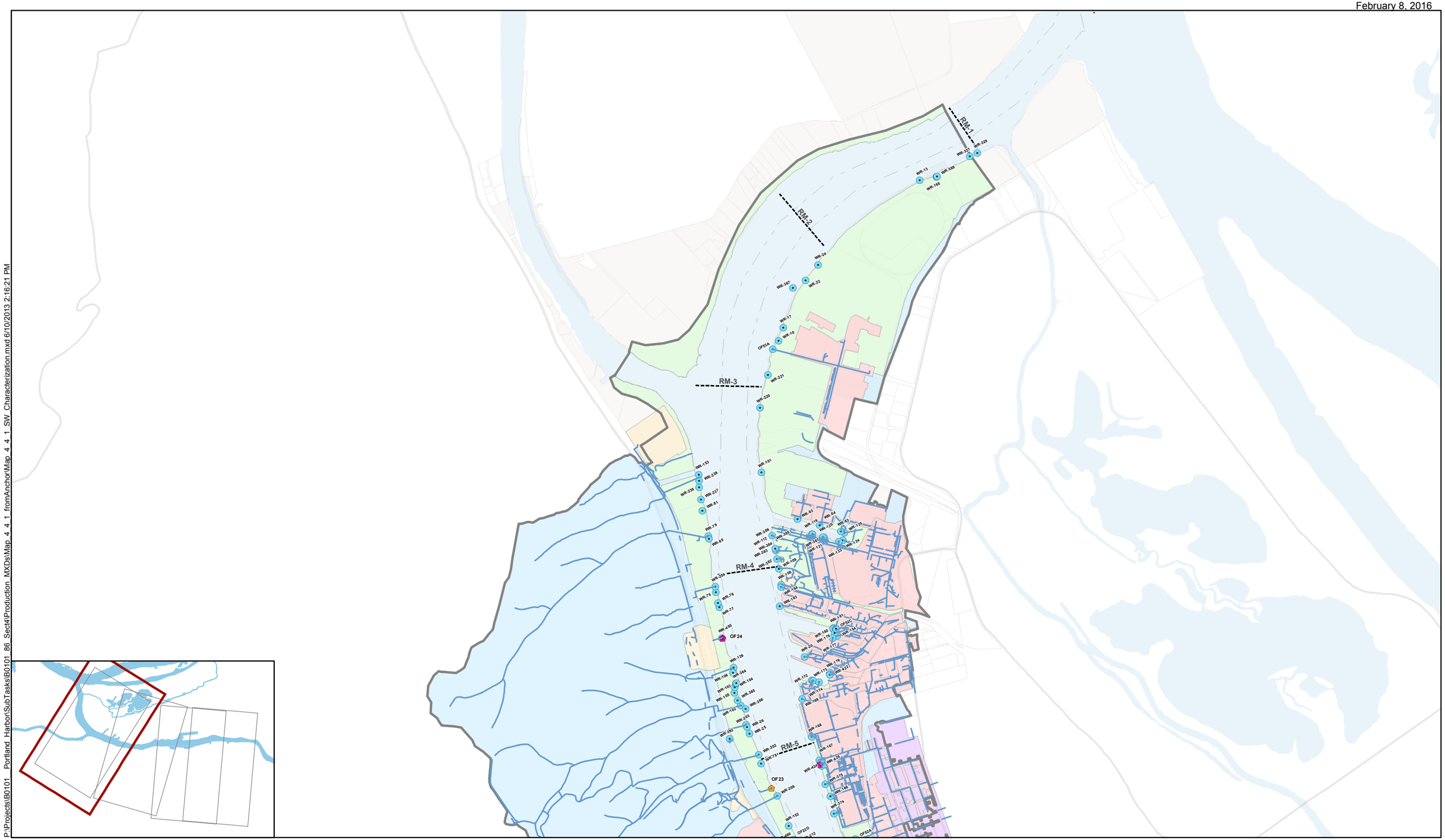
- River Miles
- Navigation Channel
- River Edge +13 ft NAVD

Outfalls

- Outfall
- Dock Drain
- Roof Drain

- Bridges
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.3-1
Portland Harbor RI/FS
Remedial Investigation Report
Location of NPDES Permitted
Facilities in the Study Area



N

0 1,000 2,000 Feet

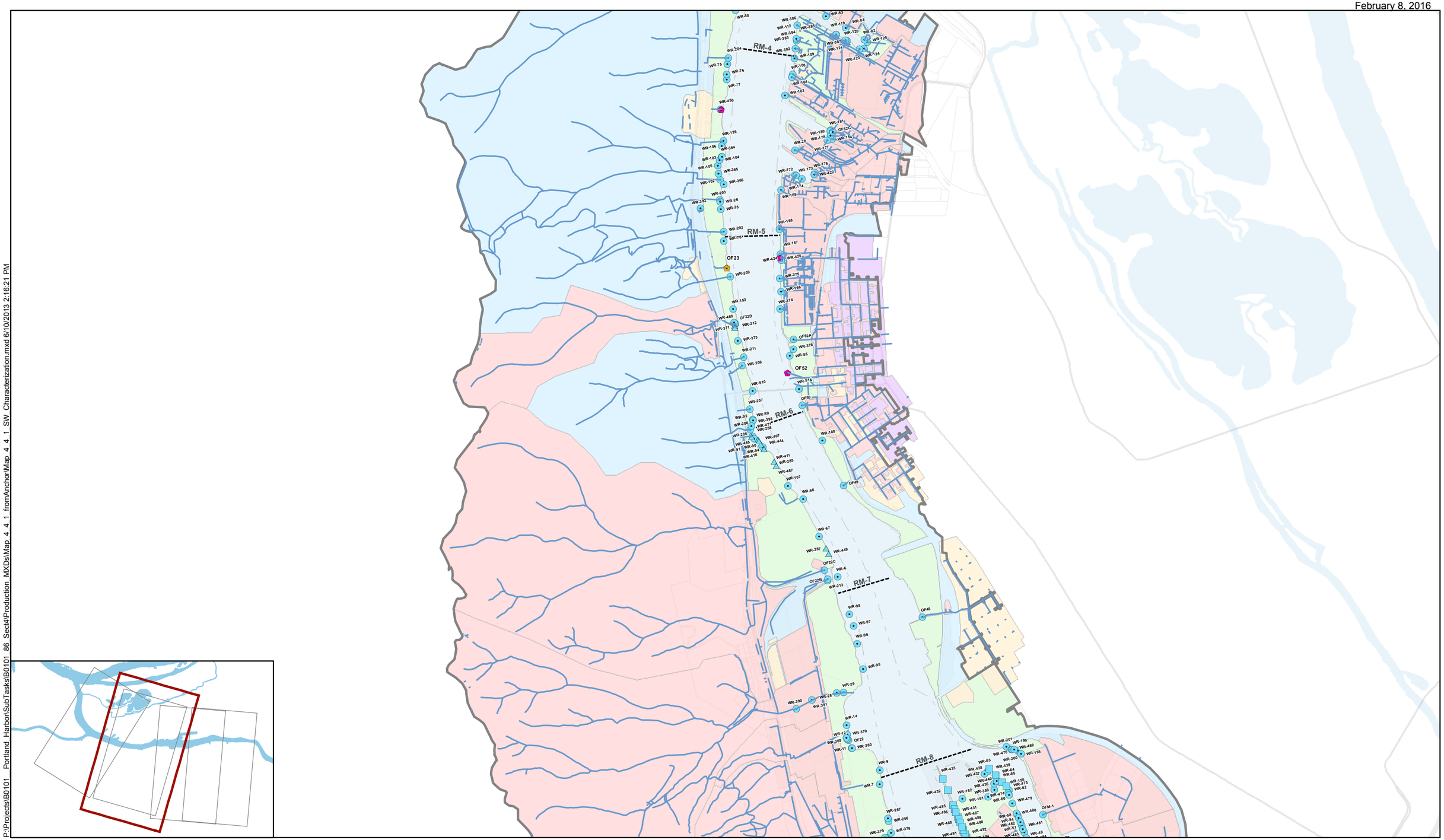
Map Features:

Outfall Symbol, Status
- Outfall, ACTIVE
- Dock, ACTIVE
- Roof, ACTIVE
- Portland Harbor Hydroboundary

CSO Classes
- CSO Sealed
- Currently Controlled CSO
- CSO Controlled by or before 2011
- Outfall Piping/Streams

Portland Harbor Drainage Zones
- DirectDrainage
- IntermittentDischarge
- NonDischarge
- Shared
- Undetermined

Map 4.4-1a
Portland Harbor RI/FS
Remedial Investigation Report
Stormwater Characterization of Drainage Basins in the Study Area
River Mile 01 to 4.8



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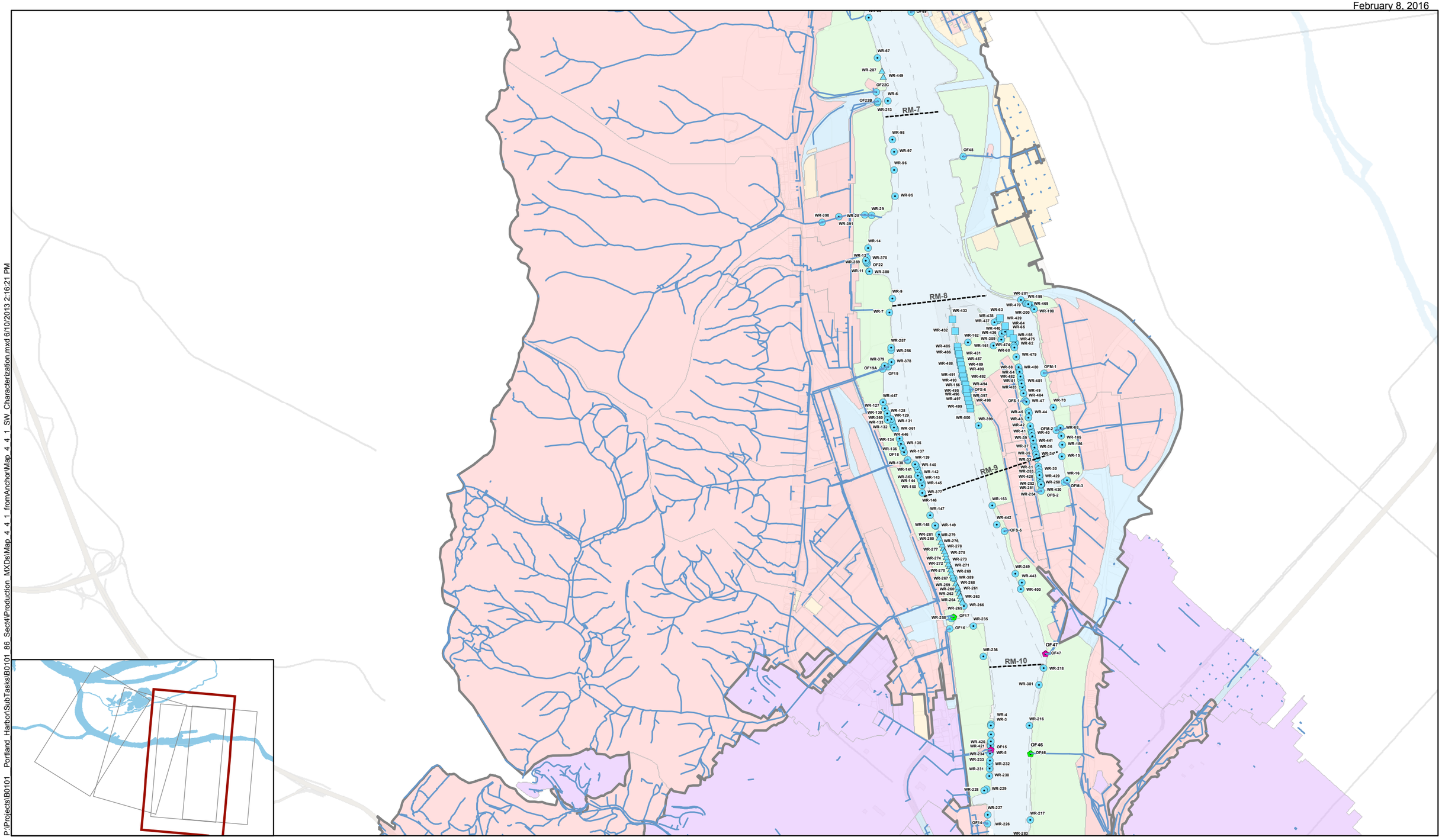
Map Features:

Outfall Symbol, Status
- Outfall, ACTIVE
- Dock, ACTIVE
- Roof, ACTIVE
- Portland Harbor Hydroboundary

CSO Classes
- CSO Sealed
- Currently Controlled CSO
- CSO Controlled by or before 2011
- Outfall Piping/Streams

Portland Harbor Drainage Zones
- DirectDrainage
- IntermittentDischarge
- NonDischarge
- Shared
- Undetermined

Map 4.4-1b
Portland Harbor RI/FS
Remedial Investigation Report
Stormwater Characterization of Drainage Basins in the Study Area
River Mile 4.2 to 7.8



Map Features:

Outfall Symbol, Status
- Outfall, ACTIVE
- Dock, ACTIVE
- Roof, ACTIVE
- Portland Harbor Hydroboundary

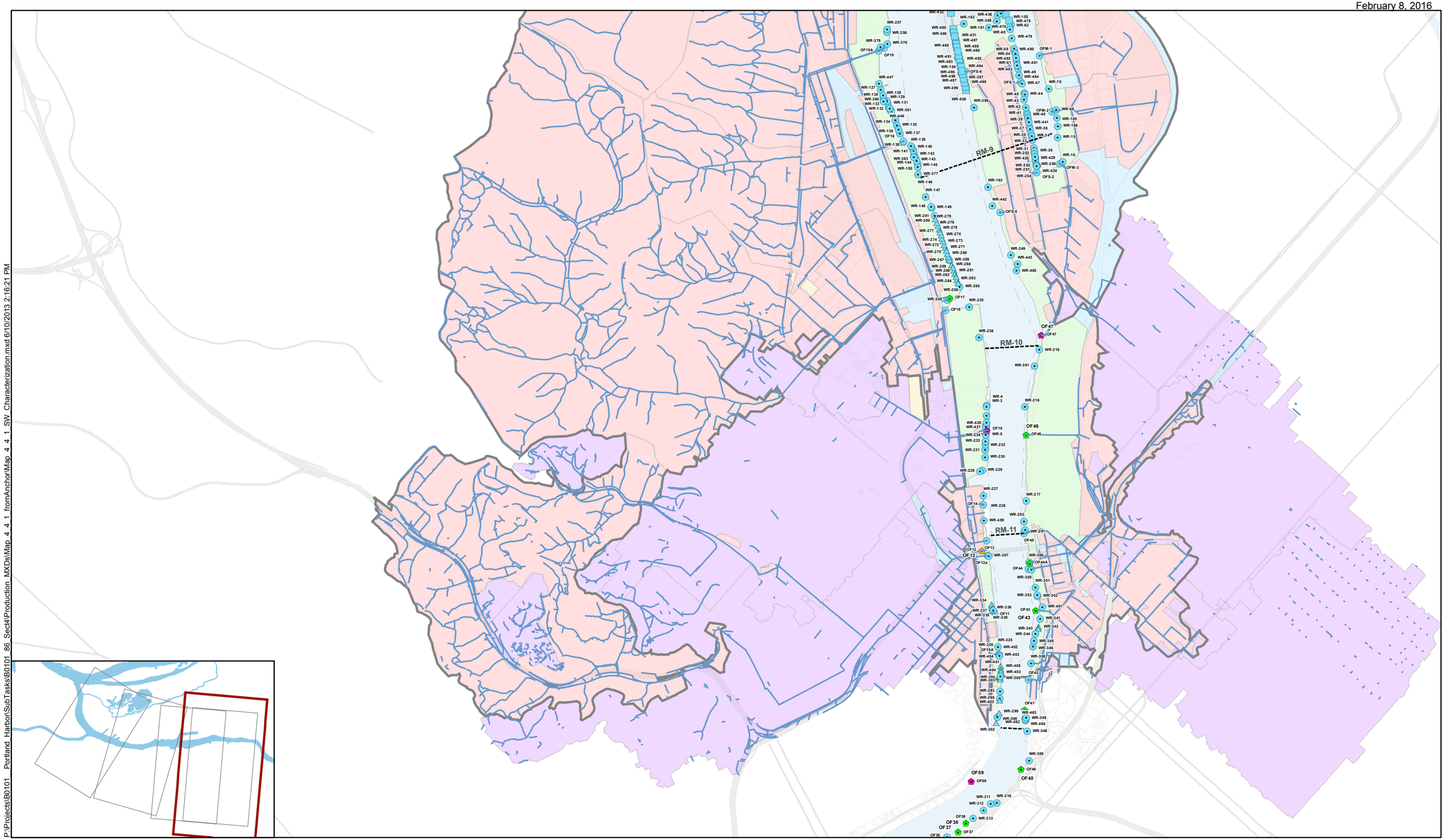
CSO Classes
- CSO Sealed
- Currently Controlled CSO
- CSO Controlled by or before 2011
- Outfall Piping/Streams

Portland Harbor Drainage Zones
- DirectDrainage
- IntermittentDischarge
- NonDischarge
- Shared
- Undetermined

N

0 1,000 2,000 Feet

Map 4.4-1c
Portland Harbor RI/FS
Remedial Investigation Report
Stormwater Characterization of Drainage Basins in the Study Area
River Mile 07 to 10.5



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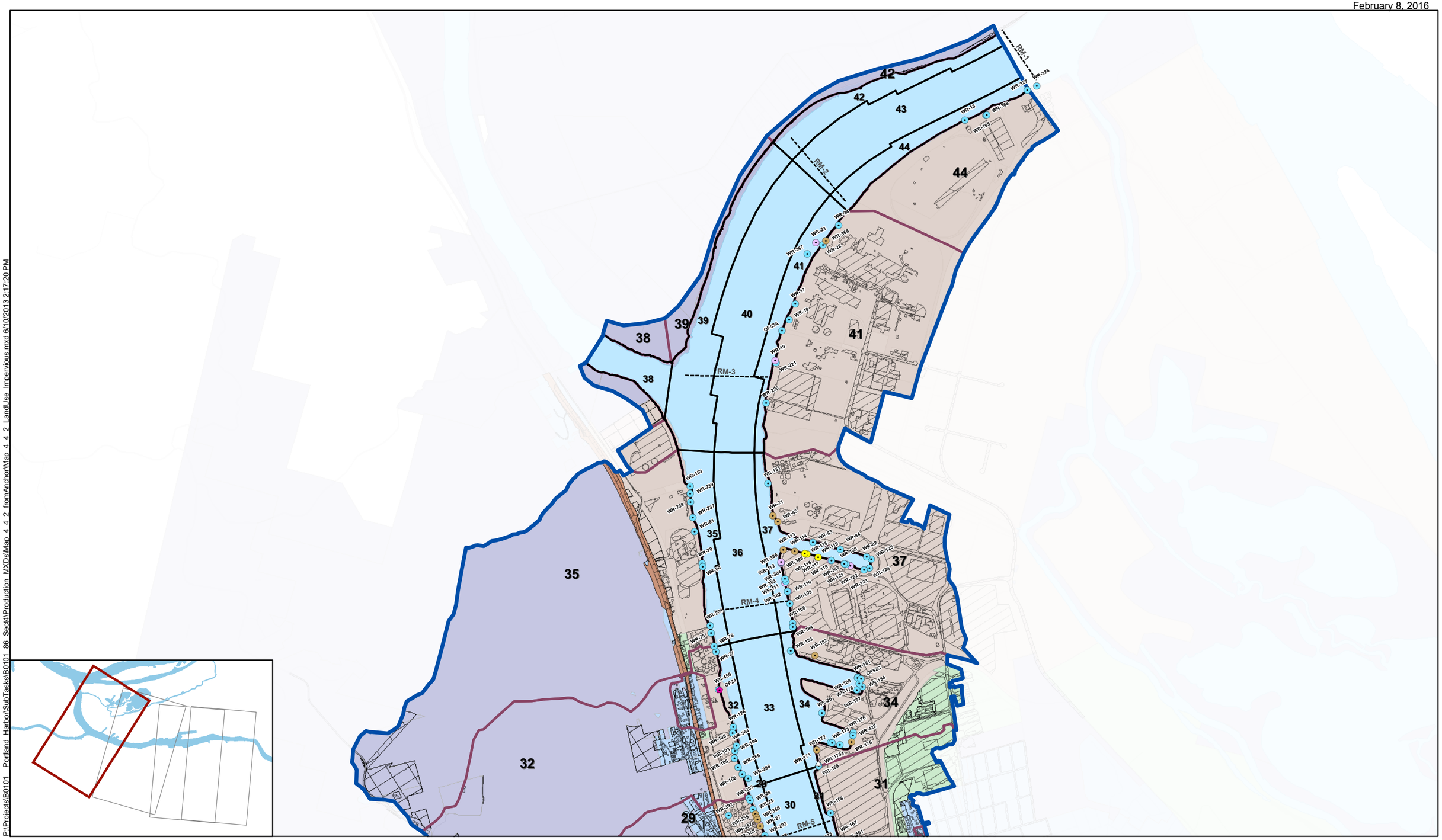
Map Features:

Outfall Symbol, Status
- Outfall, ACTIVE
- Dock, ACTIVE
- Roof, ACTIVE
- Portland Harbor Hydroboundary

CSO Classes
- CSO Sealed
- Currently Controlled CSO
- CSO Controlled by or before 2011
- Outfall Piping/Streams

Portland Harbor Drainage Zones
- DirectDrainage
- IntermittentDischarge
- NonDischarge
- Shared
- Undetermined

Map 4.4-1d
Portland Harbor RI/FS
Remedial Investigation Report
Stormwater Characterization of Drainage Basins in the Study Area
River Mile 8.5 to 11.8



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N

0 1,000 2,000 Feet

Map Features:

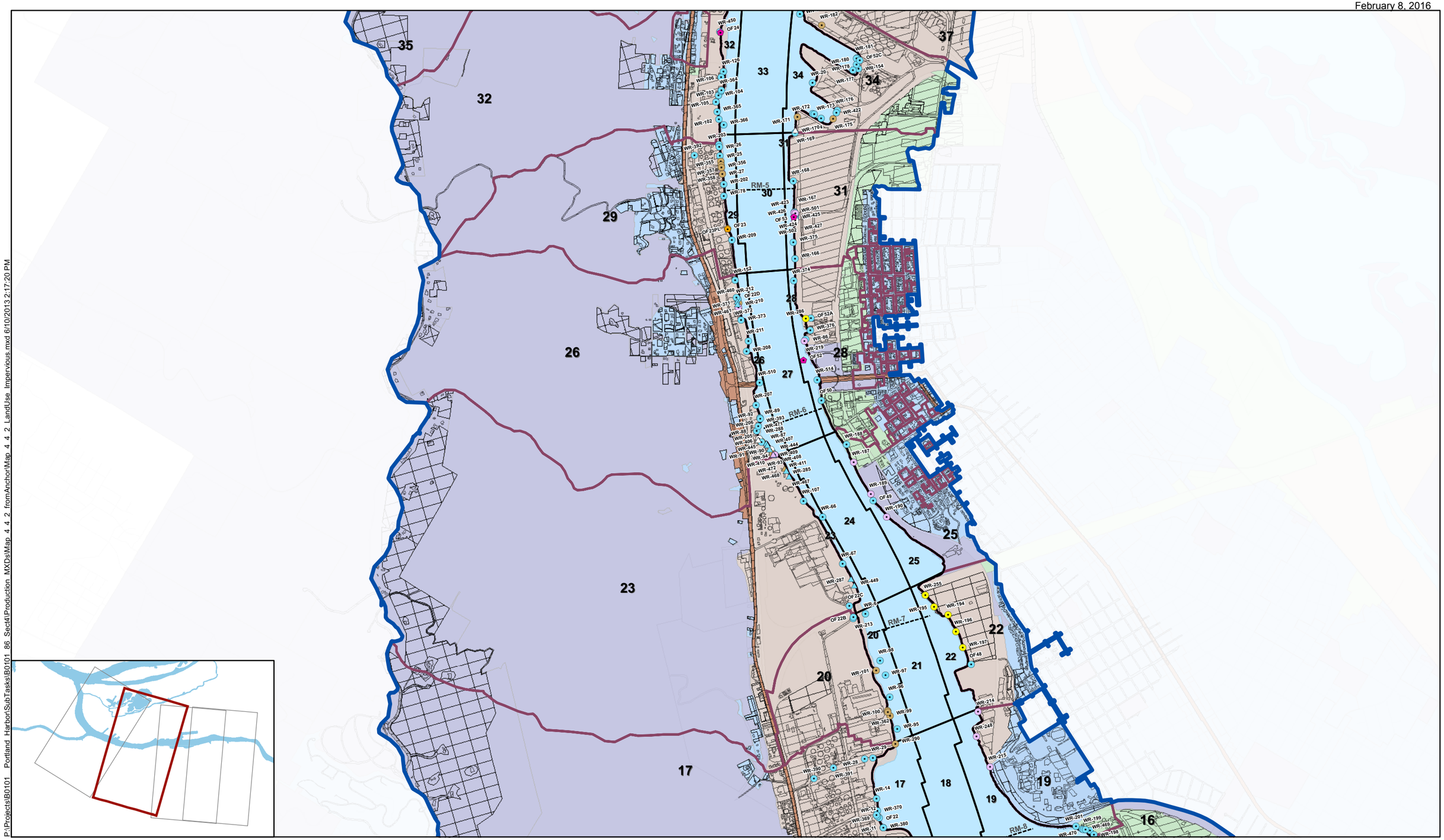
Outfall Symbol, Status
- Outfall, ABANDONED
- Outfall, ACTIVE
- Outfall, INACTIVE
- Outfall, REMOVED
- Outfall, UNKNOWN
- Dock, ACTIVE
- Dock, UNKNOWN
- Roof, ABANDONED
- Roof, ACTIVE
- Roof, INACTIVE
- Roof, UNKNOWN

CSO Classes
- CSO Sealed
- Currently Controlled CSO
- CSO Controlled by or before 2011

Land Use
- Heavy Industrial
- Light Industrial
- Parks and Open Spaces
- Residential/Commercial
- Major Transportation
- Impervious Surface
- Open Space/Vacant Overlay

- AFT Model Cells
- Area Draining to AFT Model Cell
- Portland Harbor Hydroboundary

Map 4.4-2a
Portland Harbor RI/FS
Remedial Investigation Report
SW Basin Land Use Characterization by F&T Model Segment
River Mile 01 to 4.8



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0 1,000 2,000 Feet

Map Features:

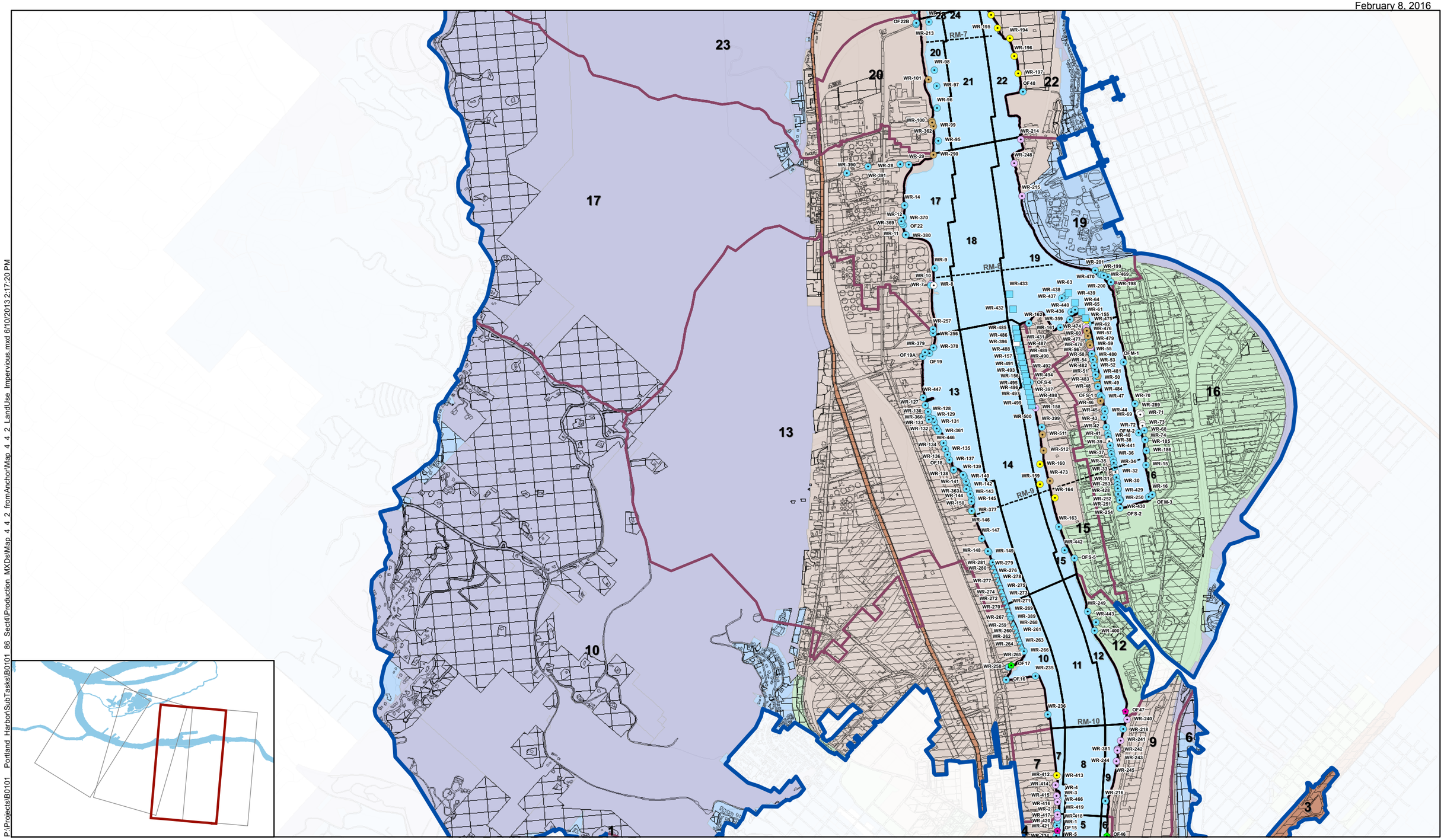
Outfall Symbol, Status
- Outfall, ABANDONED
- Outfall, ACTIVE
- Outfall, INACTIVE
- Outfall, REMOVED
- Outfall, UNKNOWN
- Dock, ACTIVE
- Dock, UNKNOWN
- Roof, ABANDONED
- Roof, ACTIVE
- Roof, INACTIVE
- Roof, UNKNOWN

CSO Classes
- CSO Sealed
- Currently Controlled CSO
- CSO Controlled by or before 2011

Land Use
- Heavy Industrial
- Light Industrial
- Parks and Open Spaces
- Residential/Commercial
- Major Transportation
- Impervious Surface
- Open Space/Vacant Overlay

- AFT Model Cells
- Area Draining to AFT Model Cell
- Portland Harbor Hydroboundary

Map 4.4-2 b
Portland Harbor RI/FS
Remedial Investigation Report
SW Basin Land Use Characterization by F&T Model Segment
River Mile 4.2 to 7.8



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N

0 1,000 2,000 Feet

Map Features:

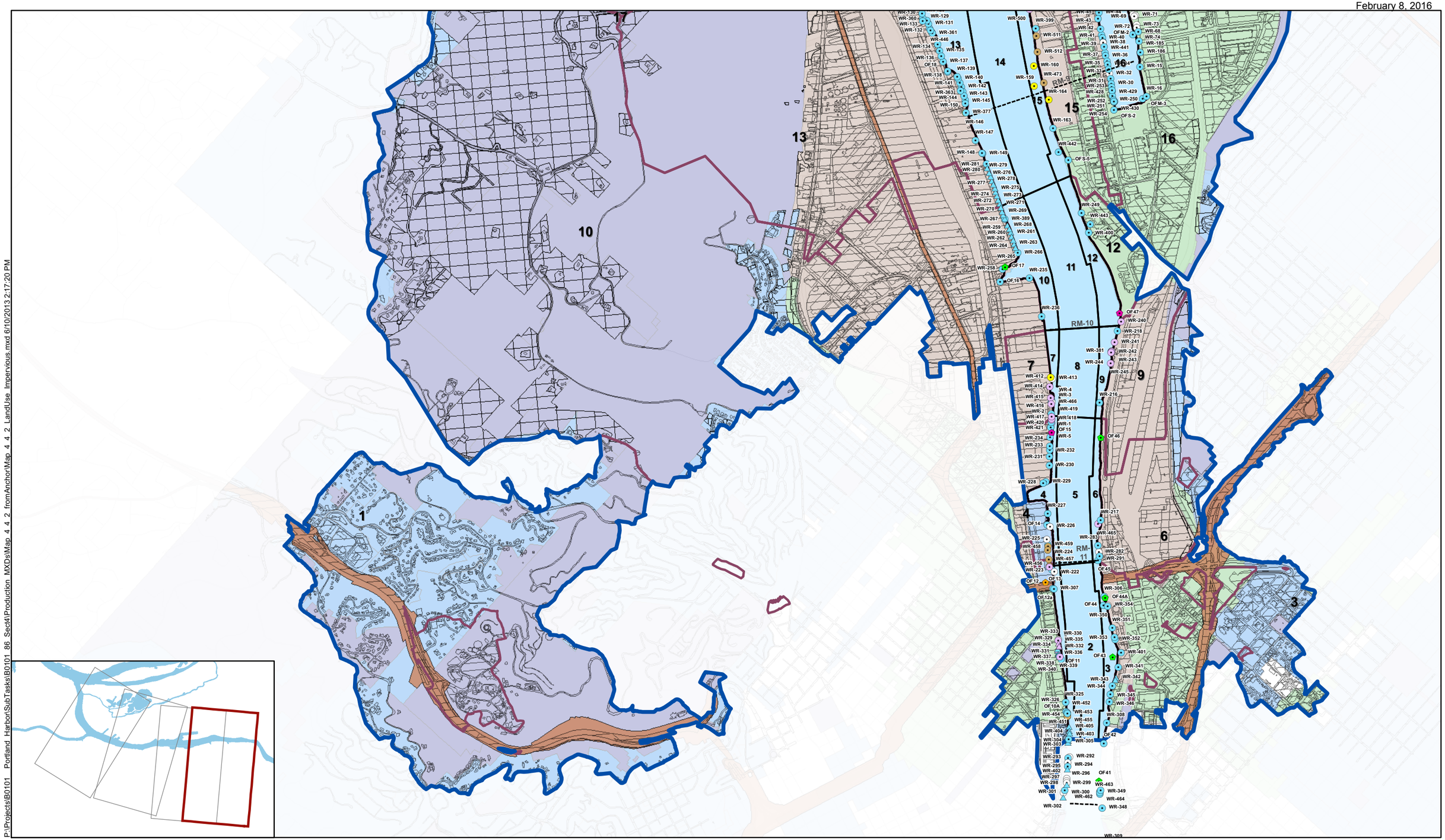
Outfall Symbol, Status
- Outfall, ABANDONED
- Outfall, ACTIVE
- Outfall, INACTIVE
- Outfall, REMOVED
- Outfall, UNKNOWN
- Dock, ACTIVE
- Dock, UNKNOWN
- Roof, ABANDONED
- Roof, ACTIVE
- Roof, INACTIVE
- Roof, UNKNOWN

CSO Classes
- CSO Sealed
- Currently Controlled CSO
- CSO Controlled by or before 2011

Land Use
- Heavy Industrial
- Light Industrial
- Parks and Open Spaces
- Residential/Commercial
- Major Transportation
- Impervious Surface
- Open Space/Vacant Overlay

- AFT Model Cells
- Area Draining to AFT Model Cell
- Portland Harbor Hydroboundary

Map 4.4-2c
Portland Harbor RI/FS
Remedial Investigation Report
SW Basin Land Use Characterization by F&T Model Segment
River Mile 07 to 10.5



Map Features:

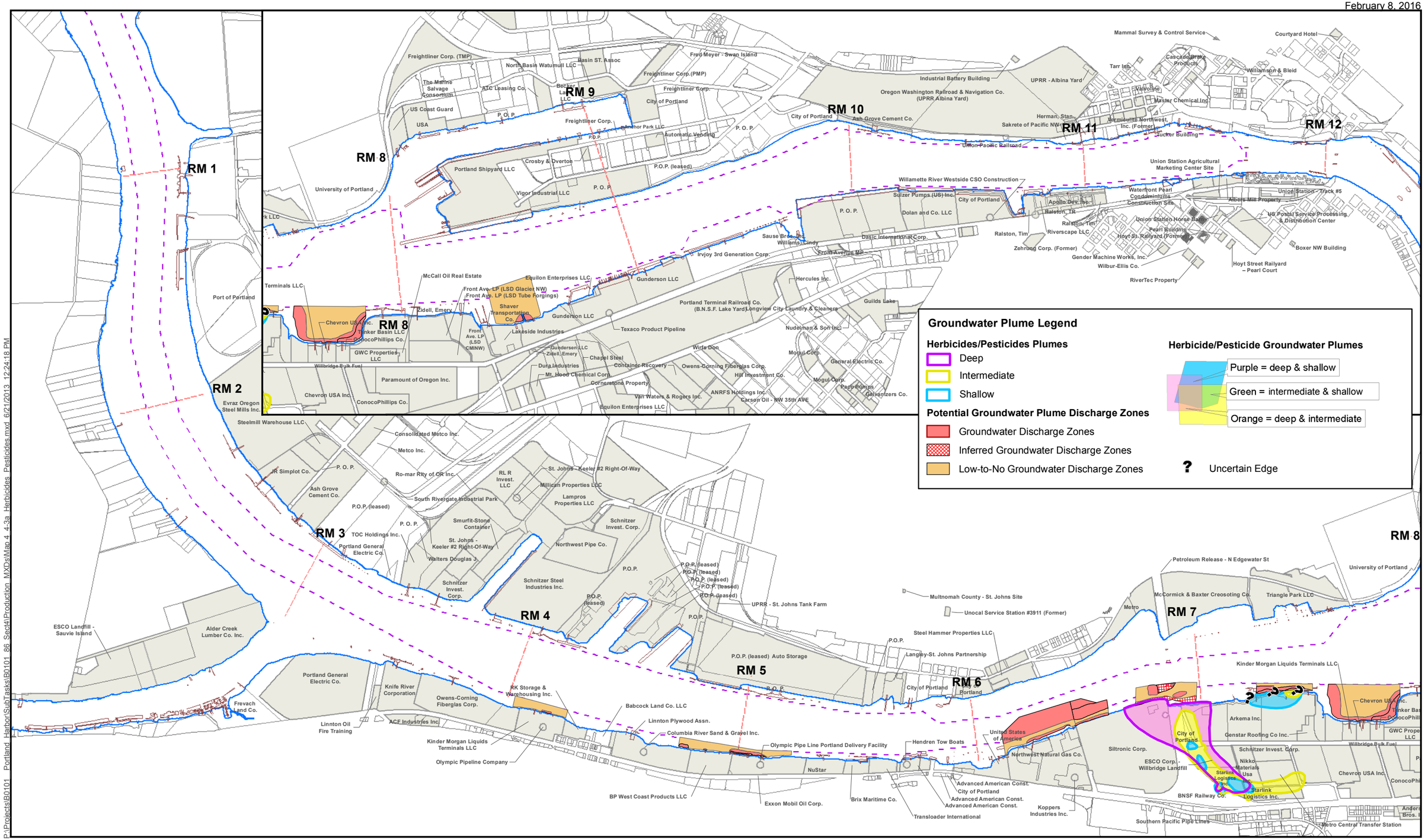
Outfall Symbol, Status
- Outfall, ABANDONED
- Outfall, ACTIVE
- Outfall, INACTIVE
- Outfall, REMOVED
- Outfall, UNKNOWN
- Dock, ACTIVE
- Dock, UNKNOWN
- Roof, ABANDONED
- Roof, ACTIVE
- Roof, INACTIVE
- Roof, UNKNOWN

CSO Classes
- CSO Sealed
- Currently Controlled CSO
- CSO Controlled by or before 2011

Land Use
- Heavy Industrial
- Light Industrial
- Parks and Open Spaces
- Residential/Commercial
- Major Transportation
- Impervious Surface
- Open Space/Vacant Overlay

- AFT Model Cells
- Area Draining to AFT Model Cell
- Portland Harbor Hydroboundary

Map 4.4-2d
Portland Harbor RI/FS
Remedial Investigation Report
SW Basin Land Use Characterization by F&T Model Segment
River Mile 8.5 to 11.8



P:\Projects\B0101 Portland Harbor\SubTasks\B0101 86 Sect4\Production MXDs\Map 4 4-3a Herbicides Pesticides.mxd 6/21/2013 12:24:18 PM

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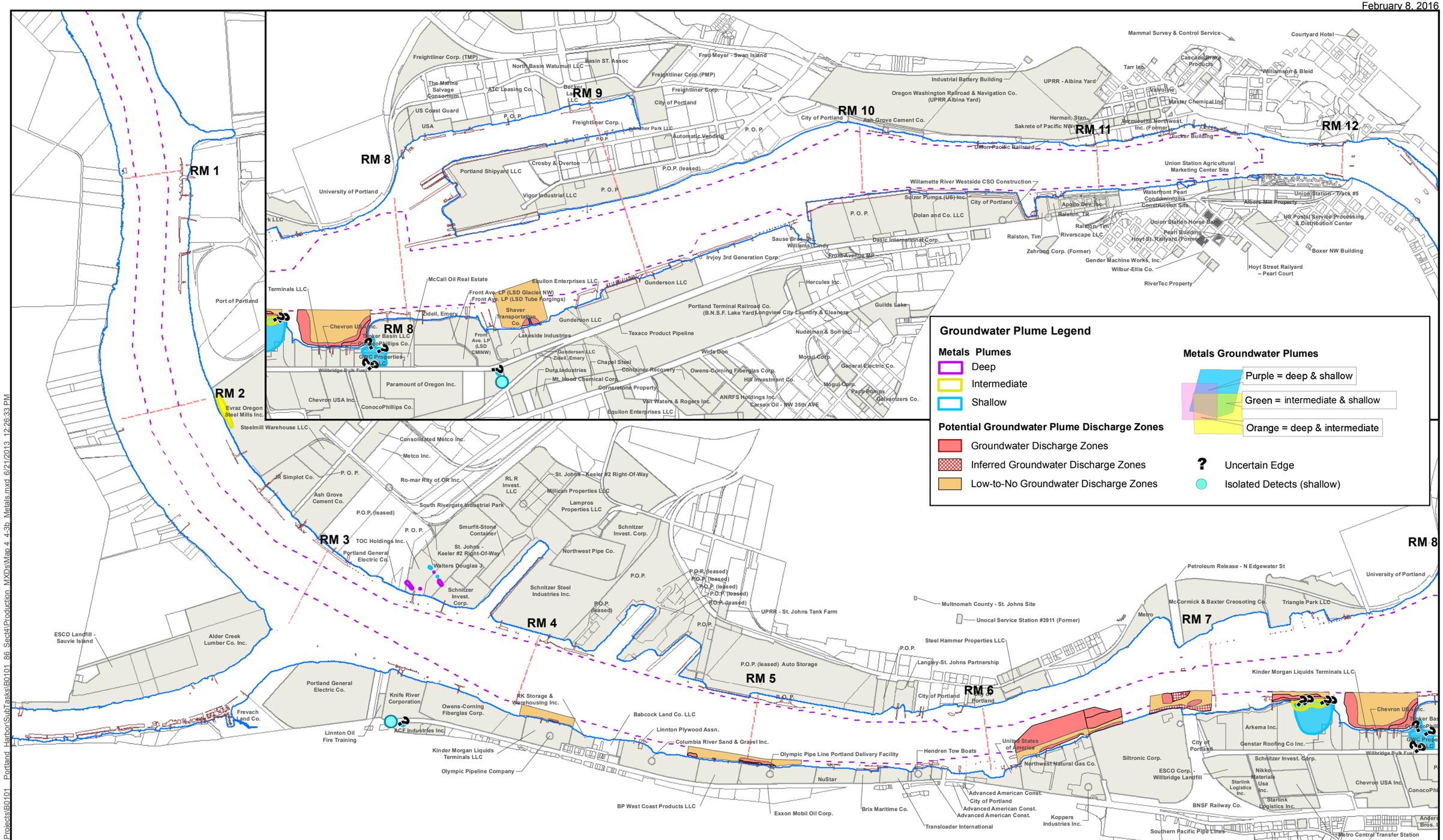
FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.

0 1,250 2,500 5,000 Feet

Map Features

- Navigation Channel
- River Miles
- River Edge +13 ft NAVD
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-3a
Portland Harbor RI/FS
Remedial Investigation Report
Extent of Groundwater Plume Impact
Herbicides/Pesticides



FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.

N

0 1,250 2,500 5,000 Feet

Map Features

- River Miles
- Navigation Channel
- River Edge +13 ft NAVD
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-3b
Portland Harbor RI/FS
Remedial Investigation Report
Extent of Groundwater Plume Impact
Metals

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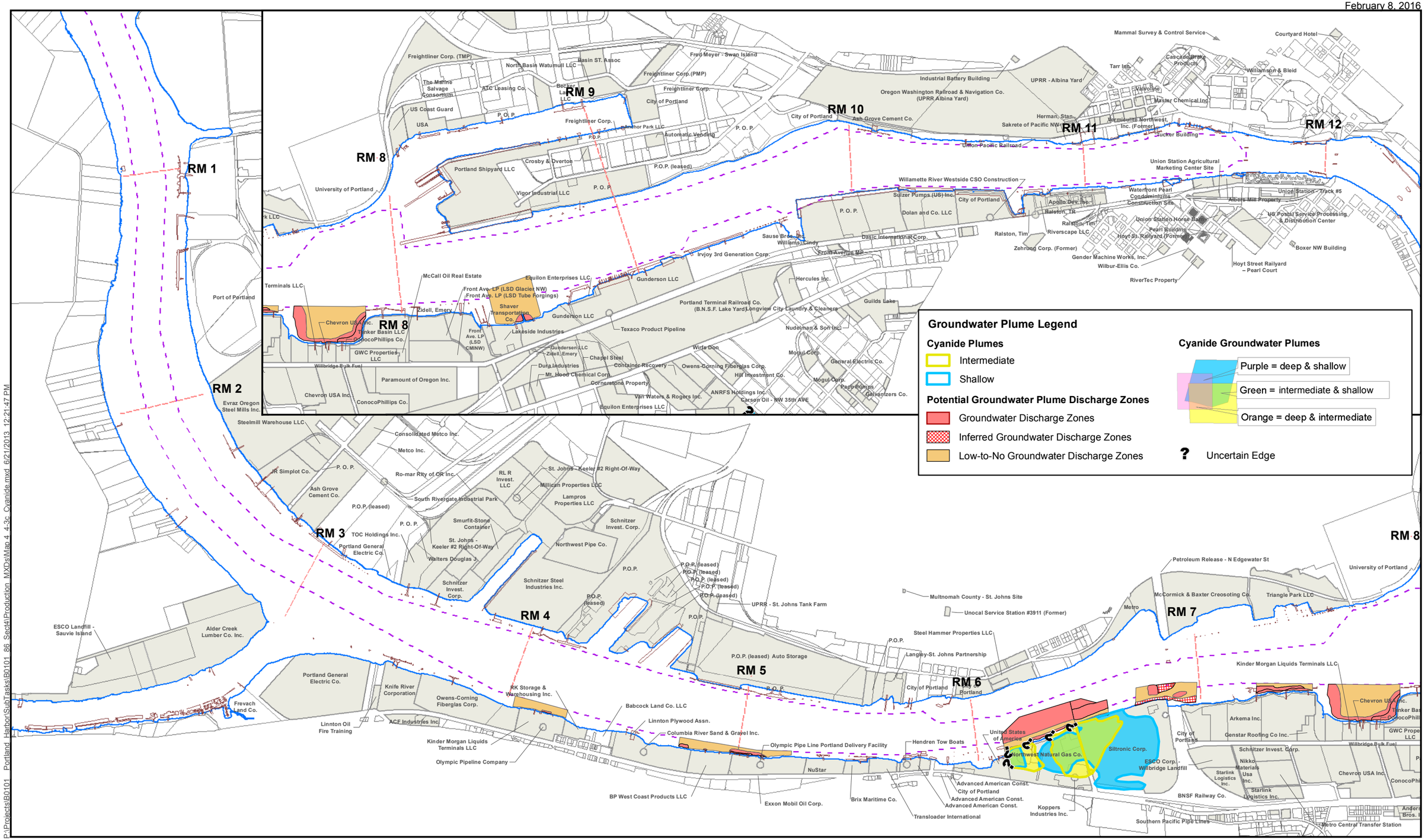
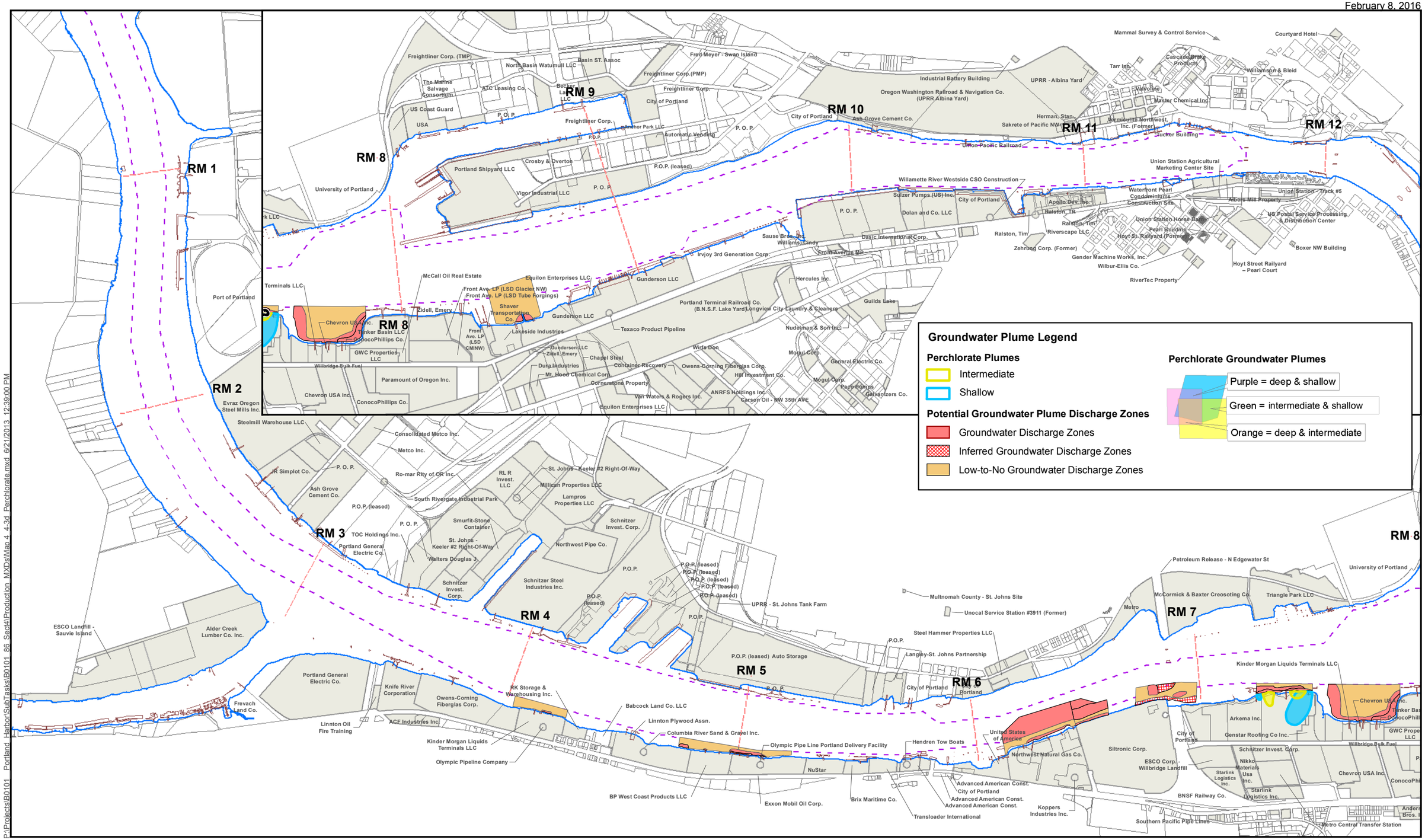


Map 4.4-3c
Portland Harbor RI/FS
Remedial Investigation Report
Extent of Groundwater Plume Impact
Cyanide



FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.

N

0 1,250 2,500 5,000 Feet

Map Features

- River Miles
- Navigation Channel
- River Edge +13 ft NAVD
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-3d
Portland Harbor RI/FS
Remedial Investigation Report
Extent of Groundwater Plume Impact
Perchlorate

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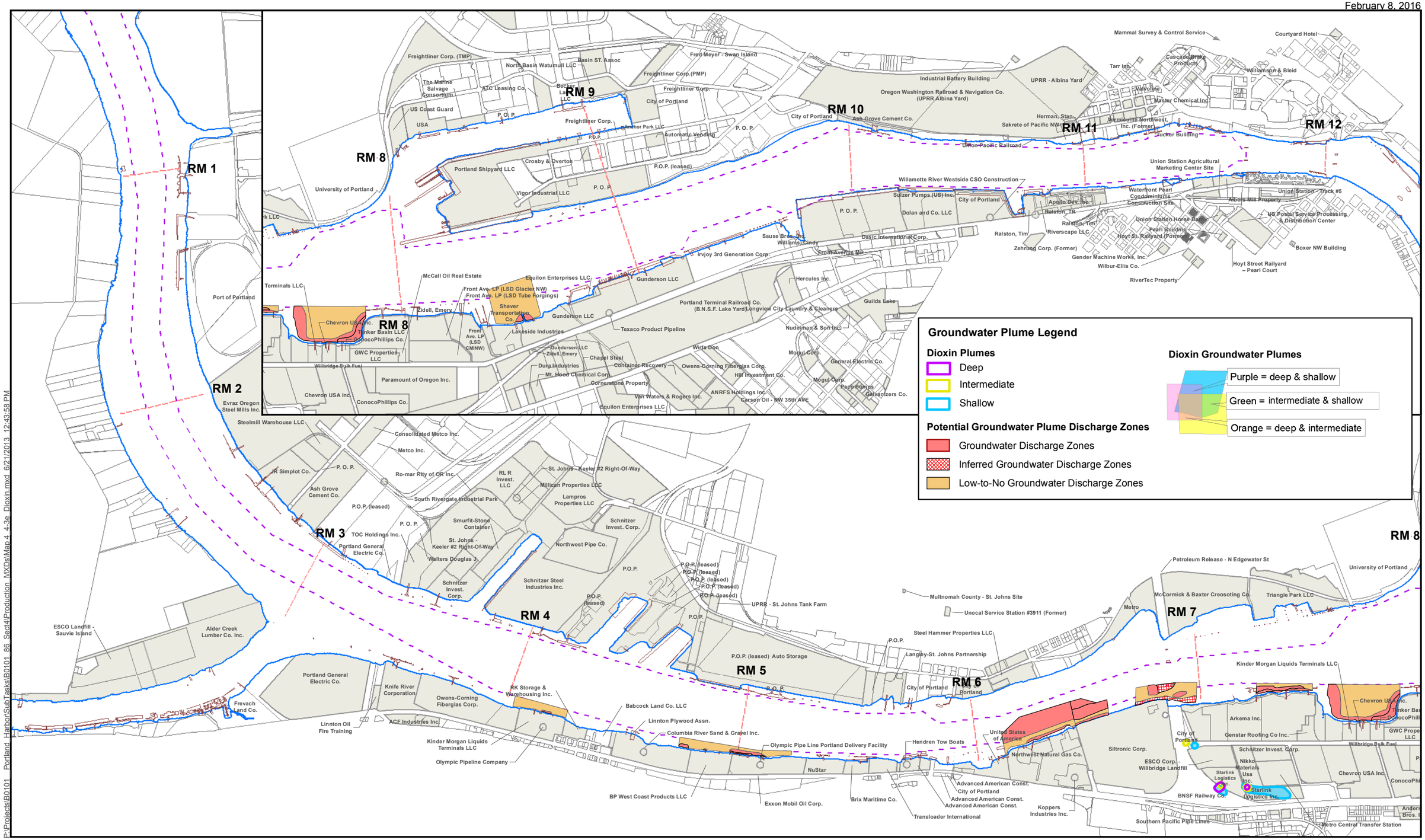

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FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS .
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.

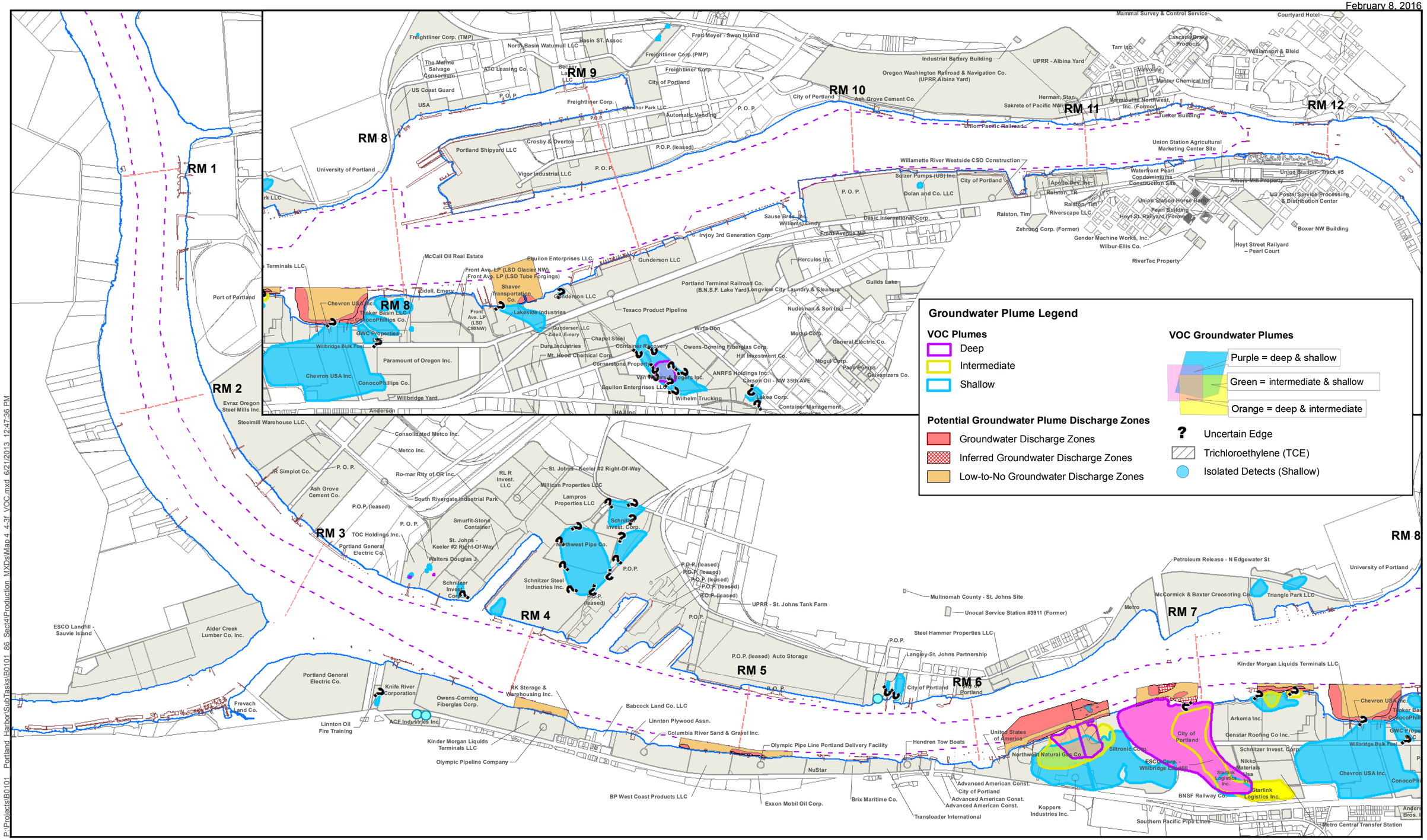
N

0 1,250 2,500 5,000 Feet

Map Features

- River Miles
- Navigation Channel
- River Edge +13 ft NAVD
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-3e
Portland Harbor RI/FS
Remedial Investigation Report
Extent of Groundwater Plume Impact
Dioxin



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Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.

N

0 1,250 2,500 5,000 Feet

Map Features

- River Miles
- Navigation Channel
- River Edge +13 ft NAVD
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-3f
Portland Harbor RI/FS
Remedial Investigation Report
Extent of Groundwater Plume Impact
VOCs

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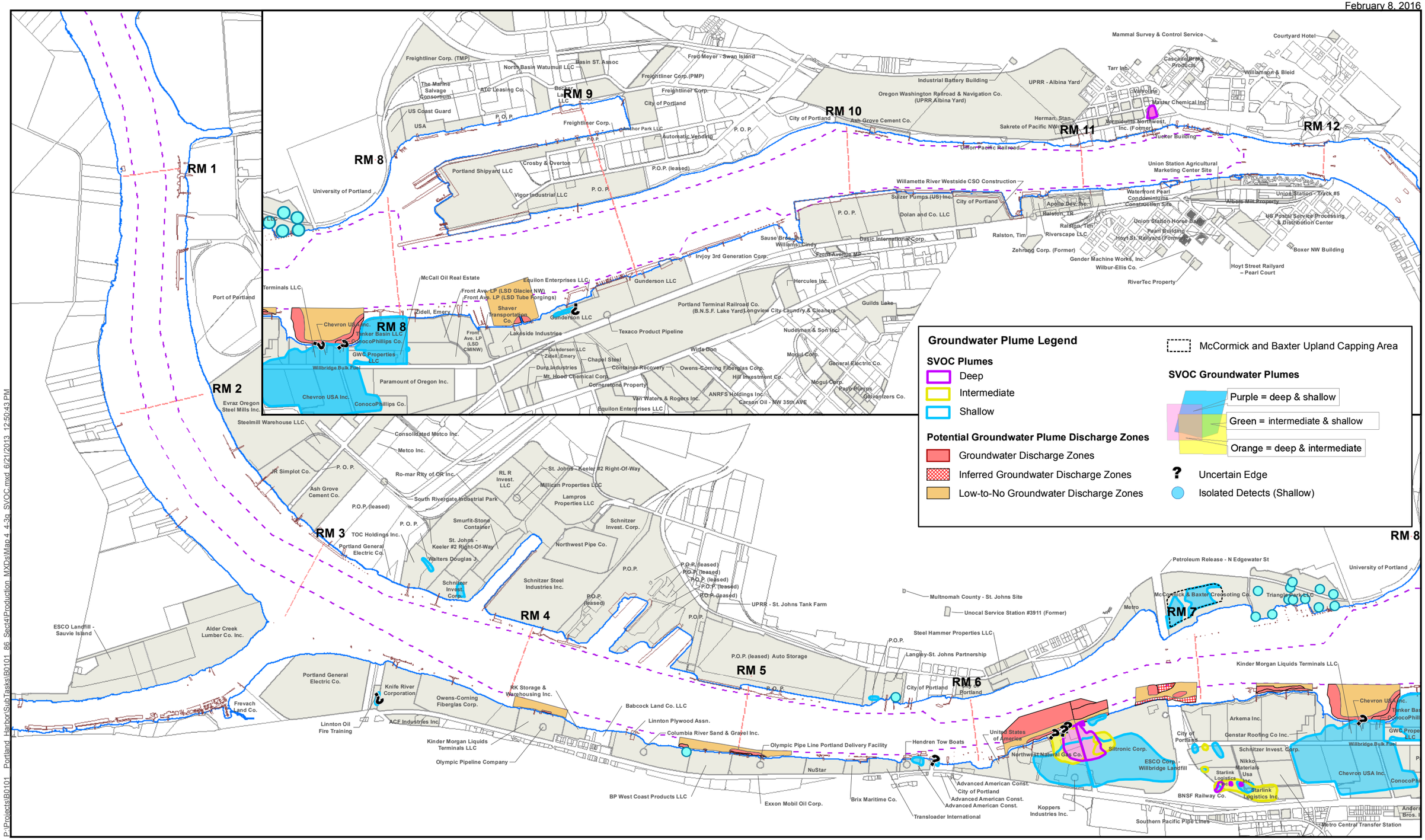

FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.

N

0 1,250 2,500 5,000 Feet

Map Features

- River Miles
- Navigation Channel
- River Edge +13 ft NAVD
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-3g
Portland Harbor RI/FS
Remedial Investigation Report
Extent of Groundwater Plume Impact
SVOCs

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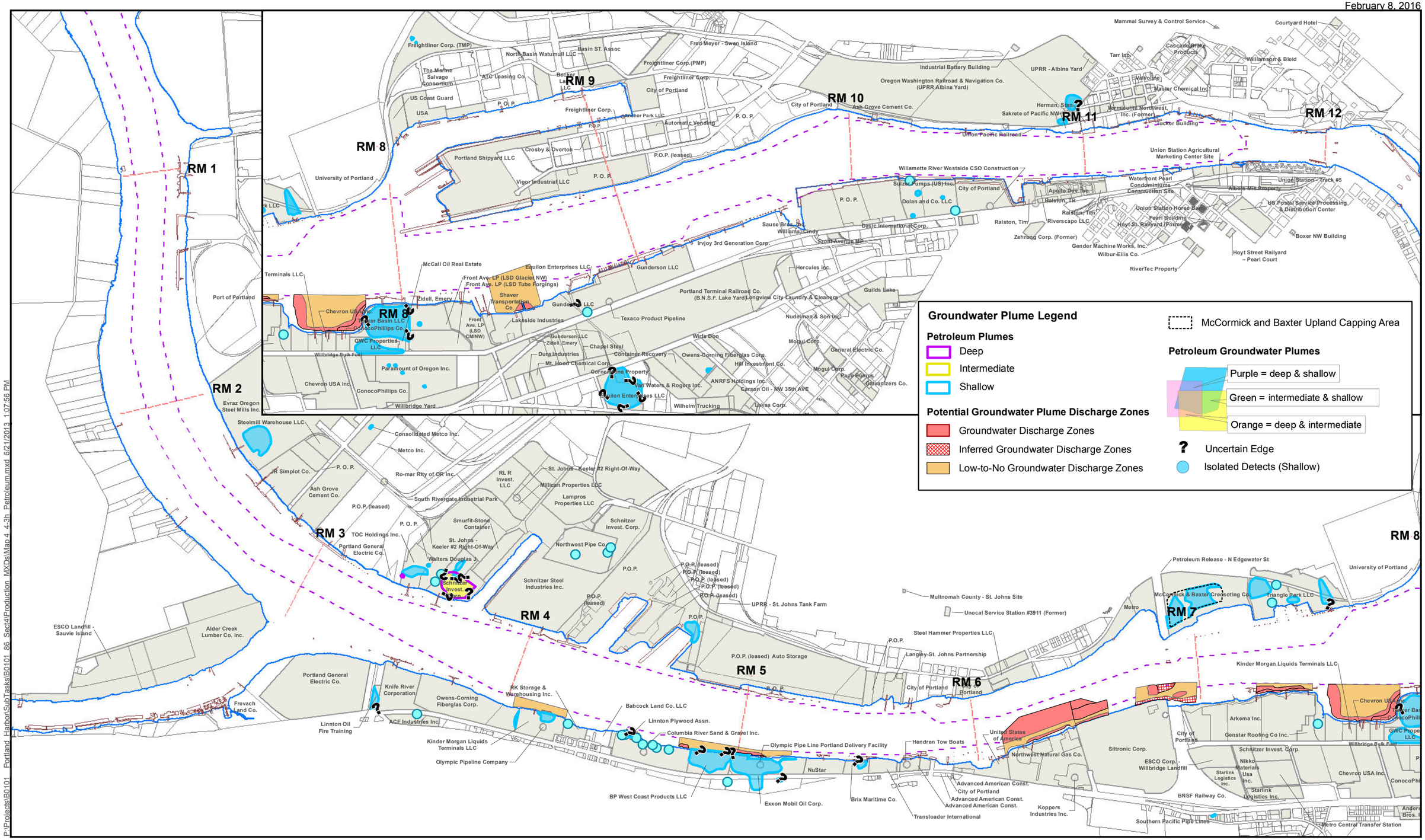


FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.

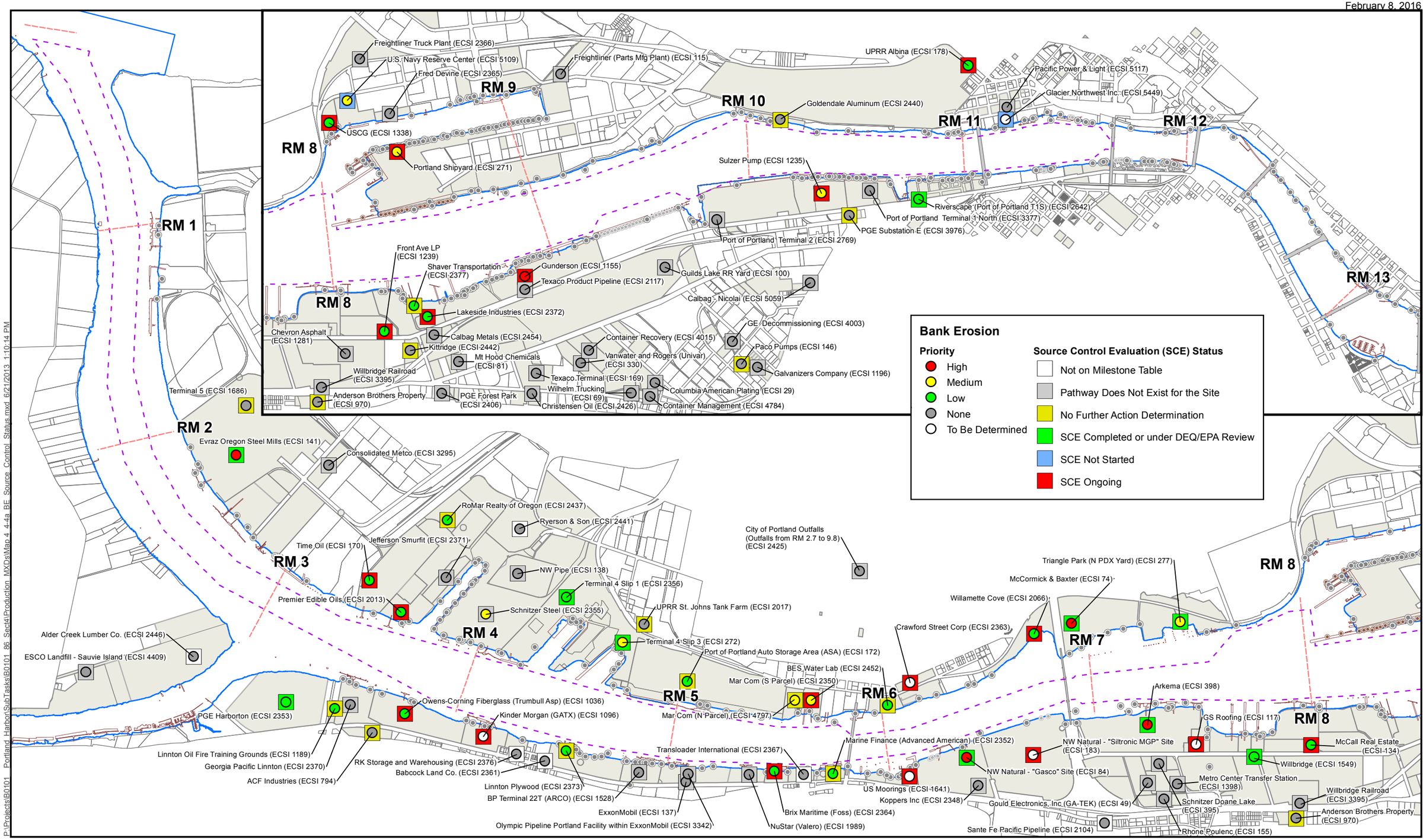
N

0 1,250 2,500 5,000 Feet

Map Features

- River Miles
- Navigation Channel
- River Edge +13 ft NAVD
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-3h
Portland Harbor RI/FS
Remedial Investigation Report
Extent of Groundwater Plume Impact
Petroleum



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FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ESCI Locations: CIty of Portland.

0 1,000 2,000 3,000 4,000 5,000 Feet

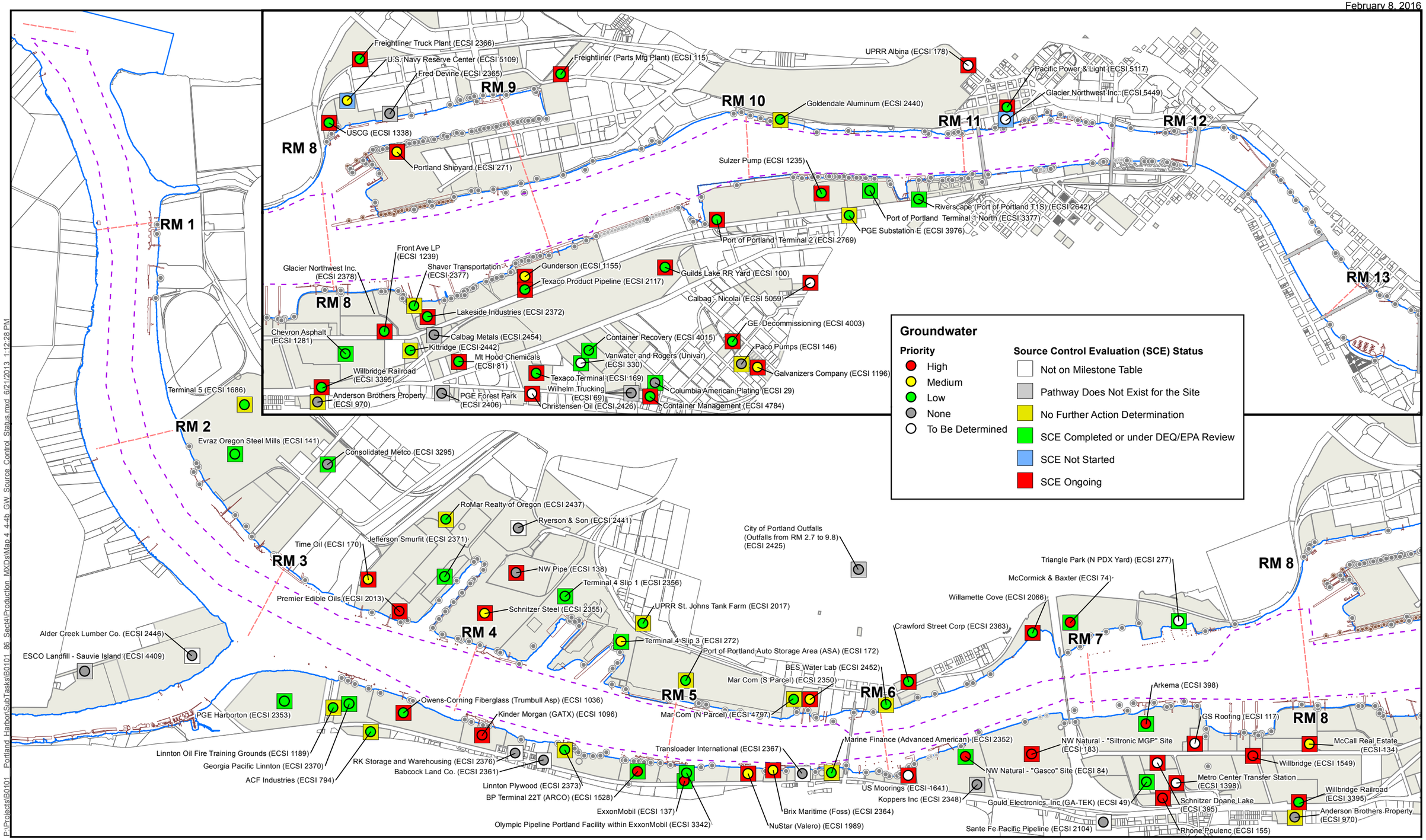
Scale 1:26,000

Map Features
- River Miles
- Navigation Channel
- River Edge +13 ft NAVD

Outfalls
- Outfall
- Dock Drain
- Roof Drain

- Bridges
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-4a
Portland Harbor RI/FS
Remedial Investigation Report
Status of DEQ Source Control for
Upland Sources in Study Area



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FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland.

0 1,000 2,000 3,000 4,000 5,000 Feet

Scale 1:26,000

Map Features

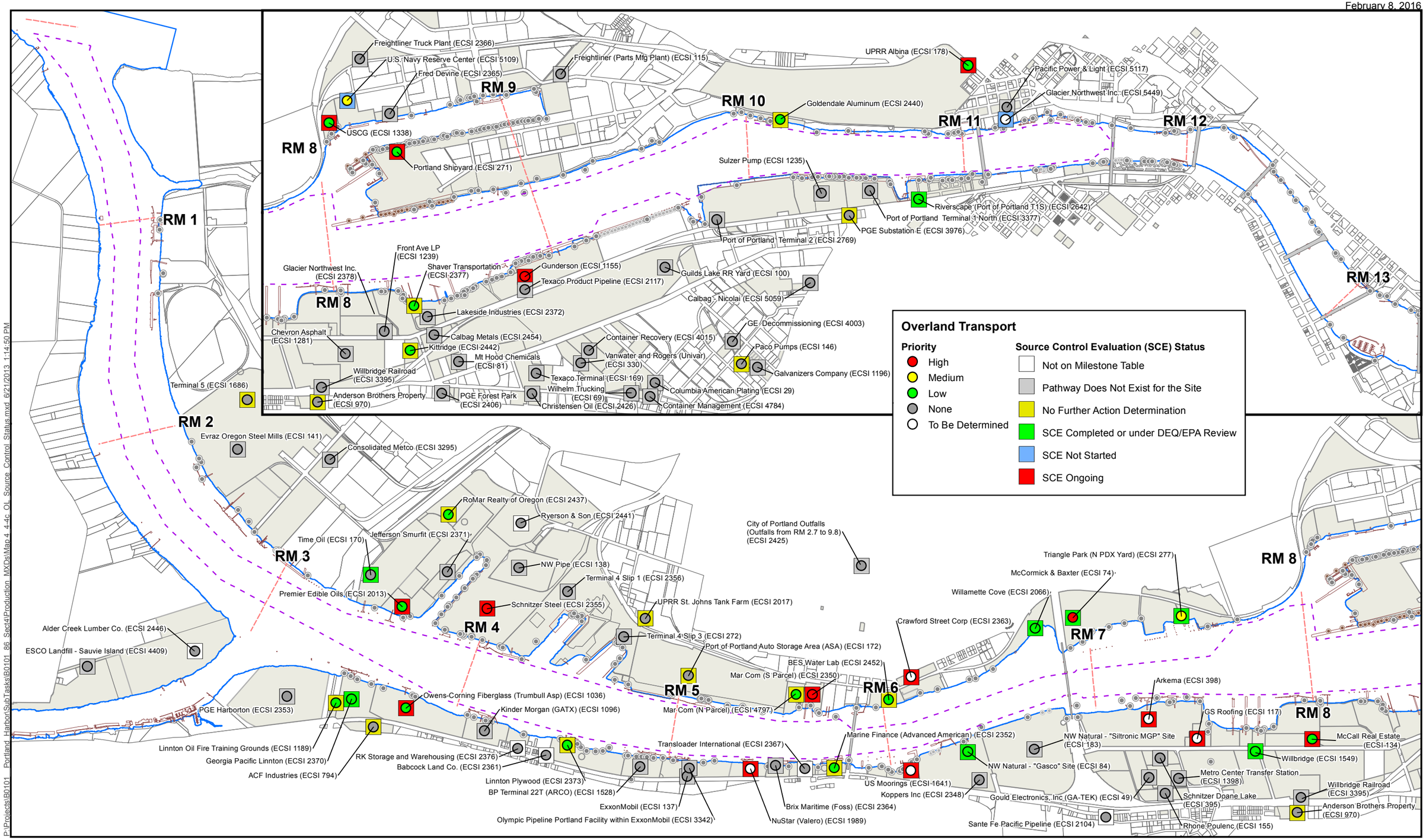
- River Miles
- Navigation Channel
- River Edge +13 ft NAVD

Outfalls

- Outfall
- Dock Drain
- Roof Drain

- Bridges
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-4b
Portland Harbor RI/FS
Remedial Investigation Report
Status of DEQ Source Control for
Upland Sources in Study Area



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FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland.

0 1,000 2,000 3,000 4,000 5,000 Feet

Scale 1:26,000

Map Features

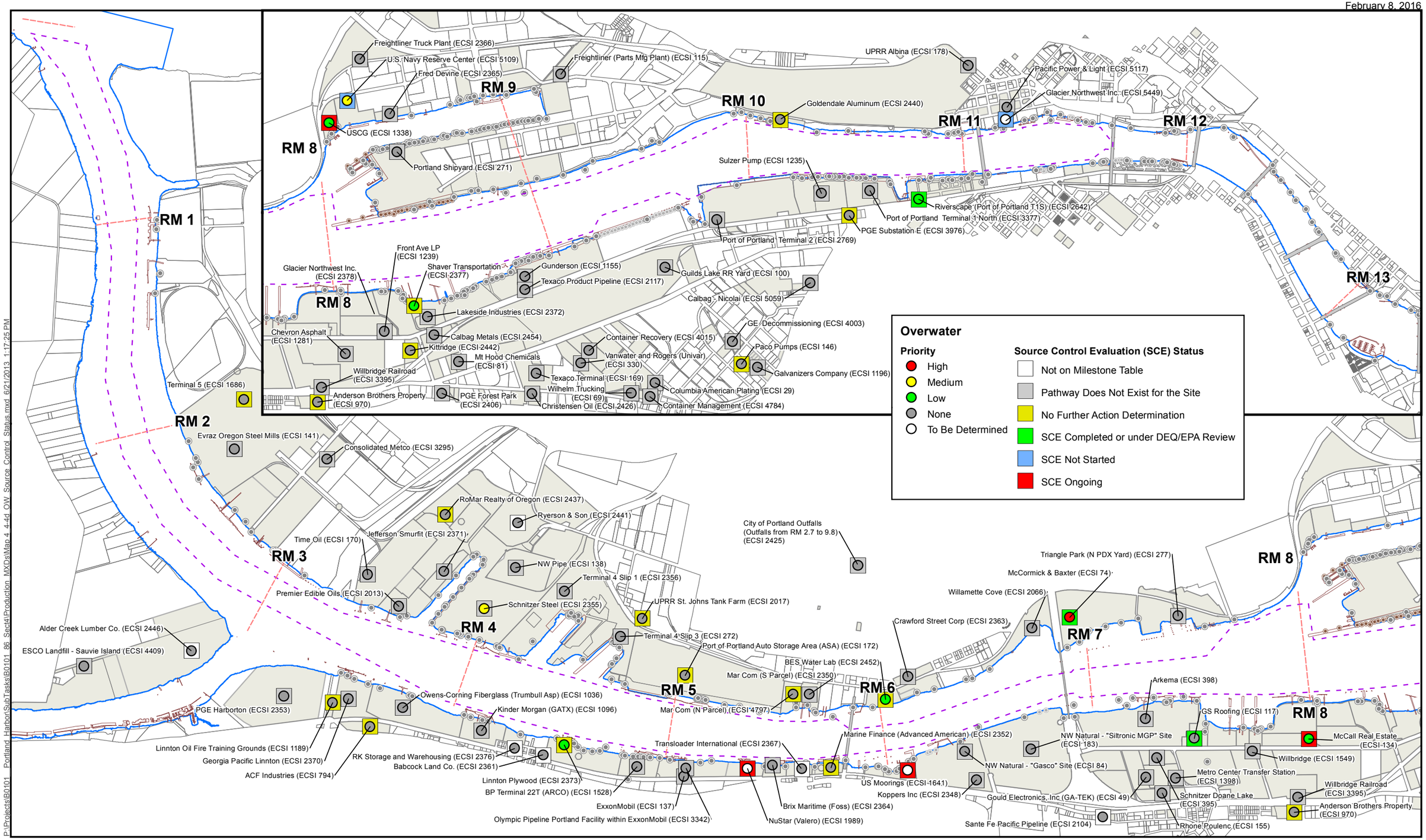
- River Miles
- Navigation Channel
- River Edge +13 ft NAVD

Outfalls

- Outfall
- Dock Drain
- Roof Drain

- Bridges
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-4c
Portland Harbor RI/FS
Remedial Investigation Report
Status of DEQ Source Control for
Upland Sources in Study Area



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FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland.

0 1,000 2,000 3,000 4,000 5,000 Feet

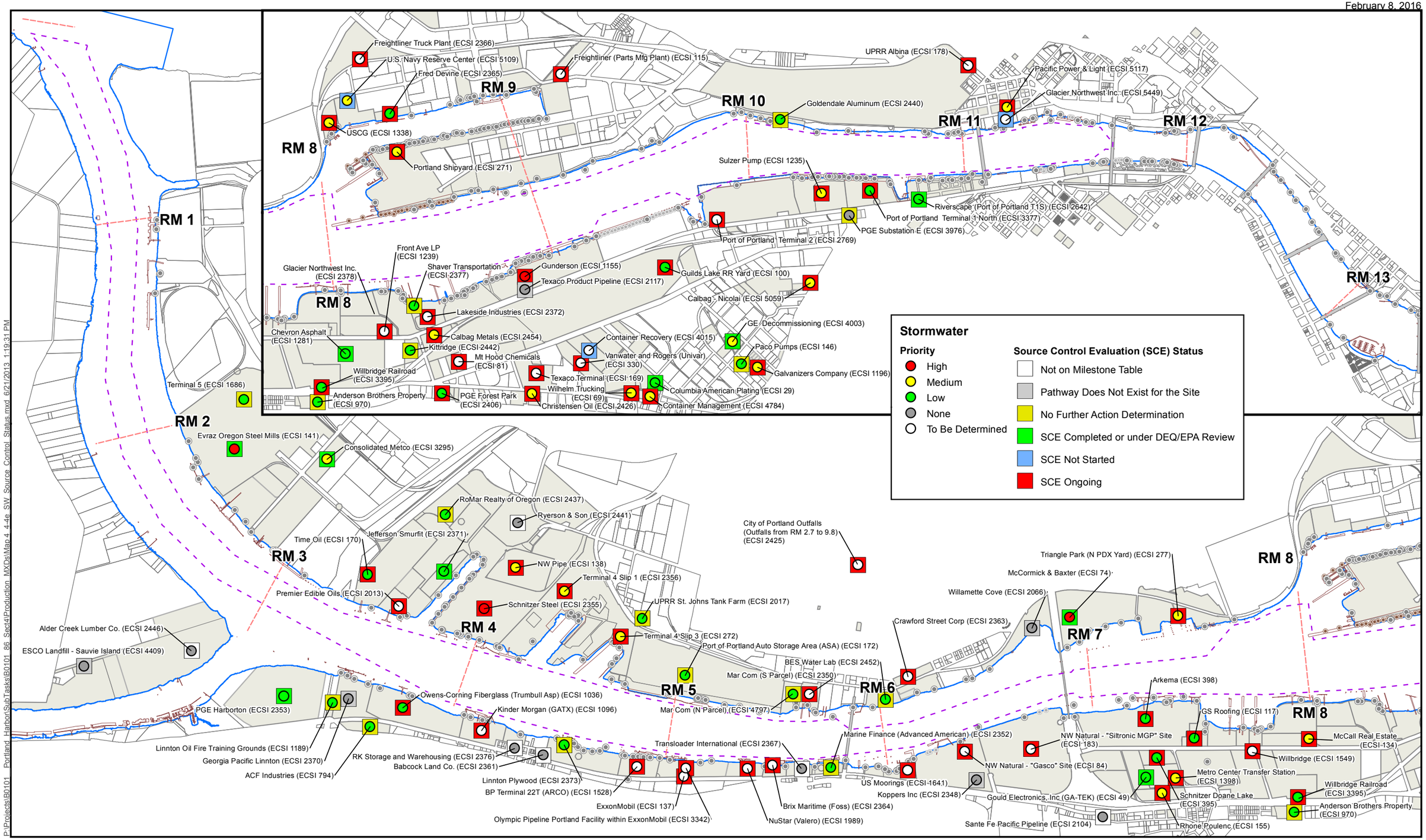
Scale 1:26,000

Map Features
- River Miles
- Navigation Channel
- River Edge +13 ft NAVD

Outfalls
- Outfall
- Dock Drain
- Roof Drain

- Bridges
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-4d
Portland Harbor RI/FS
Remedial Investigation Report
Status of DEQ Source Control for
Upland Sources in Study Area



FEATURE SOURCES:
Transportation, Property, or Boundaries: Metro RLIS.
Channel & River miles: US Army Corps of Engineers.
Bathymetric Information: David Evans and Associates, Inc.
ECSI Locations: City of Portland.

0 1,000 2,000 3,000 4,000 5,000 Feet

Scale 1:26,000

Map Features
- River Miles
- Navigation Channel
- River Edge +13 ft NAVD

Outfalls
- Outfall
- Dock Drain
- Roof Drain

- Bridges
- Docks and Structures
- Upland ECSI Sites (2009)
- Waterfront Taxlots

Map 4.4-4e
Portland Harbor RI/FS
Remedial Investigation Report
Status of DEQ Source Control for
Upland Sources in Study Area

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