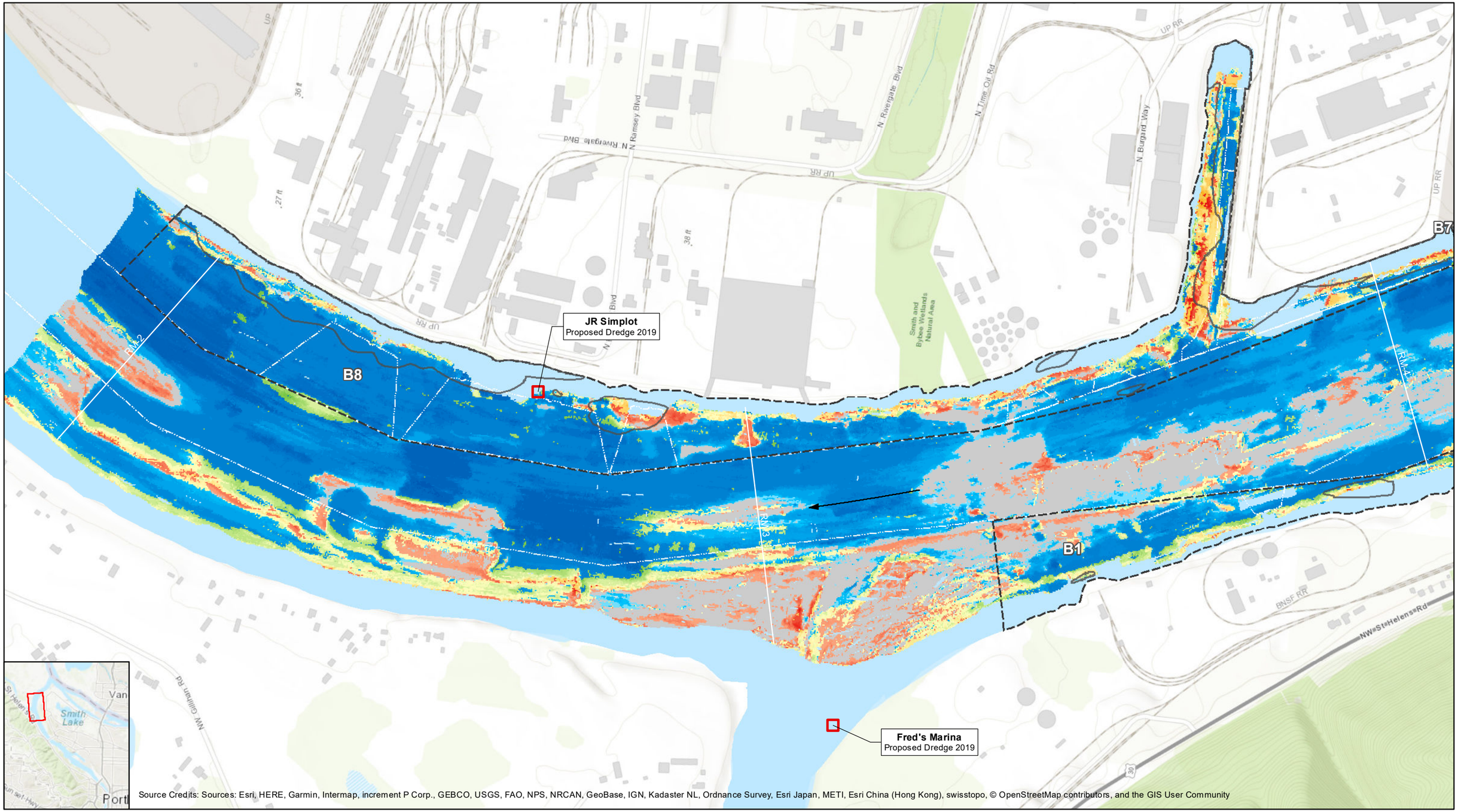


Sand Placement Locations
- Preliminary
- Known

Maintenance Dredging Locations
- Completed
- Proposed

- River Flow
- Navigation Channel and Future Maintenance Dredge
- EPA Proposed Remedial Design Areas
- Remediation Area (ROD)

- Consistently Erosional
- Dynamic Equilibrium: Erosional
- Dynamic Equilibrium: Neutral
- Dynamic Equilibrium: Depositional
- Consistently Depositional

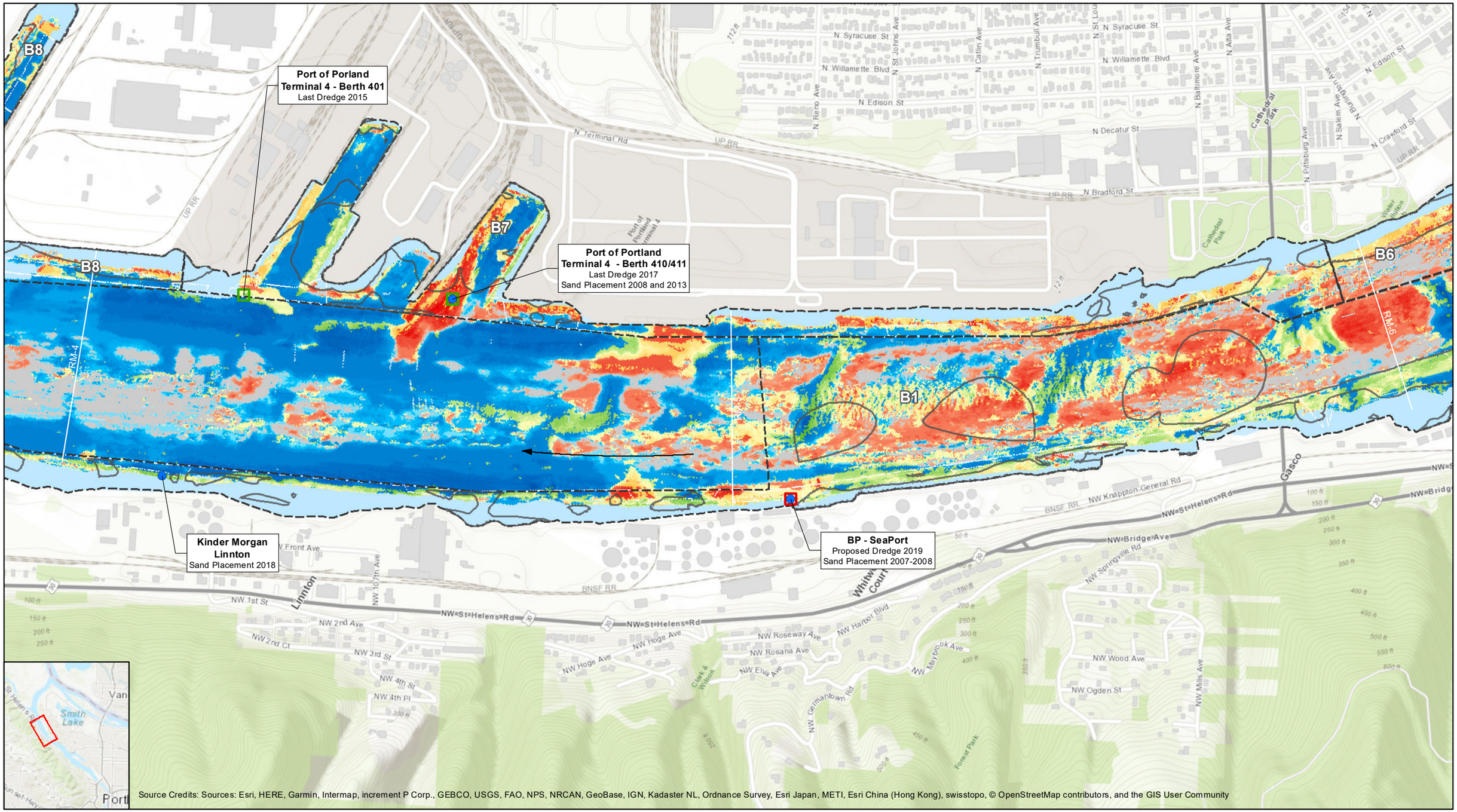
- Consistently Neutral

Figure S1-a.
Cummulative Sediment Deposition Scores
River Mile 1.9 to 4

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Cumulative-Sediment-Deposition-Score-by-RM.mxd

Date: 4/4/2019



Sand Placement Locations
- Preliminary
- Known

Maintenance Dredging Locations
- Completed
- Proposed

- River Flow
- Navigation Channel and Future Maintenance Dredge
- EPA Proposed Remedial Design Areas
- Remediation Area (ROD)

- Consistently Erosional
- Dynamic Equilibrium: Erosional
- Dynamic Equilibrium: Neutral
- Dynamic Equilibrium: Depositional
- Consistently Depositional

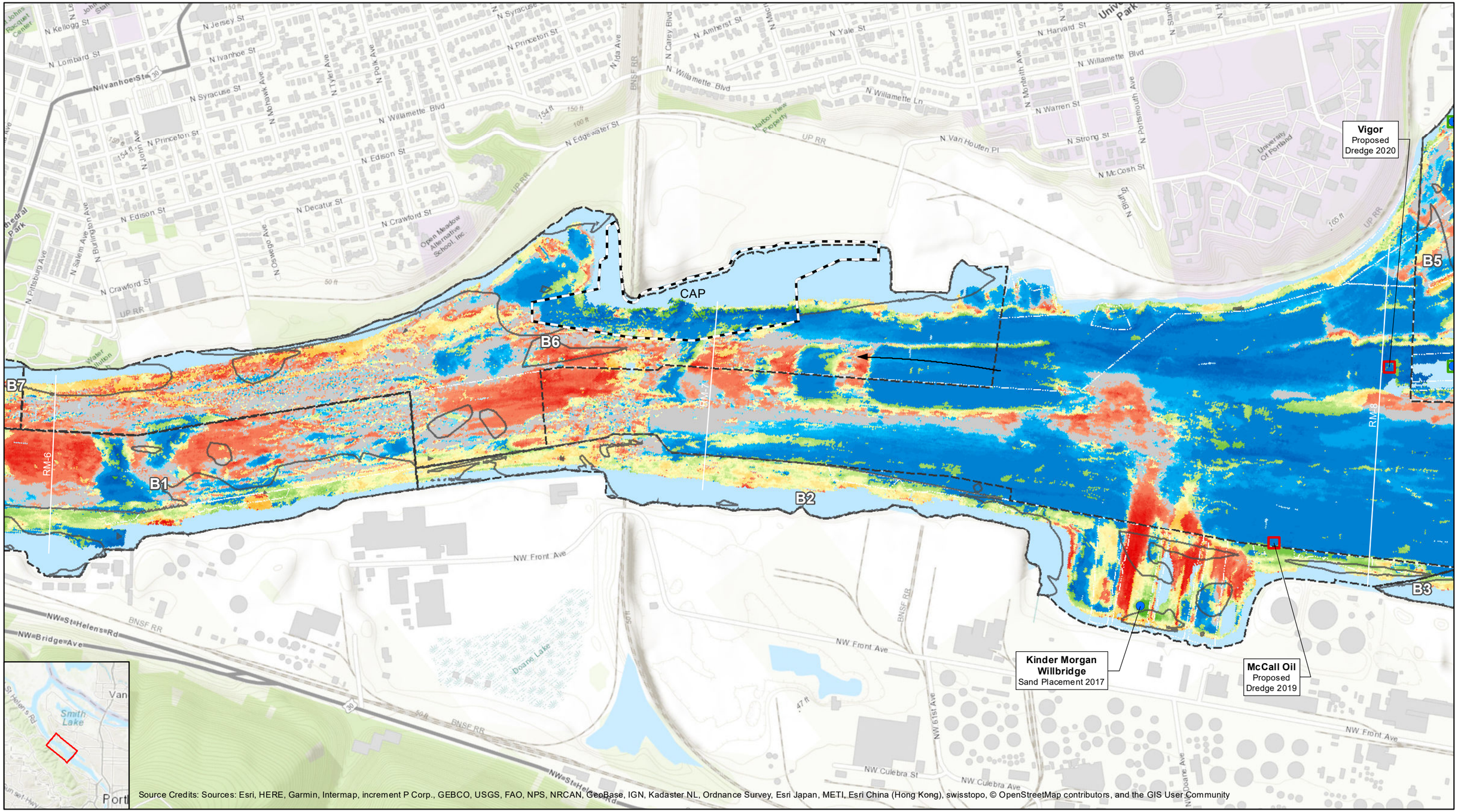
- Consistently Neutral

Figure S1-b.
Cummulative Sediment Deposition Scores
River Mile 4 to 6

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Cumulative-Sediment-Deposition-Score-by-RM.mxd

Date: 4/4/2019



Sand Placement Locations
- Preliminary
- Known

Maintenance Dredging Locations
- Completed
- Proposed

- River Flow
- Navigation Channel and Future Maintenance Dredge
- EPA Proposed Remedial Design Areas
- Remediation Area (ROD)

- Consistently Erosional
- Dynamic Equilibrium: Erosional
- Dynamic Equilibrium: Neutral
- Dynamic Equilibrium: Depositional
- Consistently Depositional

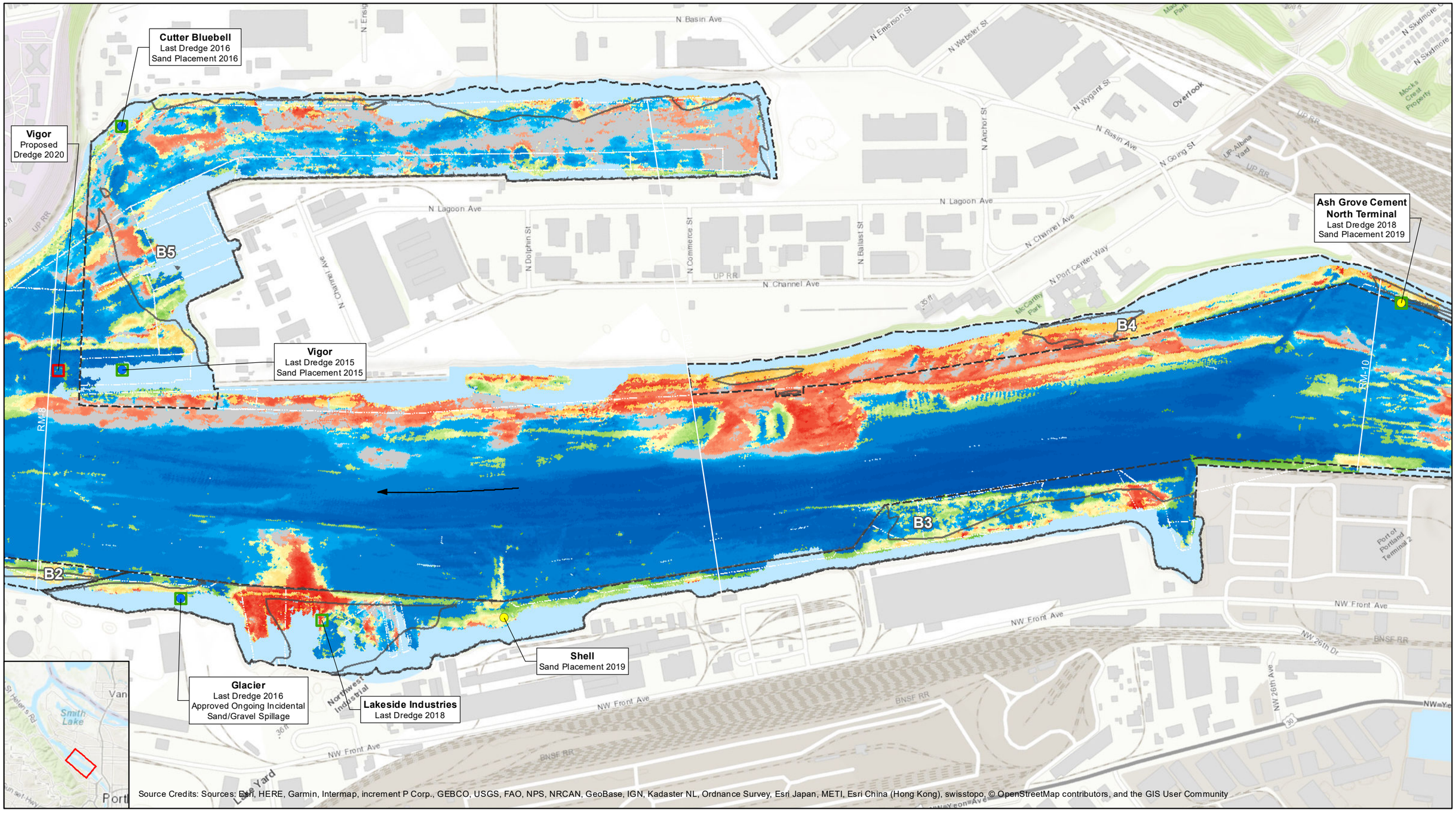
- Consistently Neutral

Figure S1-c.
Cummulative Sediment Deposition Scores
River Mile 6 to 8

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Cumulative-Sediment-Deposition-Score-by-RM.mxd

Date: 4/4/2019



Sand Placement Locations
- Preliminary
- Known

Maintenance Dredging Locations
- Completed
- Proposed

- River Flow
- Navigation Channel and Future Maintenance Dredge
- EPA Proposed Remedial Design Areas
- Remediation Area (ROD)

- Consistently Erosional
- Dynamic Equilibrium: Erosional
- Dynamic Equilibrium: Neutral
- Dynamic Equilibrium: Depositional
- Consistently Depositional

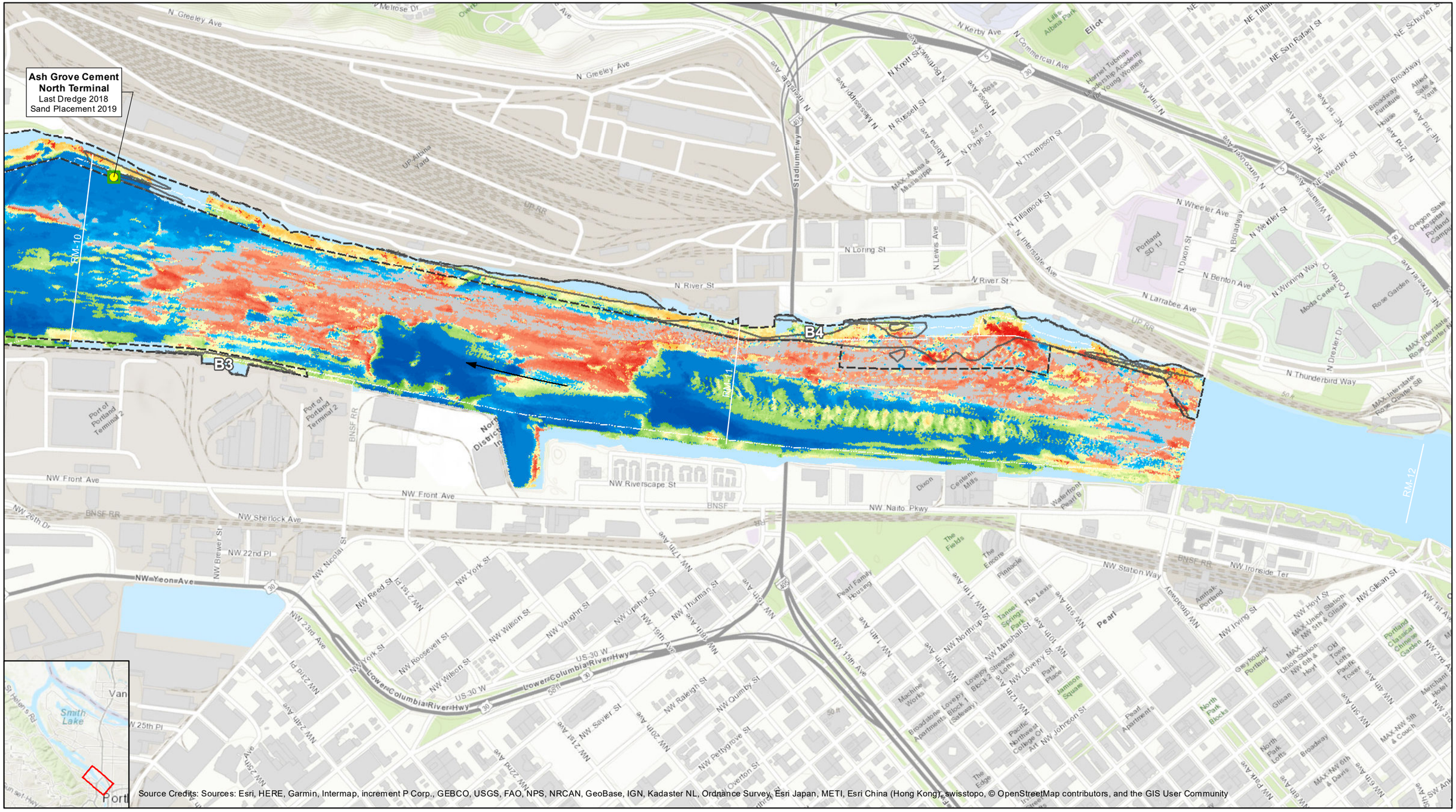
- Consistently Neutral

Figure S1-d.
Cummulative Sediment Deposition Scores
River Mile 8 to 10

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Cumulative-Sediment-Deposition-Score-by-RM.mxd

Date: 4/4/2019



Sand Placement Locations
- Preliminary
- Known

Maintenance Dredging Locations
- Completed
- Proposed

- River Flow
- Navigation Channel and Future Maintenance Dredge
- EPA Proposed Remedial Design Areas
- Remediation Area (ROD)

- Consistently Erosional
- Dynamic Equilibrium: Erosional
- Dynamic Equilibrium: Neutral
- Dynamic Equilibrium: Depositional
- Consistently Depositional

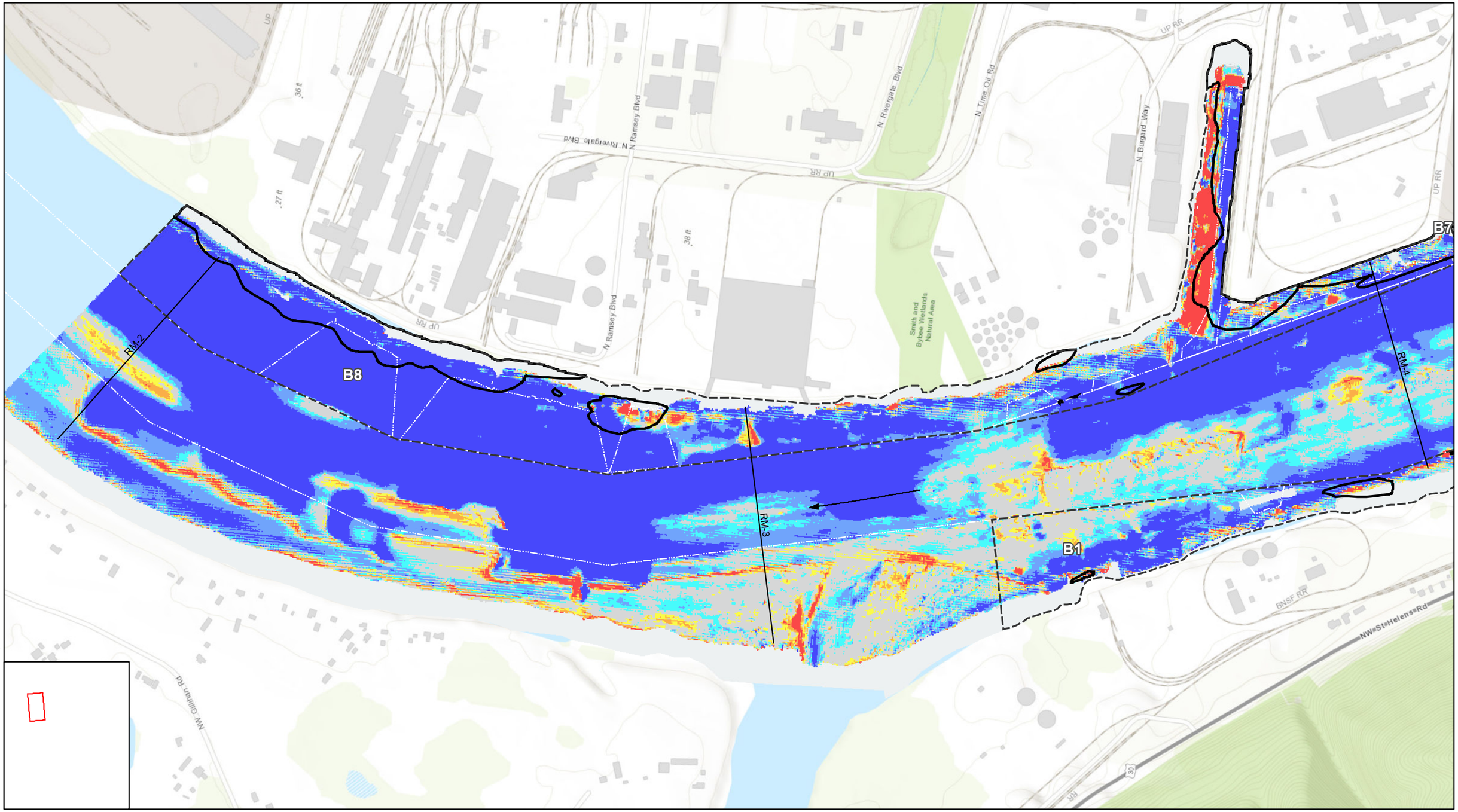
- Consistently Neutral

Figure S1-e.
Cummulative Sediment Deposition Scores
River Mile 10 to 12

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Cumulative-Sediment-Deposition-Score-by-RM.mxd

Date: 4/4/2019



Source Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap

River Flow

Navigation Channel and Future Maintenance Dredge

EPA Proposed Remedial Design Areas

Remediation Area - Selected Remedy

Absolute Bathy Change from 2004 to 20018 (cm)

< -30

> -30 to -15

> -15 to -7.5

> -7.5 to 7.5

> 7.5 to 15

> 15 to 30

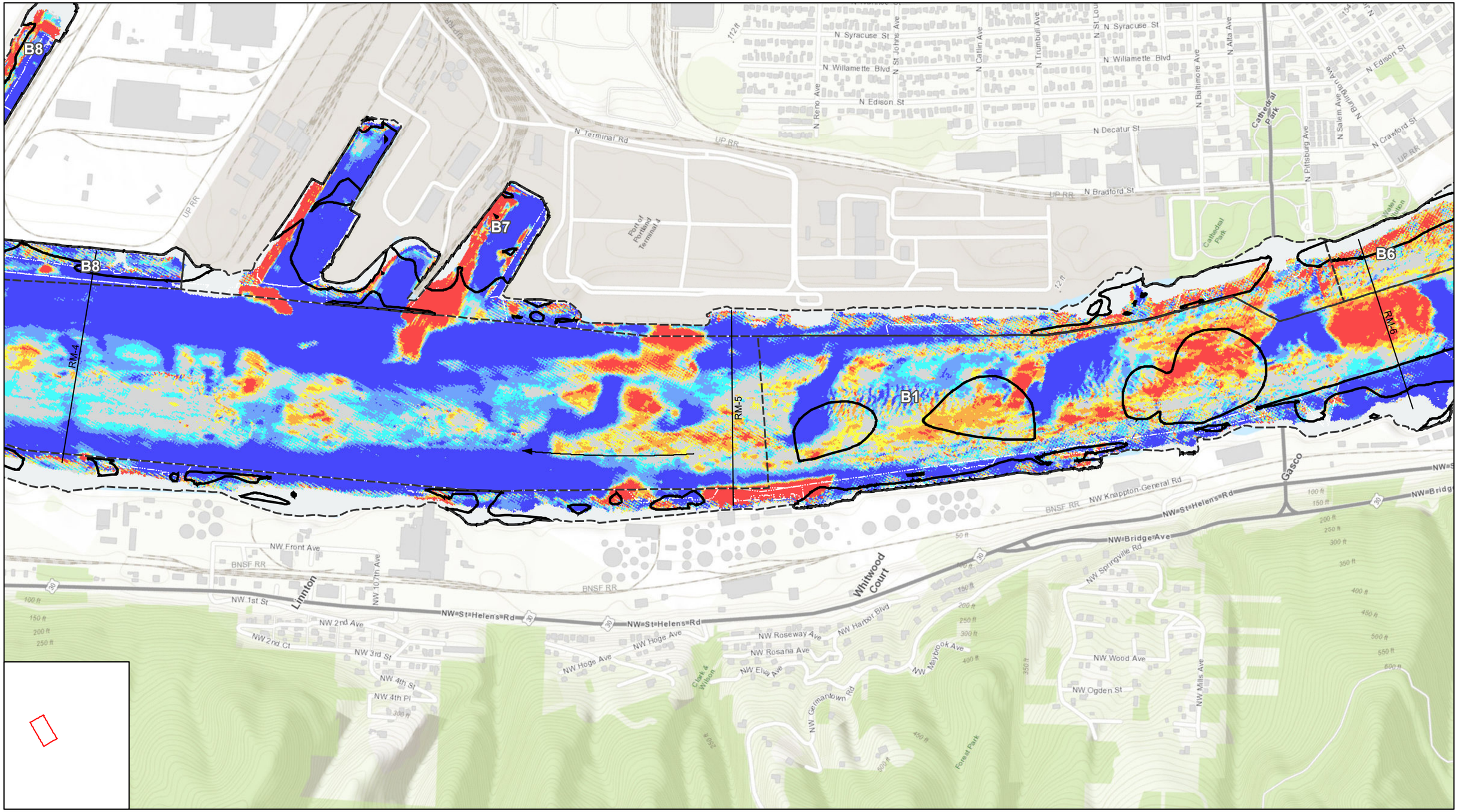
> 30

Figure S2-a.
Absolute Bathy Change, 2004 to 2018
River Mile 1.9 to 4

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Absolute Bathy Change_2004to2018_byRM.mxd

Date: 4/4/2019



Source Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap

River Flow

Navigation Channel and Future Maintenance Dredge

EPA Proposed Remedial Design Areas

Remediation Area - Selected Remedy

Absolute Bathy Change from 2004 to 20018 (cm)

< -30

> -30 to -15

> -15 to -7.5

> -7.5 to 7.5

> 7.5 to 15

> 15 to 30

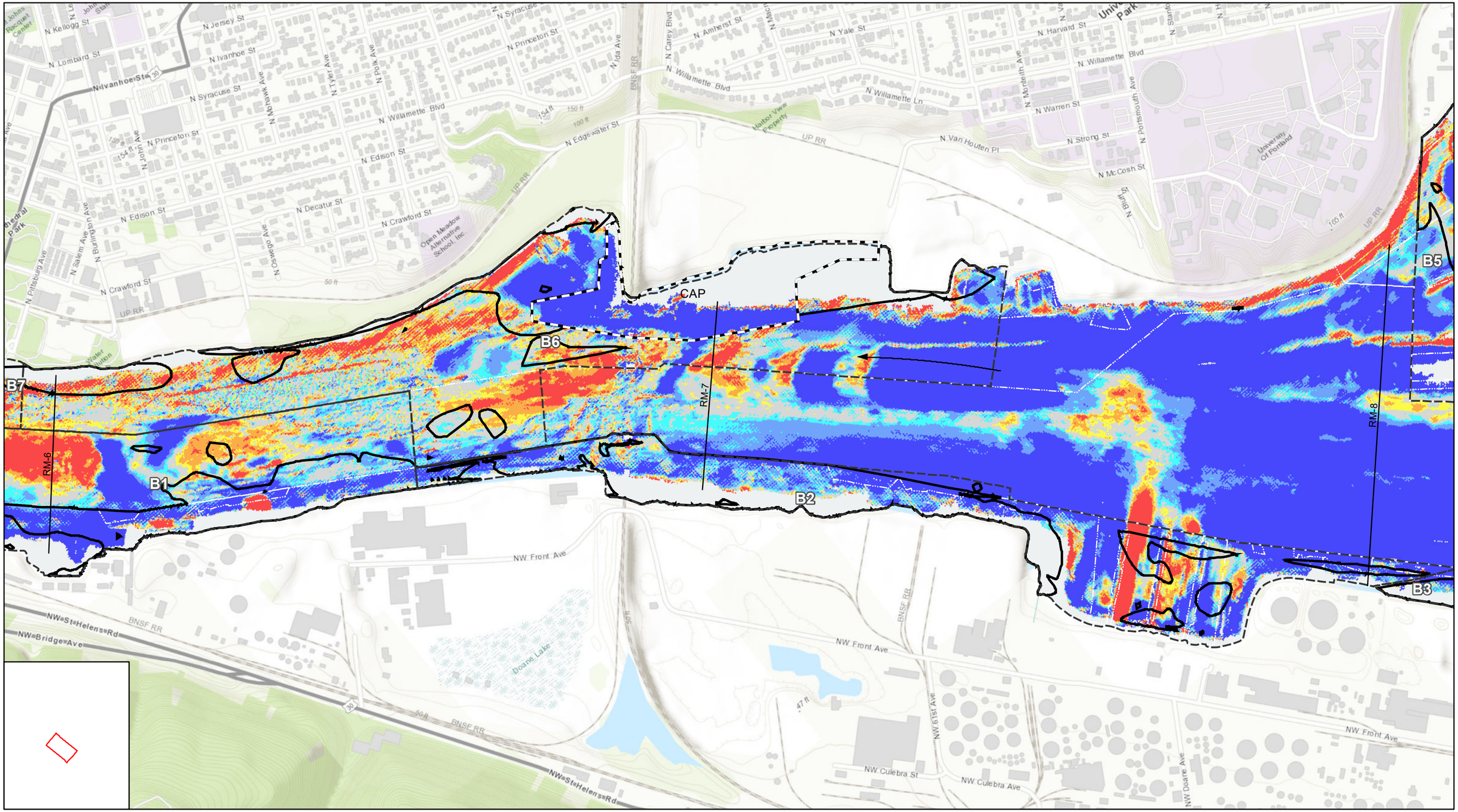
> 30

Figure S2-b.
Absolute Bathy Change, 2004 to 2018
River Mile 4 to 6

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Absolute Bathy Change_2004to2018_byRM.mxd

Date: 4/4/2019



Source Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap

River Flow

Navigation Channel and Future Maintenance Dredge

EPA Proposed Remedial Design Areas

Remediation Area - Selected Remedy

Absolute Bathy Change from 2004 to 20018 (cm)

< -30

> -30 to -15

> -15 to -7.5

> -7.5 to 7.5

> 7.5 to 15

> 15 to 30

> 30

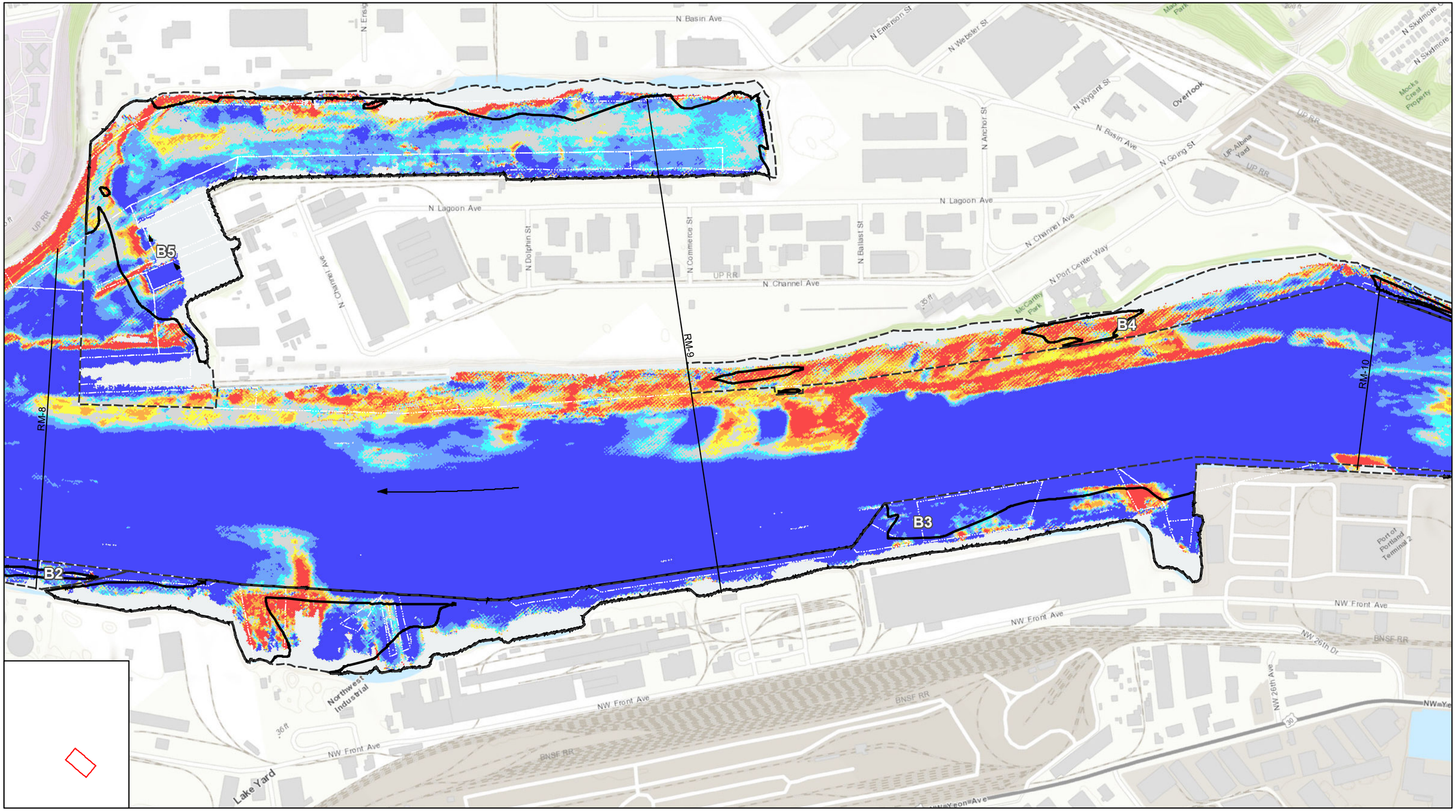
Figure S2-c.
Absolute Bathy Change, 2004 to 2018
River Mile 6 to 8

N

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Absolute Bathy Change_2004to2018_byRM.mxd

Date: 4/4/2019



Source Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap

River Flow

Navigation Channel and Future Maintenance Dredge

EPA Proposed Remedial Design Areas

Remediation Area - Selected Remedy

Absolute Bathy Change from 2004 to 20018 (cm)

< -30

> -30 to -15

> -15 to -7.5

> -7.5 to 7.5

> 7.5 to 15

> 15 to 30

> 30

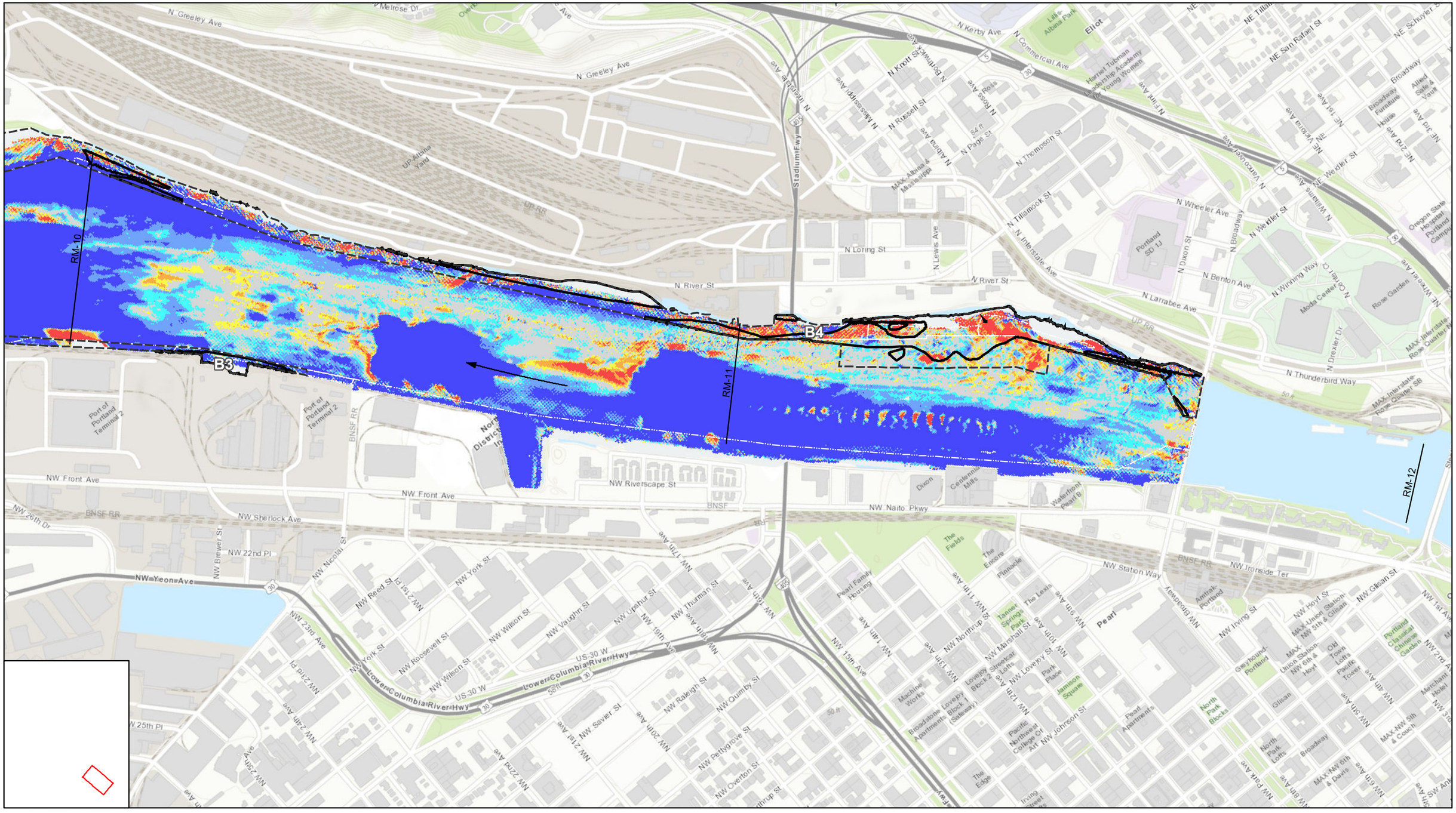
Figure S2-d.
Absolute Bathy Change, 2004 to 2018
River Mile 8 to 10

N

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Absolute Bathy Change_2004to2018_byRM.mxd

Date: 4/4/2019



Source Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap

River Flow

Navigation Channel and Future Maintenance Dredge

EPA Proposed Remedial Design Areas

Remediation Area - Selected Remedy

Absolute Bathy Change from 2004 to 20018 (cm)

< -30

> -30 to -15

> -15 to -7.5

> -7.5 to 7.5

> 7.5 to 15

> 15 to 30

> 30

Figure S2-e.
Absolute Bathy Change, 2004 to 2018
River Mile 10 to 12

0 500 1,000
Feet

Path: E:_Projects\Portland Harbor\GIS\MapDocuments\Bathy\Absolute Bathy Change_2004to2018_byRM.mxd

Date: 4/4/2019