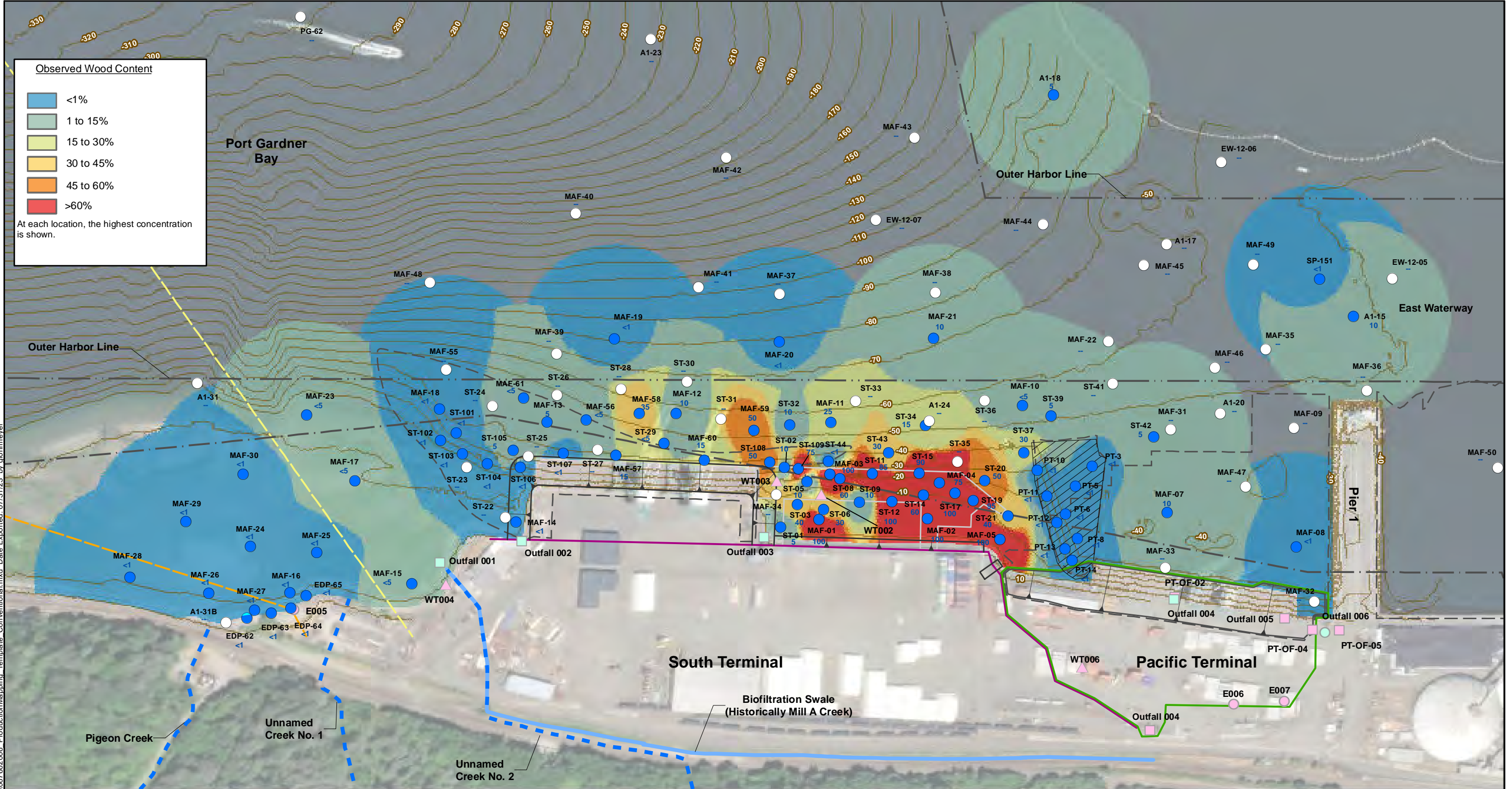


APPENDIX Q
**Conventional, Benthic and Human Health Remedial
Investigation Result – 2-foot Lift Maps**

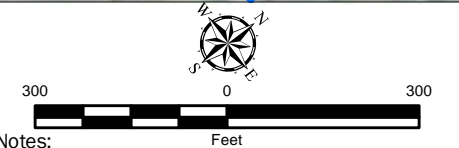


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result

MAF-01 1.22

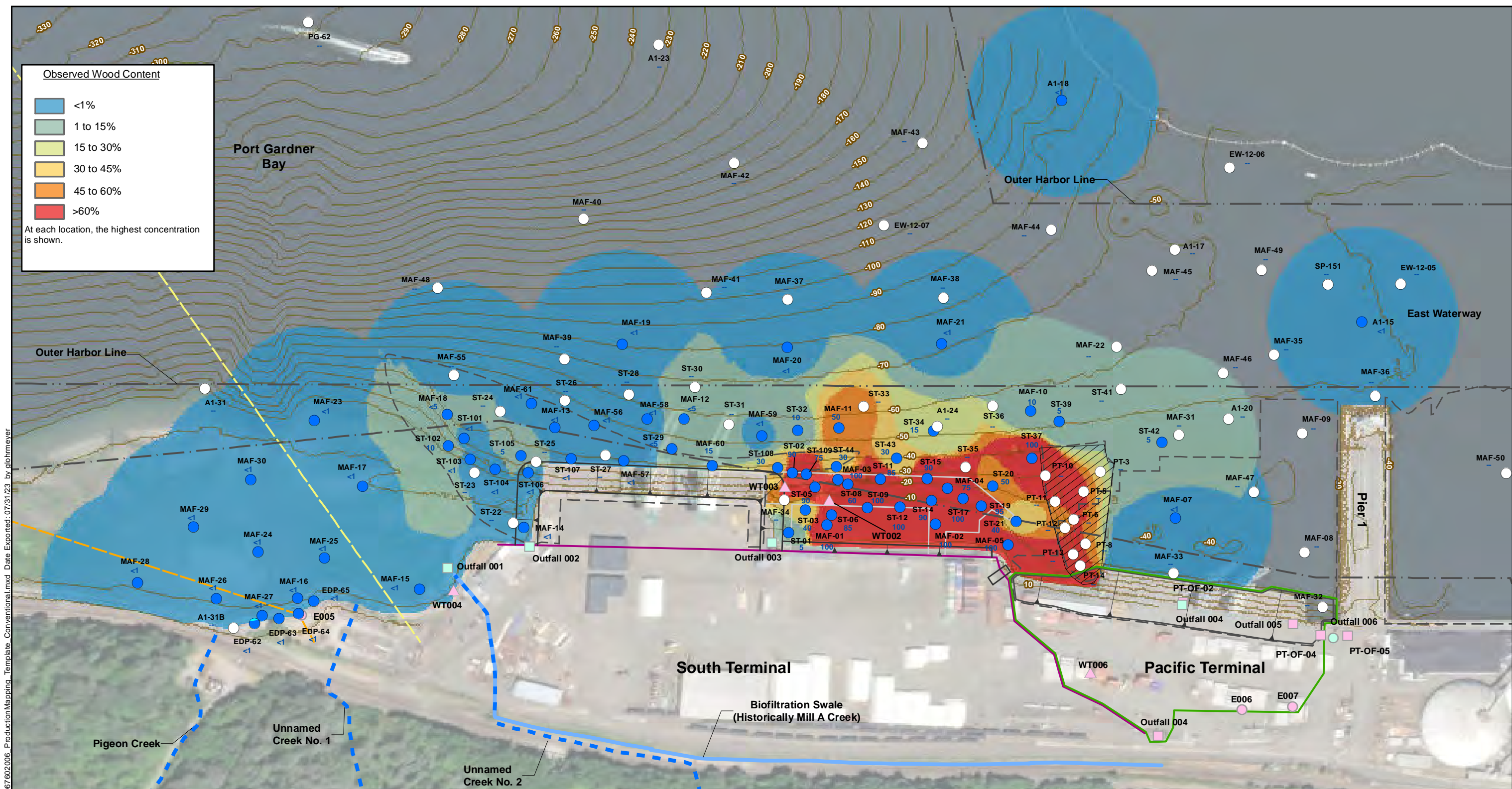
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-1

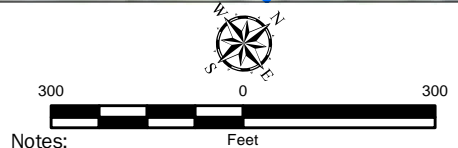


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

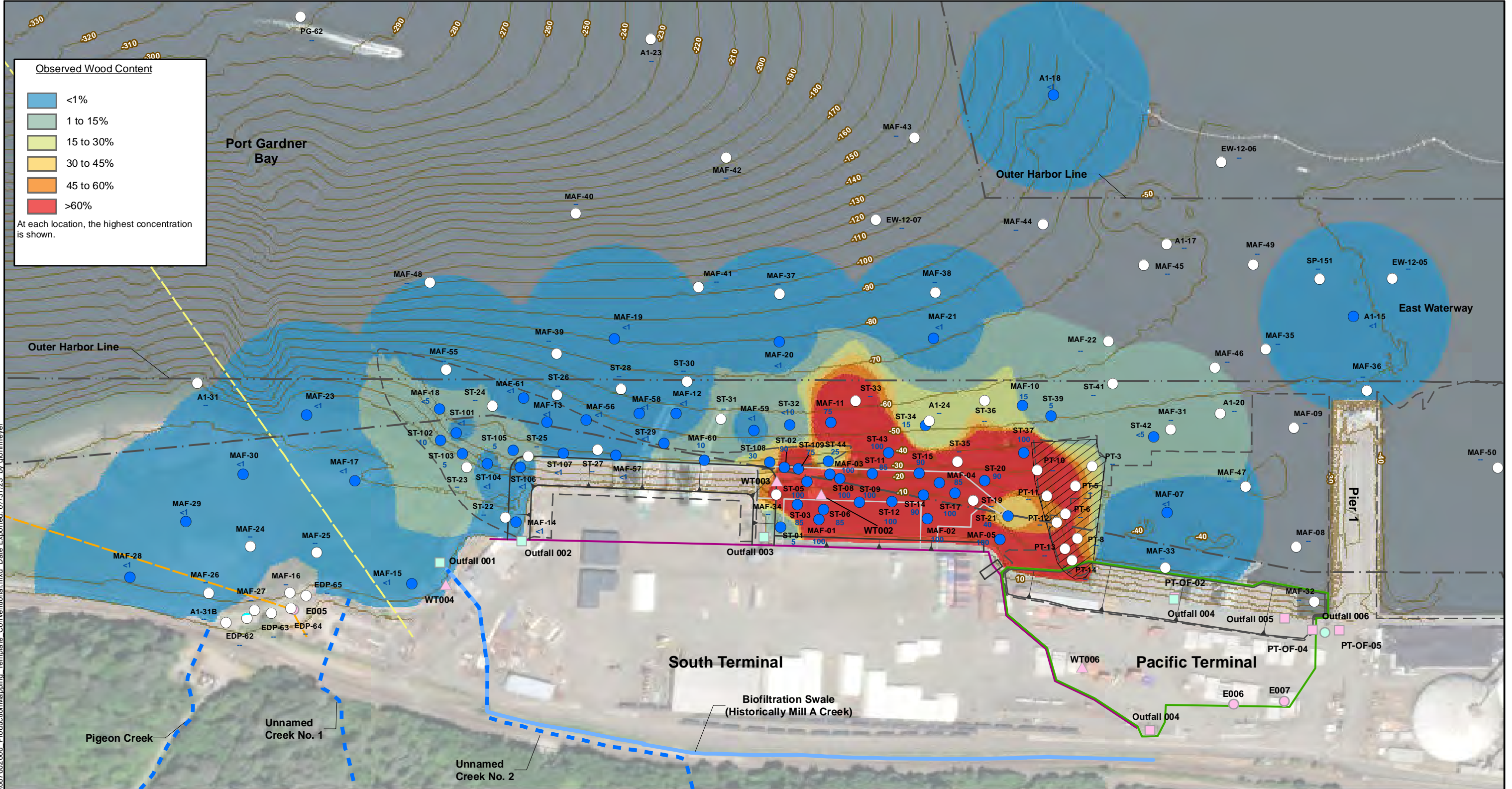
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-2

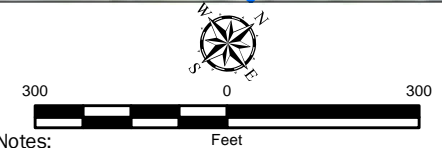


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

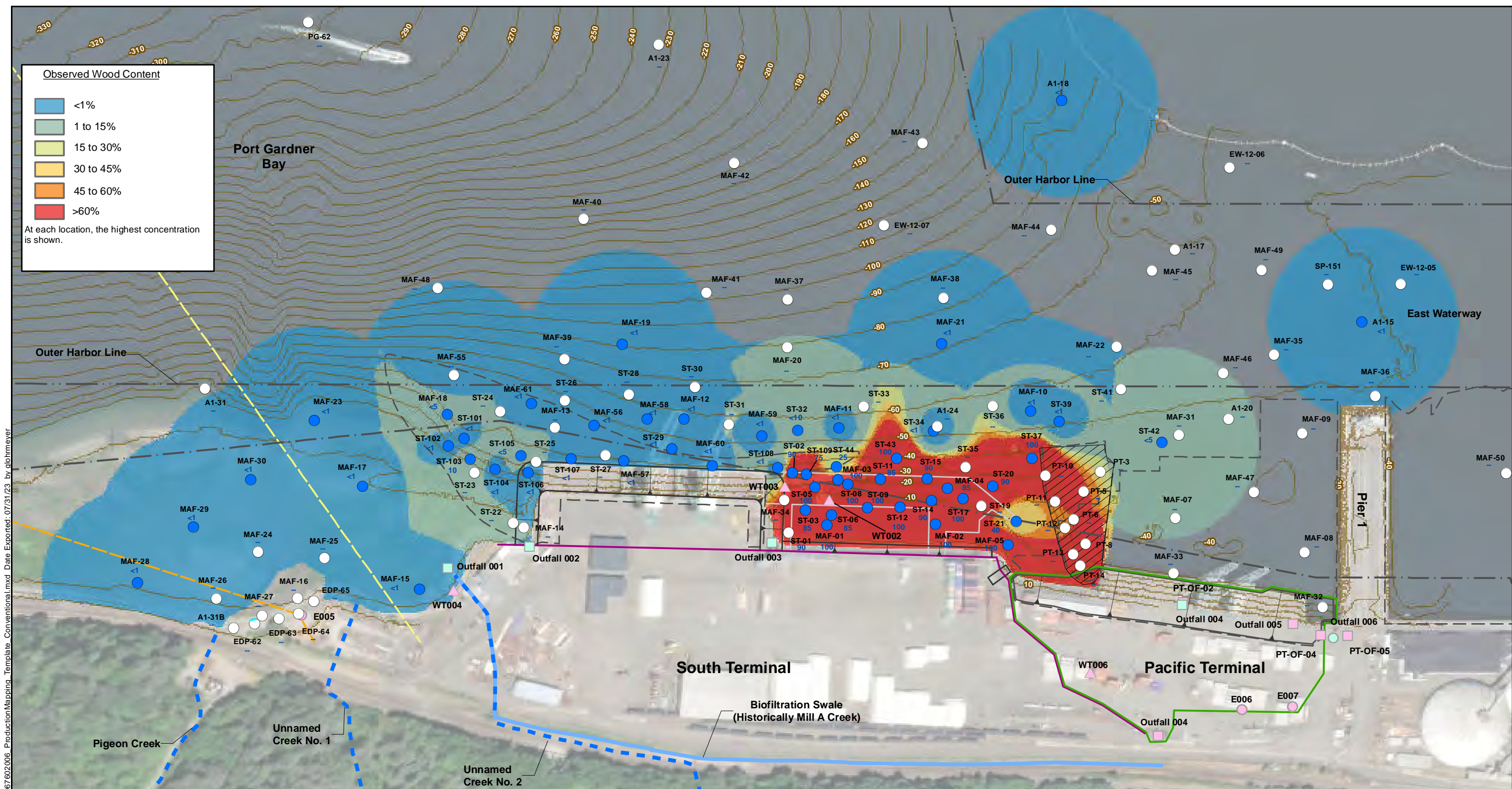
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-3

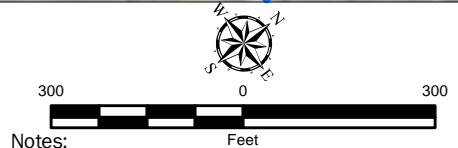


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

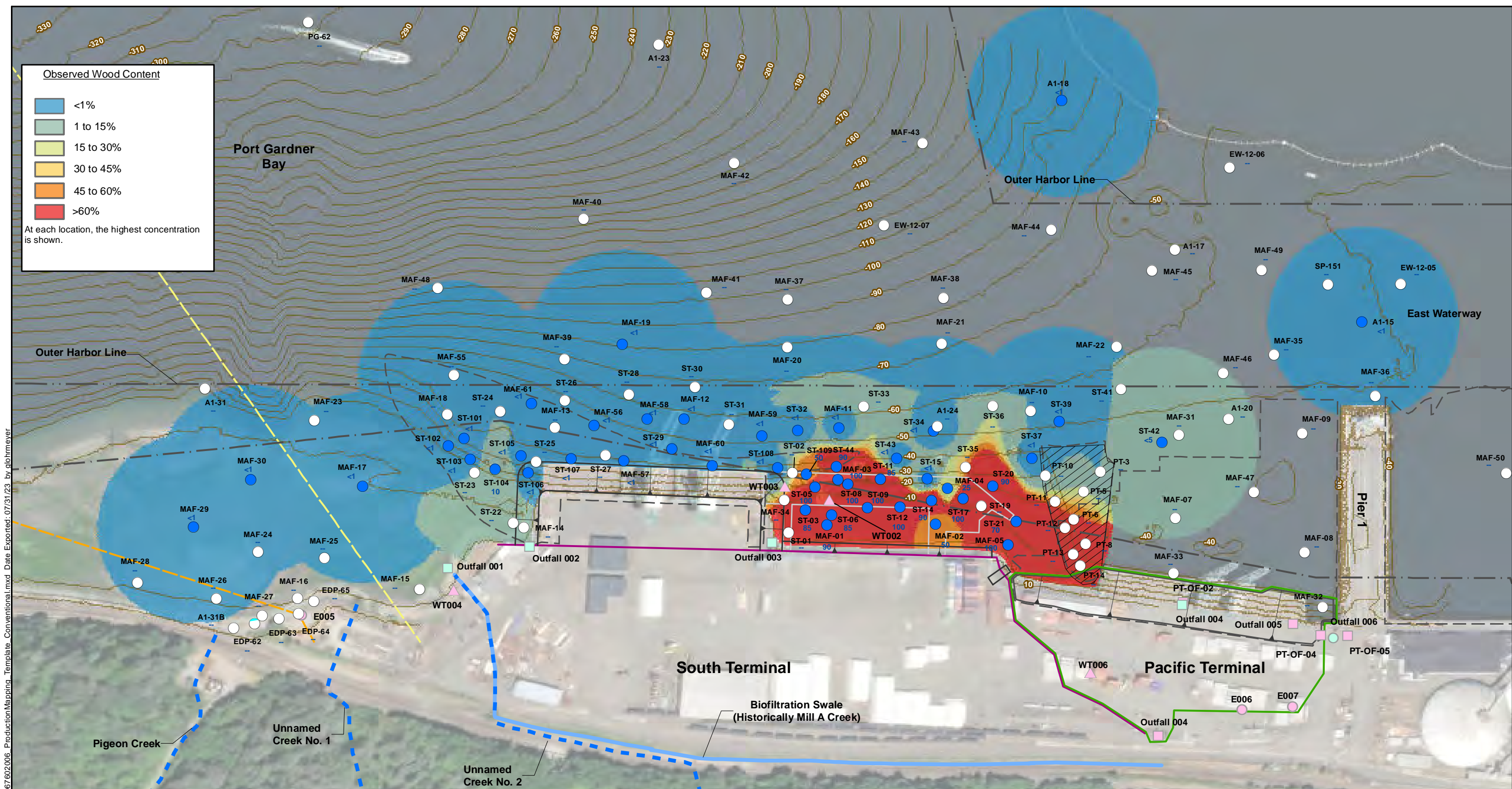
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-4



Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

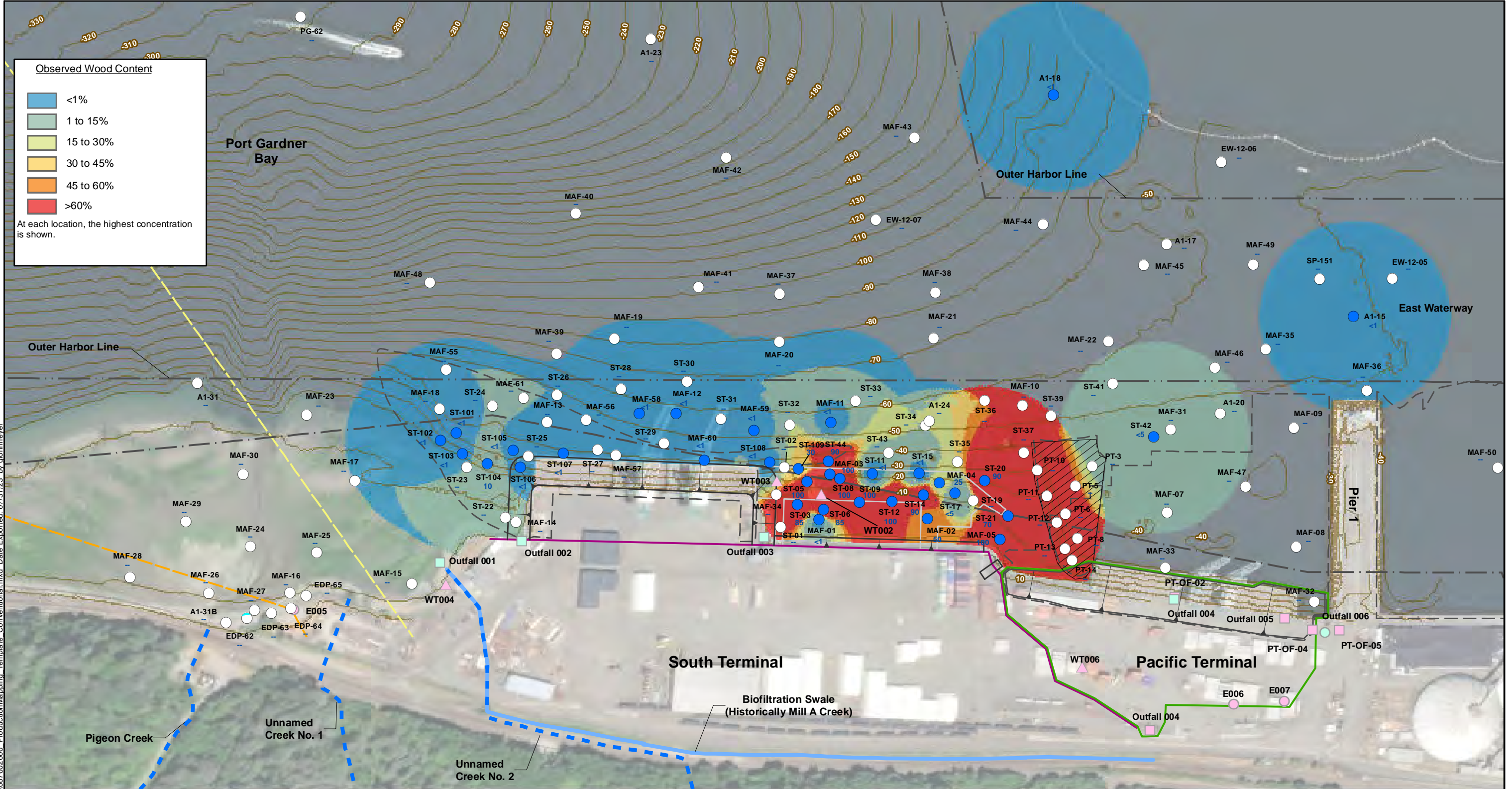
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-5

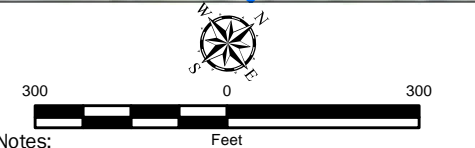


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

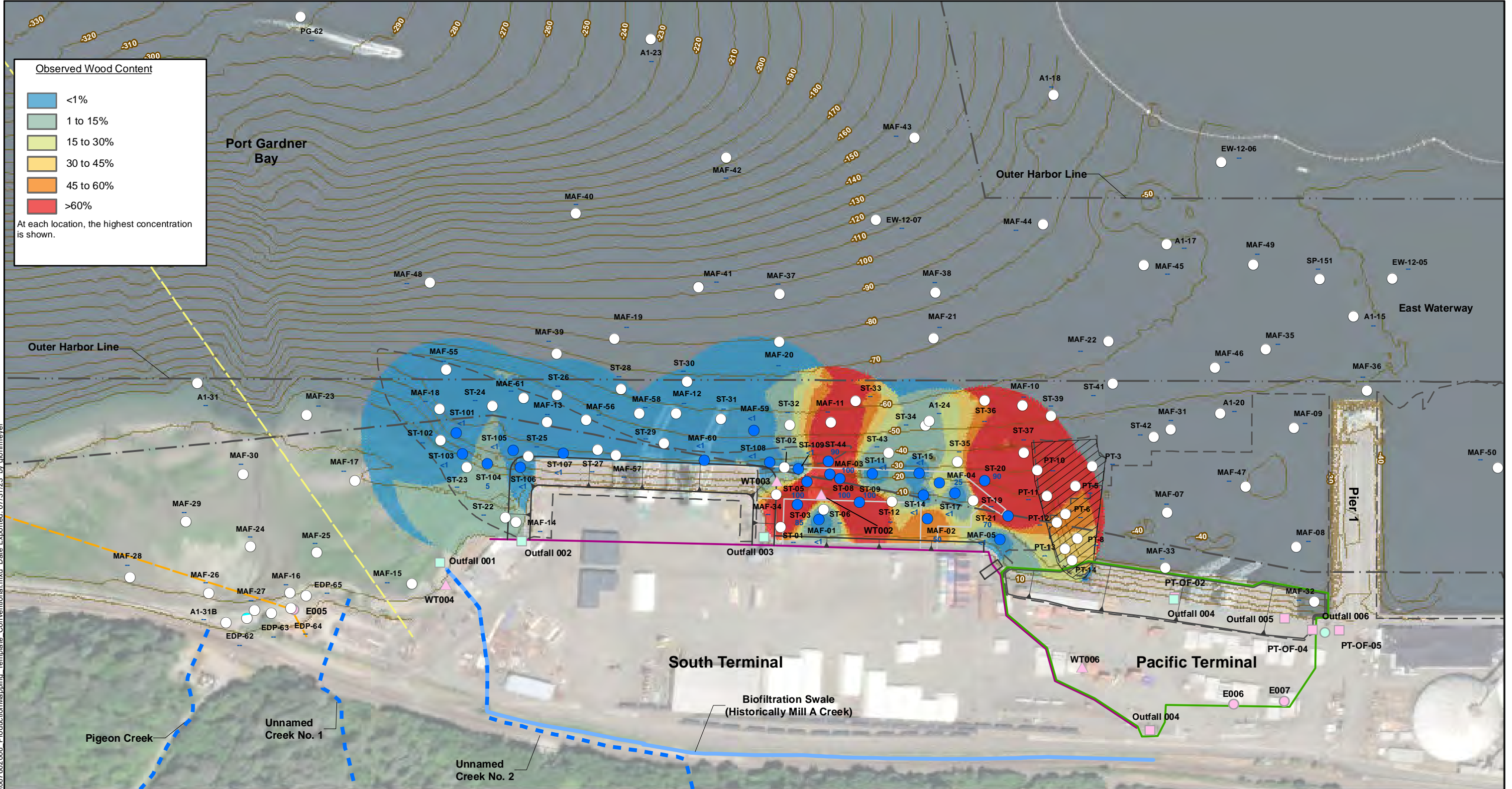
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

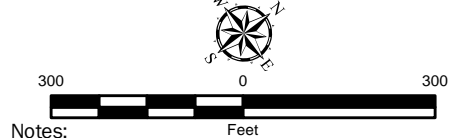
**Observed Wood Content
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-6



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 3. Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.
 Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location
 ● Discreet Sample Result
 ○ No Sample/Result
 ○ Non-Detect Result Exceeds PCUL
 ⊕ Composite Sample Result
 ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

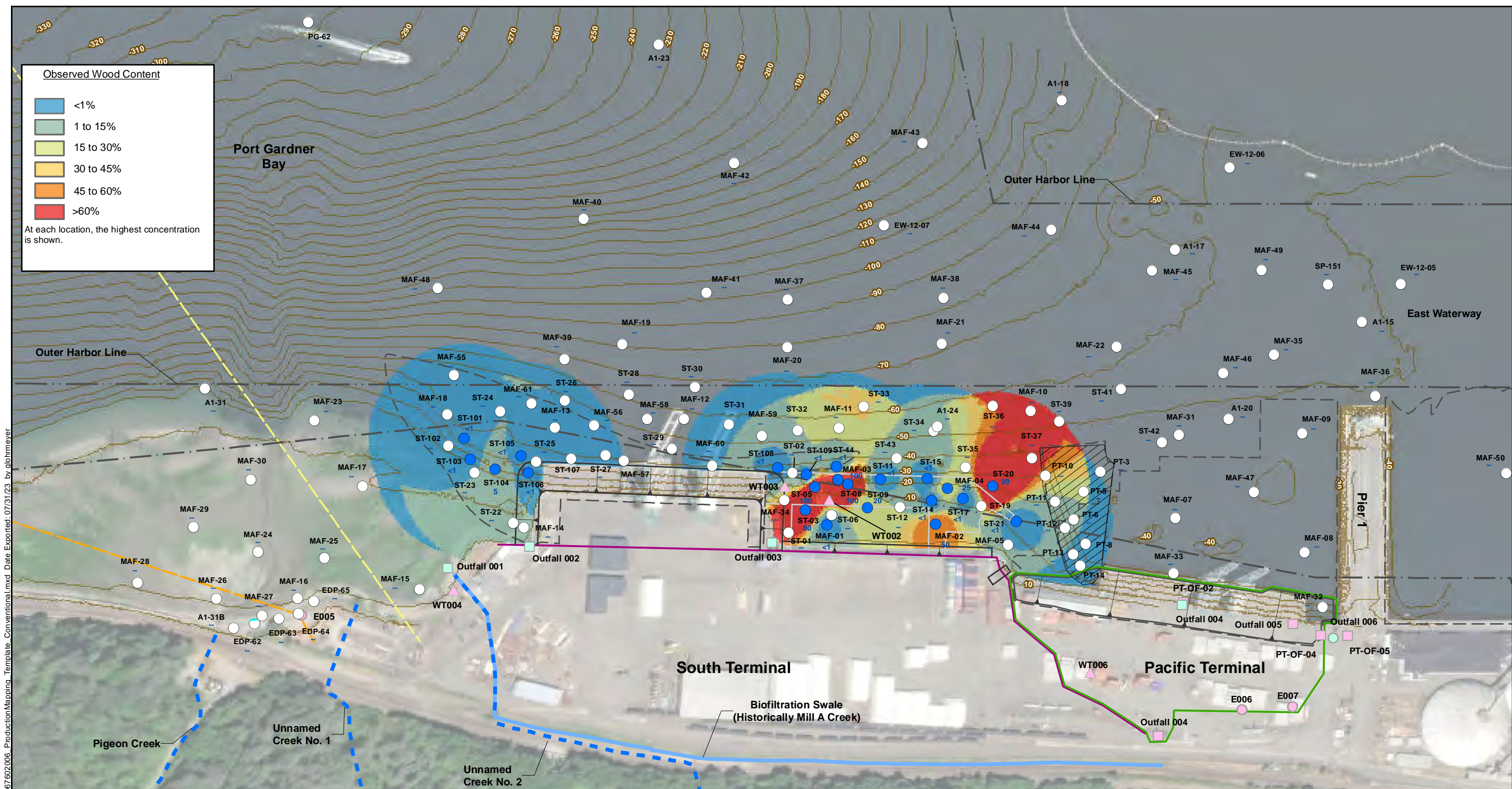
MAF-01 Sample Location Identification Result
 1.22
 Construction Berm
 Historical Piling Area
 Dredged Area
 Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
 Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
 Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

Bulkhead
 Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
 Historical Industrial Outfall (Abaandoned)
 Former Combined Sewer Outfall (CSO, Abandoned)
 Former Stormwater Outfall (Abandoned)
 Current CSO
 Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-7

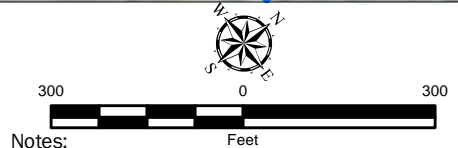


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

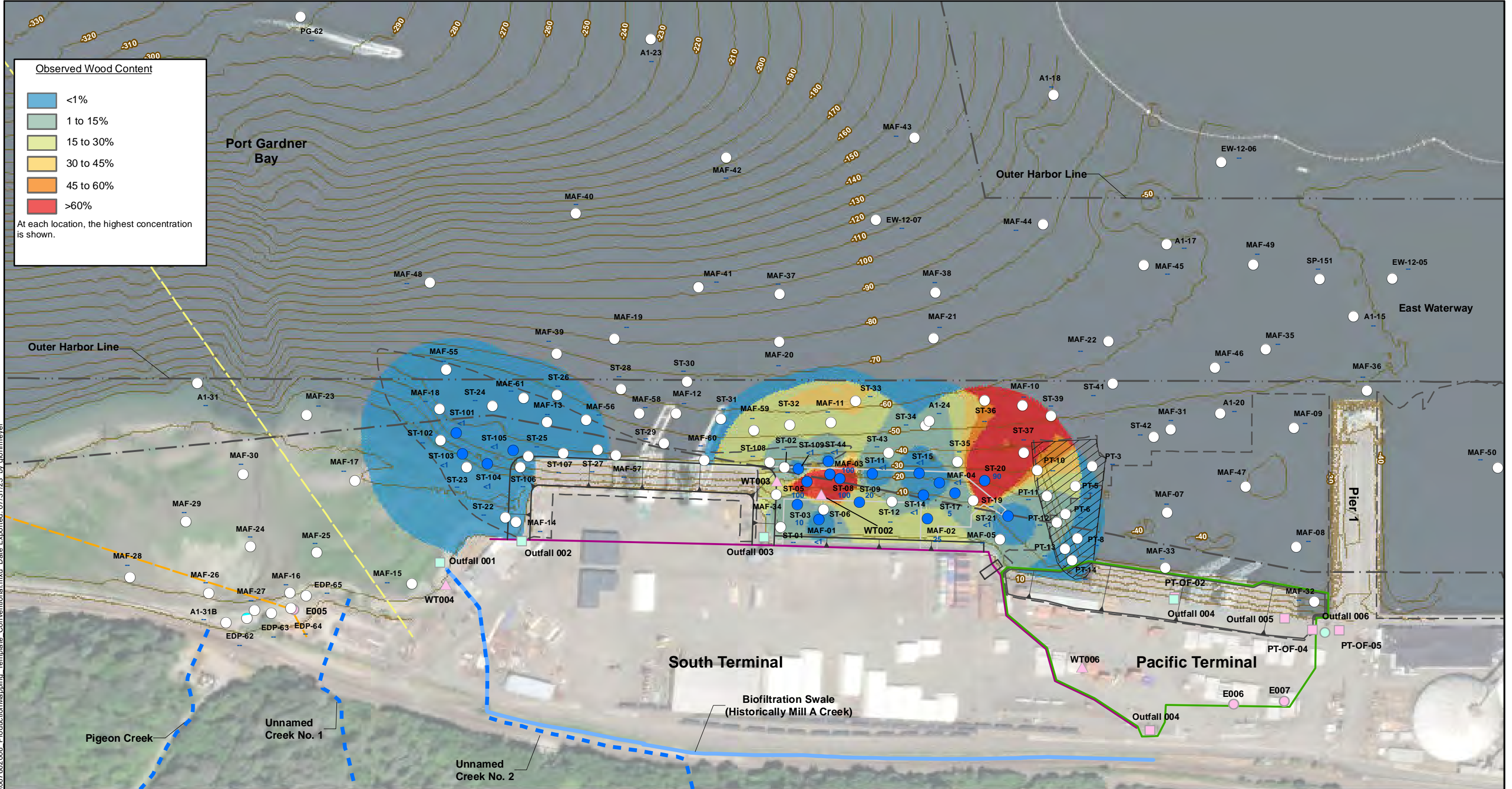
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-8

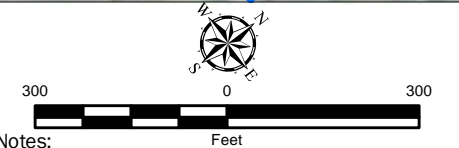


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

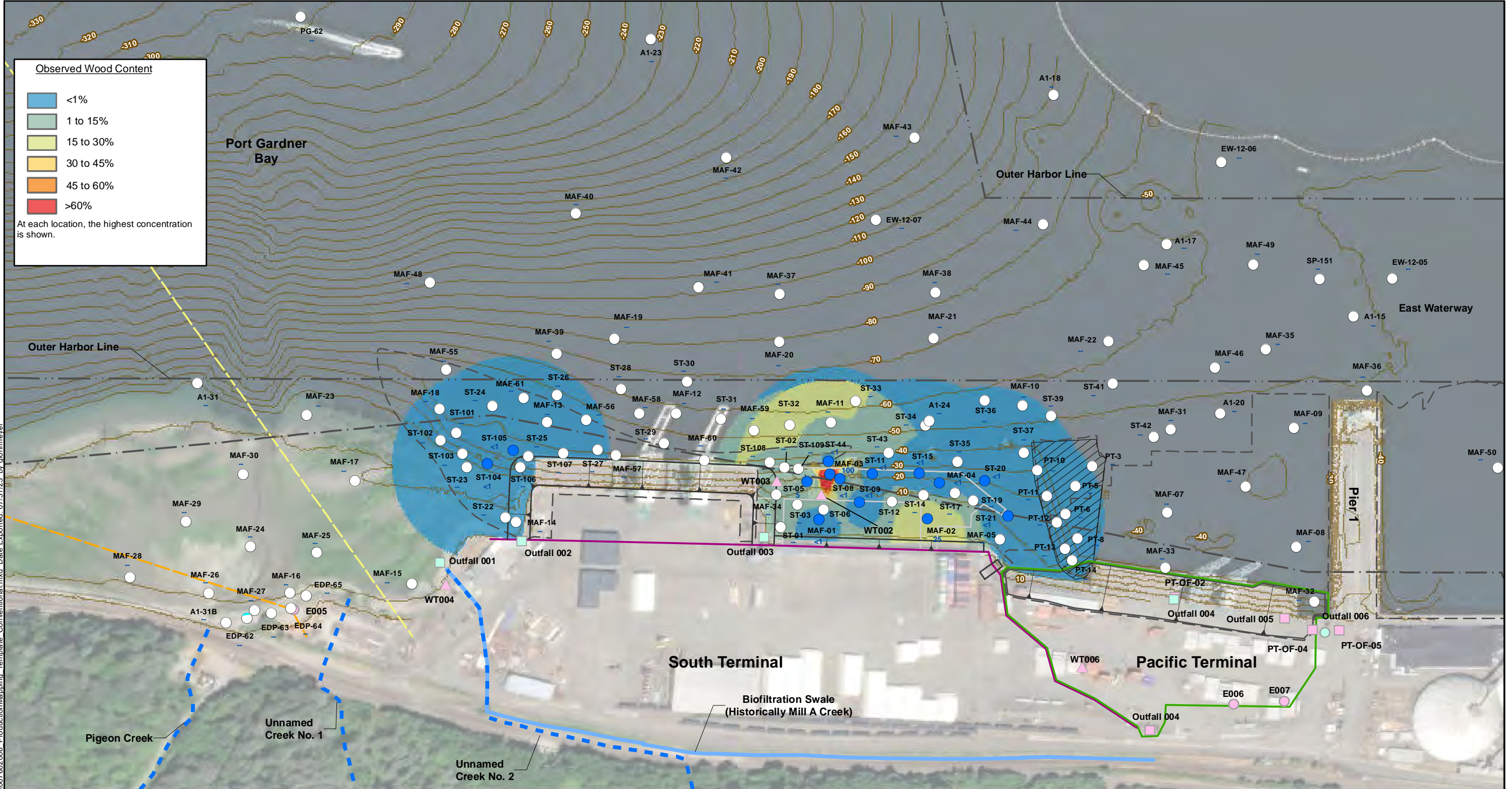
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-9

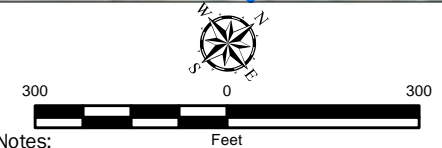


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

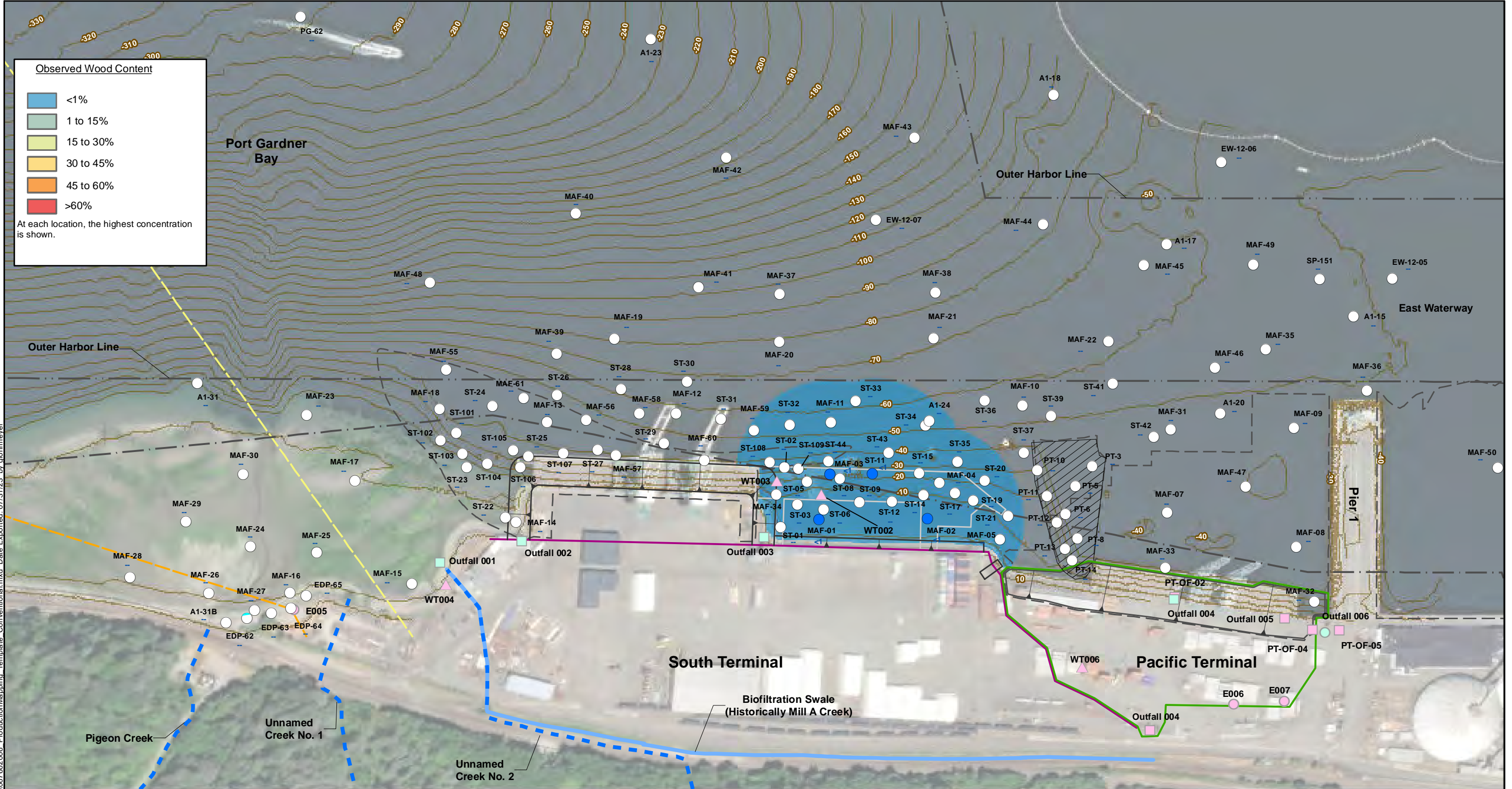
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-10

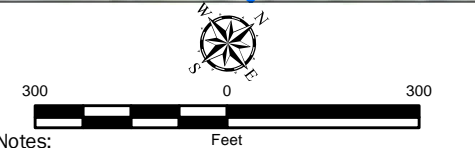


Observed Wood Content

- <1%
- 1 to 15%
- 15 to 30%
- 30 to 45%
- 45 to 60%
- >60%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

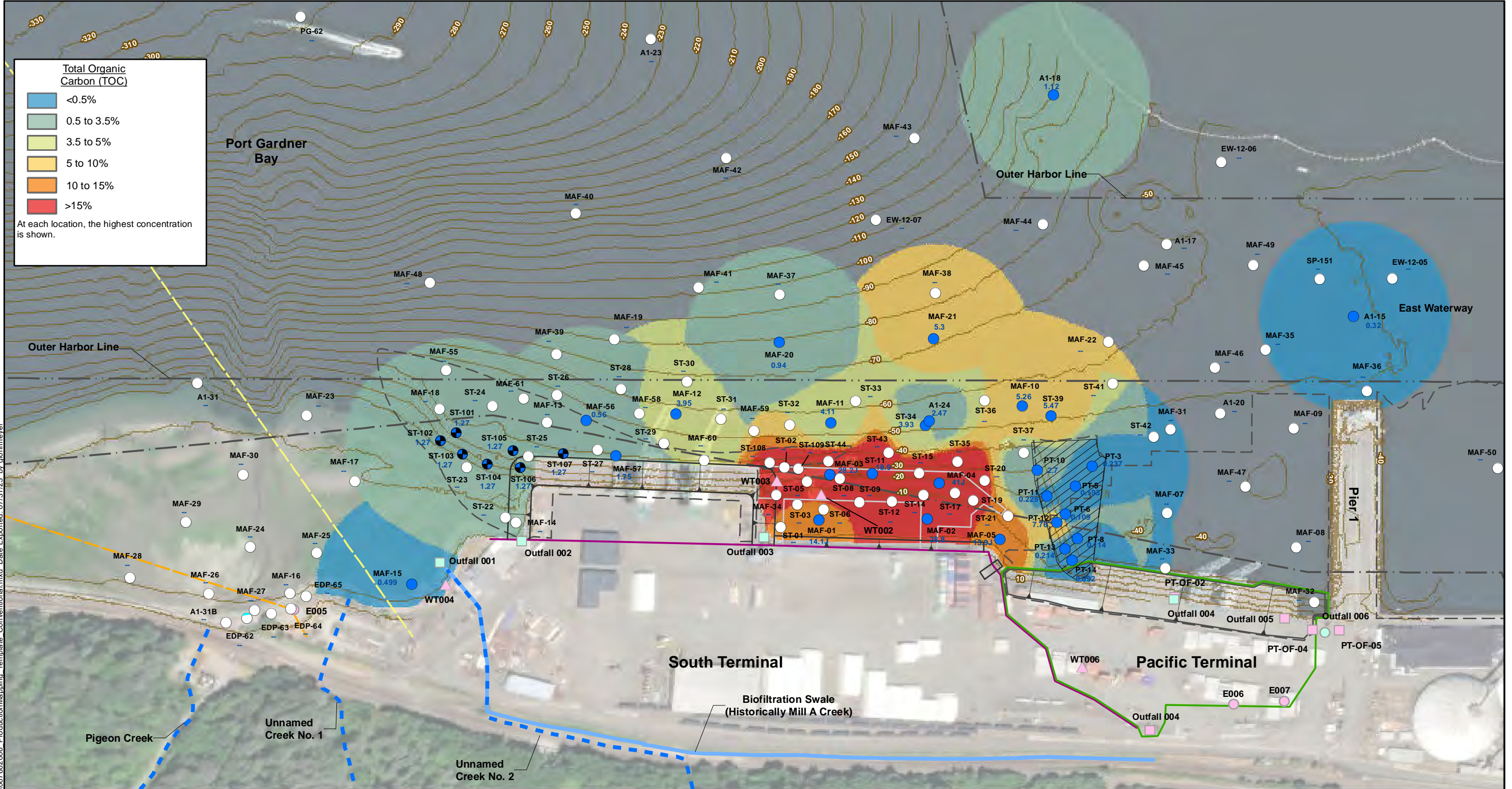
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Observed Wood Content
Subsurface Sediment (20-22 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-11

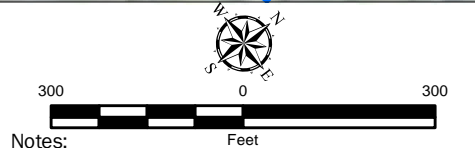


Total Organic Carbon (TOC)

- <0.5%
- 0.5 to 3.5%
- 3.5 to 5%
- 5 to 10%
- 10 to 15%
- >15%

At each location, the highest concentration is shown.

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

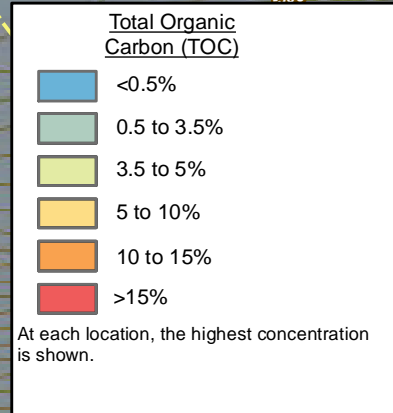
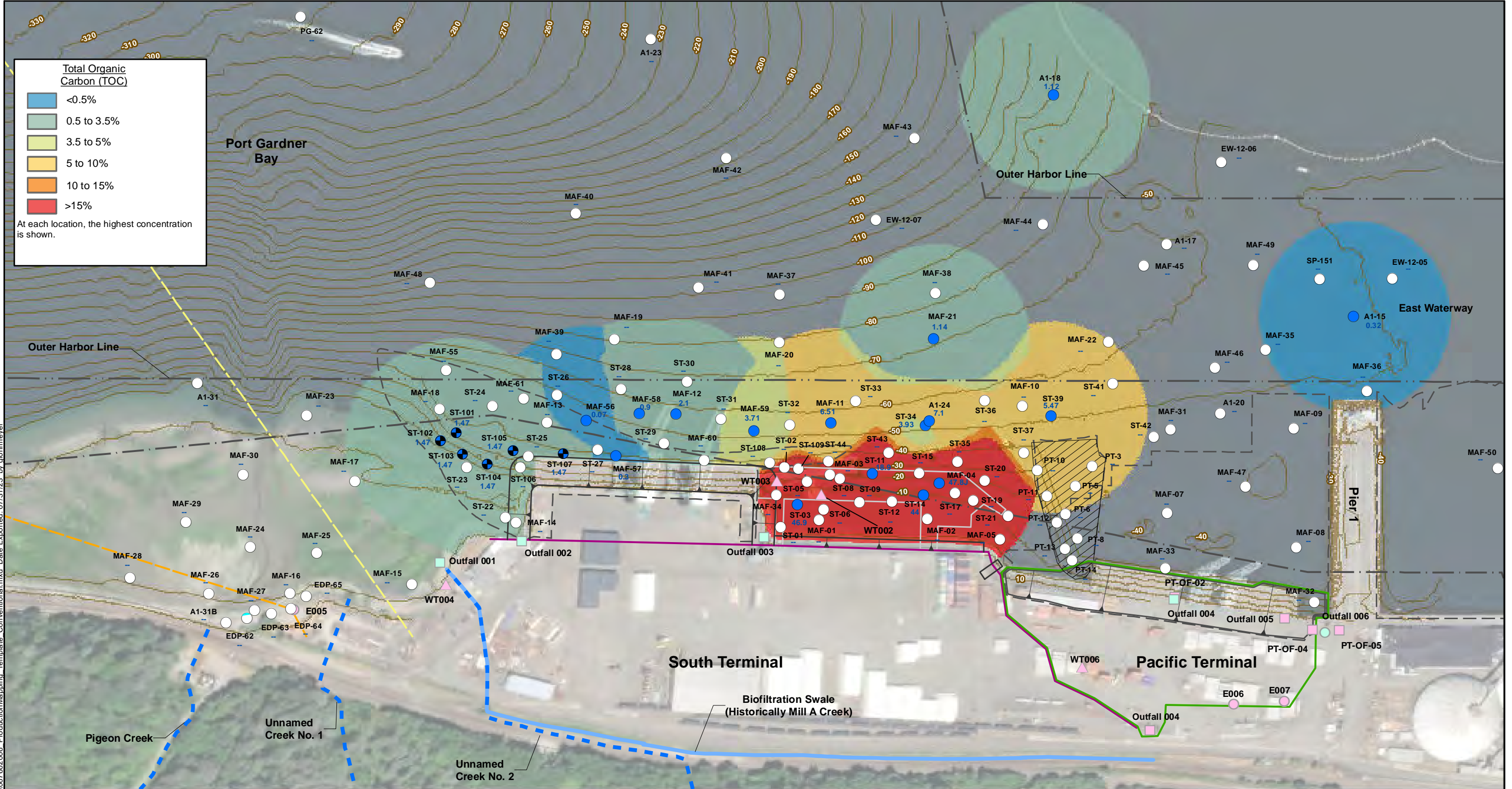
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Organic Carbon (TOC)
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-12



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

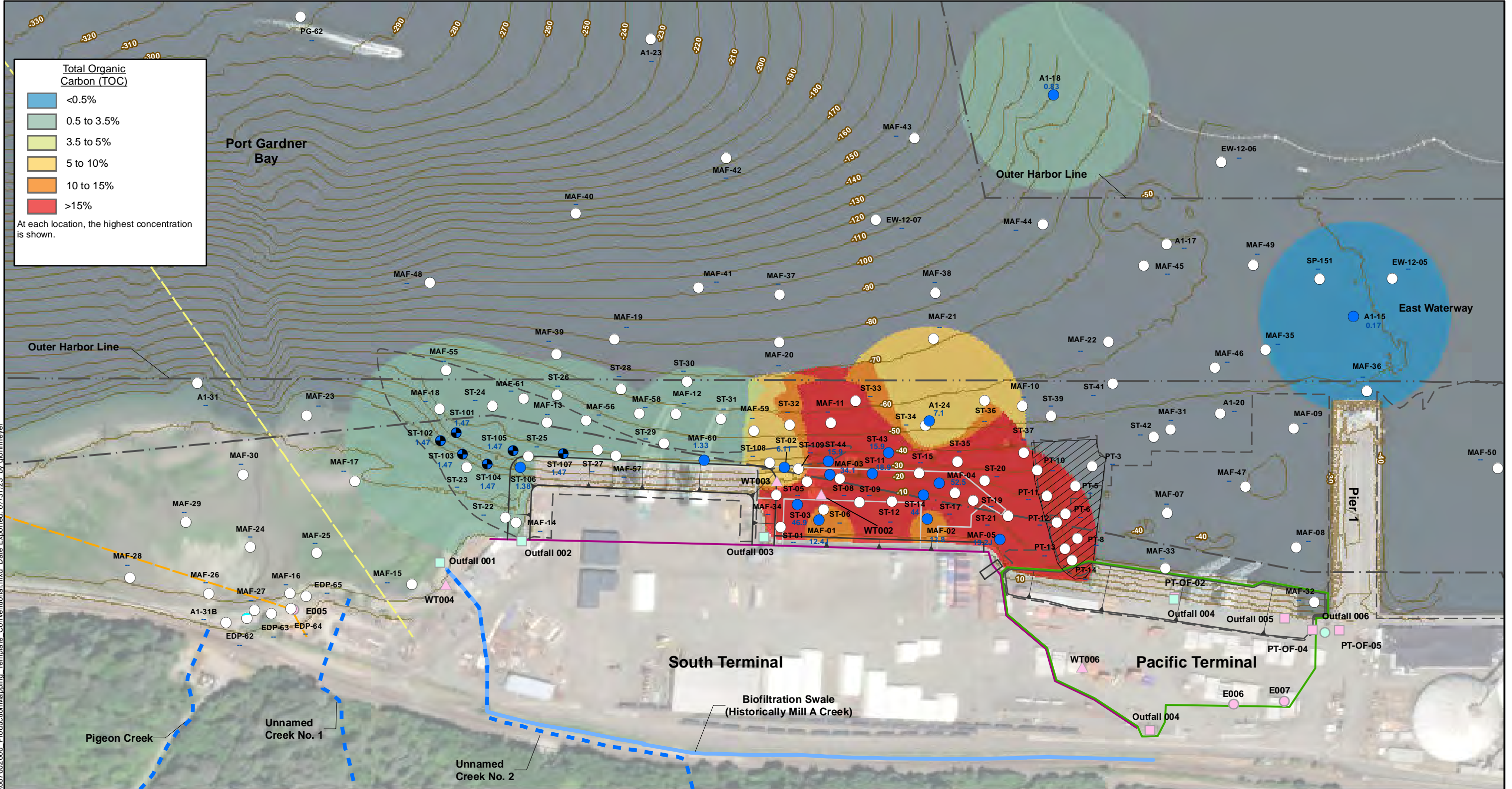
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Organic Carbon (TOC)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-13



Total Organic Carbon (TOC)

- <0.5%
- 0.5 to 3.5%
- 3.5 to 5%
- 5 to 10%
- 10 to 15%
- >15%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

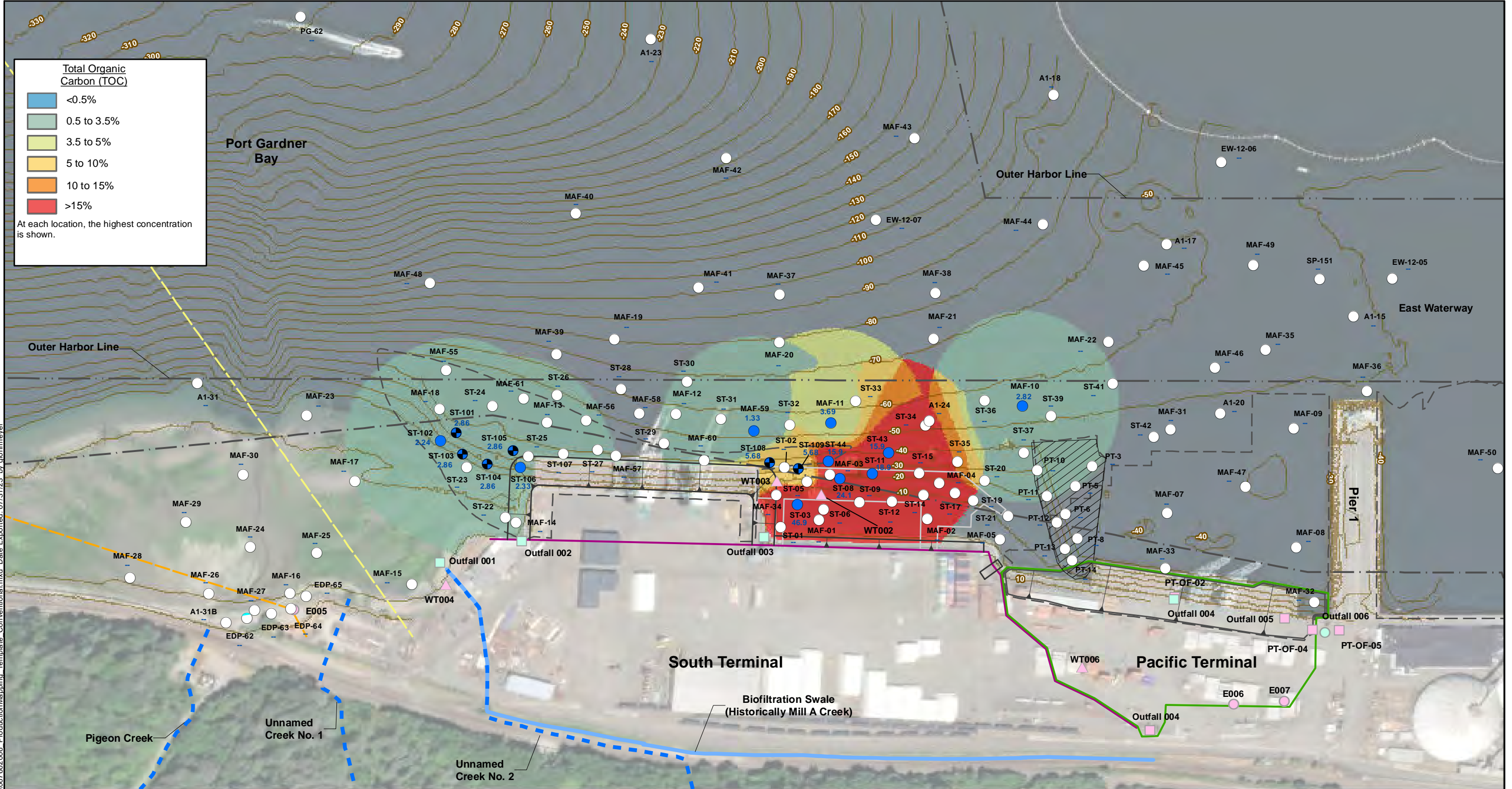
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Organic Carbon (TOC)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-14



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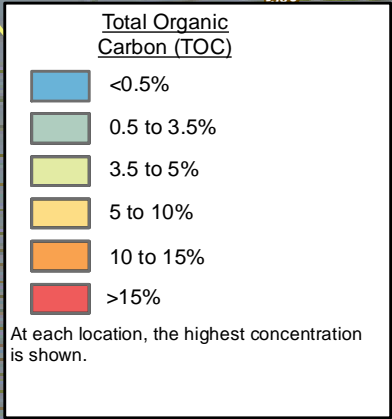
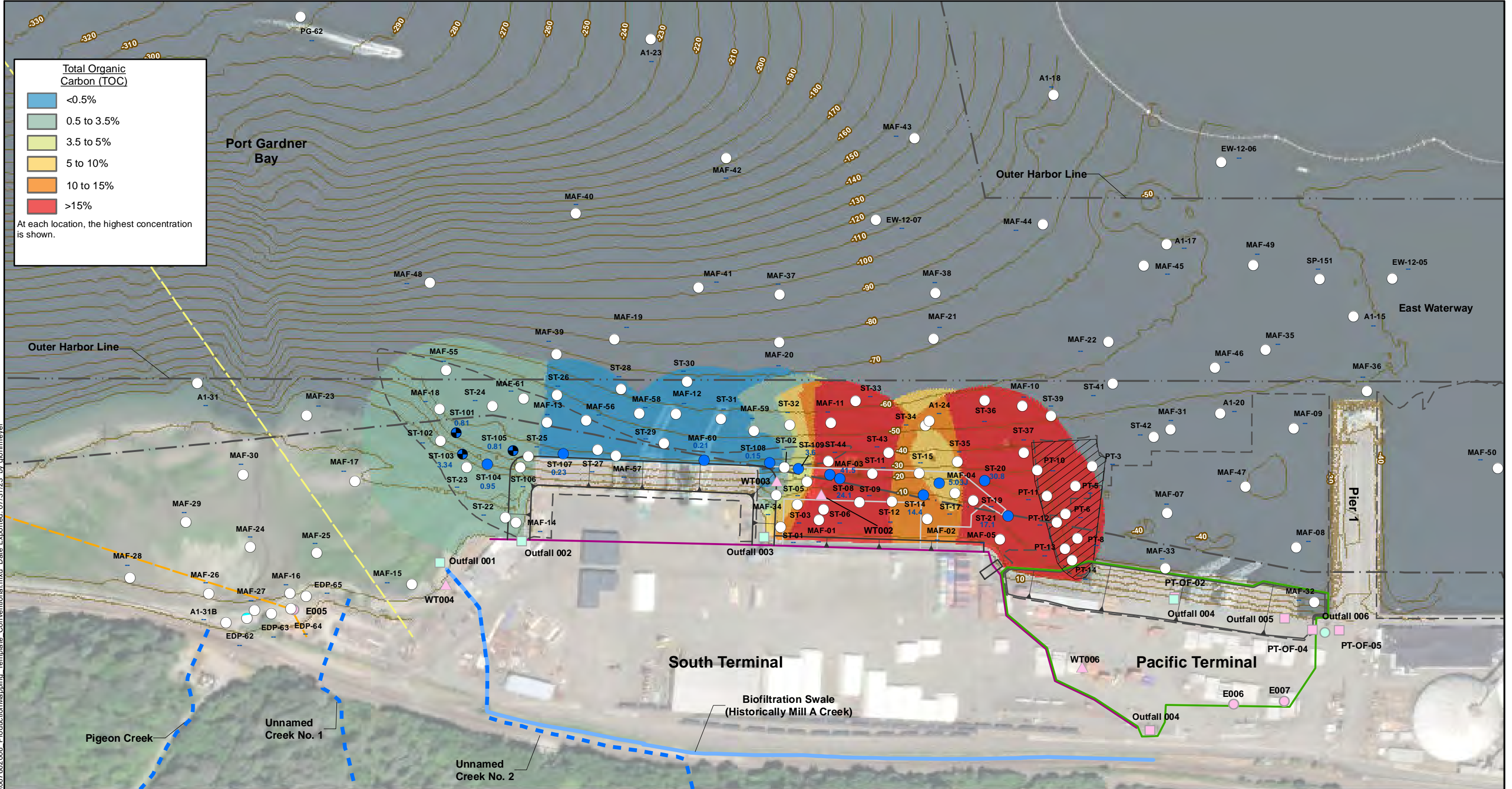
Notes:
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 3. Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12, Radius = 300 feet.
 Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location
 ● Discreet Sample Result
 ○ No Sample/Result
 ○ Non-Detect Result Exceeds PCUL
 ● Composite Sample Result
 ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result
 ▭ Construction Berm
 ▭ Historical Piling Area
 ▭ Dredged Area
 ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
 --- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
 --- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

--- Bulkhead
 --- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
 ▲ Historical Industrial Outfall (Abaandoned)
 ○ Former Combined Sewer Outfall (CSO, Abandoned)
 ○ Former Stormwater Outfall (Abandoned)
 ○ Current CSO
 ○ Current Stormwater Outfall

| | |
|--|--------------------|
| Total Organic Carbon (TOC) Subsurface Sediment (6-8 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-15 |



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

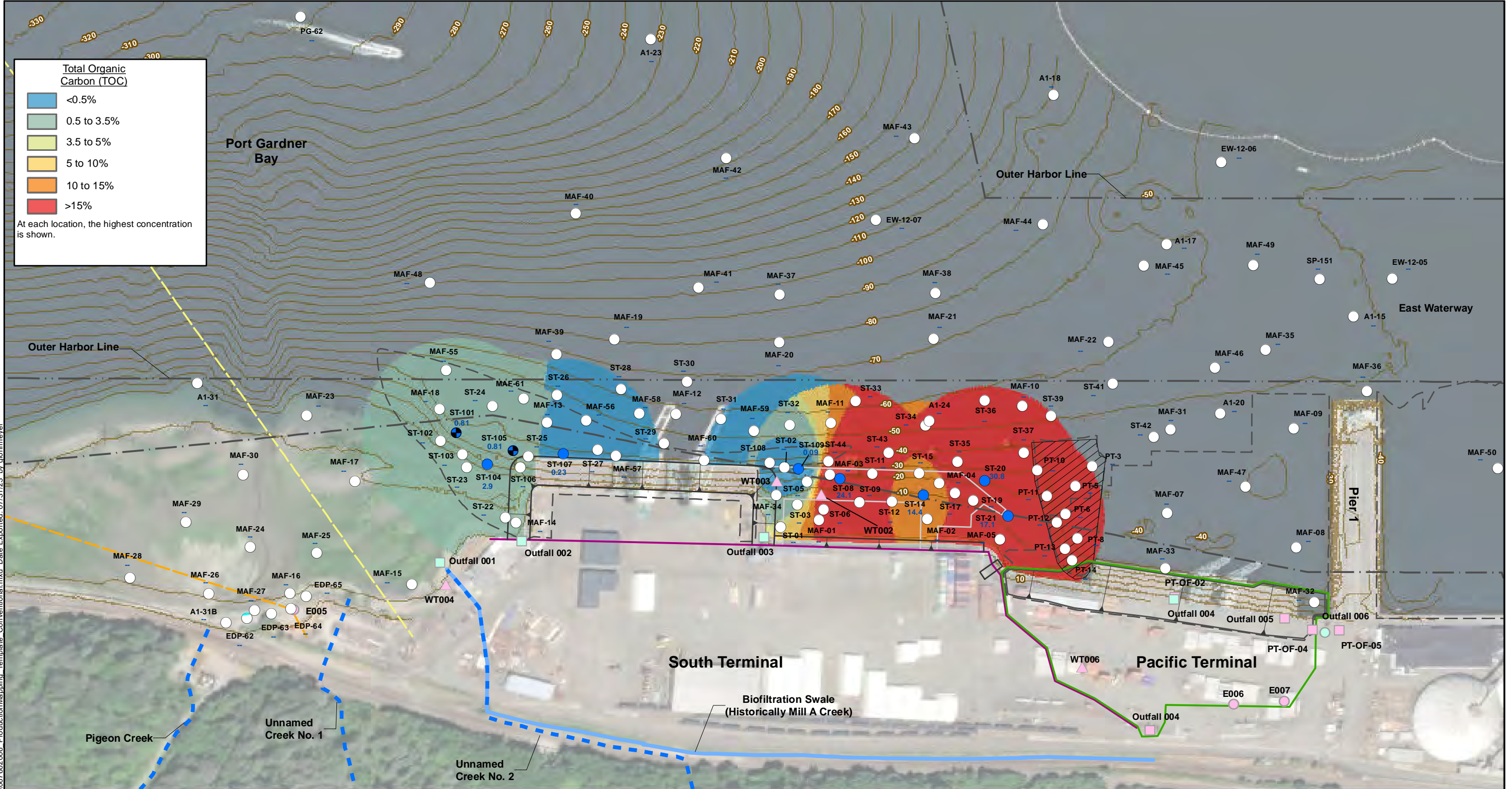
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Organic Carbon (TOC)
Subsurface Sediment (8-10 ft)**

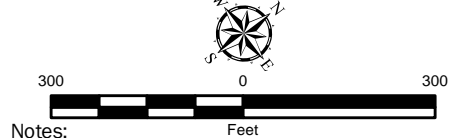
Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-16



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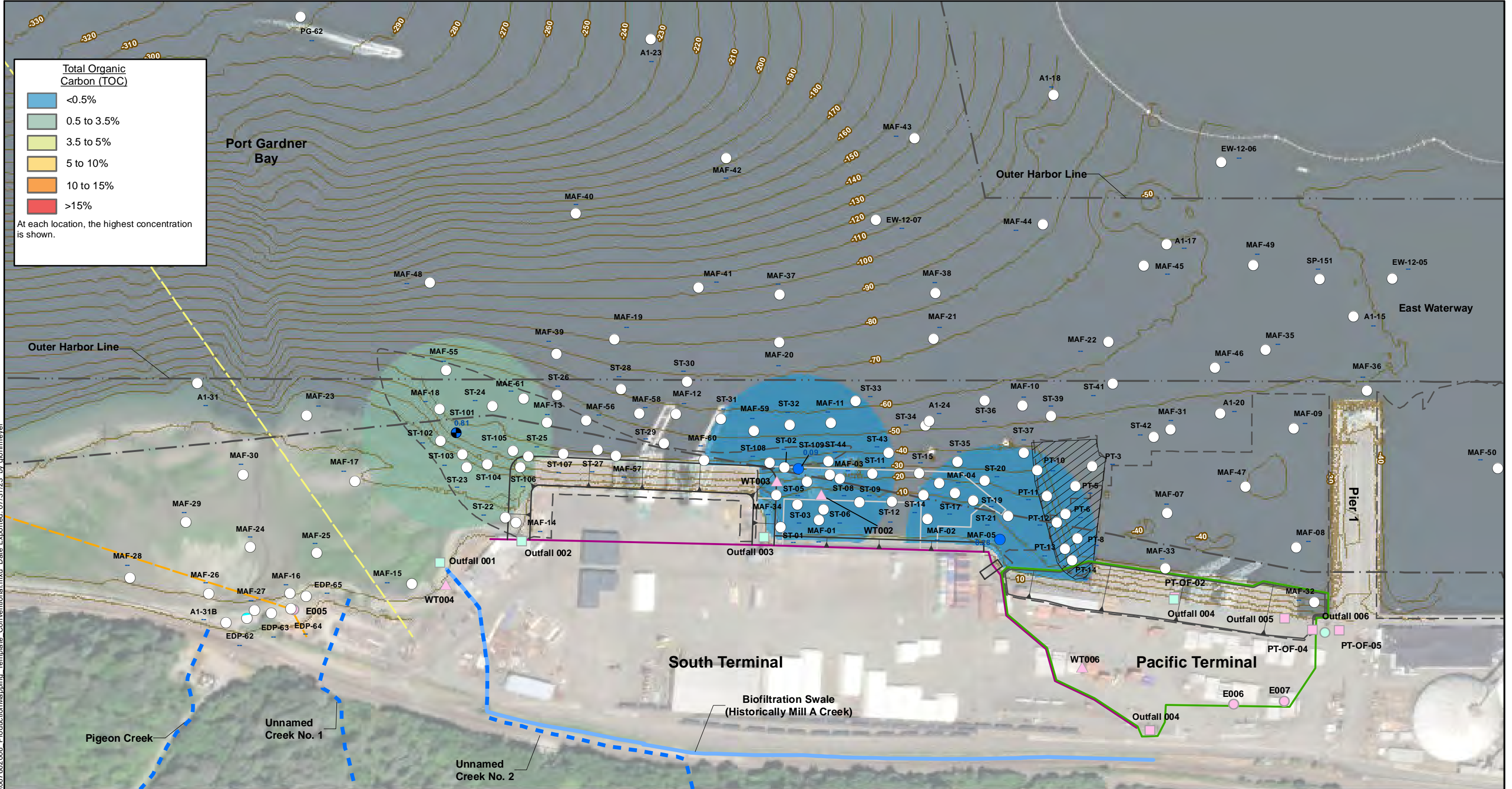
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 3. Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.
 Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location
 ● Discreet Sample Result
 ○ No Sample/Result
 ○ Non-Detect Result Exceeds PCUL
 ⊕ Composite Sample Result
 ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result
 [Symbol] Construction Berm
 [Symbol] Historical Piling Area
 [Symbol] Dredged Area
 [Symbol] Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
 [Symbol] Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
 [Symbol] Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

[Symbol] Bulkhead
 [Symbol] Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
 [Symbol] Historical Industrial Outfall (Abandoned)
 [Symbol] Former Combined Sewer Outfall (CSO, Abandoned)
 [Symbol] Former Stormwater Outfall (Abandoned)
 [Symbol] Current CSO
 [Symbol] Current Stormwater Outfall

| | |
|--|--------------------|
| Total Organic Carbon (TOC) Subsurface Sediment (10-12 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-17 |



Total Organic Carbon (TOC)

- <0.5%
- 0.5 to 3.5%
- 3.5 to 5%
- 5 to 10%
- 10 to 15%
- >15%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

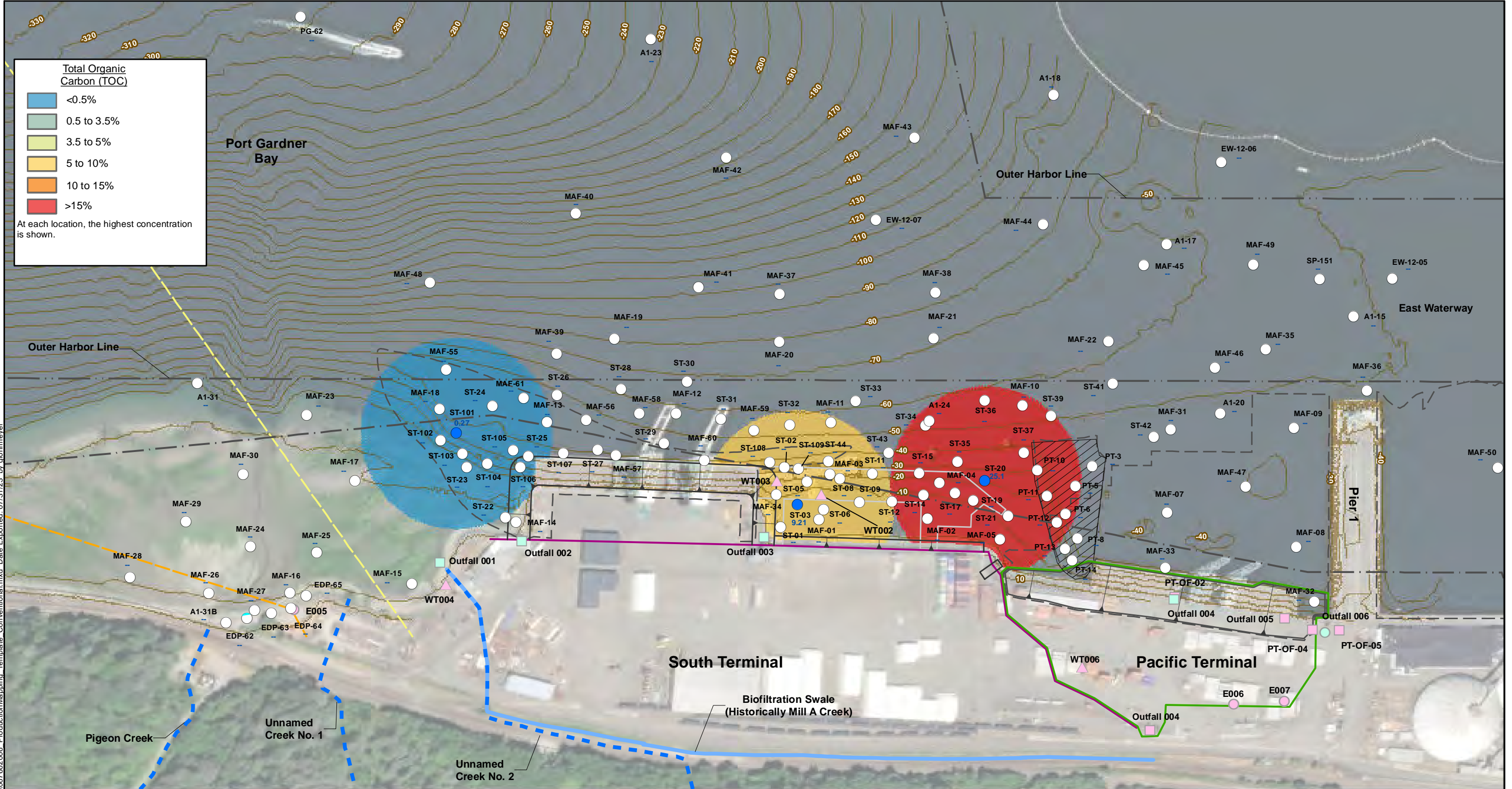
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Organic Carbon (TOC)
Subsurface Sediment (12-14 ft)**

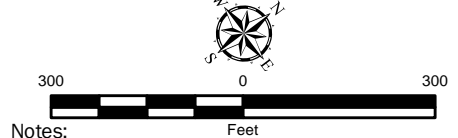
Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-18



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 Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

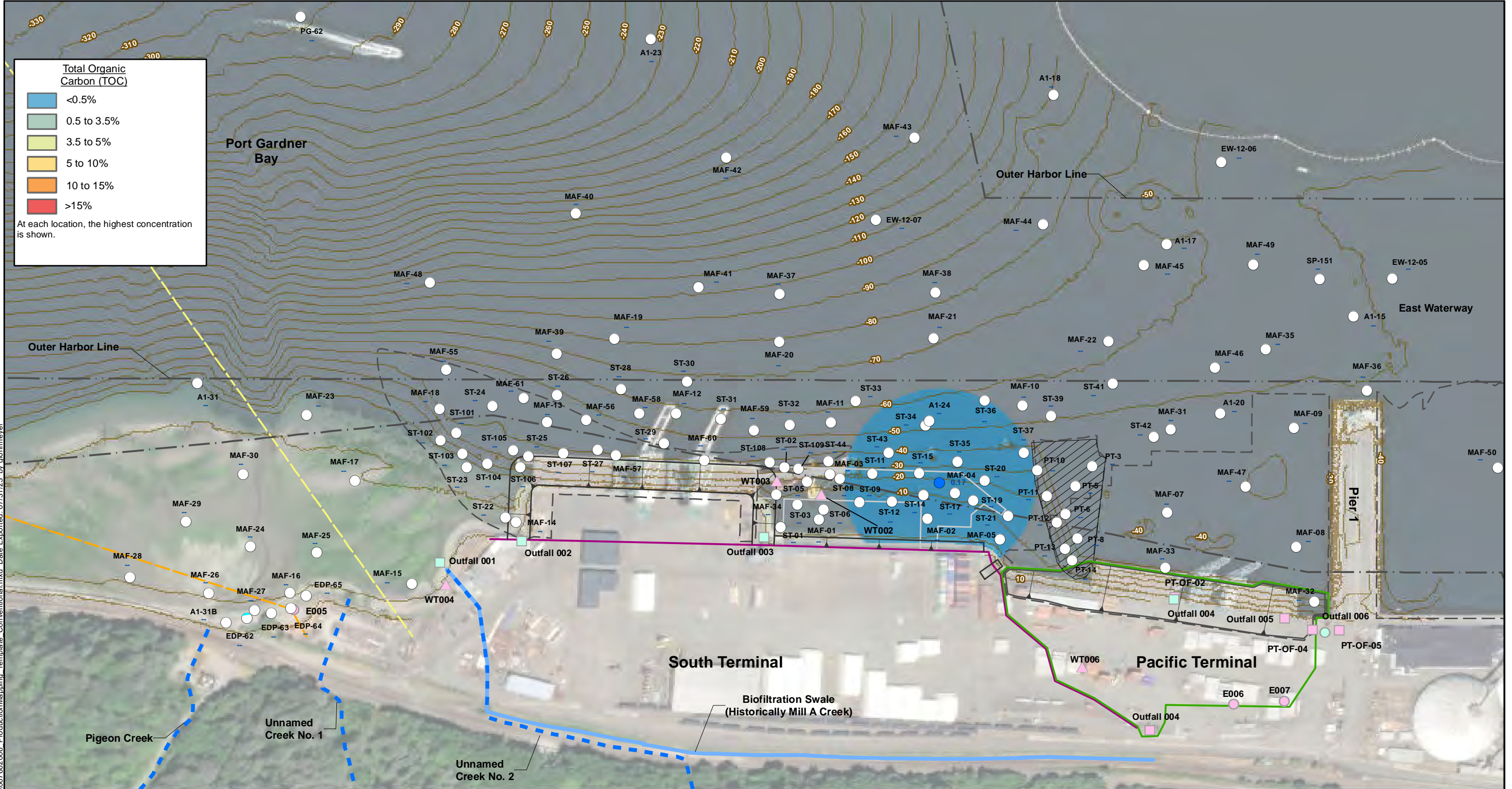
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result

 Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|--|--------------------|
| Total Organic Carbon (TOC) Subsurface Sediment (14-16 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-19 |



Total Organic Carbon (TOC)

- <math><0.5\%</math>
- 0.5 to 3.5%
- 3.5 to 5%
- 5 to 10%
- 10 to 15%
- >15%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

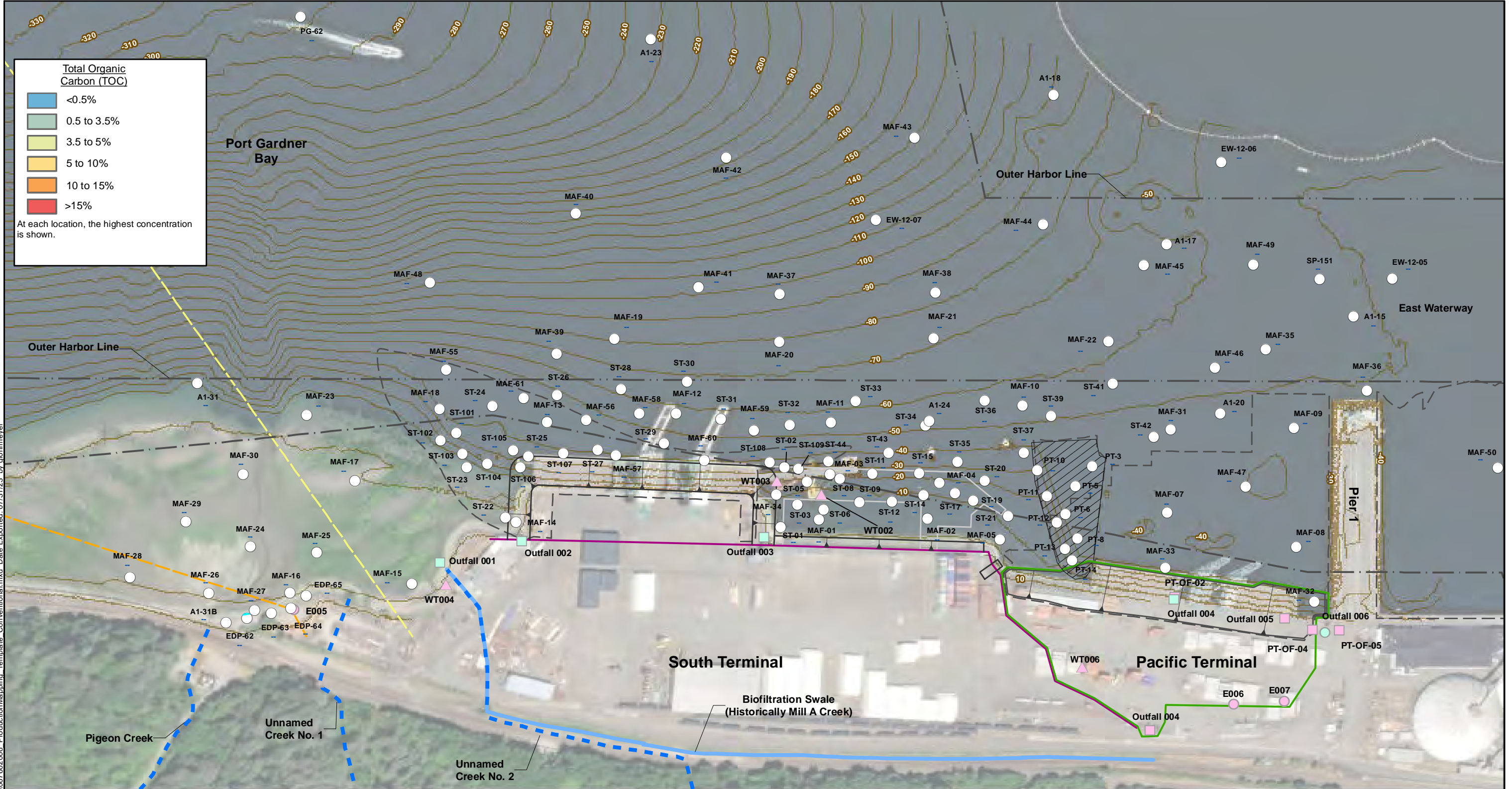
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Organic Carbon (TOC)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-20

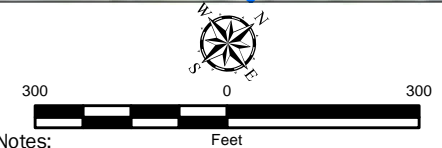


Total Organic Carbon (TOC)

- <0.5%
- 0.5 to 3.5%
- 3.5 to 5%
- 5 to 10%
- 10 to 15%
- >15%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

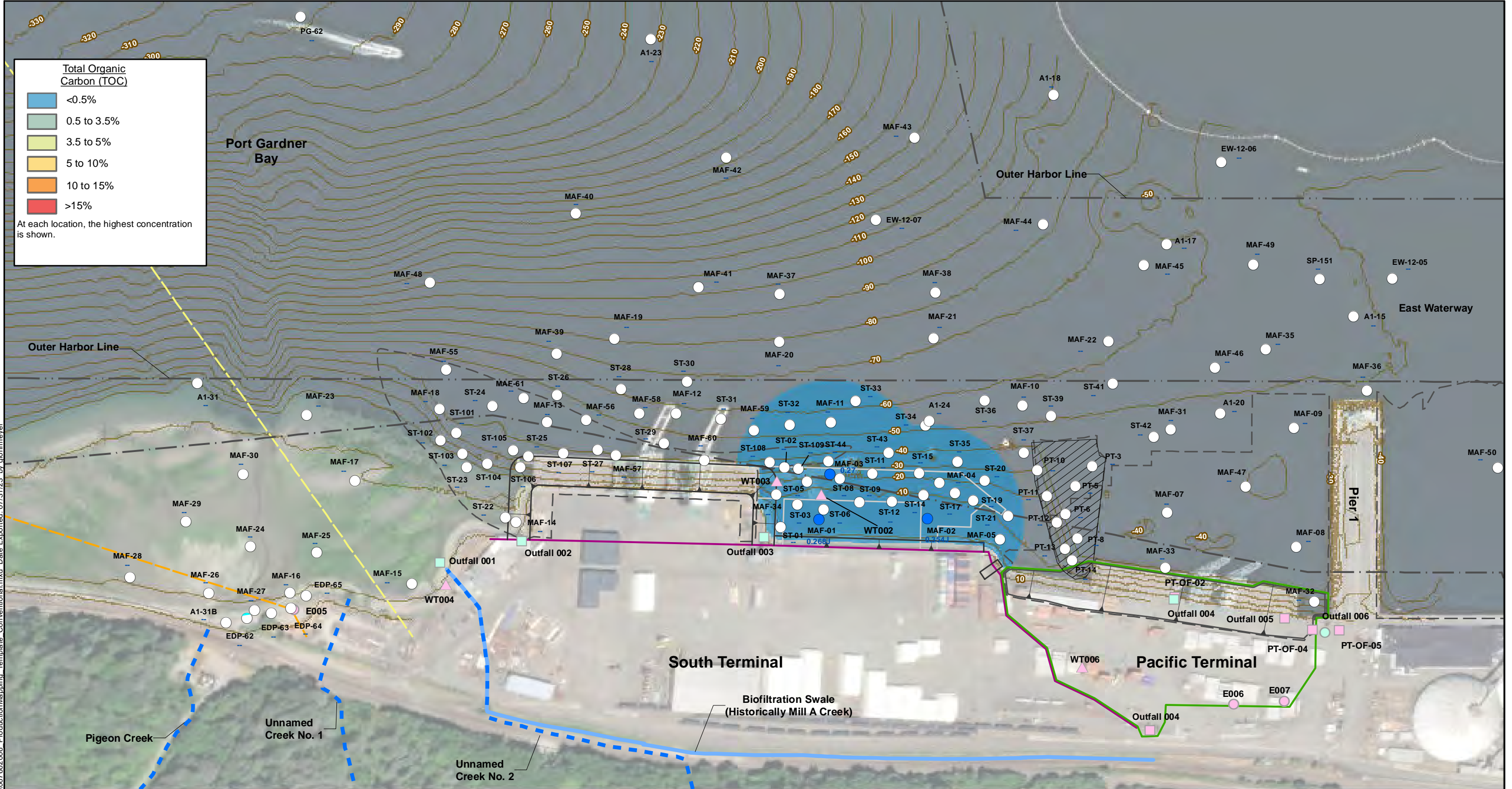
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Organic Carbon (TOC)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-21

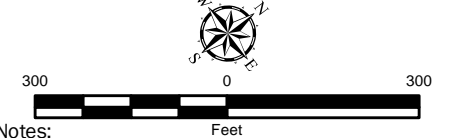


Total Organic Carbon (TOC)

- <0.5%
- 0.5 to 3.5%
- 3.5 to 5%
- 5 to 10%
- 10 to 15%
- >15%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

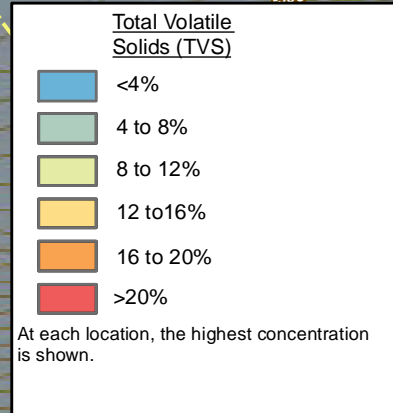
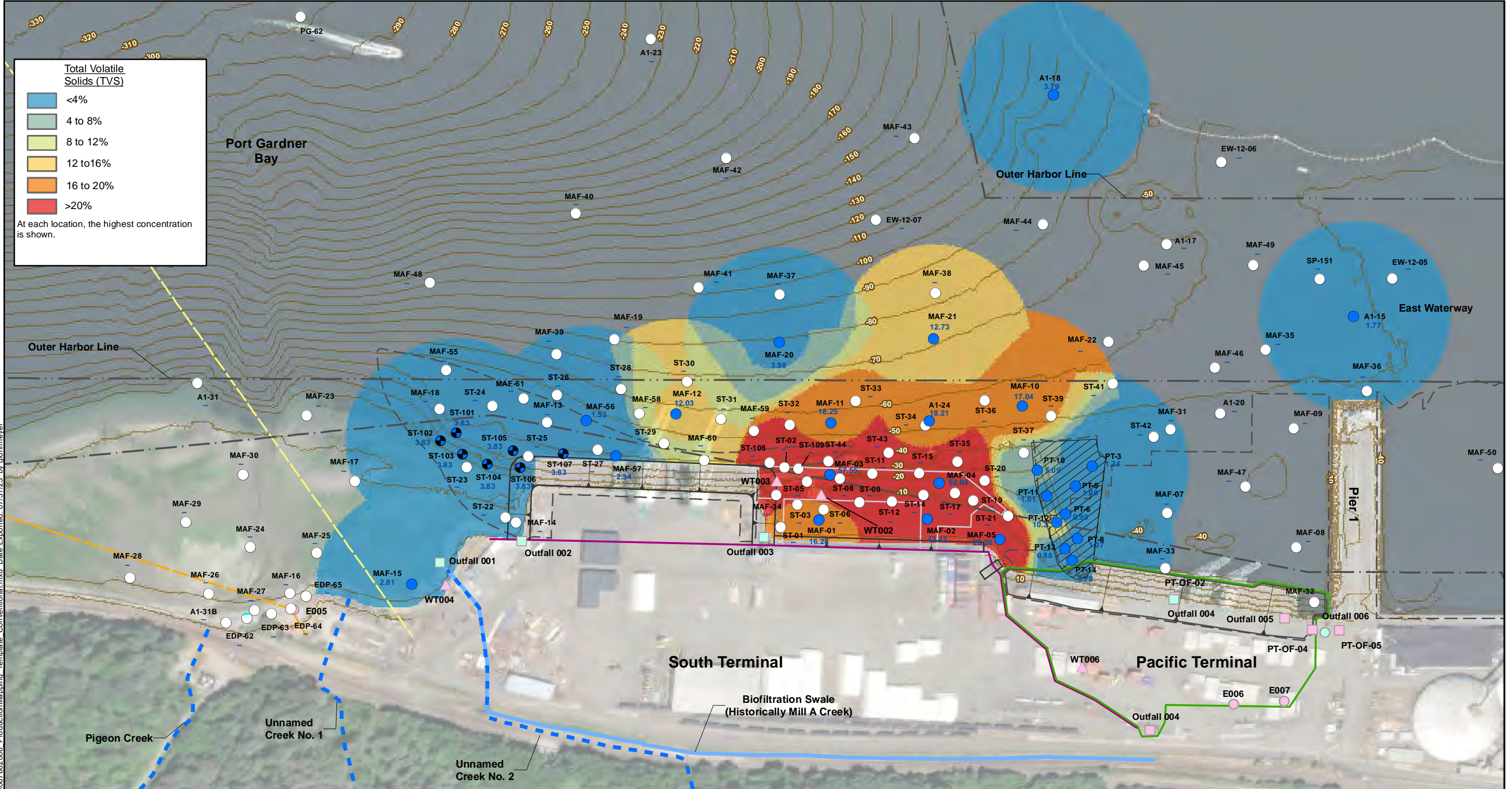
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Organic Carbon (TOC)
Subsurface Sediment (20-22 ft)**

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Everett, Washington

Figure Q-22



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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

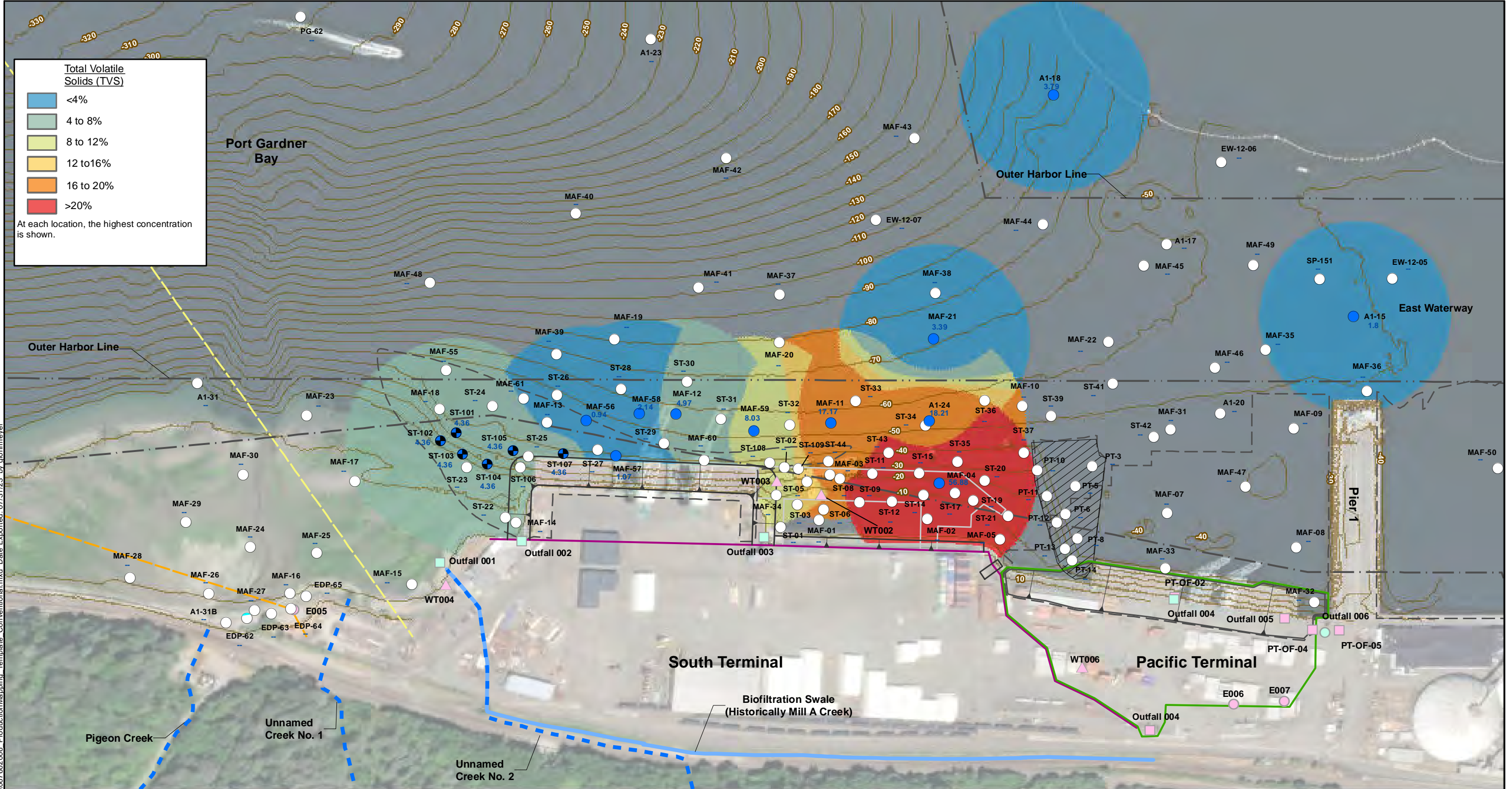
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-23



Total Volatile Solids (TVS)

- <4%
- 4 to 8%
- 8 to 12%
- 12 to 16%
- 16 to 20%
- >20%

At each location, the highest concentration is shown.

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

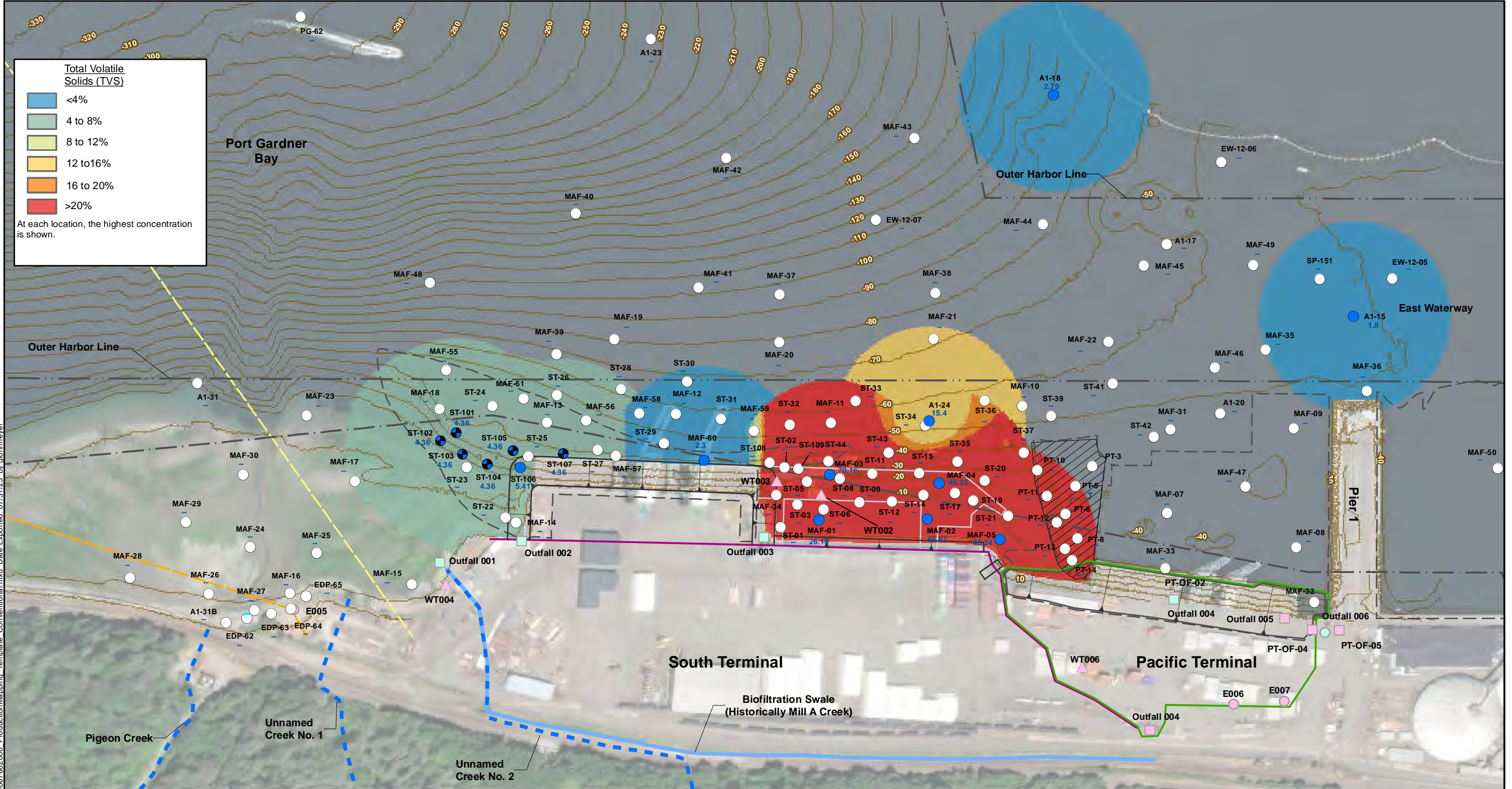
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-24



Total Volatile Solids (TVS)

- <4%
- 4 to 8%
- 8 to 12%
- 12 to 16%
- 16 to 20%
- >20%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

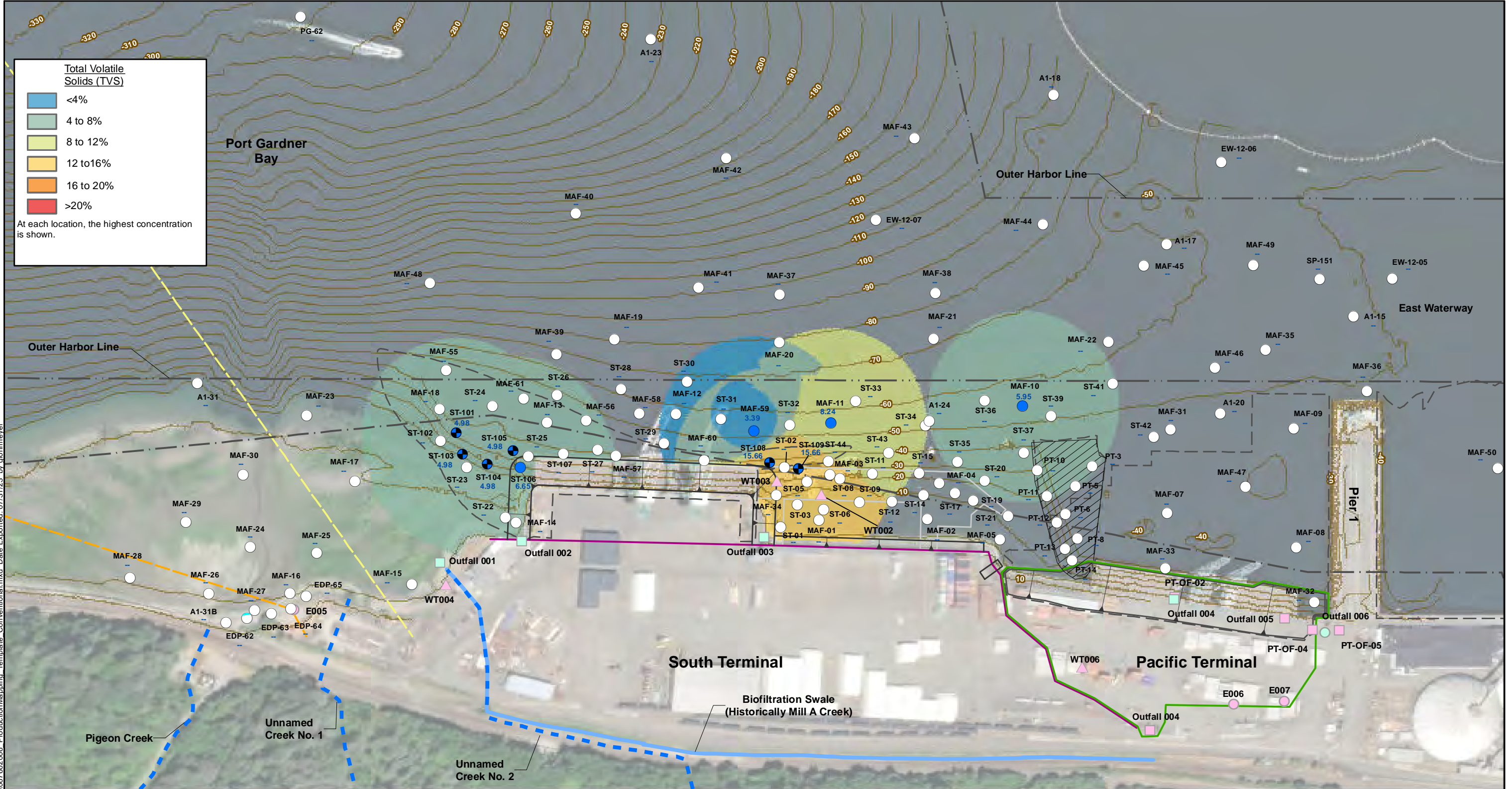
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-25



Total Volatile Solids (TVS)

- <4%
- 4 to 8%
- 8 to 12%
- 12 to 16%
- 16 to 20%
- >20%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

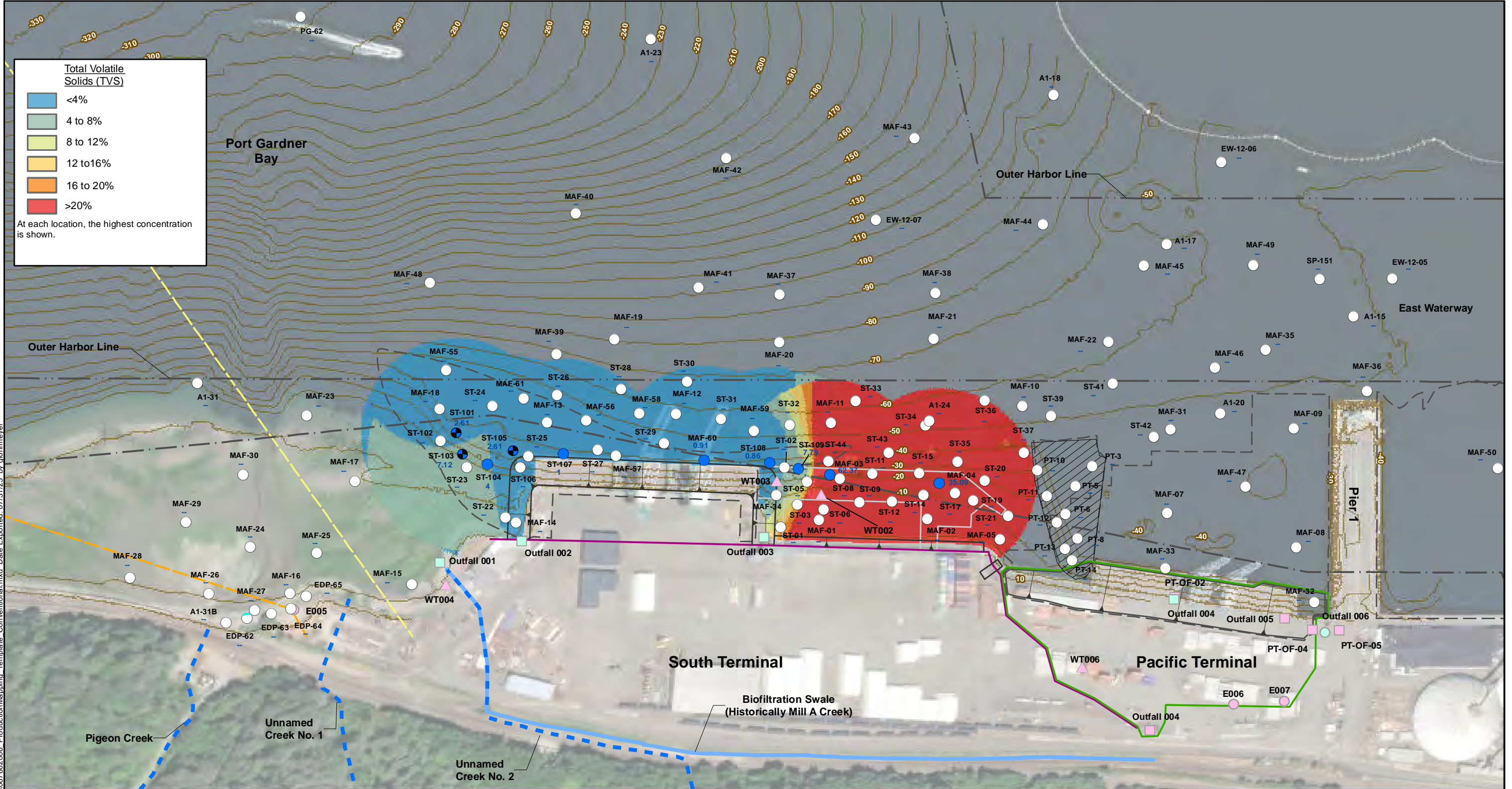
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-26



Total Volatile Solids (TVS)

- <4%
- 4 to 8%
- 8 to 12%
- 12 to 16%
- 16 to 20%
- >20%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

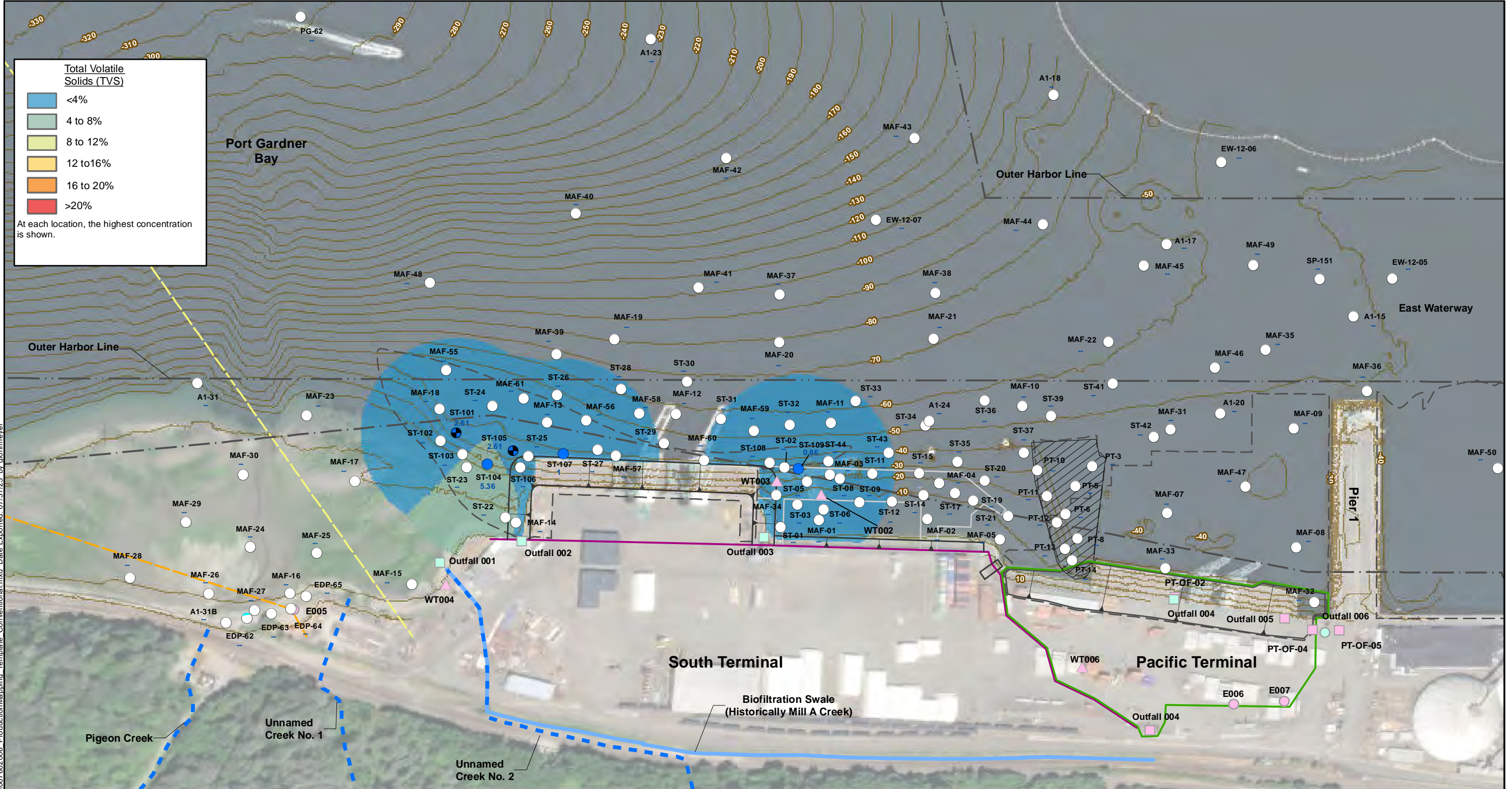
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-27



Total Volatile Solids (TVS)

- <4%
- 4 to 8%
- 8 to 12%
- 12 to 16%
- 16 to 20%
- >20%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

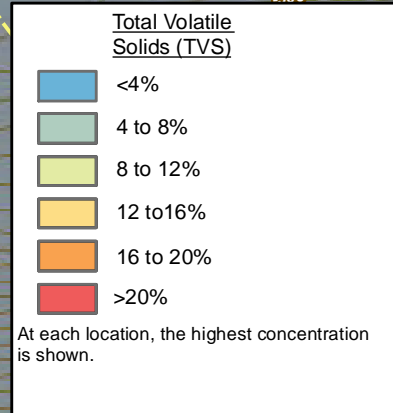
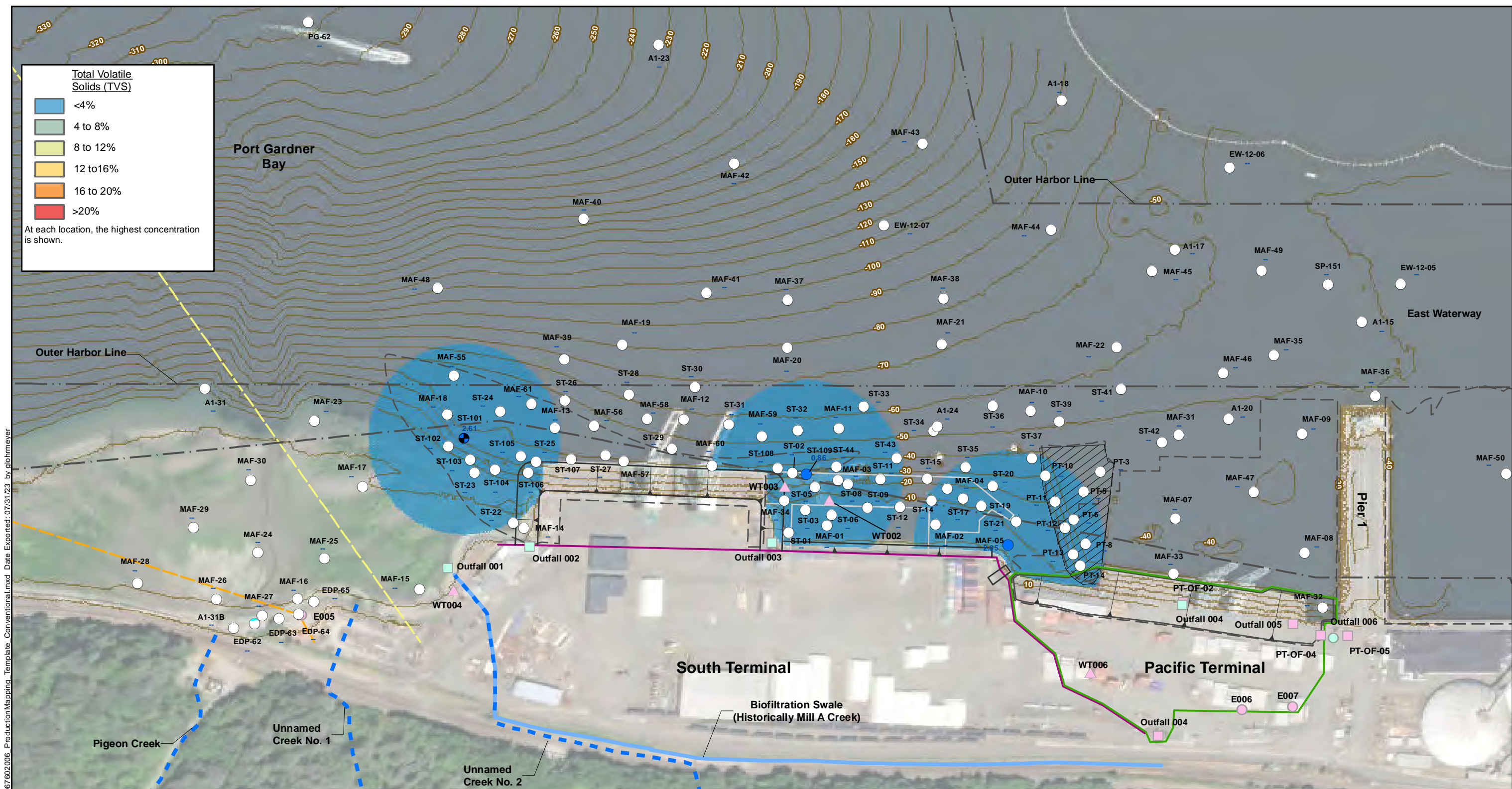
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (10-12 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-28



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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

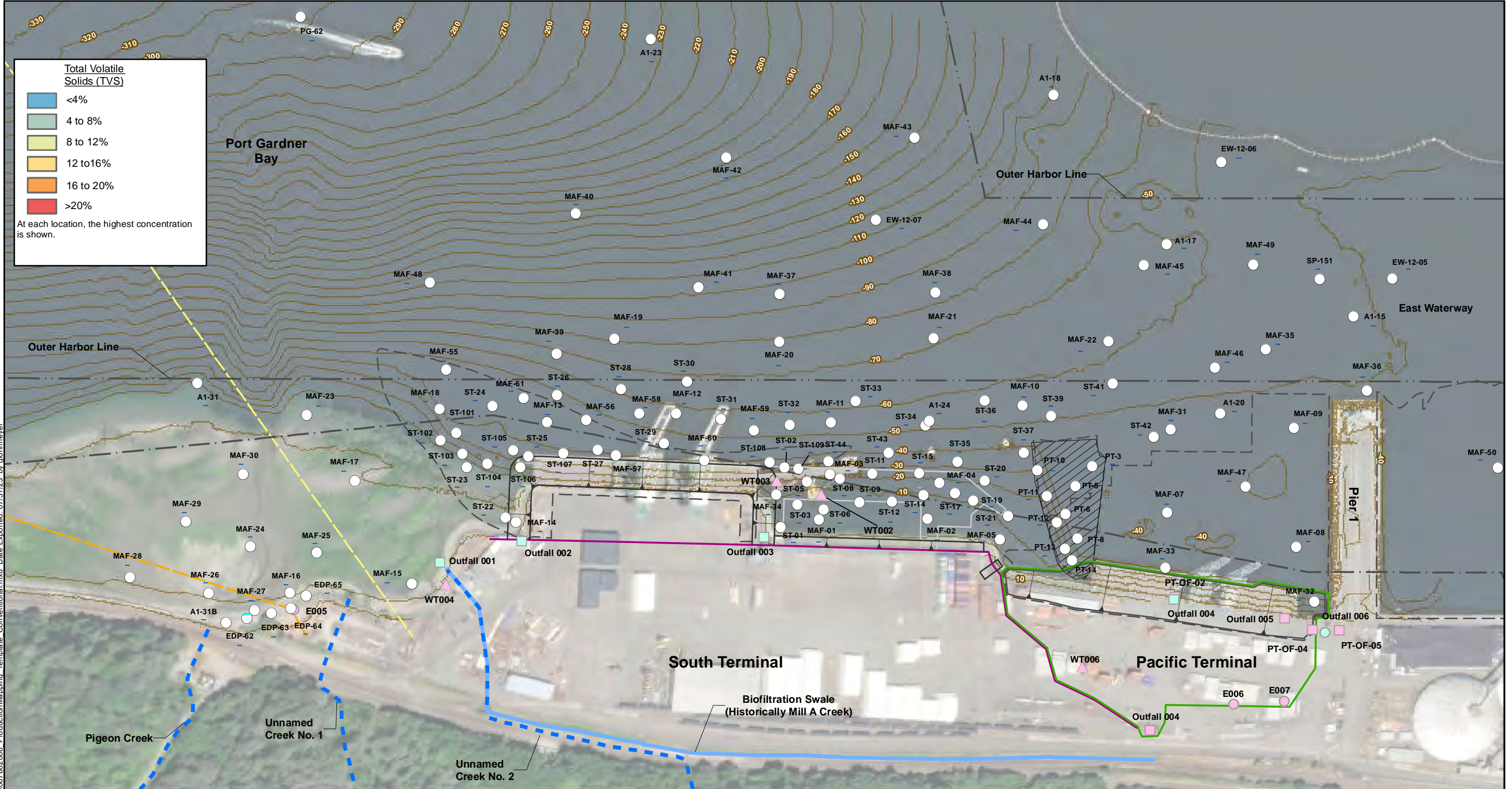
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (12-14 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-29



Total Volatile Solids (TVS)

| |
|-----------|
| <4% |
| 4 to 8% |
| 8 to 12% |
| 12 to 16% |
| 16 to 20% |
| >20% |

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

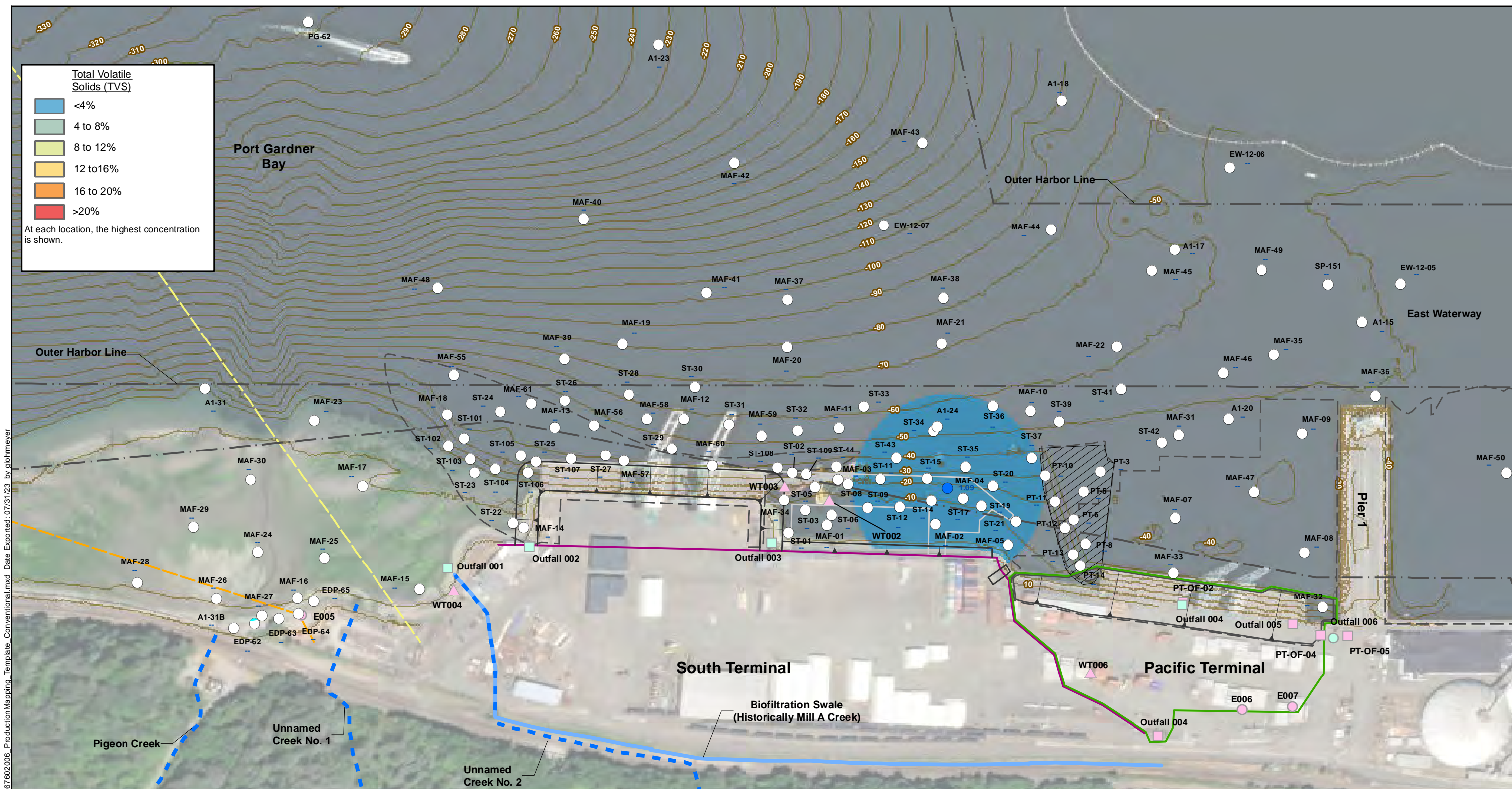
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (14-16 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-30

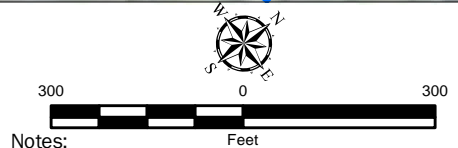


Total Volatile Solids (TVS)

- <4%
- 4 to 8%
- 8 to 12%
- 12 to 16%
- 16 to 20%
- >20%

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

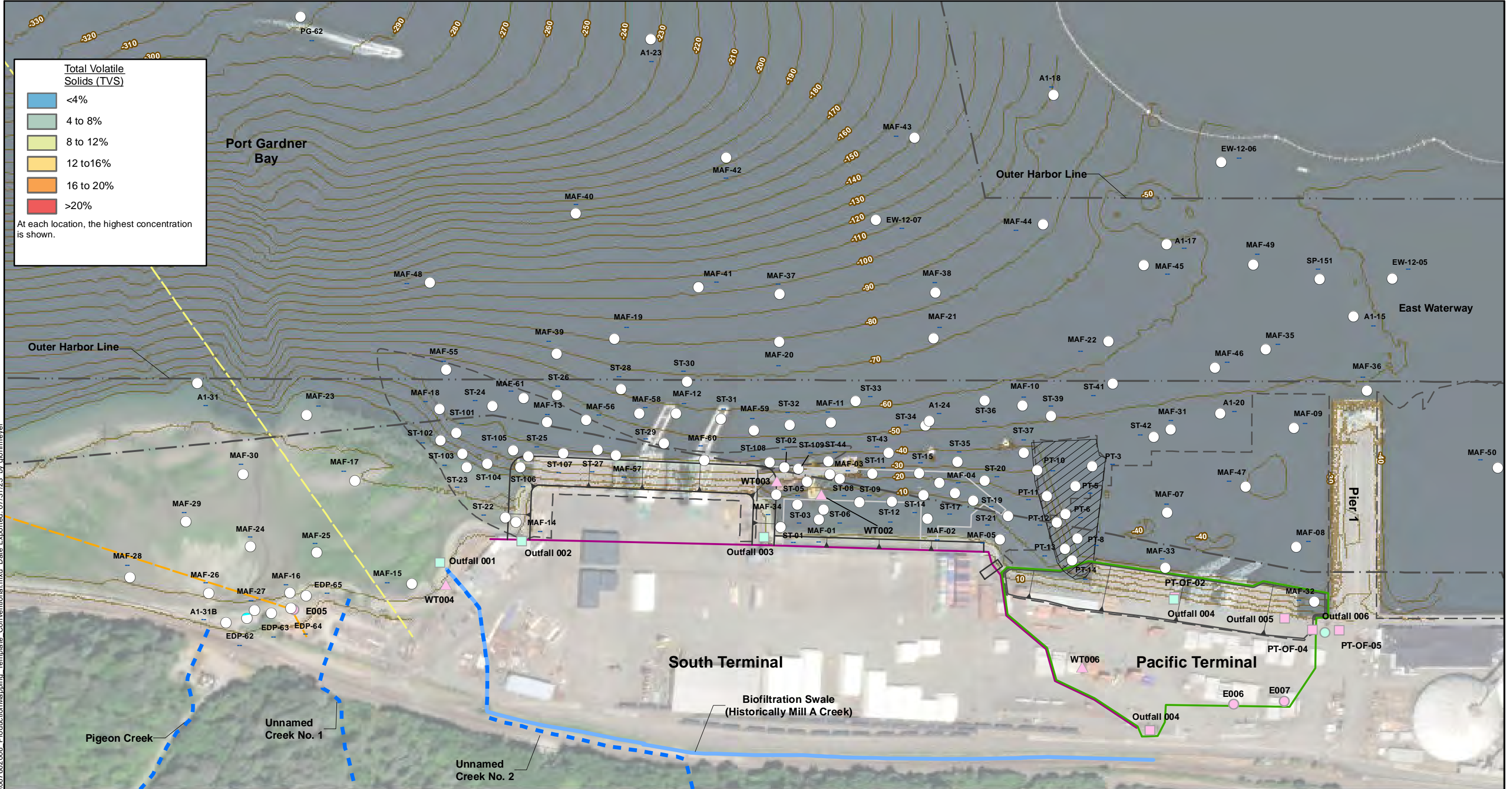
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (16-18 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-31



Total Volatile Solids (TVS)

| |
|-----------|
| <4% |
| 4 to 8% |
| 8 to 12% |
| 12 to 16% |
| 16 to 20% |
| >20% |

At each location, the highest concentration is shown.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

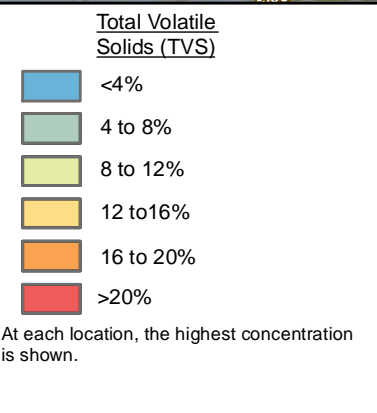
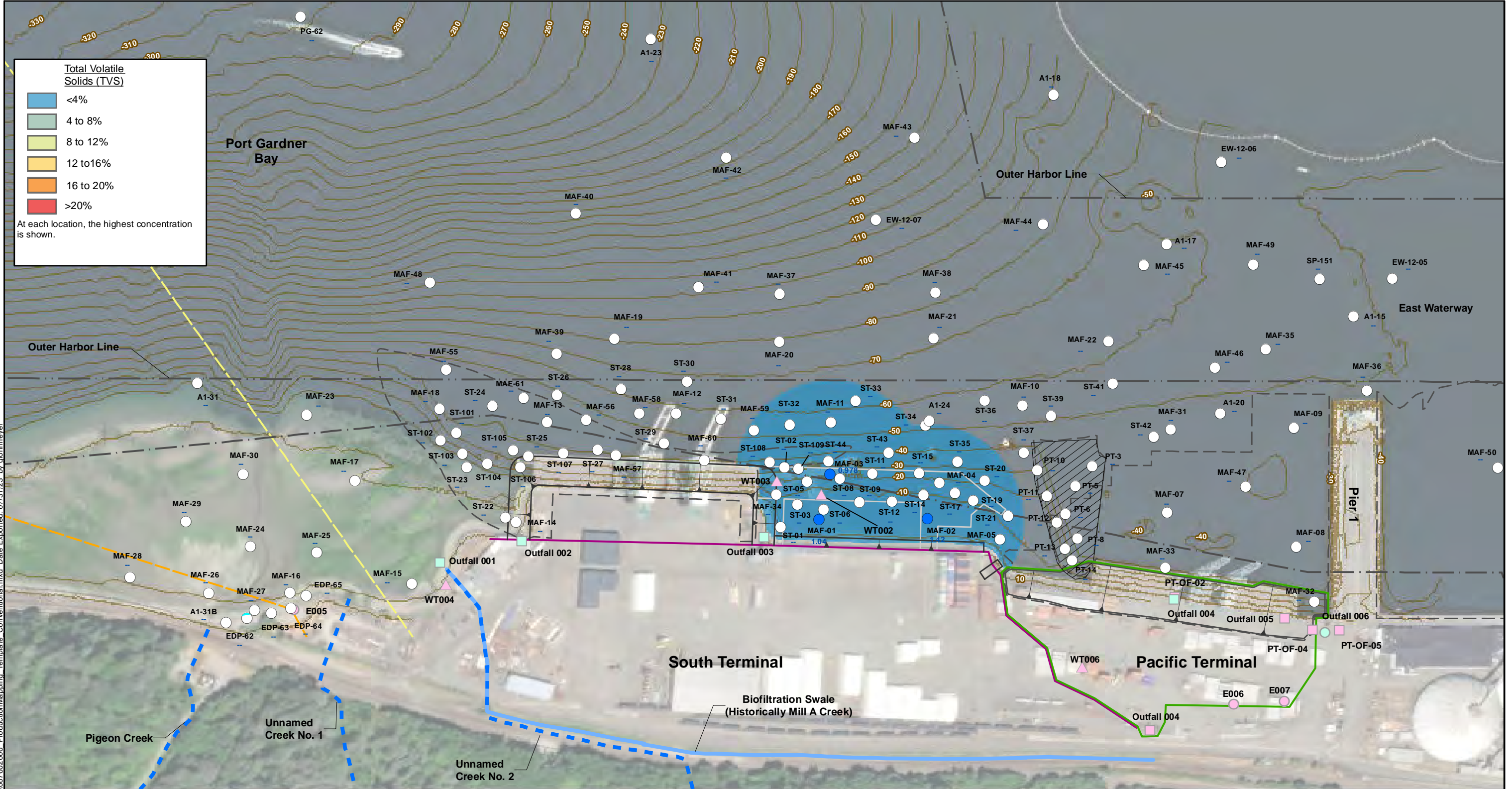
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Volatile Solids (TVS)
Subsurface Sediment (18-20 ft)**

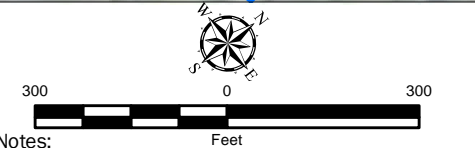
**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-32



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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

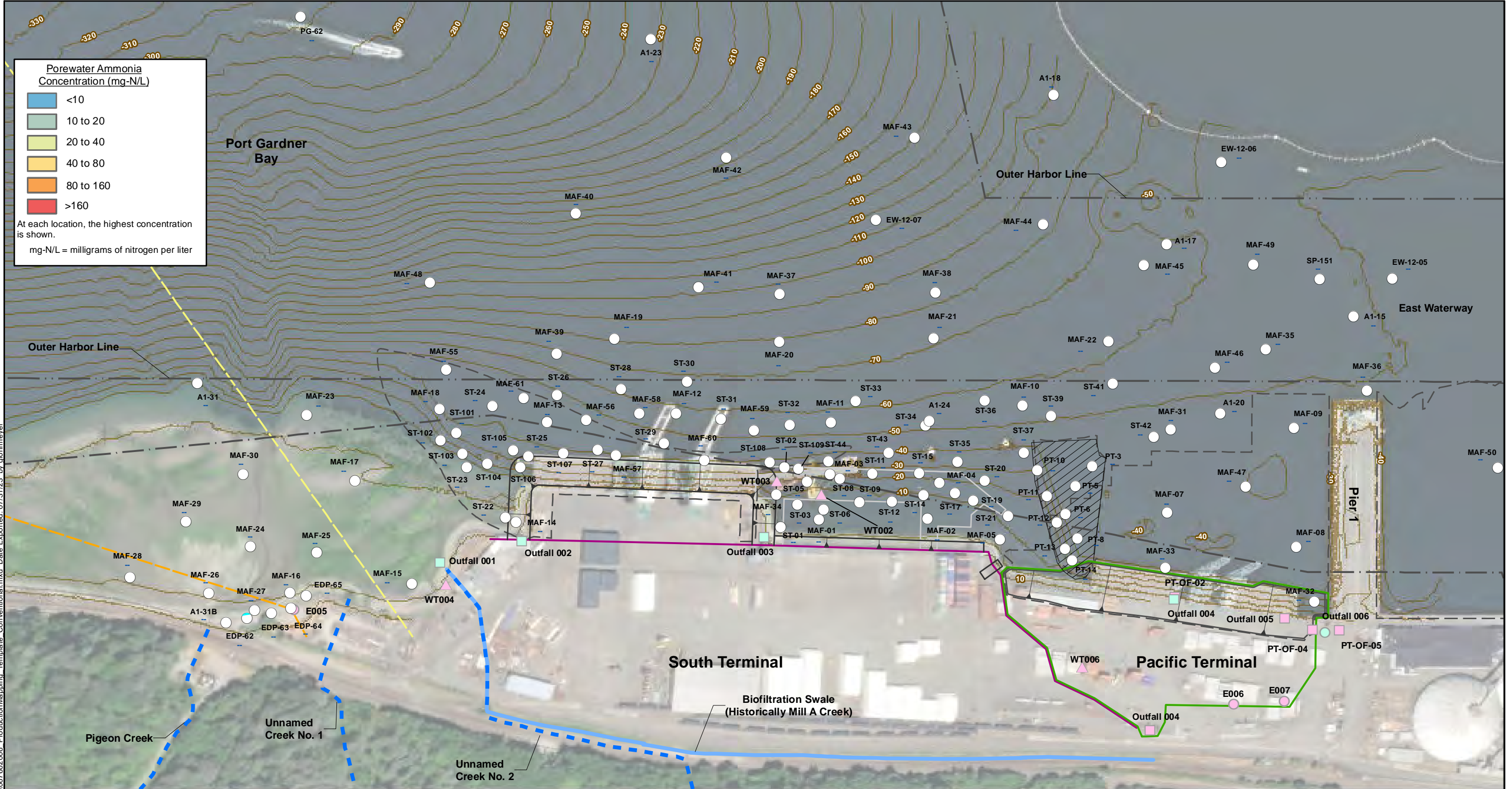
- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Volatile Solids (TVS)
Subsurface Sediment (20-22 ft)
 Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-33



Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

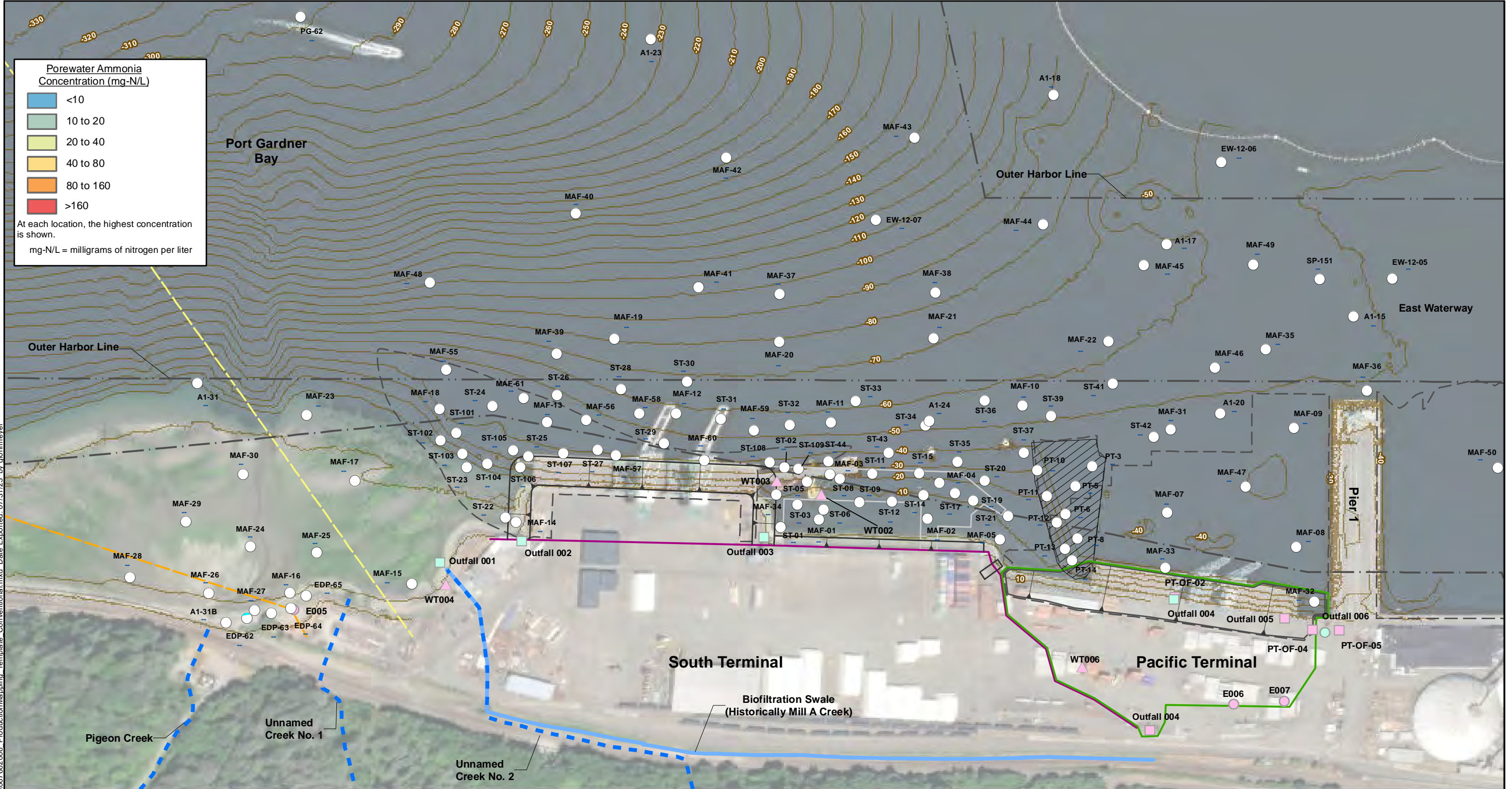
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Porewater Ammonia Concentration
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-34



Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

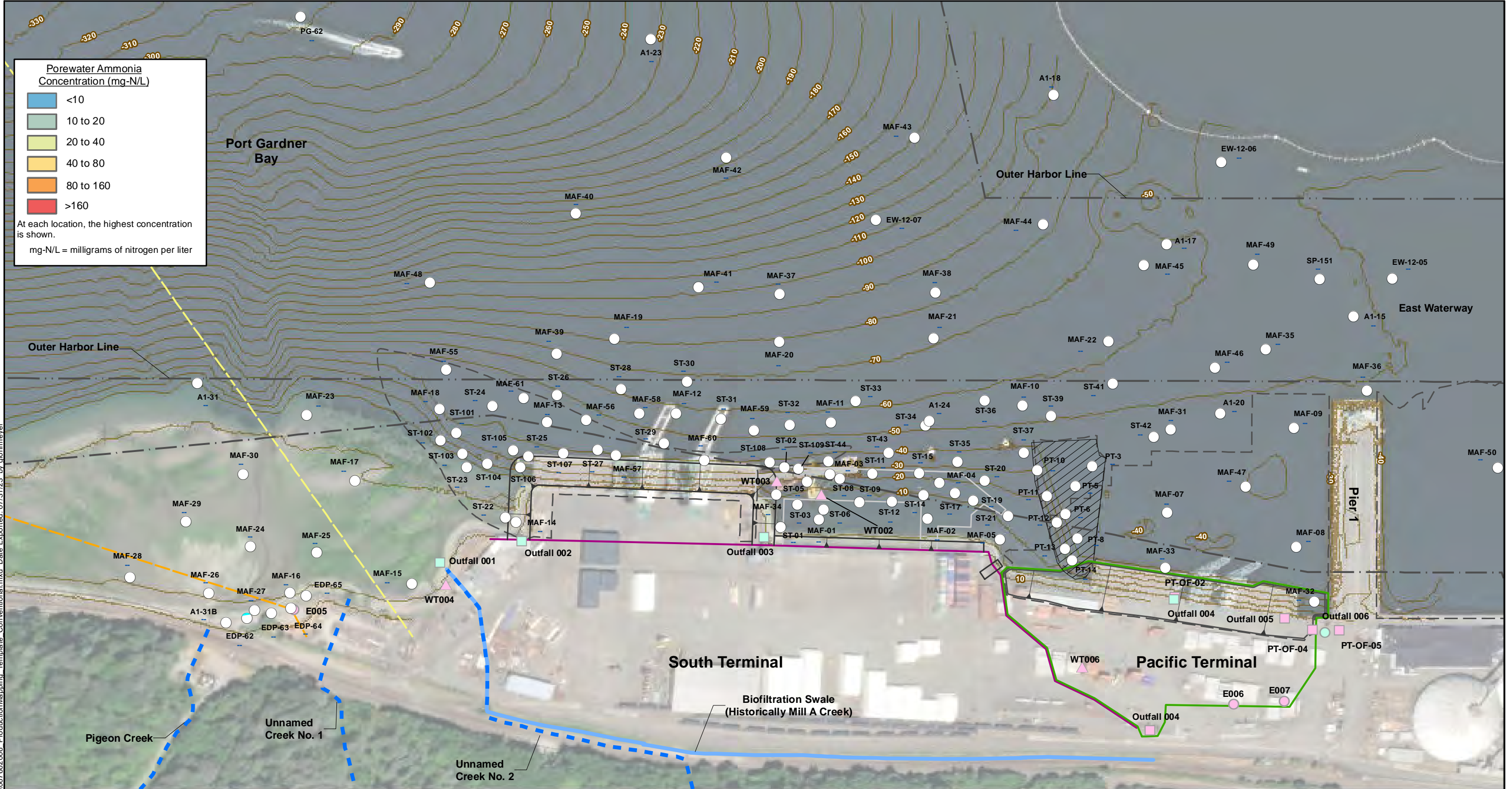
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Porewater Ammonia Concentration
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-35



Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

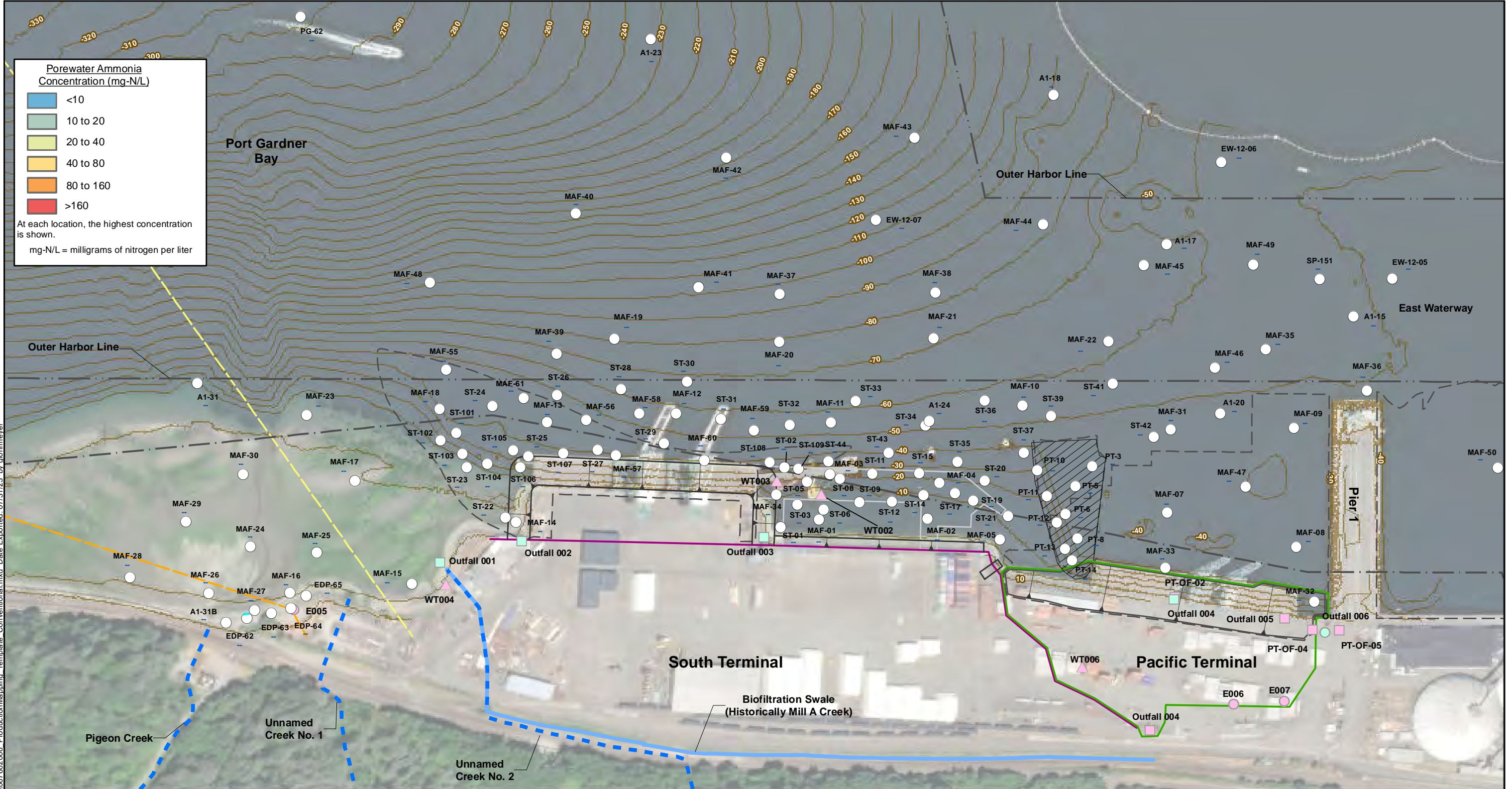
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Porewater Ammonia Concentration
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-36



Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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 3. Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.
 Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

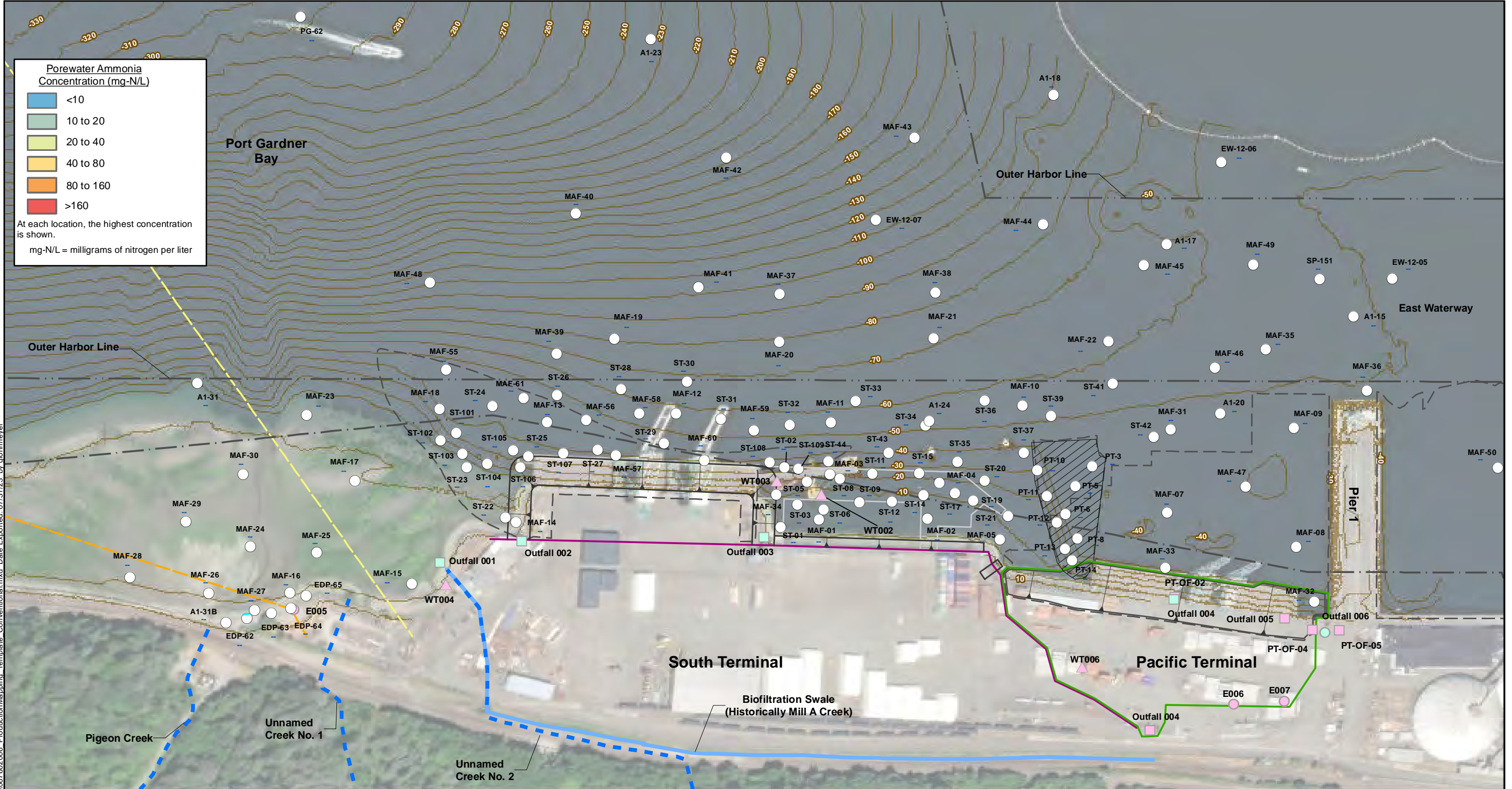
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Porewater Ammonia Concentration Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-37



Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

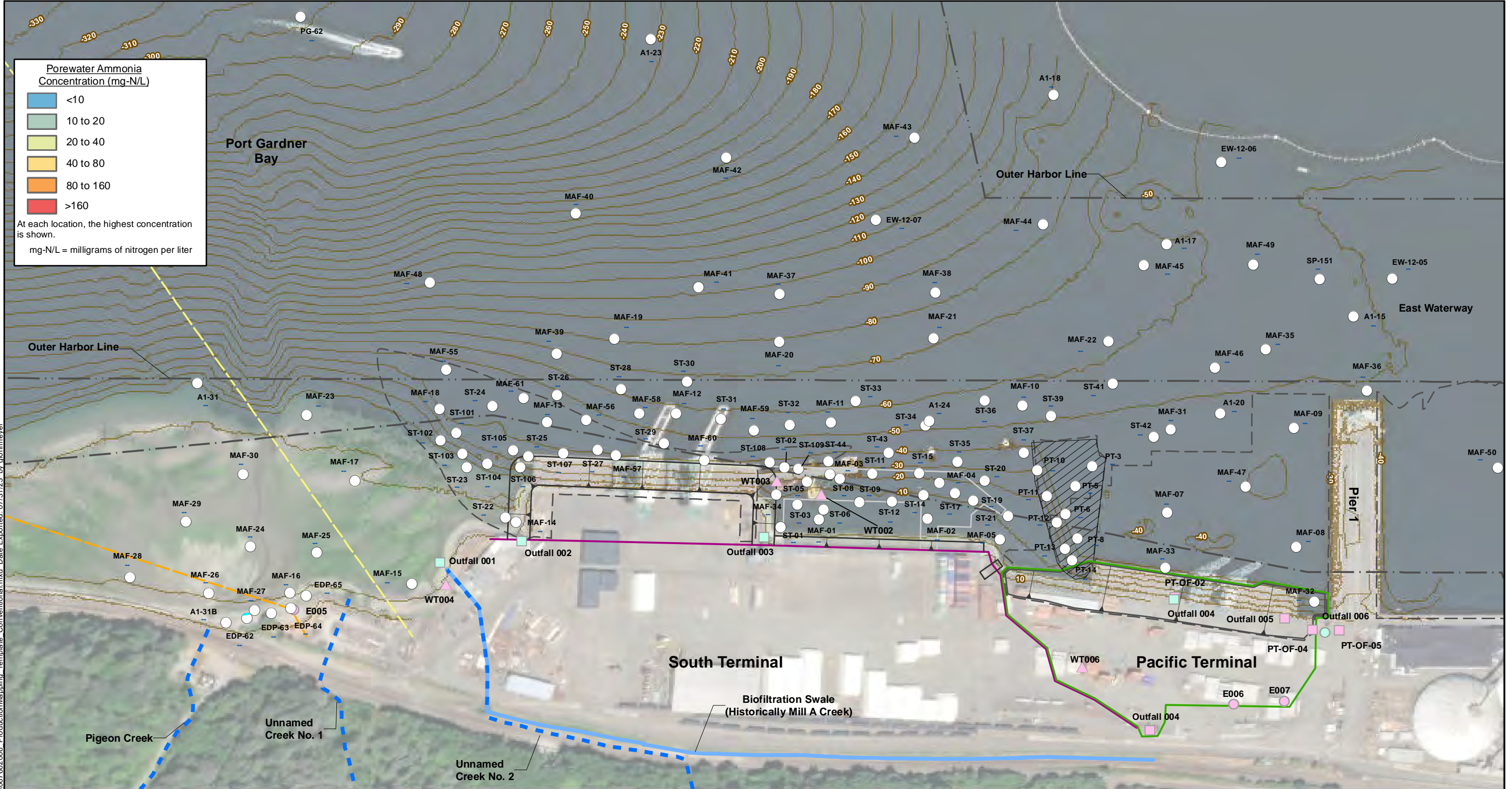
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Porewater Ammonia Concentration Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former Everett, Washington

GEOENGINEERS

Figure Q-38



Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

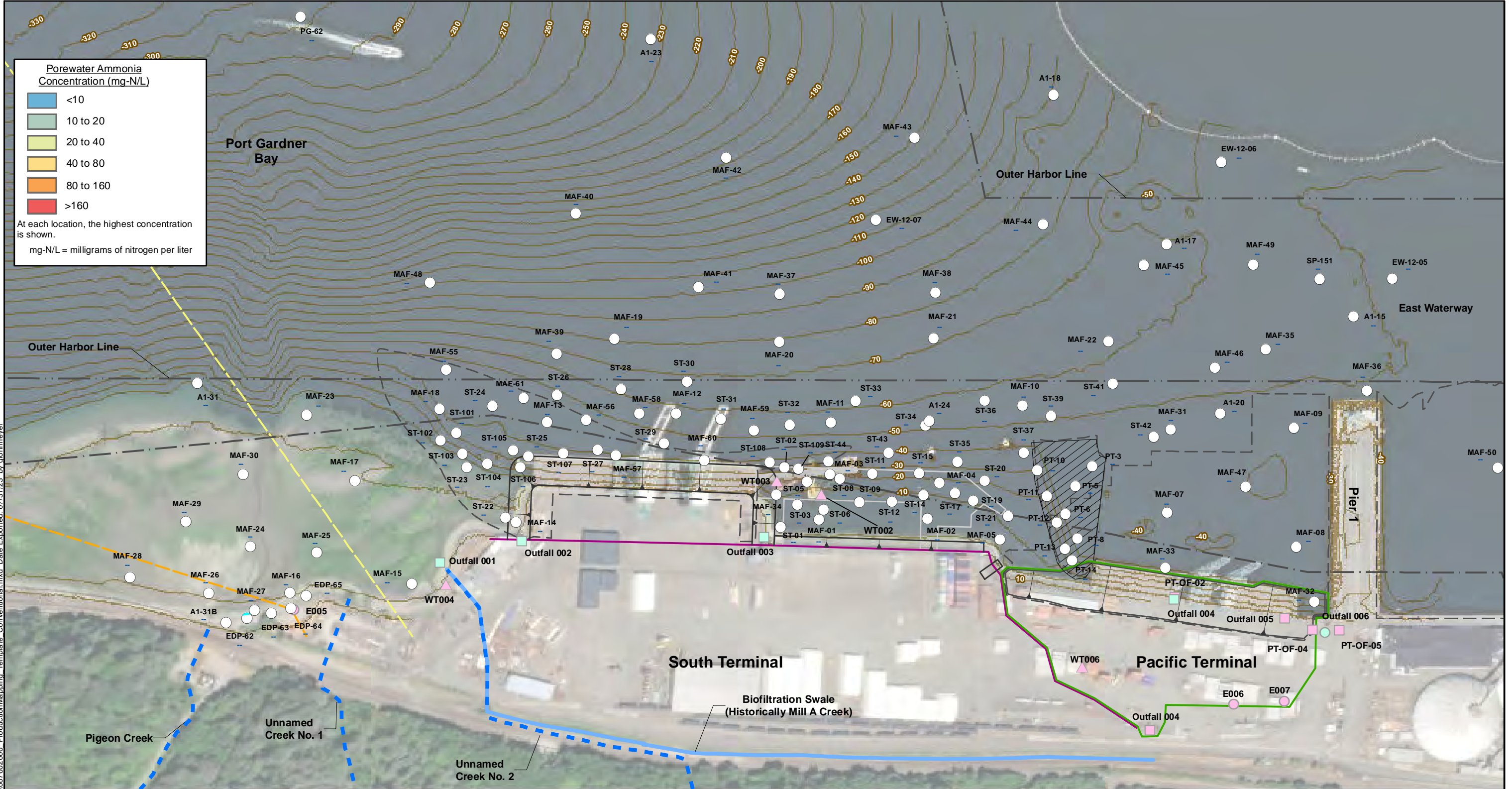
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Porewater Ammonia Concentration Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-39

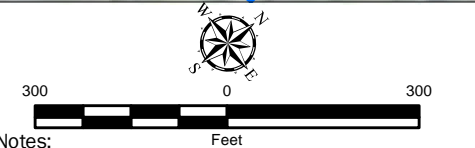


Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

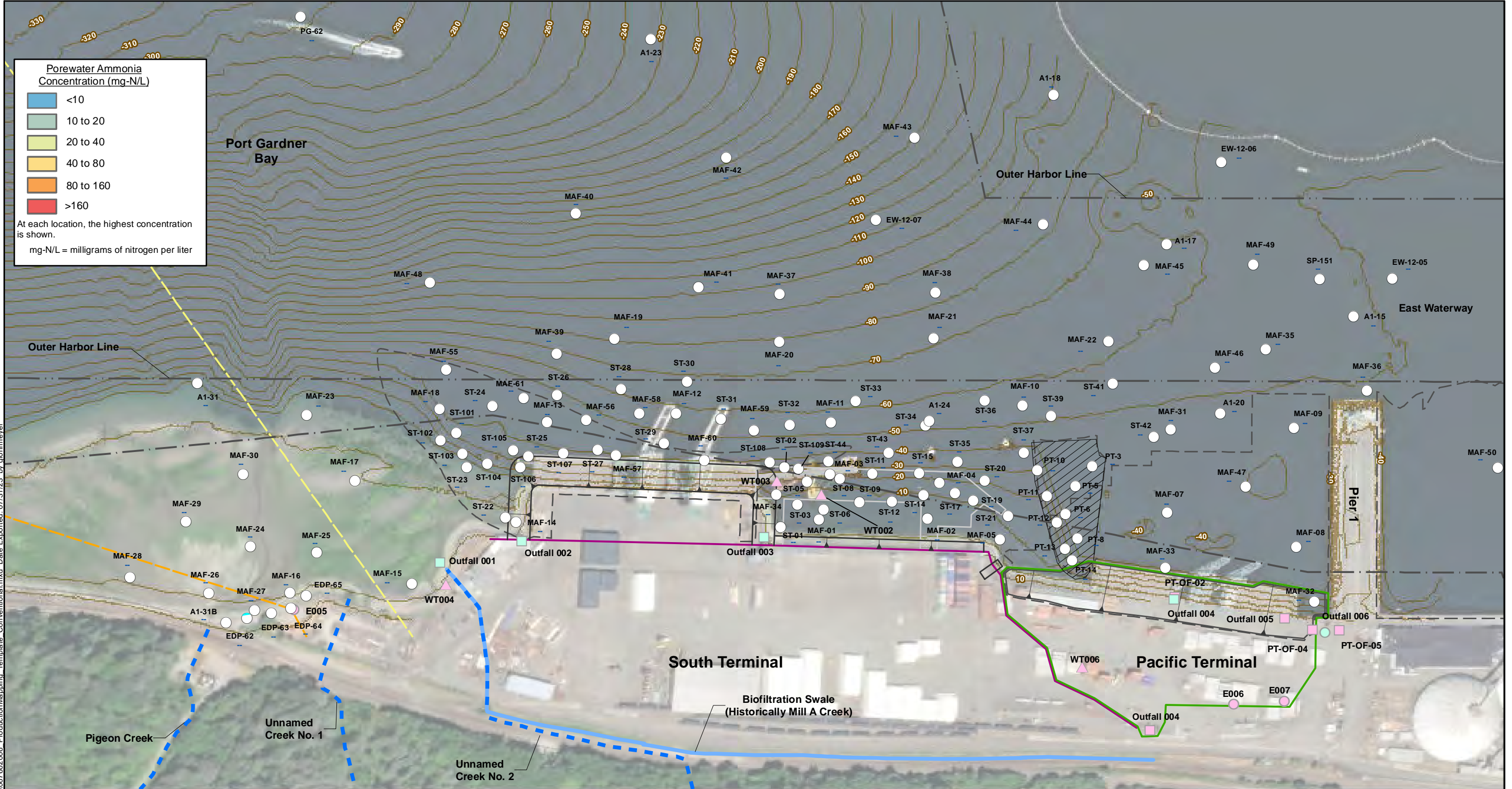
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Porewater Ammonia Concentration Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-40

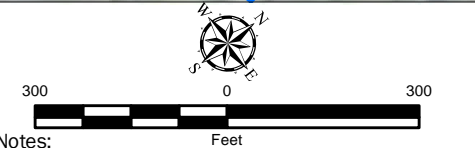


Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

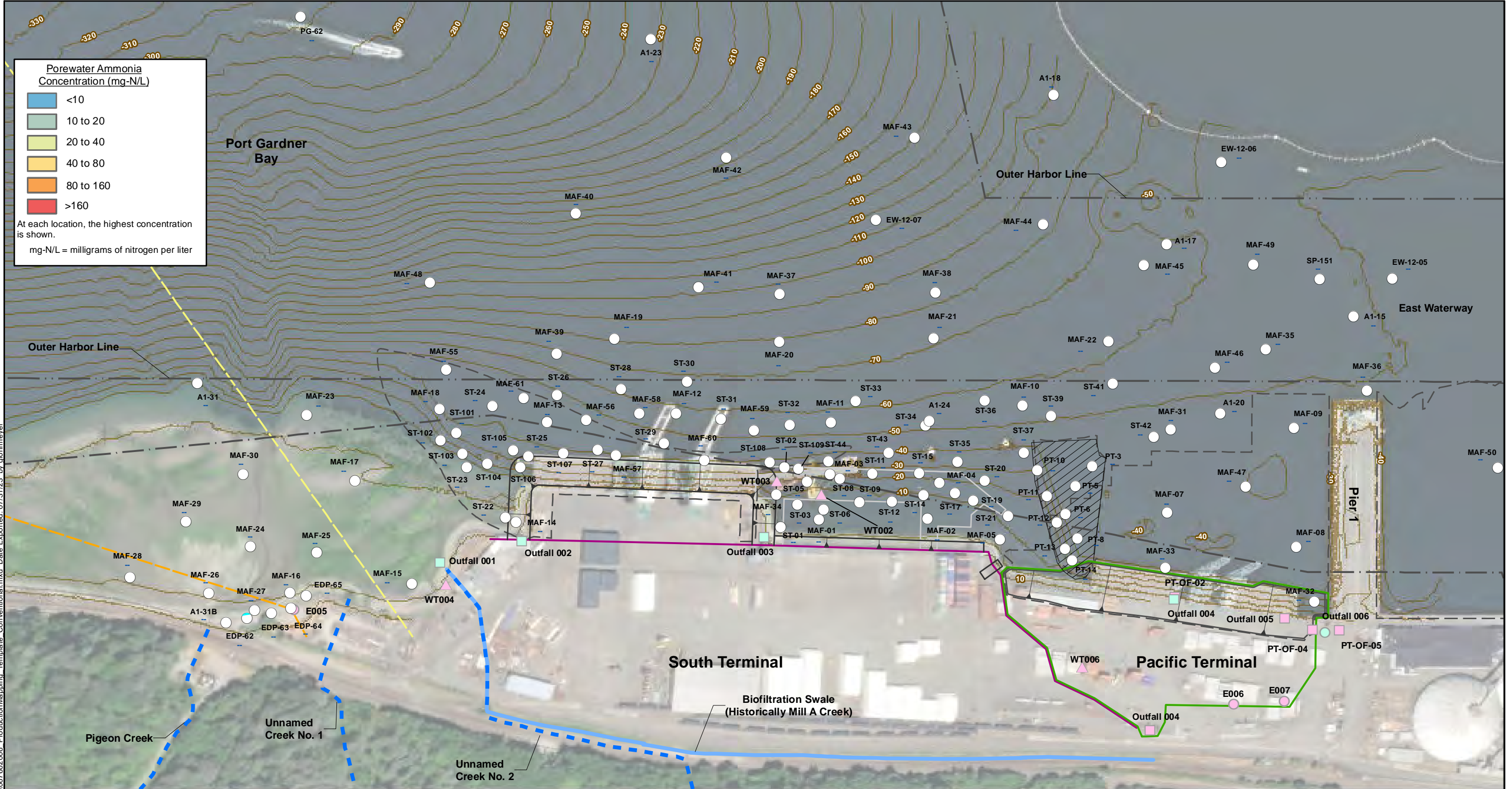
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Porewater Ammonia Concentration Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-41



Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

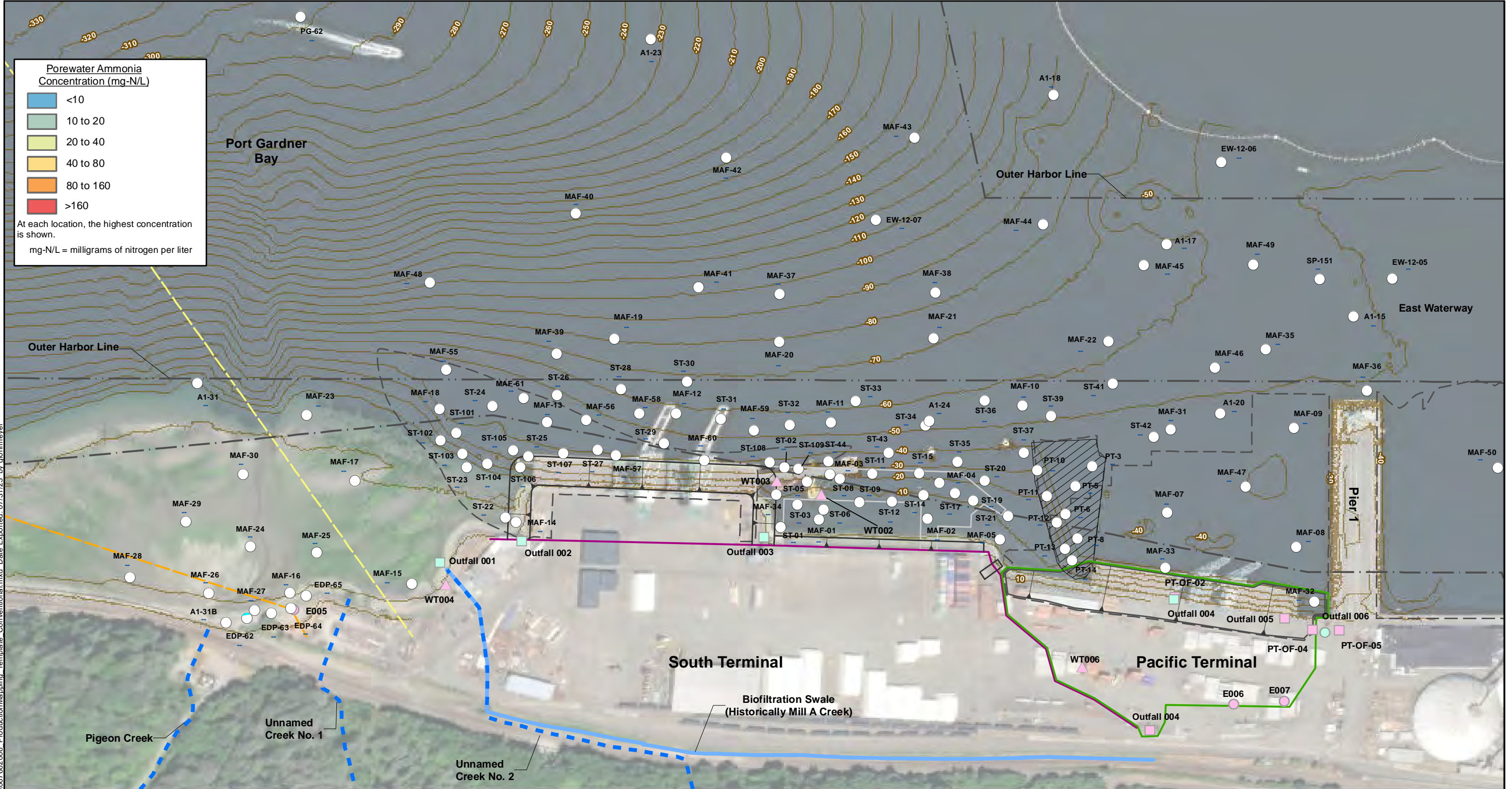
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Porewater Ammonia Concentration Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-42

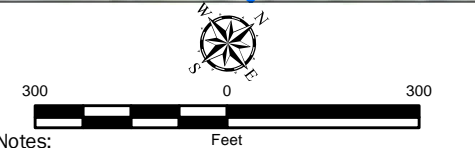


Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

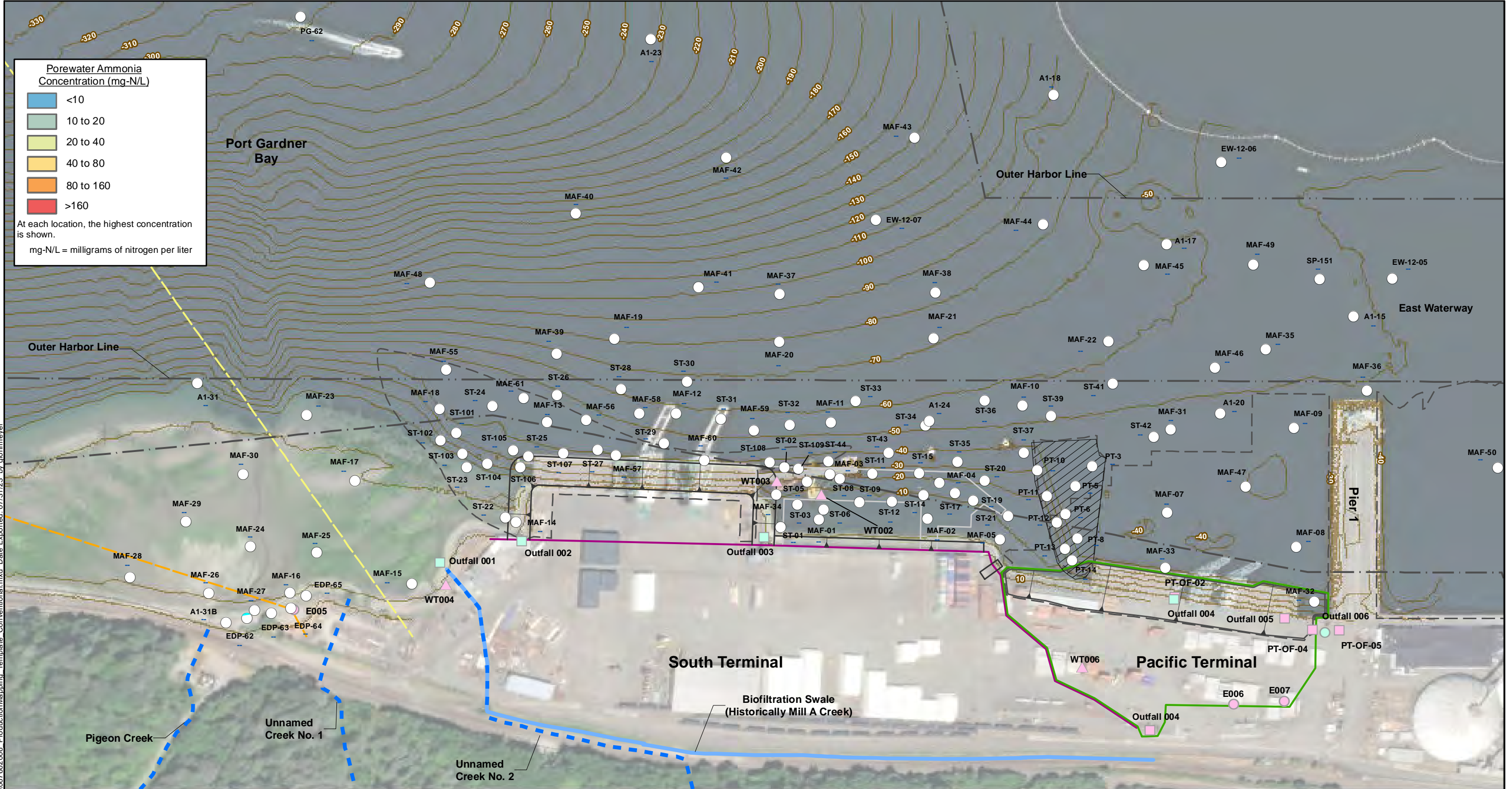
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Porewater Ammonia Concentration Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-43

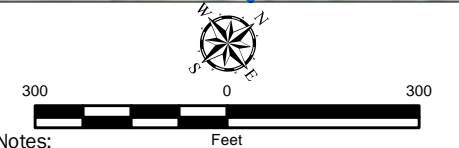


Porewater Ammonia Concentration (mg-N/L)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/L = milligrams of nitrogen per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

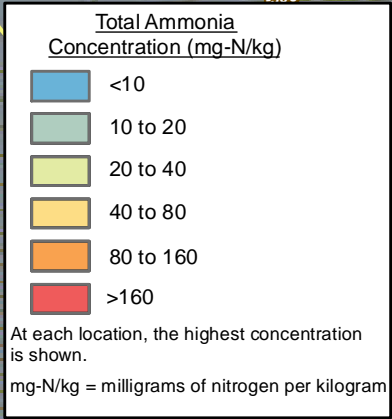
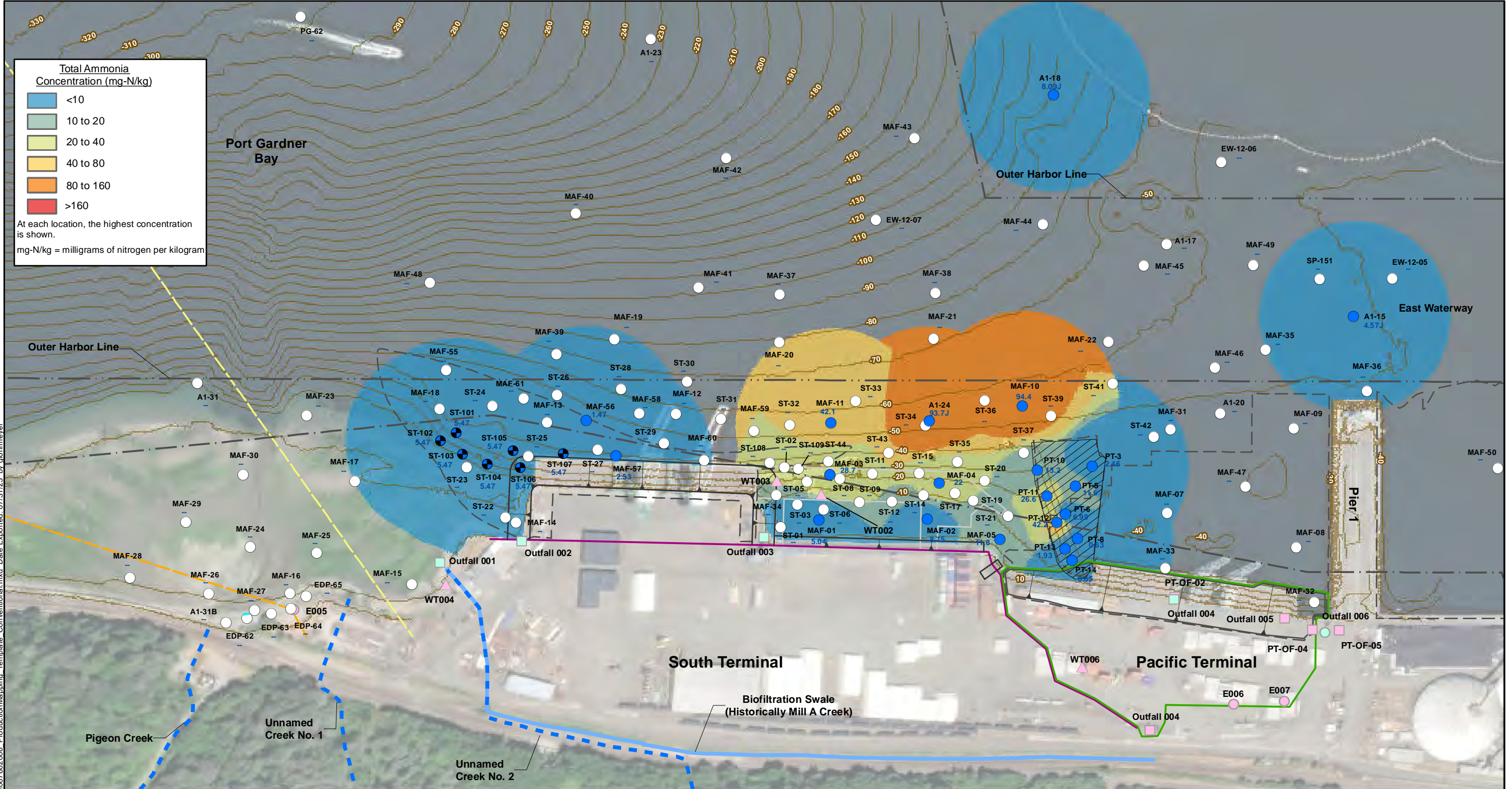
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

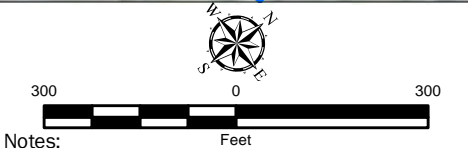
Porewater Ammonia Concentration Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-44



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

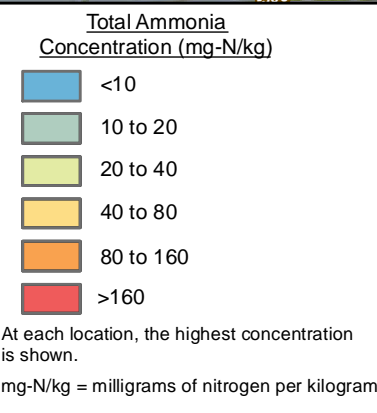
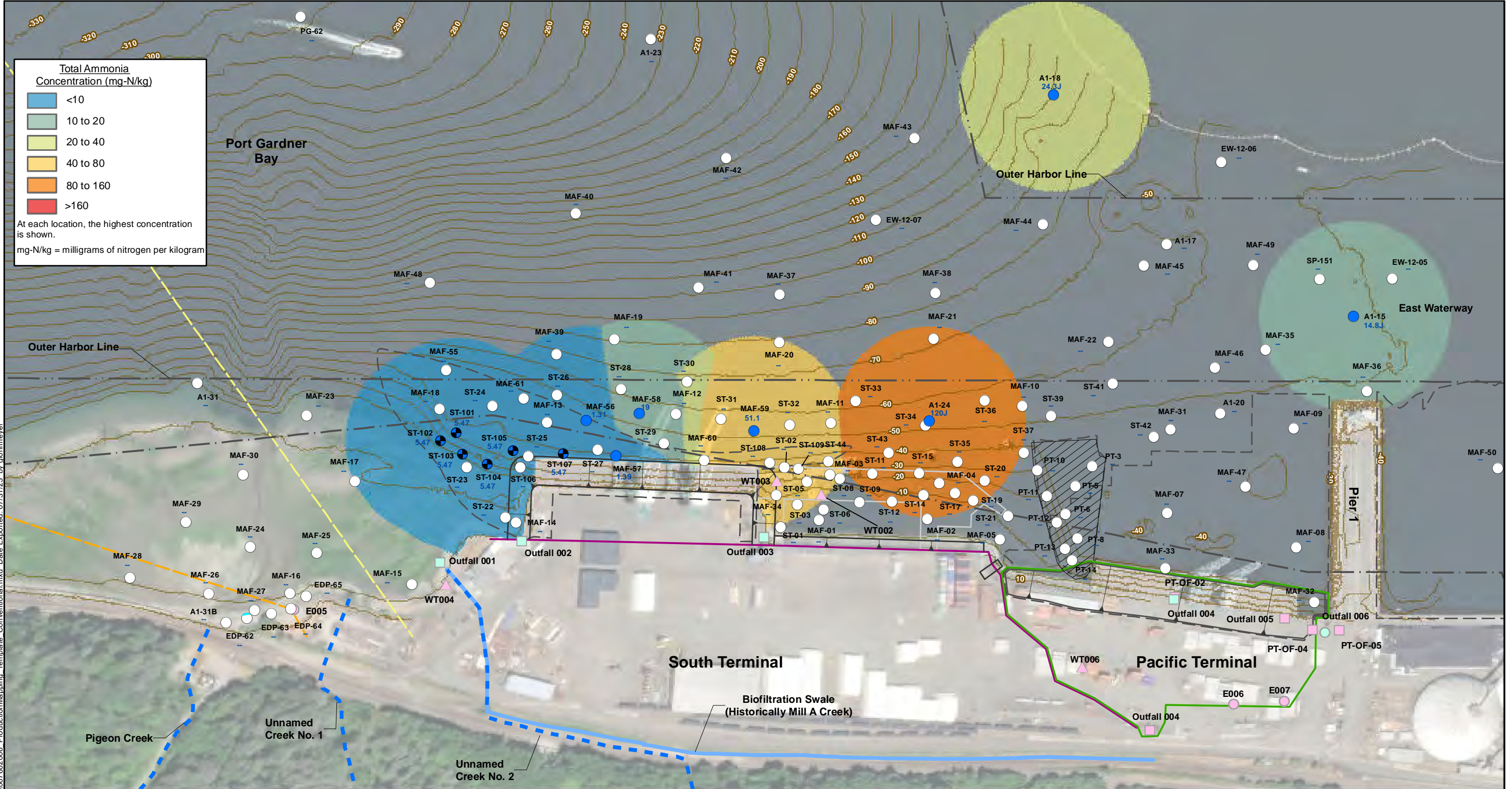
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Total Ammonia Concentration
Subsurface Sediment (0-2 ft)**

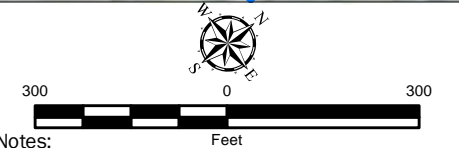
Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-45



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Notes:

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

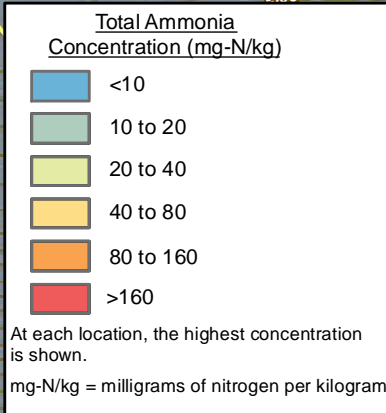
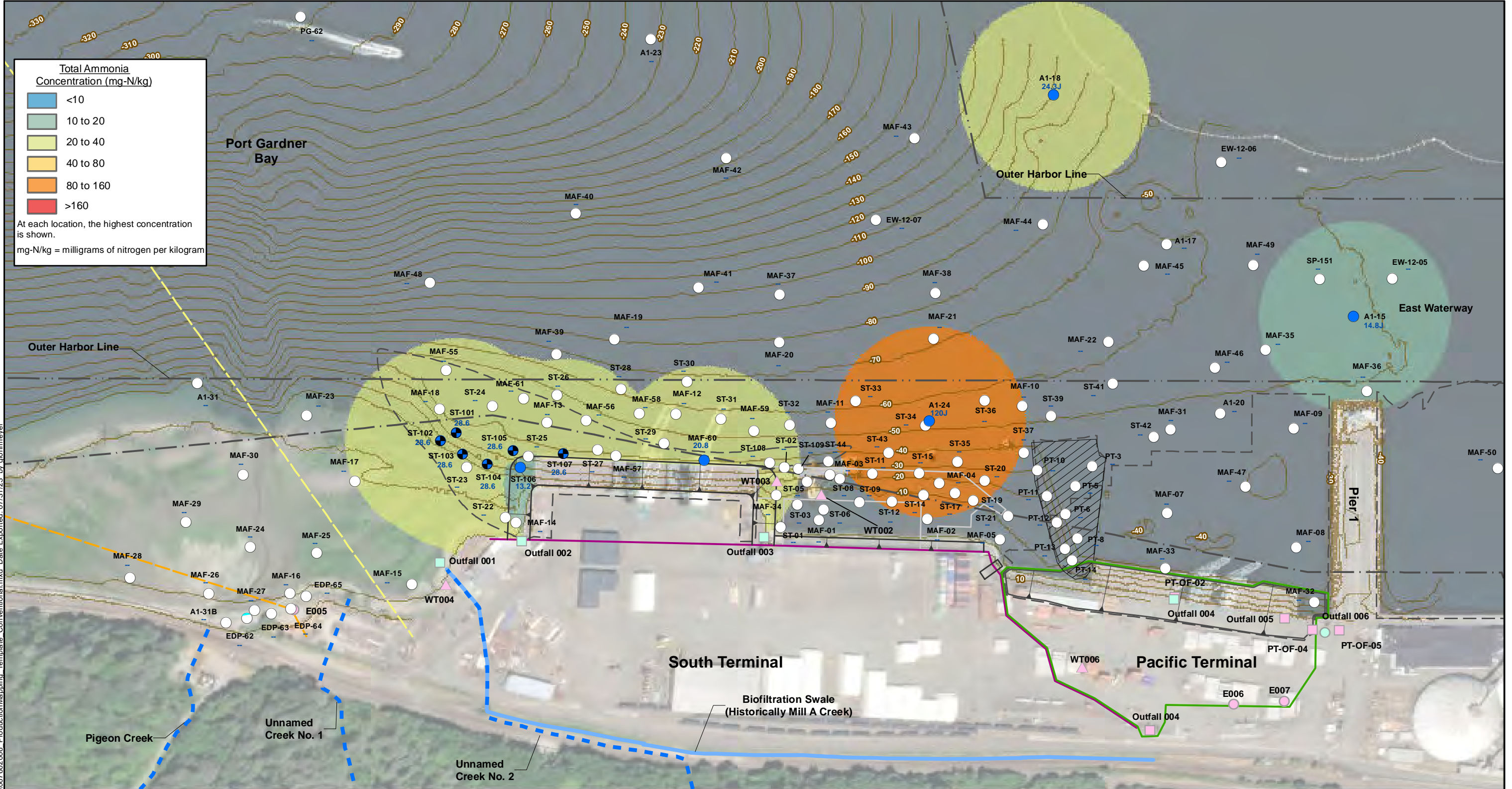
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Ammonia Concentration
Subsurface Sediment (2-4 ft)**

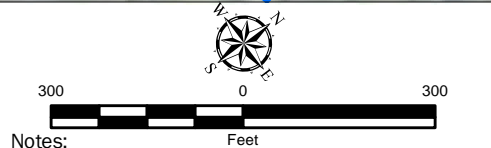
Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-46



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

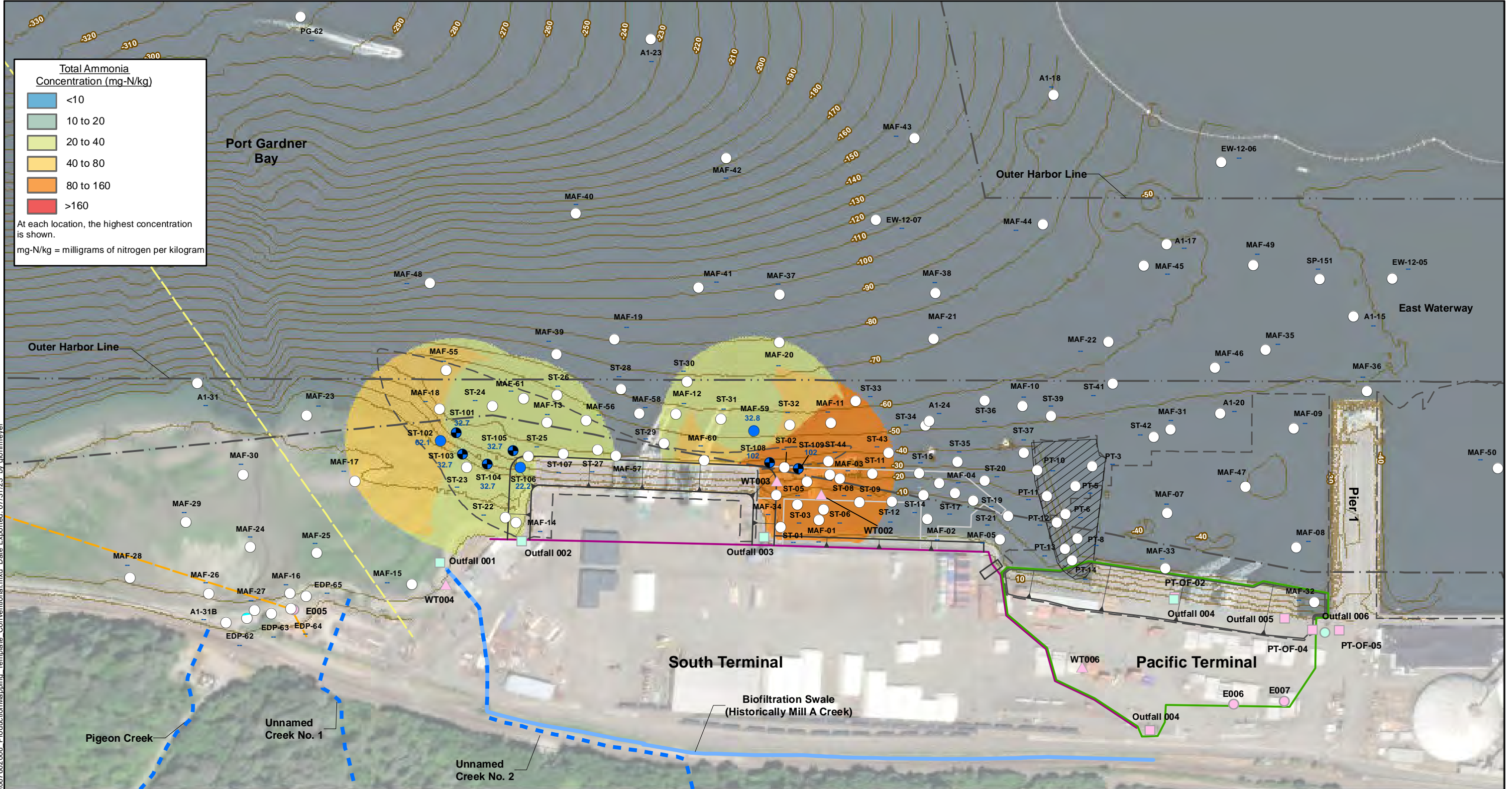
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Ammonia Concentration
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-47

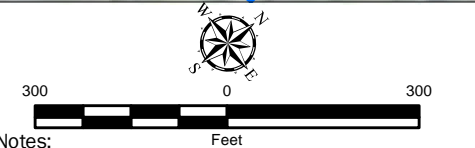


Total Ammonia Concentration (mg-N/kg)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/kg = milligrams of nitrogen per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

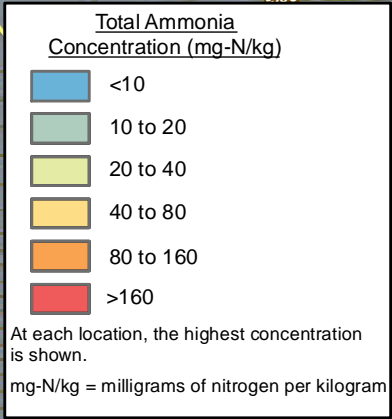
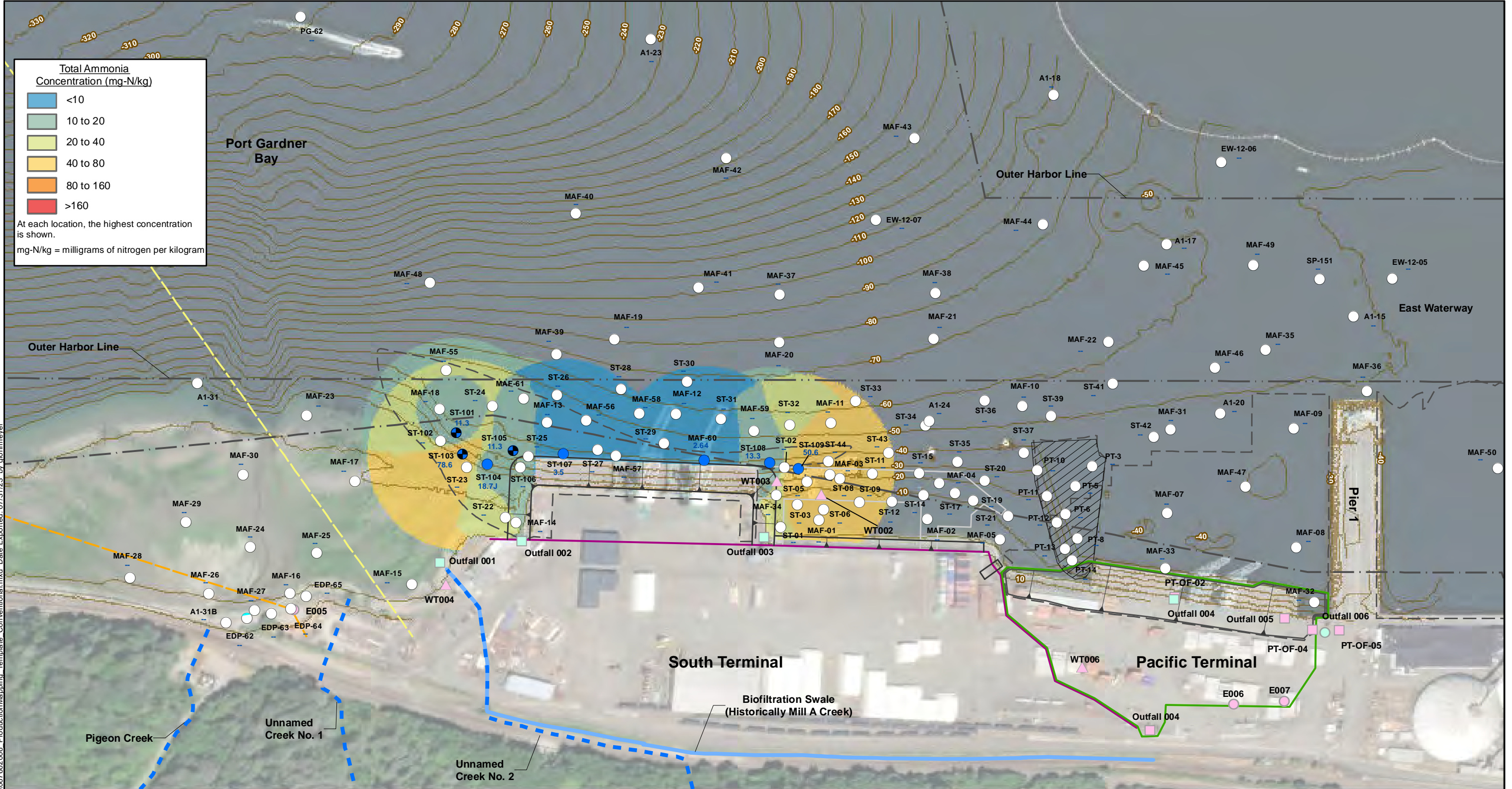
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Ammonia Concentration
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-48



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

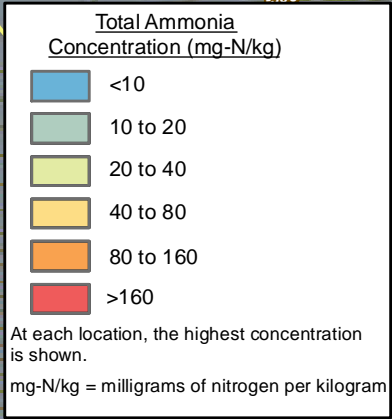
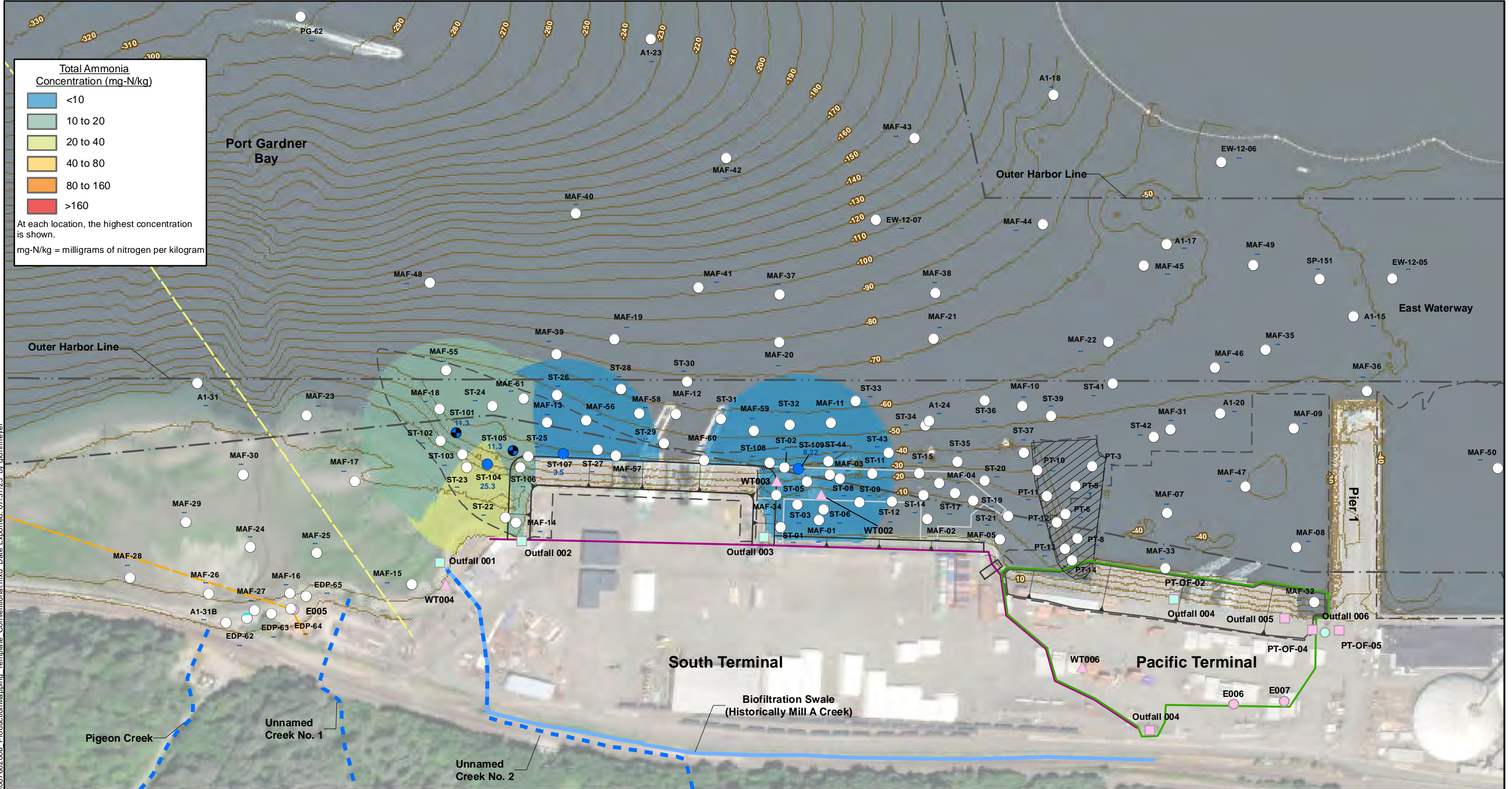
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Ammonia Concentration
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-49



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

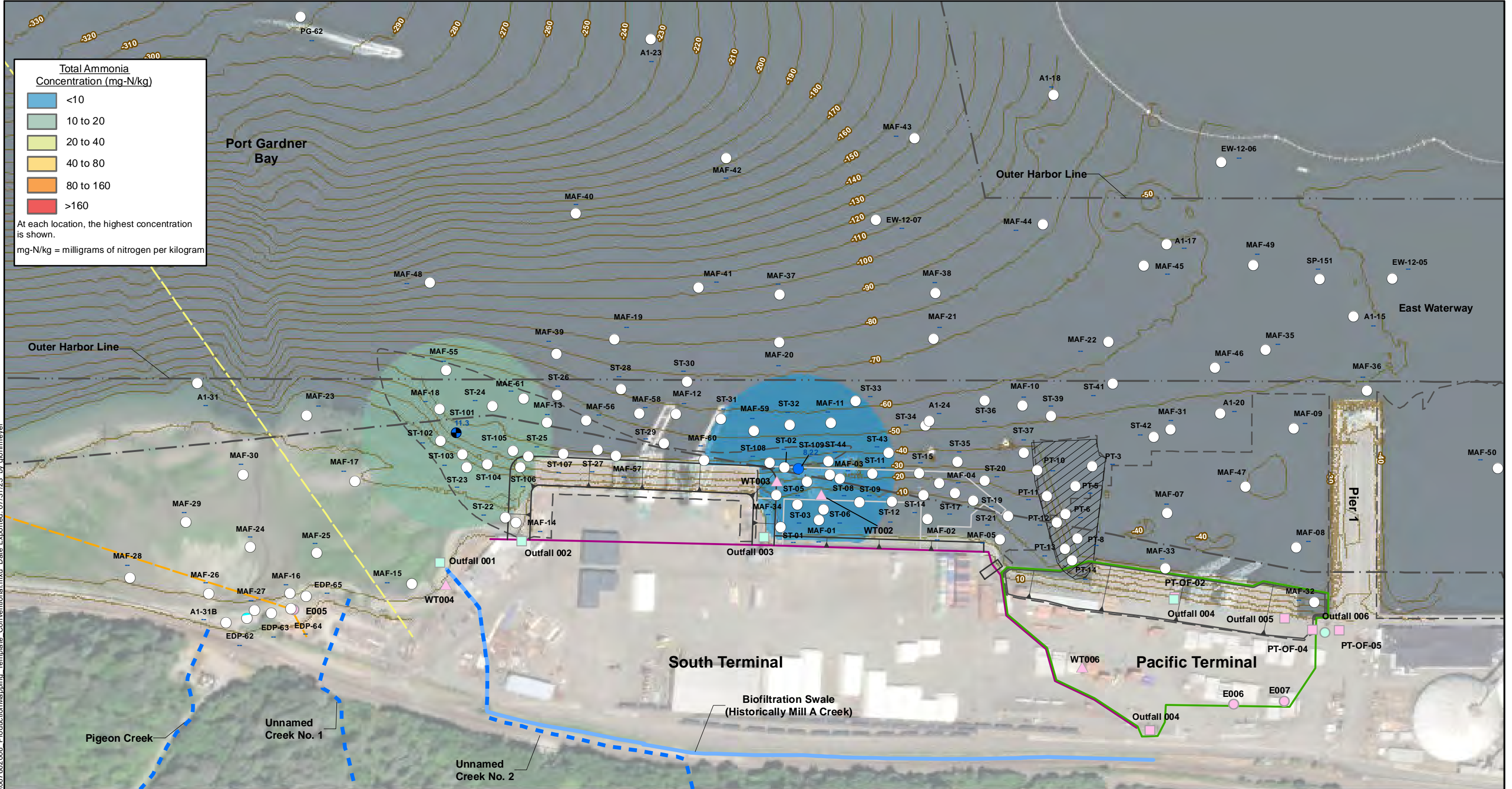
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Ammonia Concentration
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-50

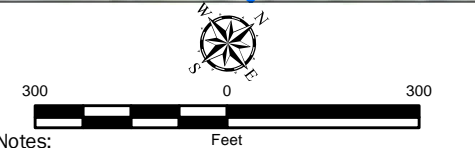


Total Ammonia Concentration (mg-N/kg)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/kg = milligrams of nitrogen per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

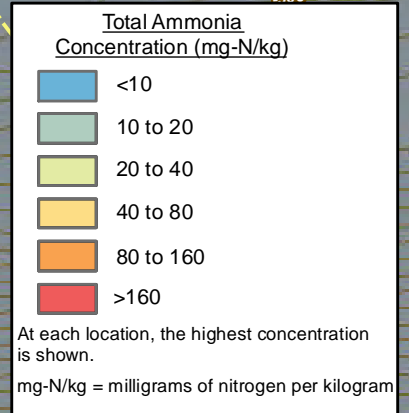
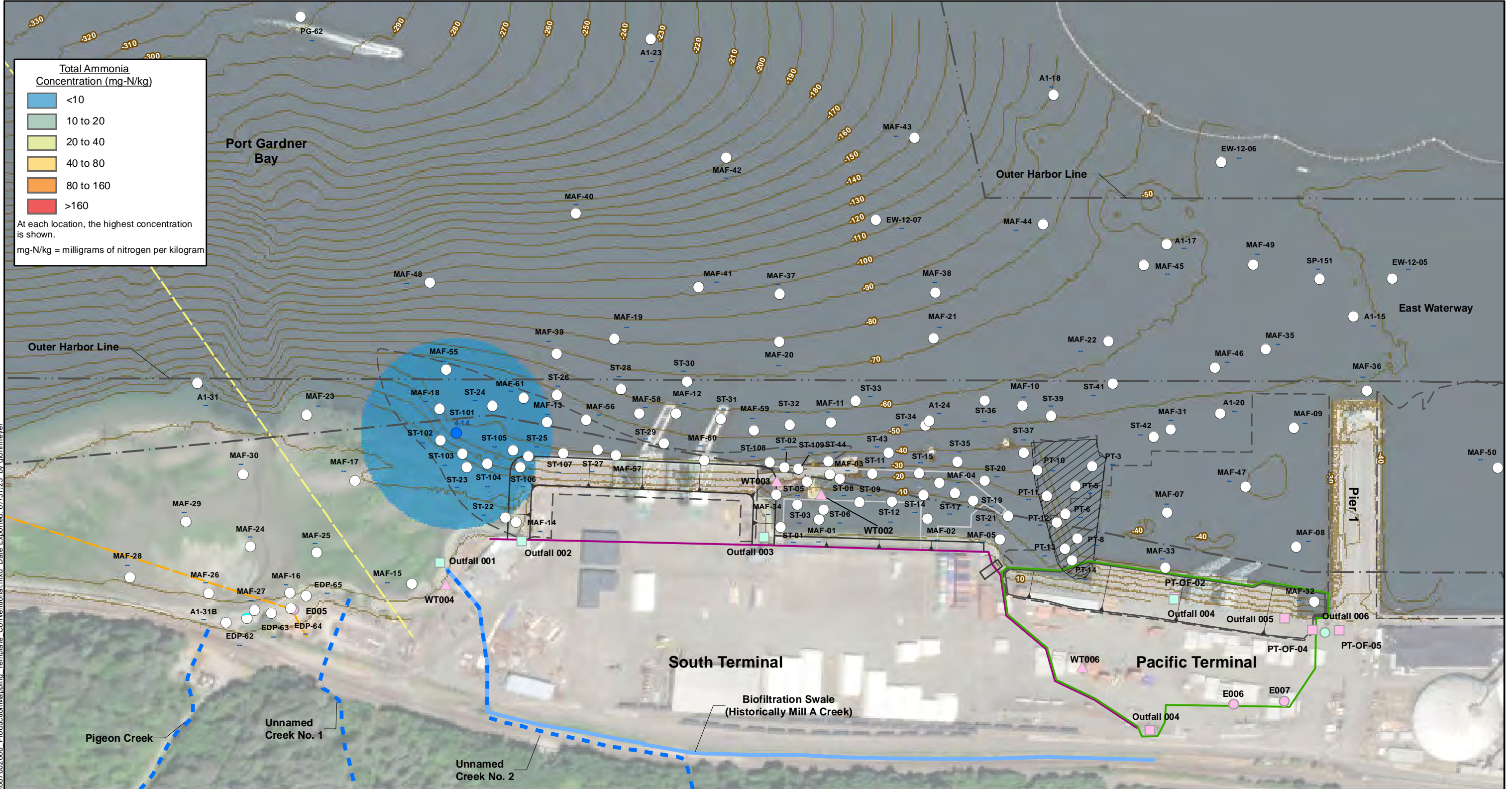
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Total Ammonia Concentration Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-51



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

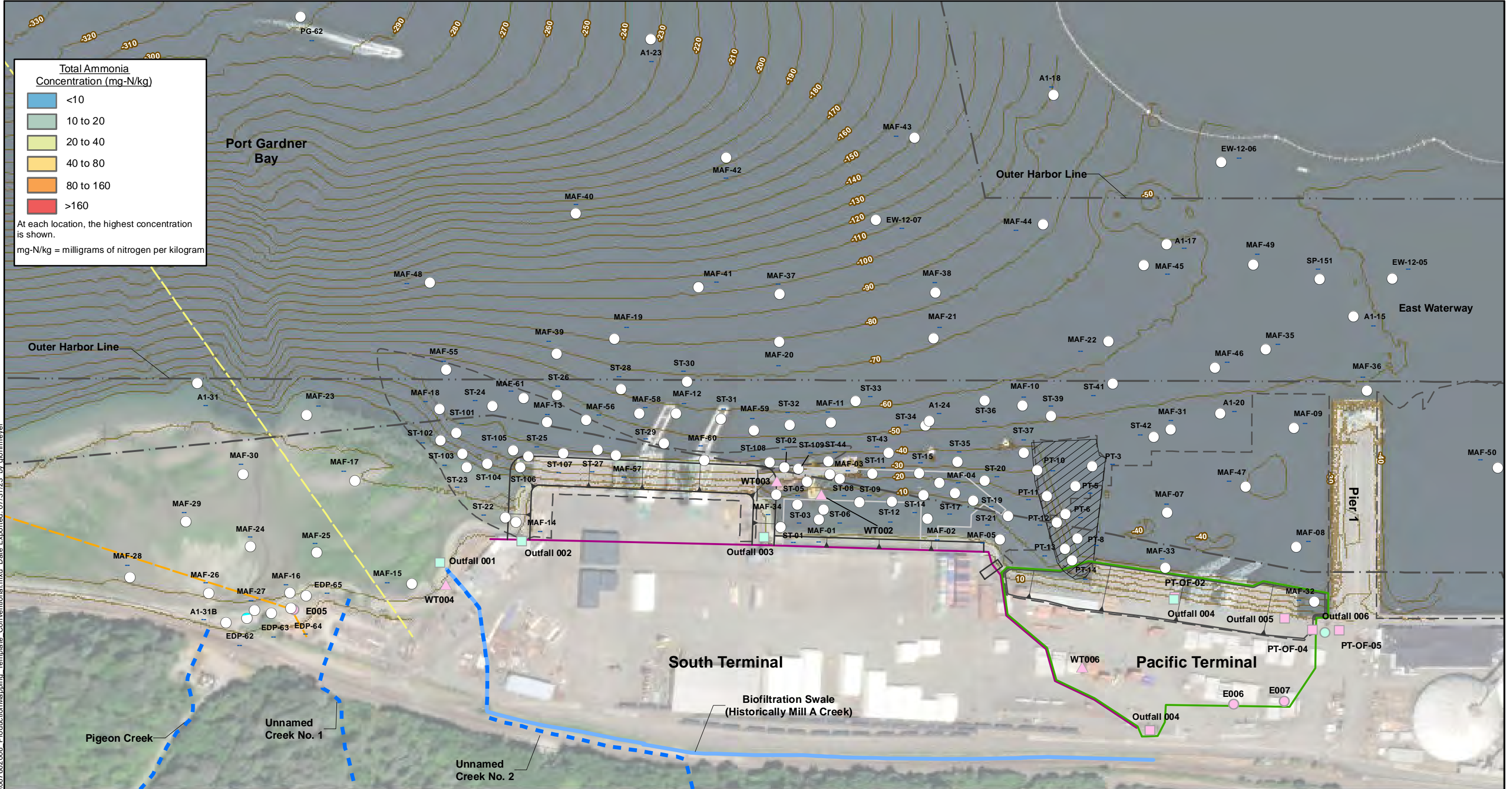
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Ammonia Concentration
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-52

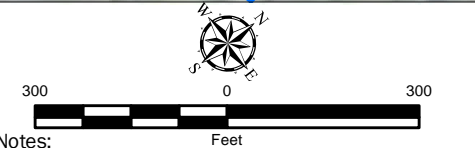


Total Ammonia Concentration (mg-N/kg)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/kg = milligrams of nitrogen per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

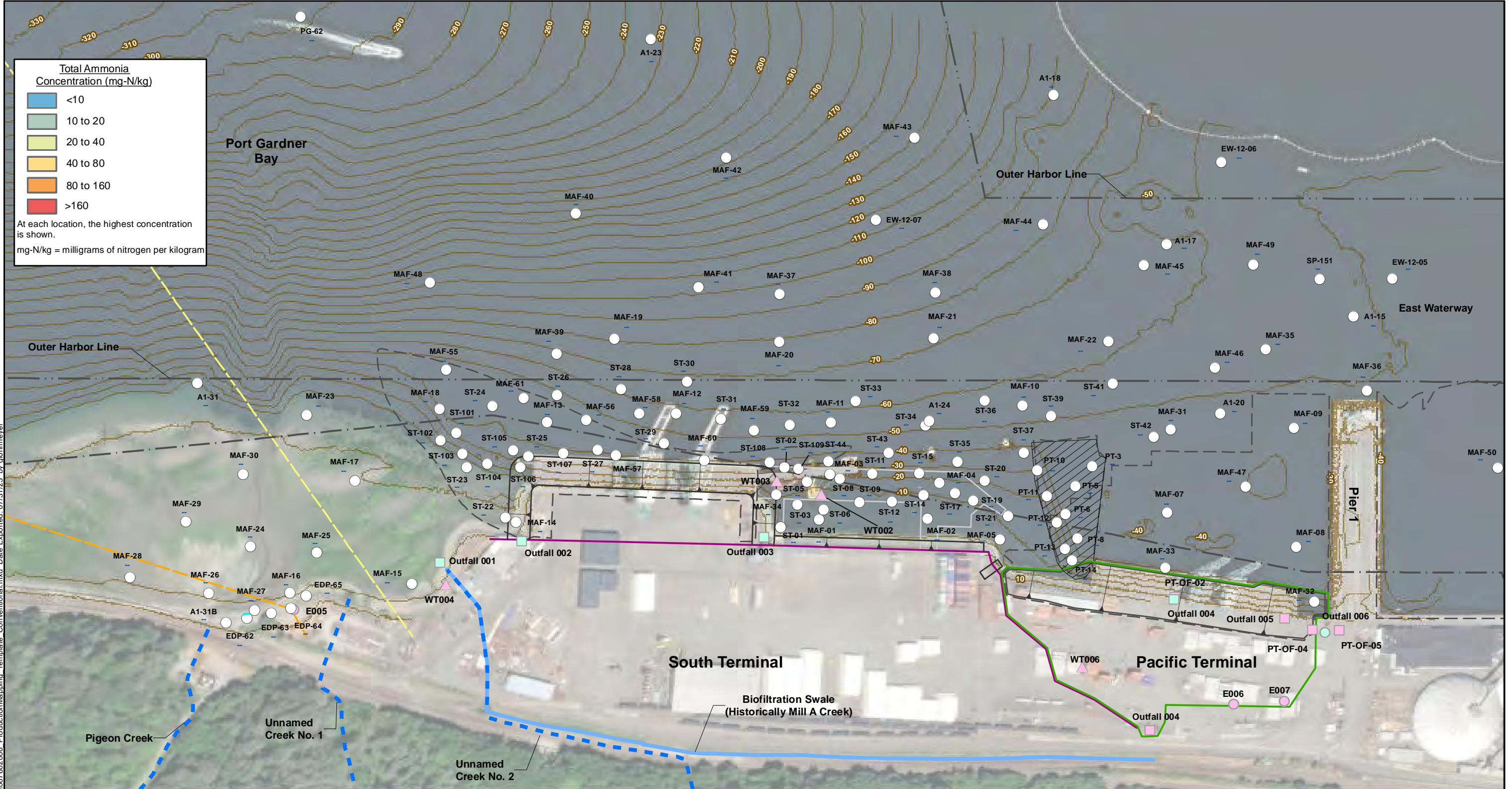
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Ammonia Concentration Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-53

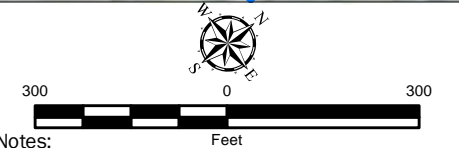


Total Ammonia Concentration (mg-N/kg)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/kg = milligrams of nitrogen per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

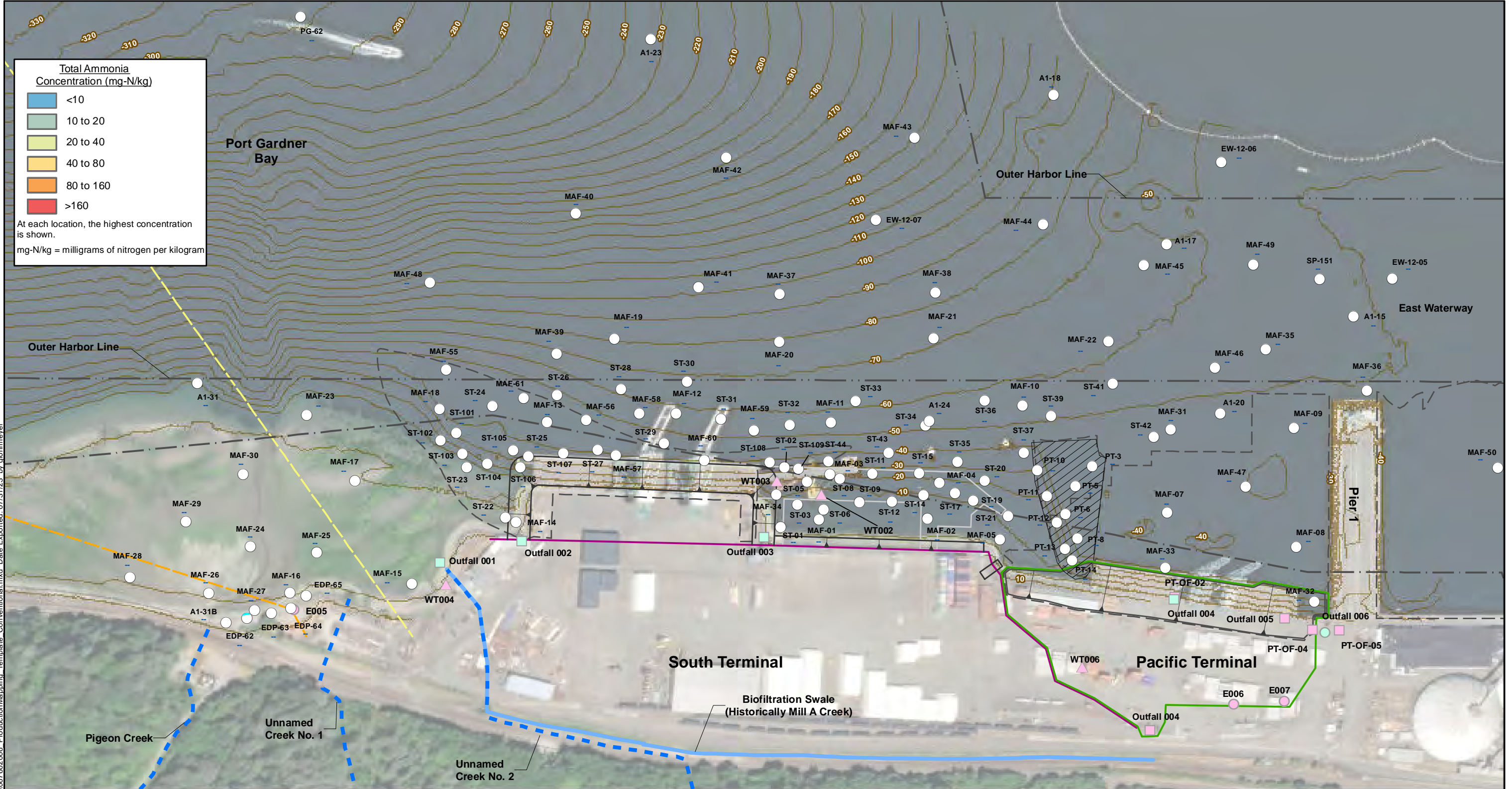
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Ammonia Concentration Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-54



Total Ammonia Concentration (mg-N/kg)

| |
|-----------|
| <10 |
| 10 to 20 |
| 20 to 40 |
| 40 to 80 |
| 80 to 160 |
| >160 |

At each location, the highest concentration is shown.
mg-N/kg = milligrams of nitrogen per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

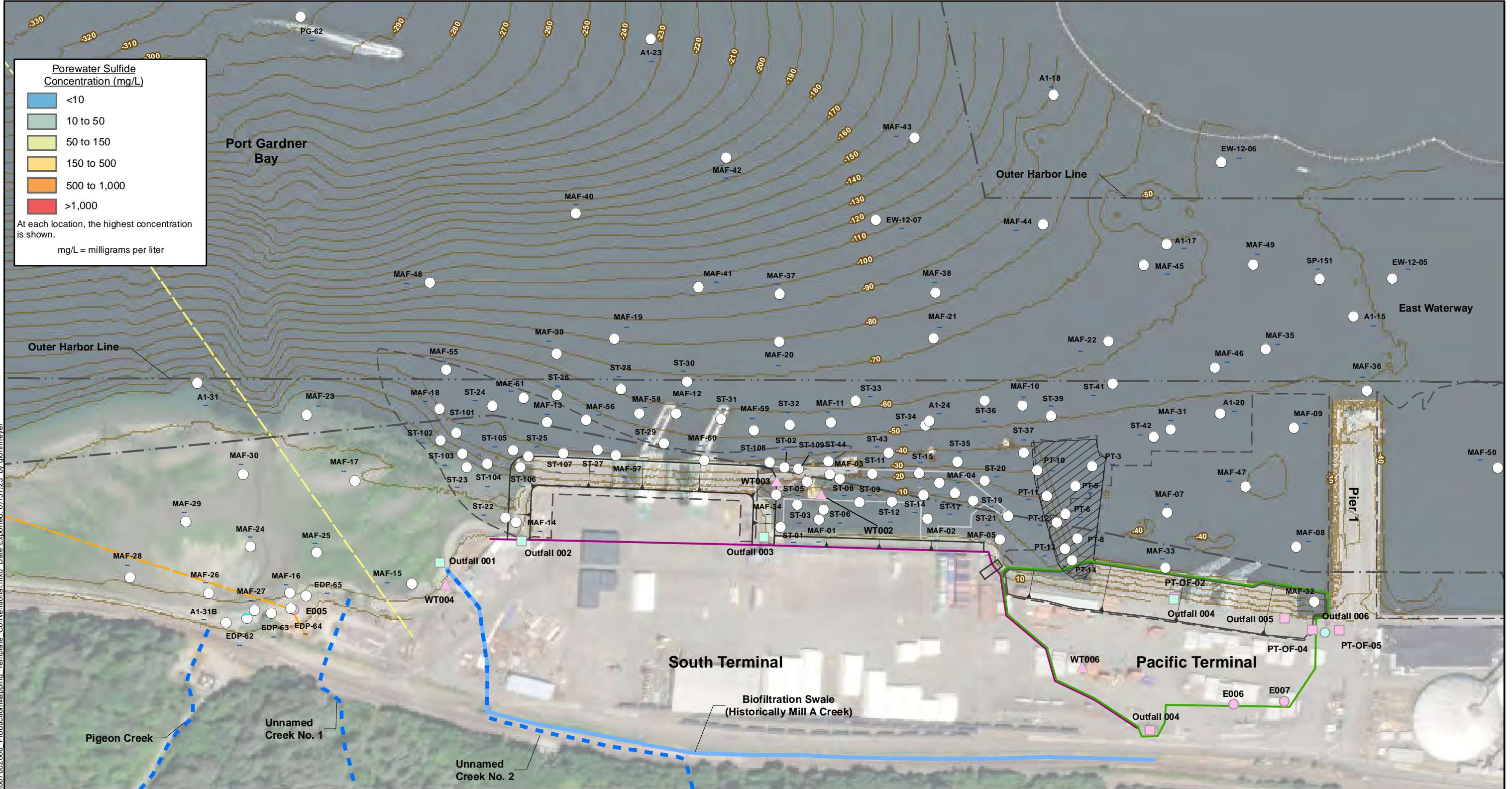
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Ammonia Concentration Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-55



Porewater Sulfide Concentration (mg/L)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/L = milligrams per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

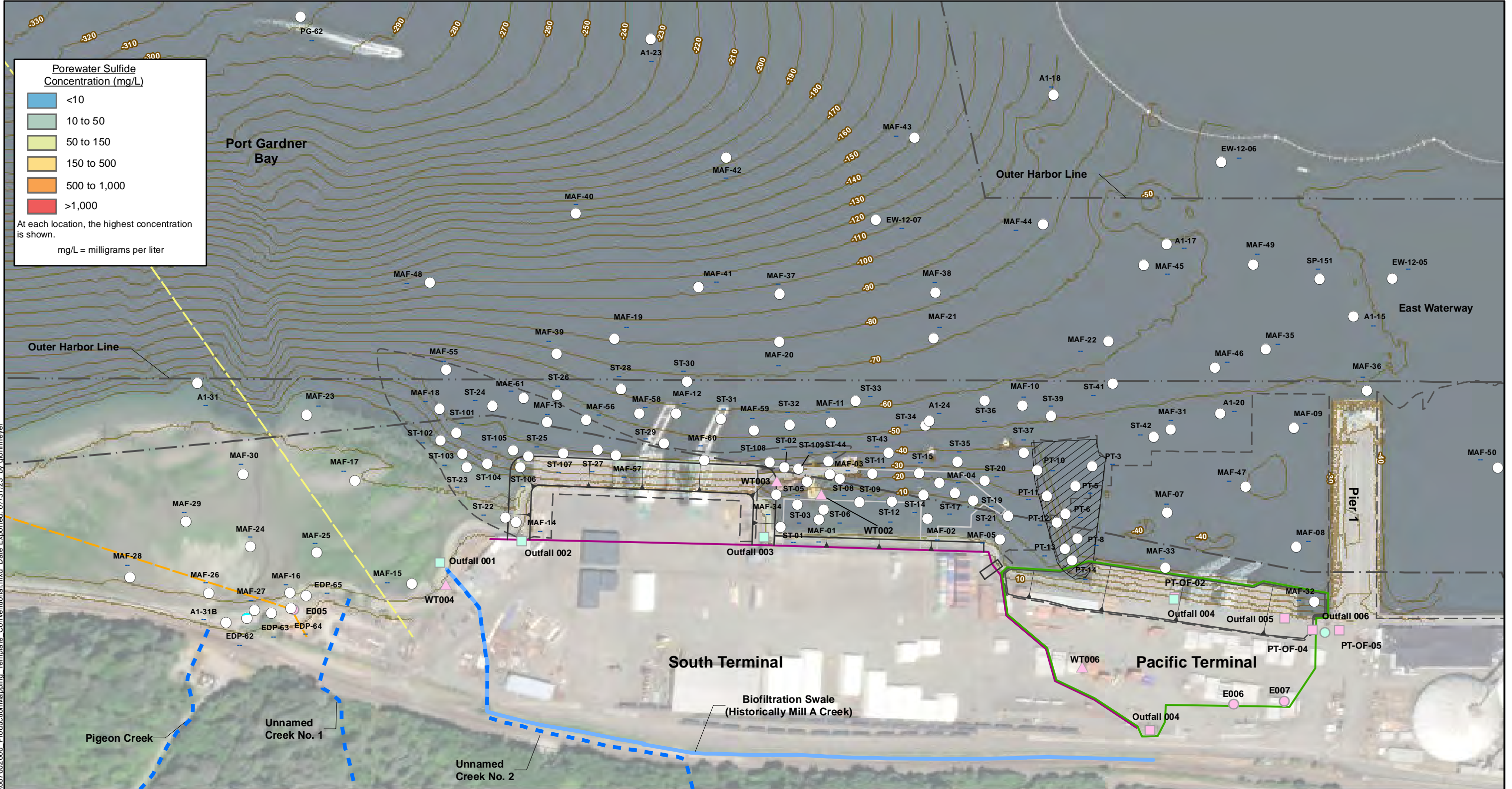
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Porewater Sulfide Concentration
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-56



Porewater Sulfide Concentration (mg/L)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/L = milligrams per liter

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

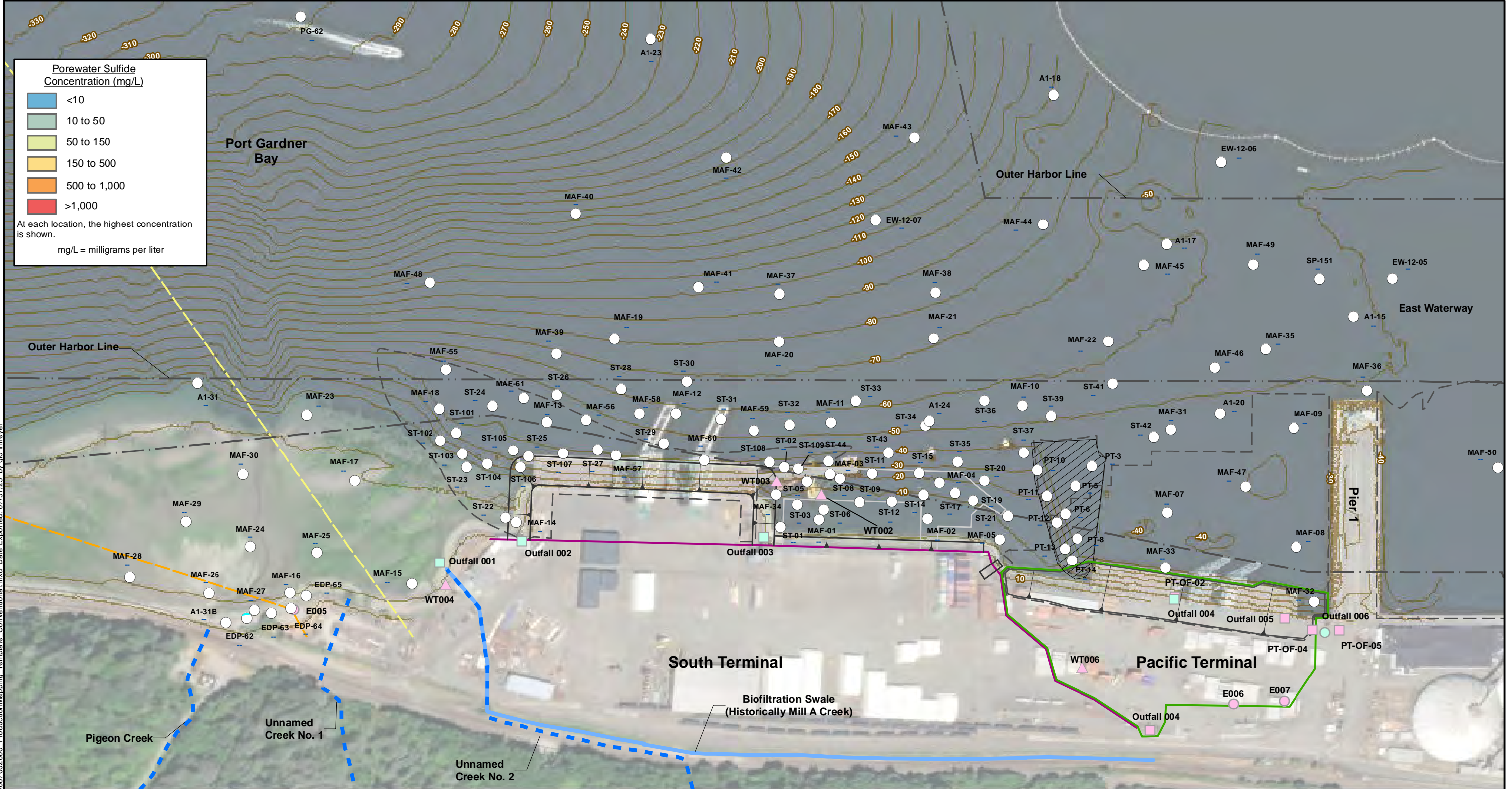
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Porewater Sulfide Concentration
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-57



Porewater Sulfide Concentration (mg/L)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/L = milligrams per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

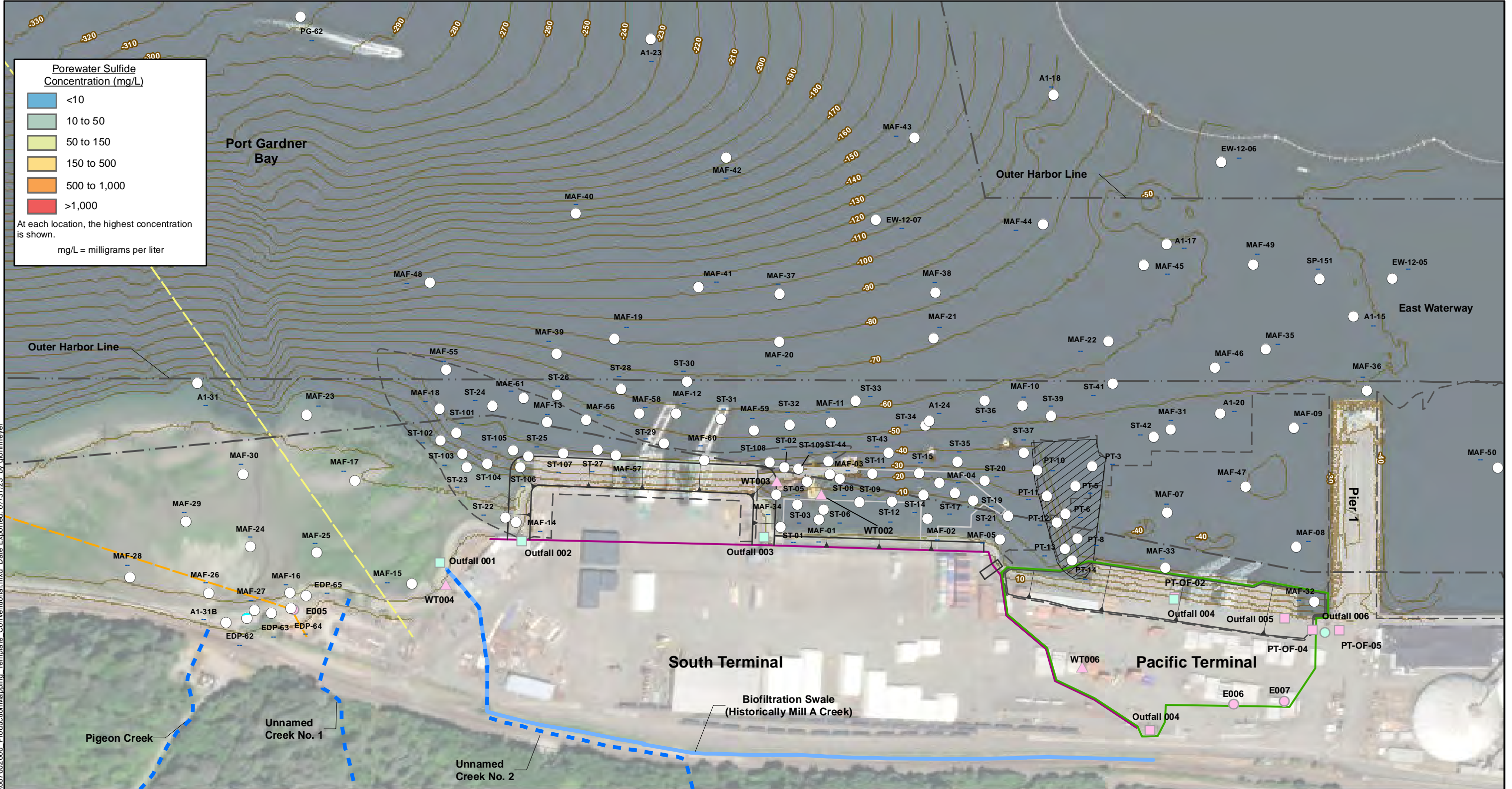
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Porewater Sulfide Concentration Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former Everett, Washington

GEOENGINEERS

Figure Q-58



Porewater Sulfide Concentration (mg/L)

- <10
- 10 to 50
- 50 to 150
- 150 to 500
- 500 to 1,000
- >1,000

At each location, the highest concentration is shown.

mg/L = milligrams per liter

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

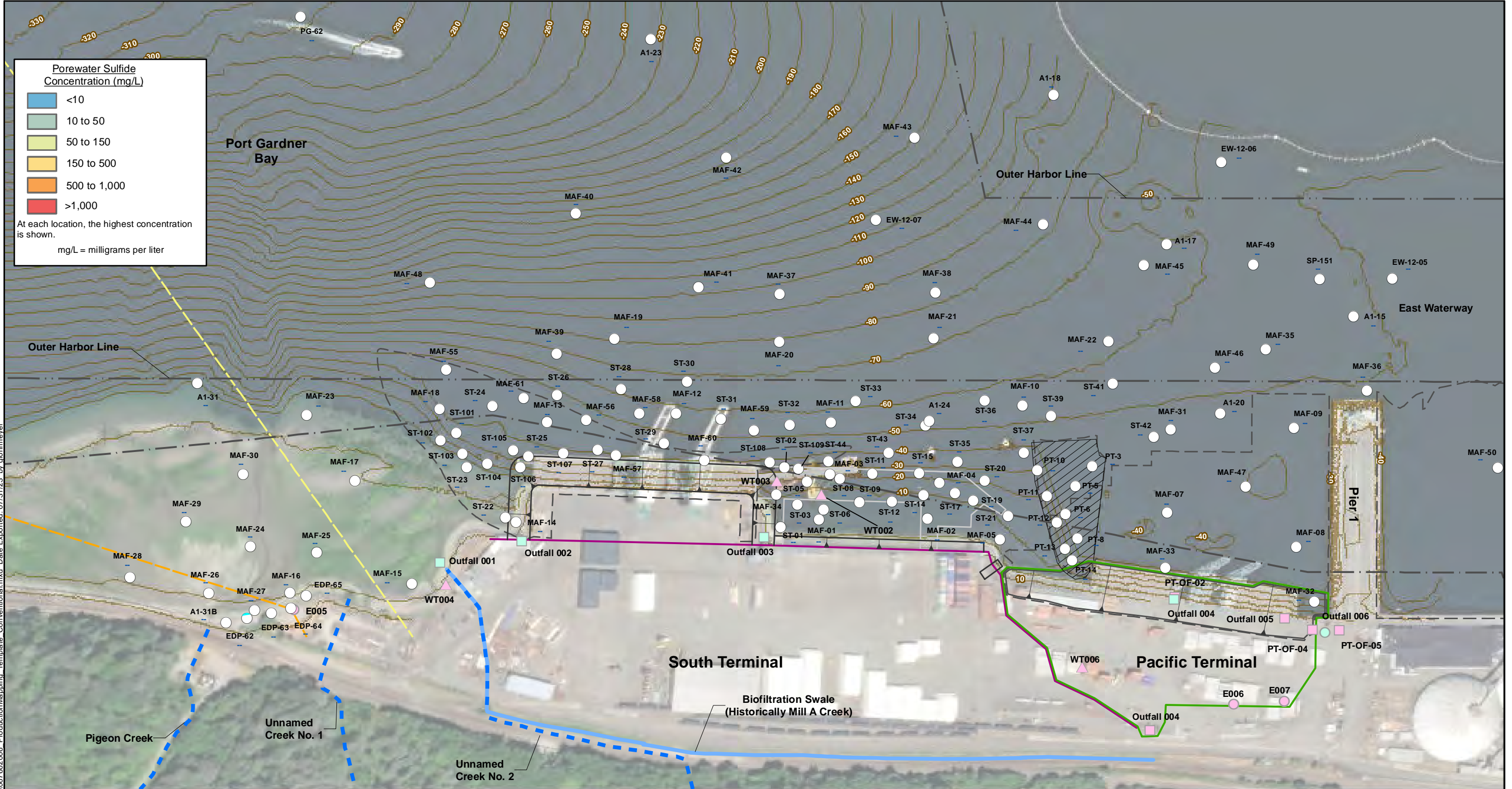
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Porewater Sulfide Concentration
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-59



Porewater Sulfide Concentration (mg/L)

- <10
- 10 to 50
- 50 to 150
- 150 to 500
- 500 to 1,000
- >1,000

At each location, the highest concentration is shown.

mg/L = milligrams per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

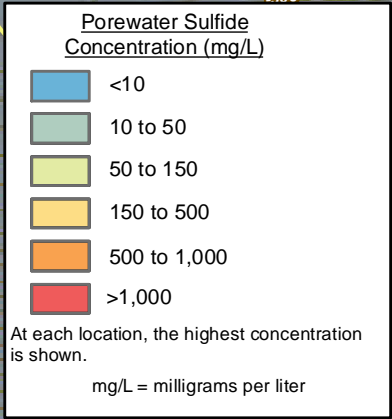
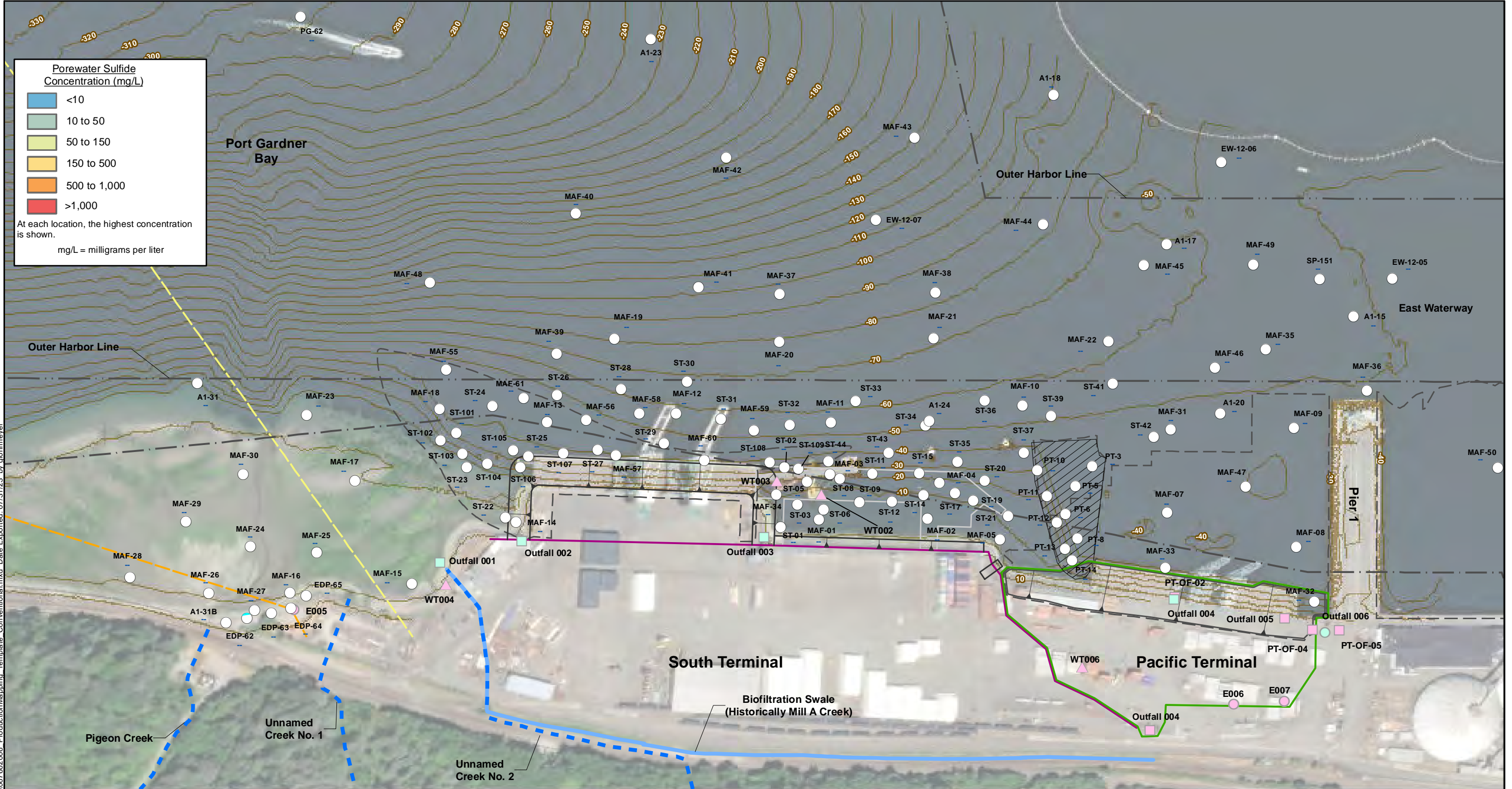
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Porewater Sulfide Concentration
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-60



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

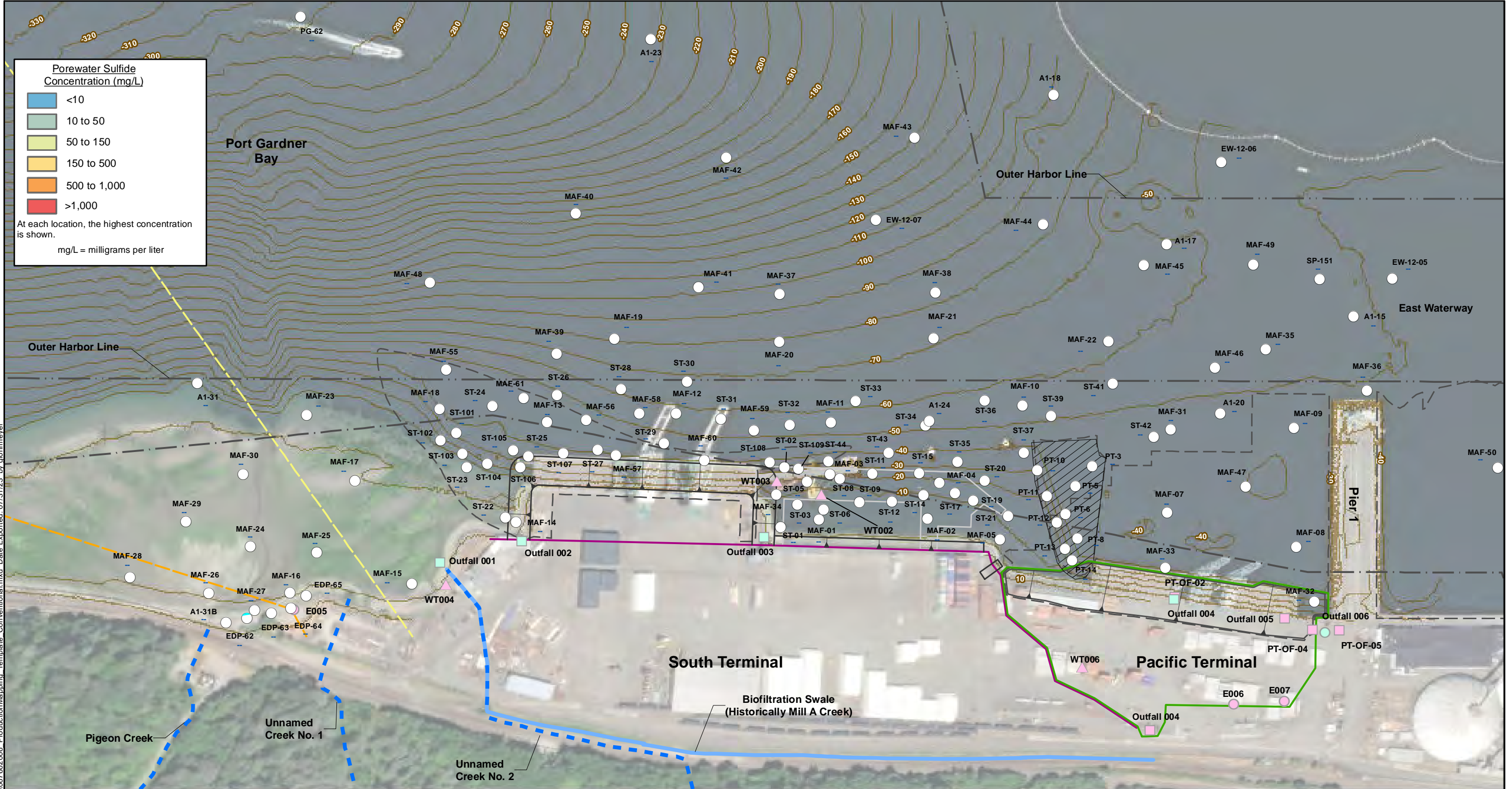
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Porewater Sulfide Concentration Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former Everett, Washington

GEOENGINEERS

Figure Q-61



Porewater Sulfide Concentration (mg/L)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/L = milligrams per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

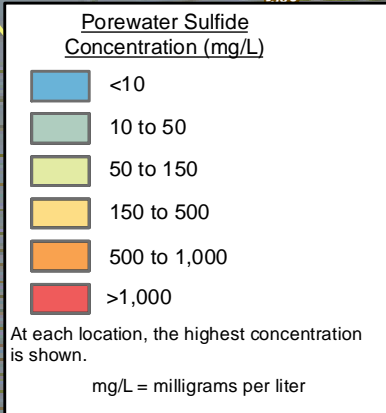
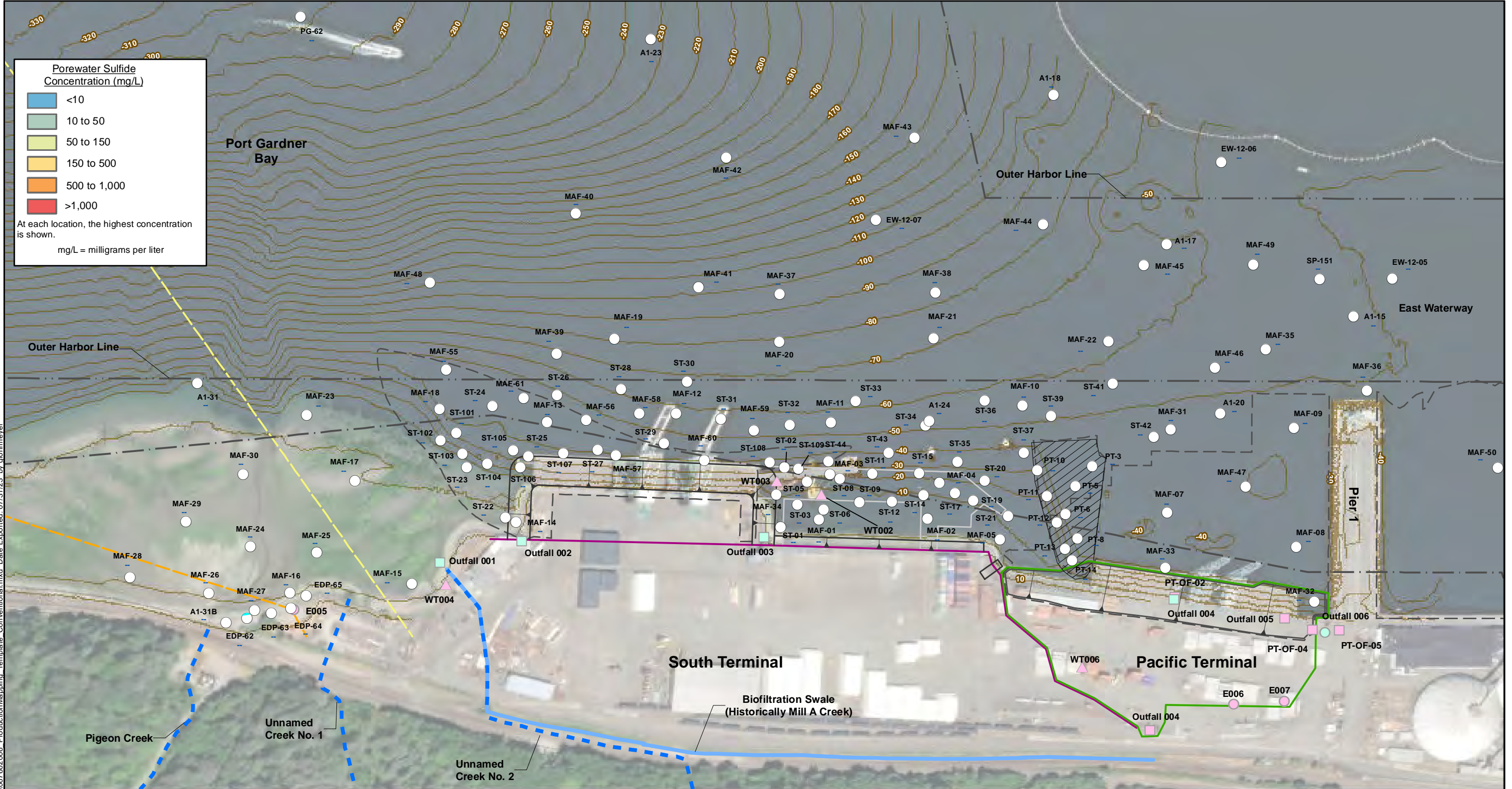
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Porewater Sulfide Concentration Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-62



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

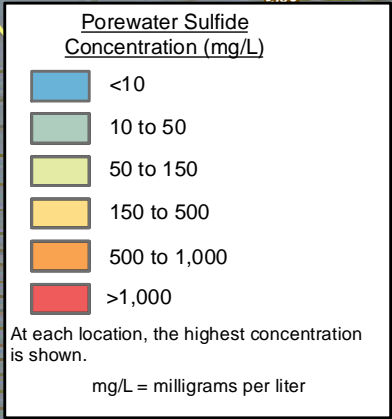
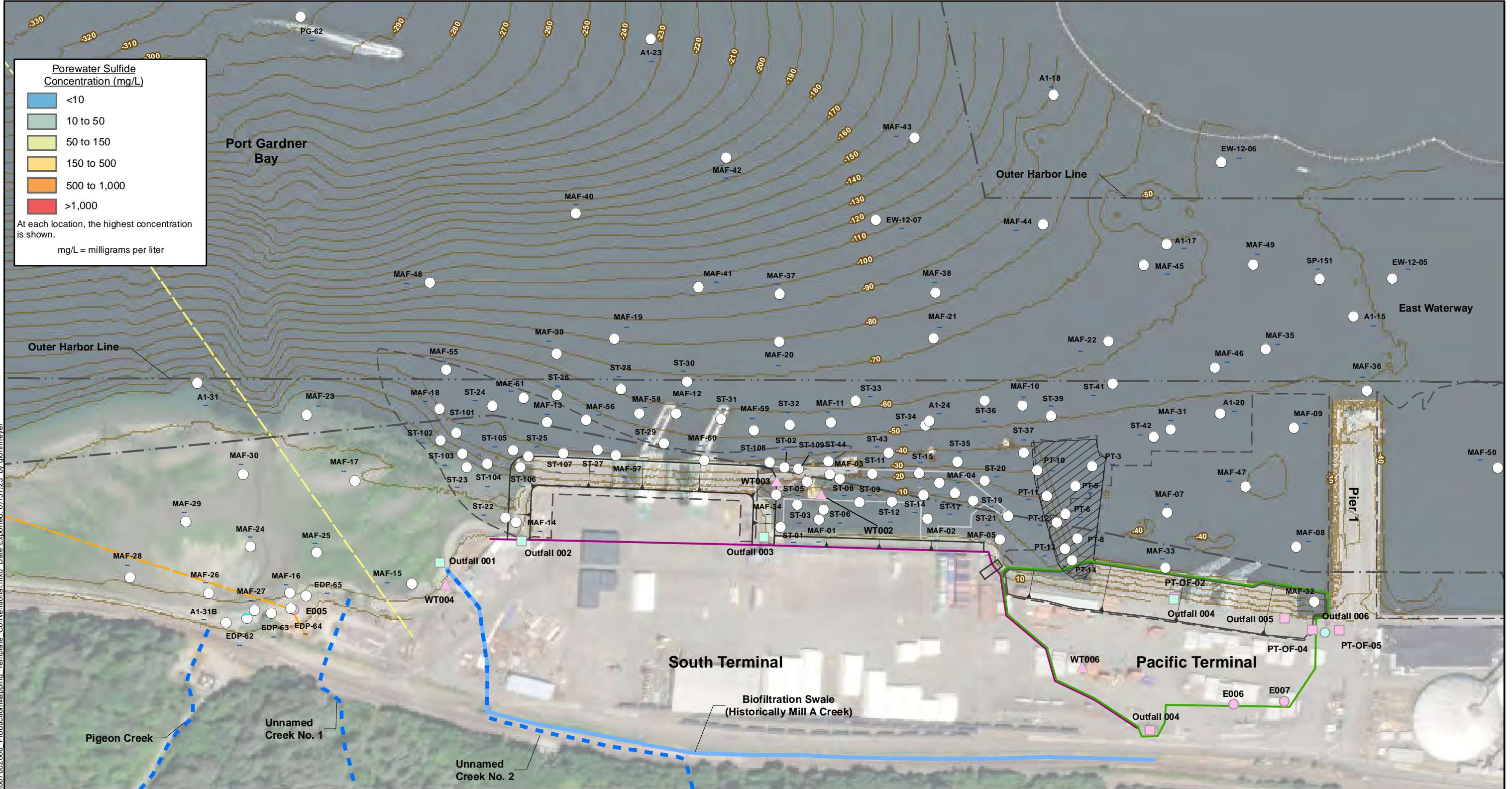
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Porewater Sulfide Concentration Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-63



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

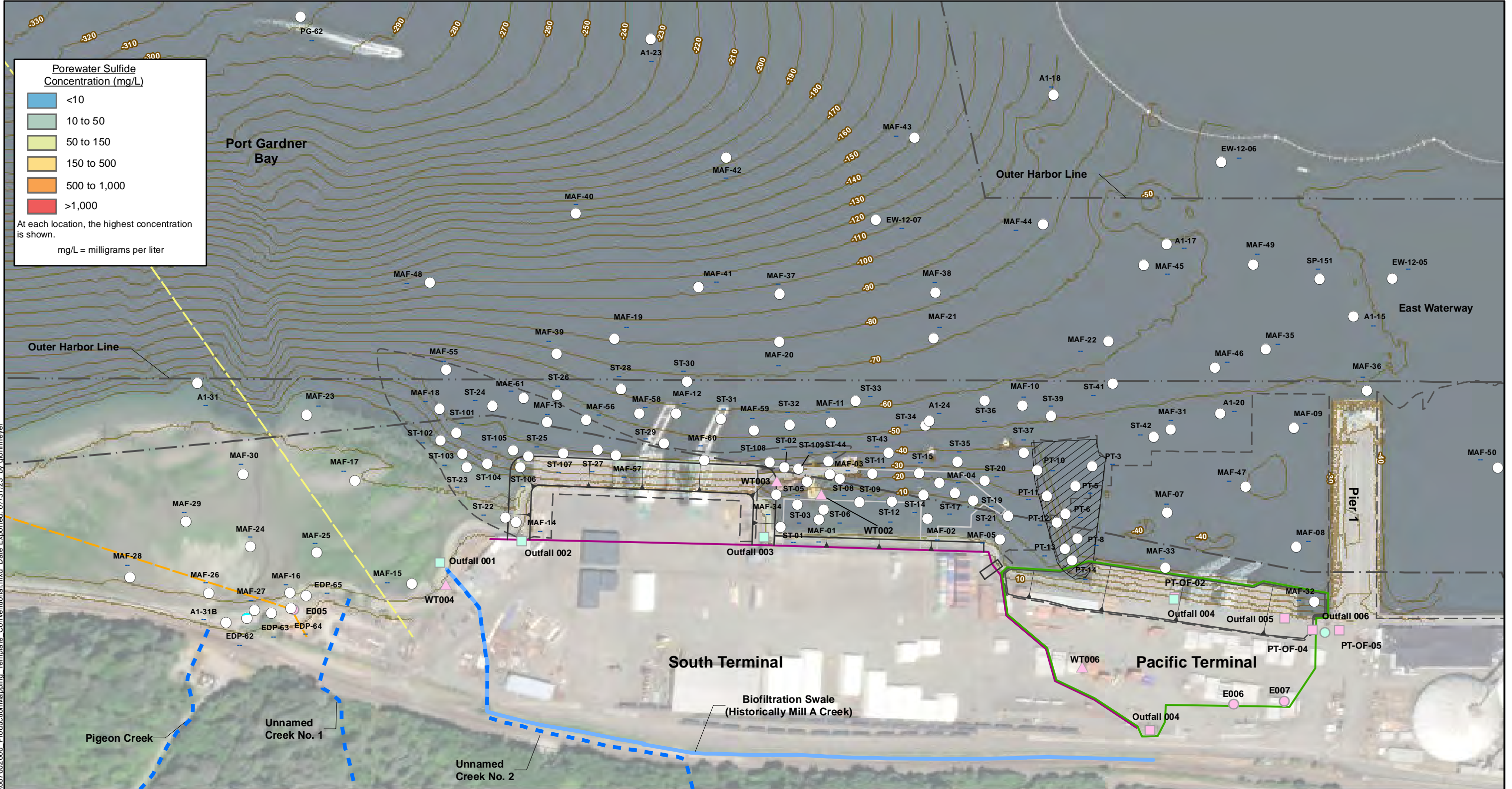
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Porewater Sulfide Concentration
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-64



Porewater Sulfide Concentration (mg/L)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/L = milligrams per liter

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
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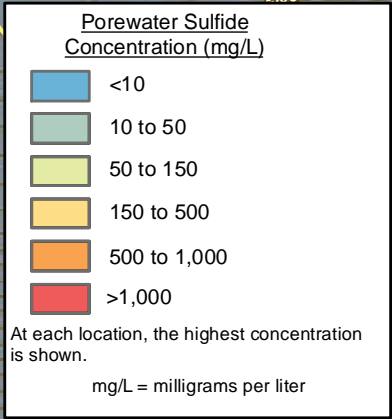
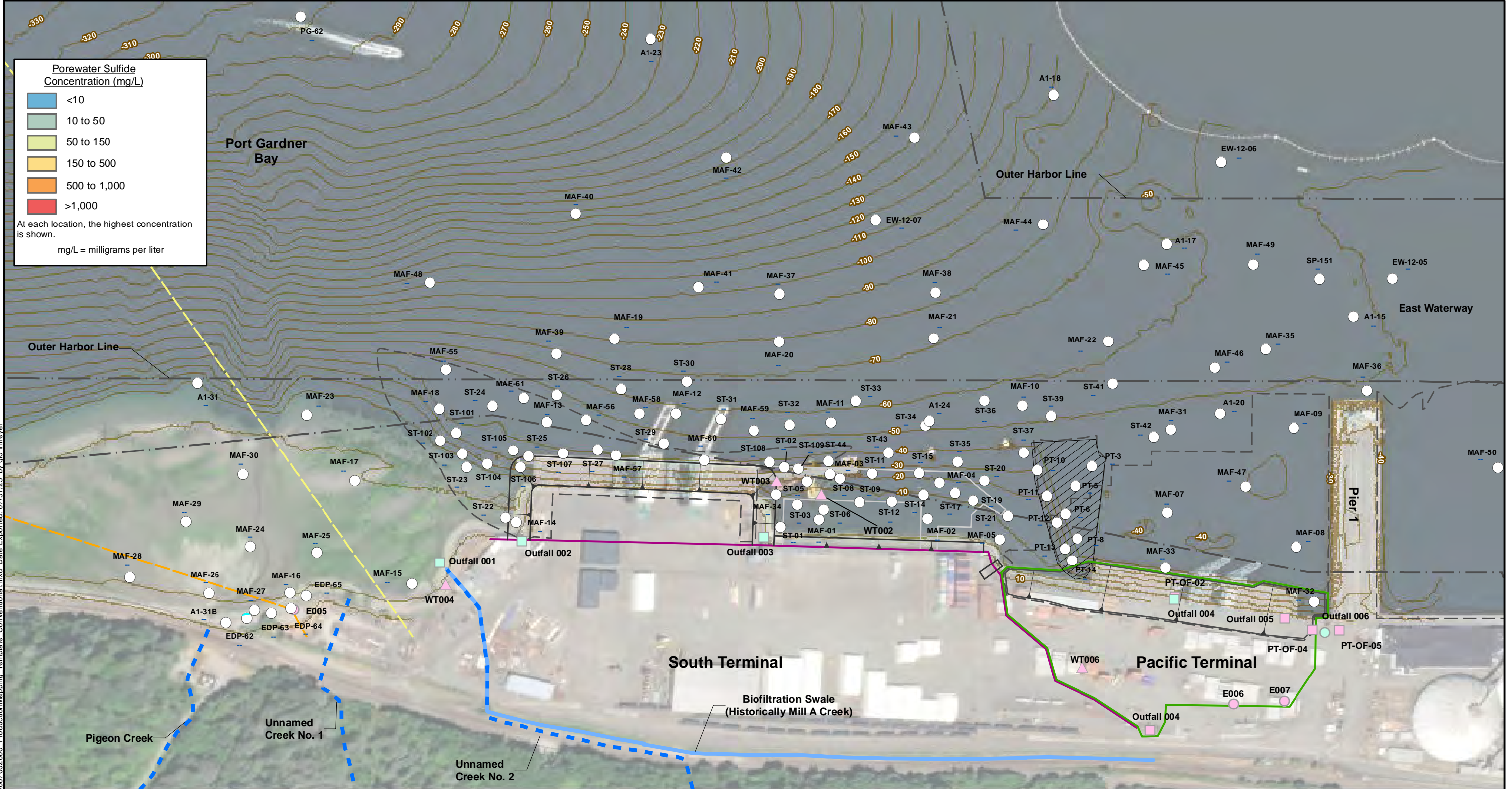
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Porewater Sulfide Concentration Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-65



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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
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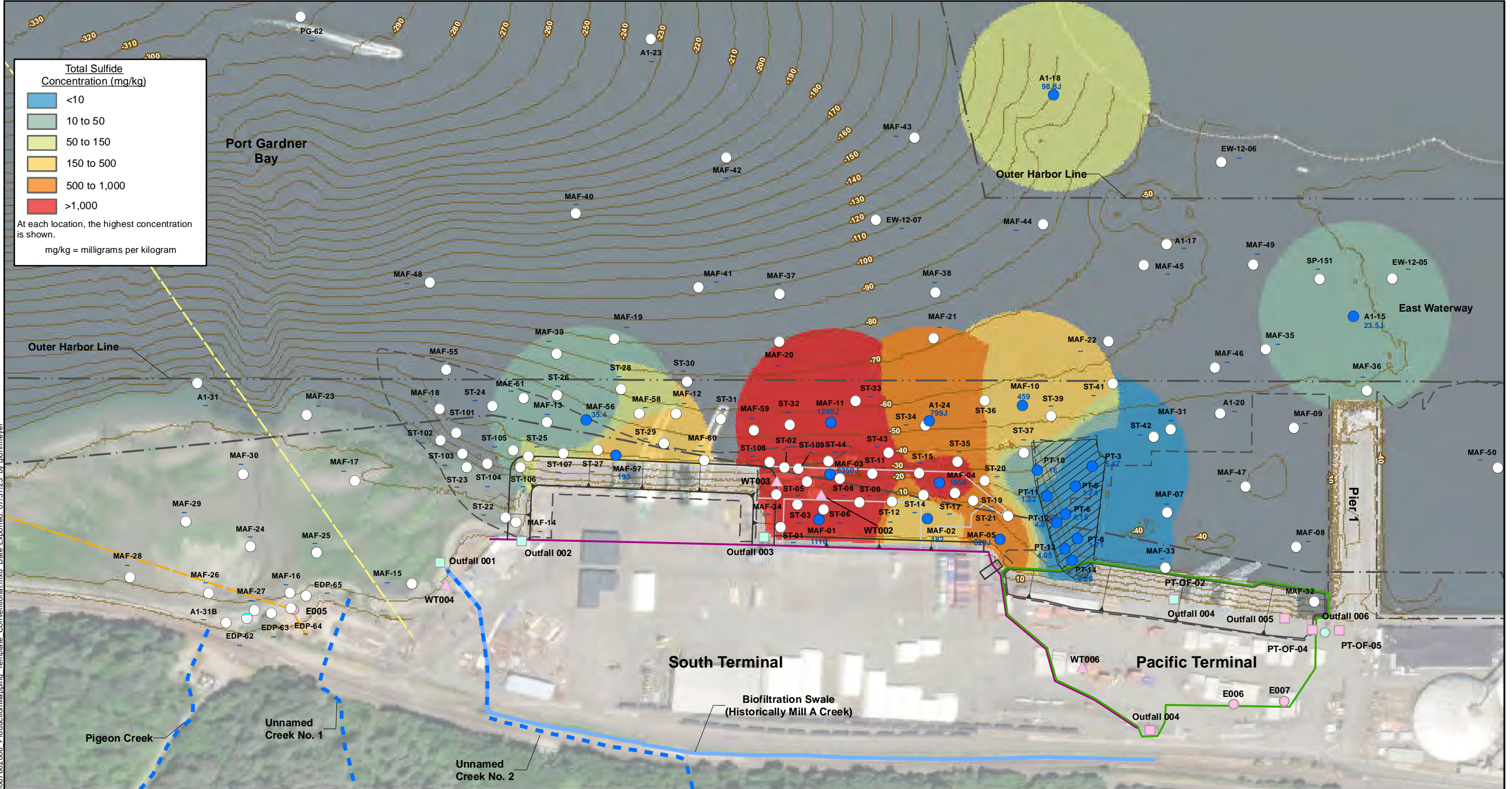
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Porewater Sulfide Concentration
Subsurface Sediment (20-22 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-66



Total Sulfide Concentration (mg/kg)

- <10
- 10 to 50
- 50 to 150
- 150 to 500
- 500 to 1,000
- >1,000

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

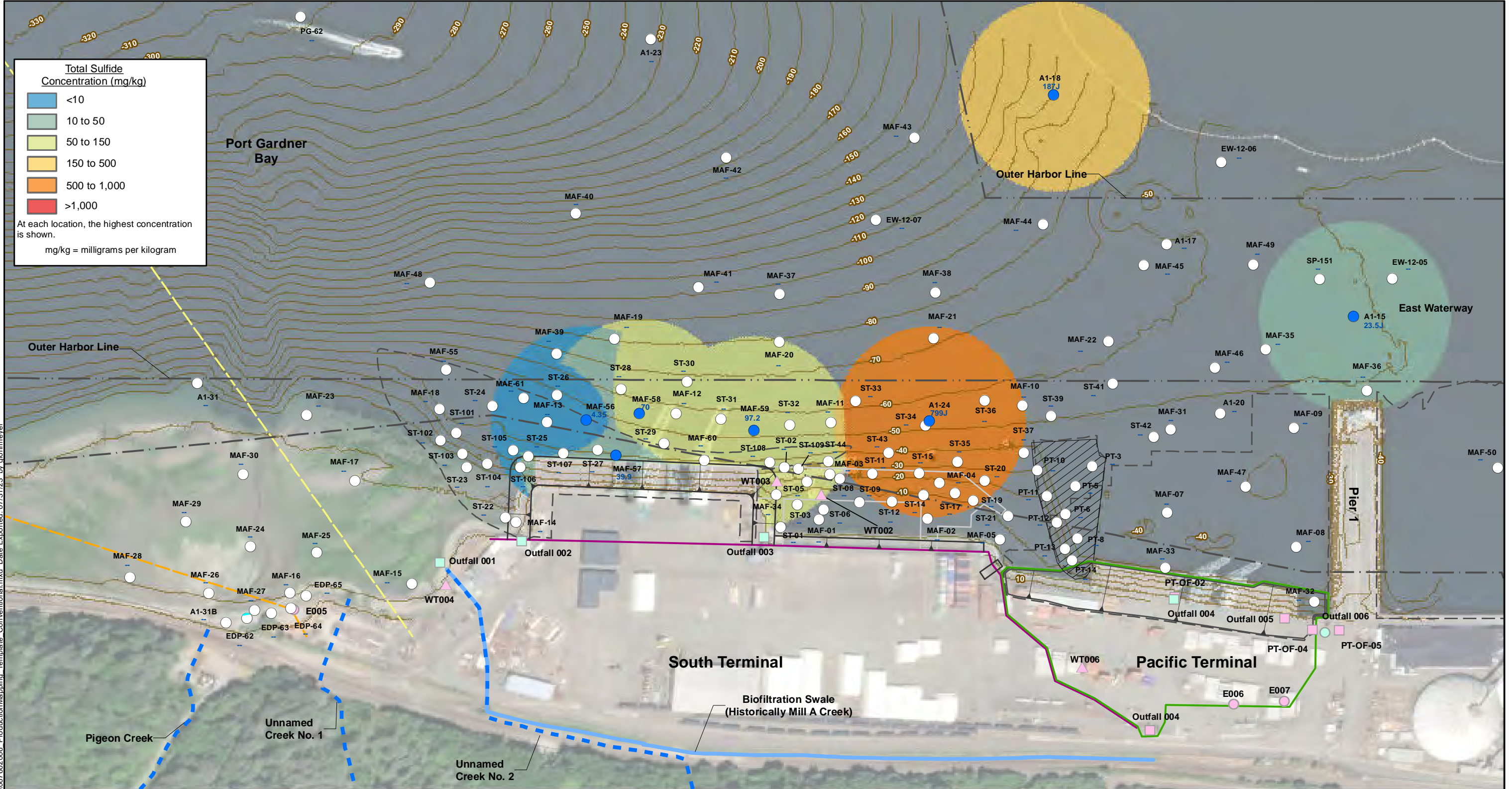
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Sulfide Concentration
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-67



Total Sulfide Concentration (mg/kg)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

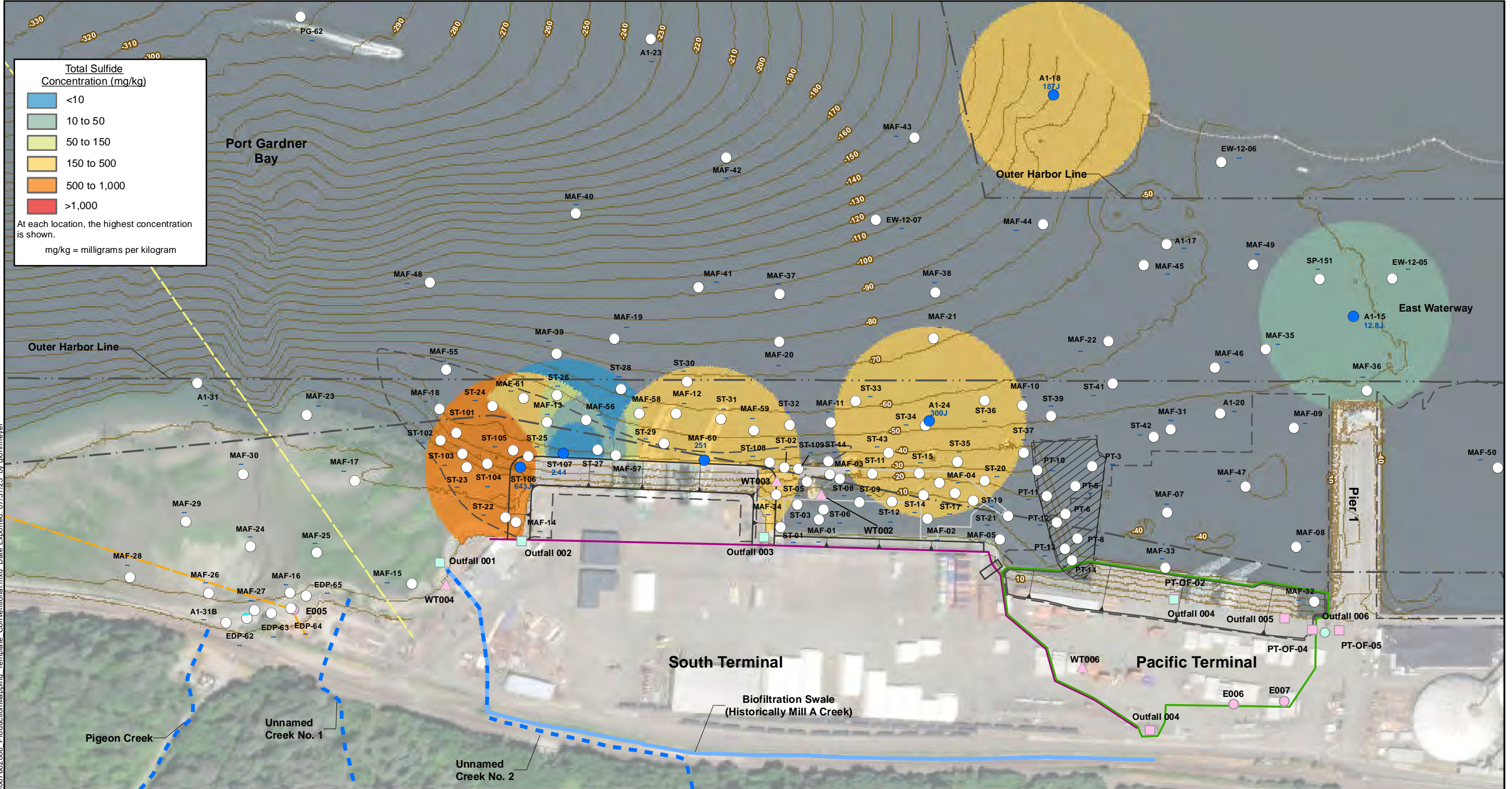
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Sulfide Concentration Subsurface Sediment (2-4 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-68



Total Sulfide Concentration (mg/kg)

- <10
- 10 to 50
- 50 to 150
- 150 to 500
- 500 to 1,000
- >1,000

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

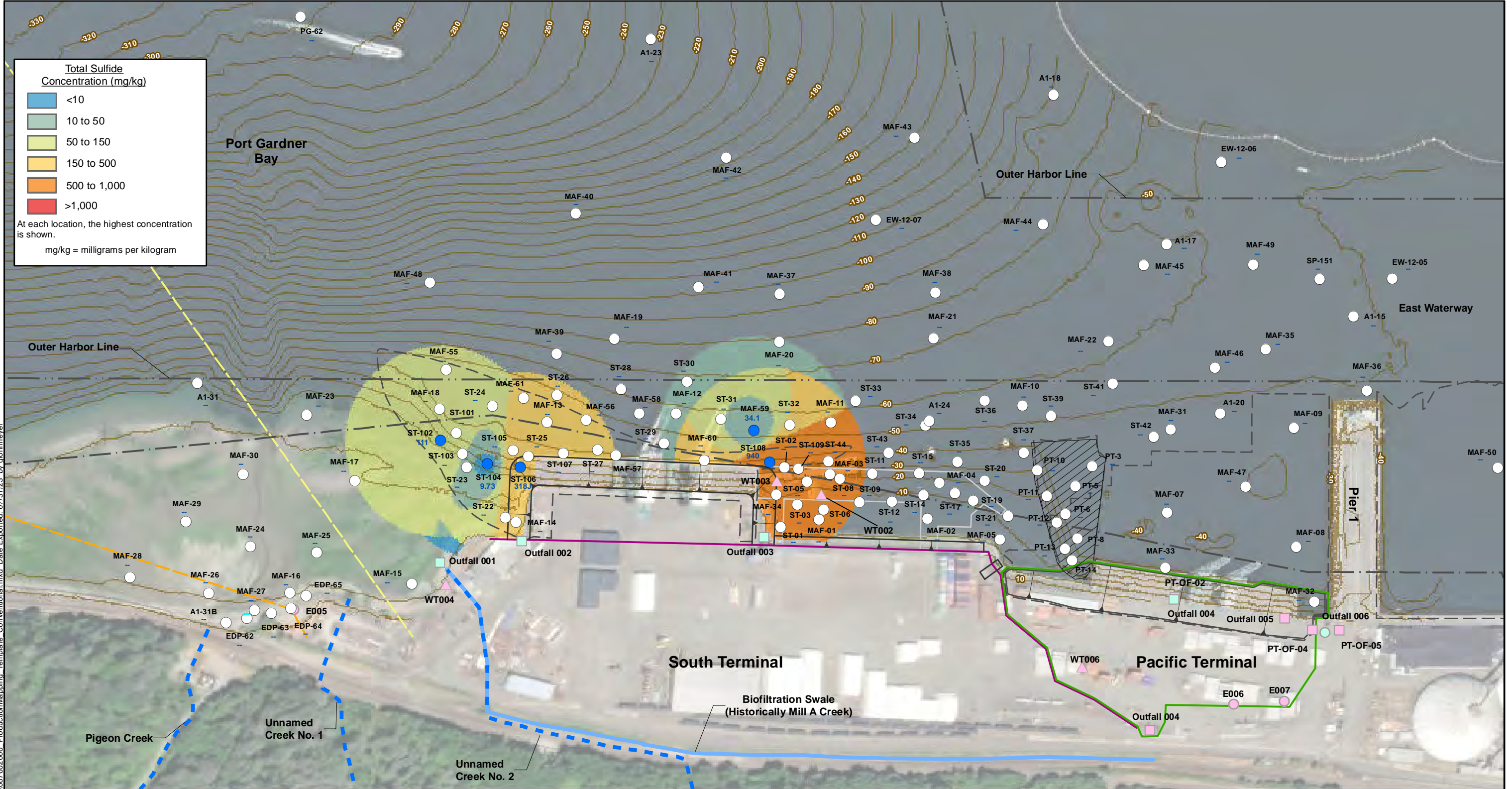
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Sulfide Concentration
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-69



Total Sulfide Concentration (mg/kg)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

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- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

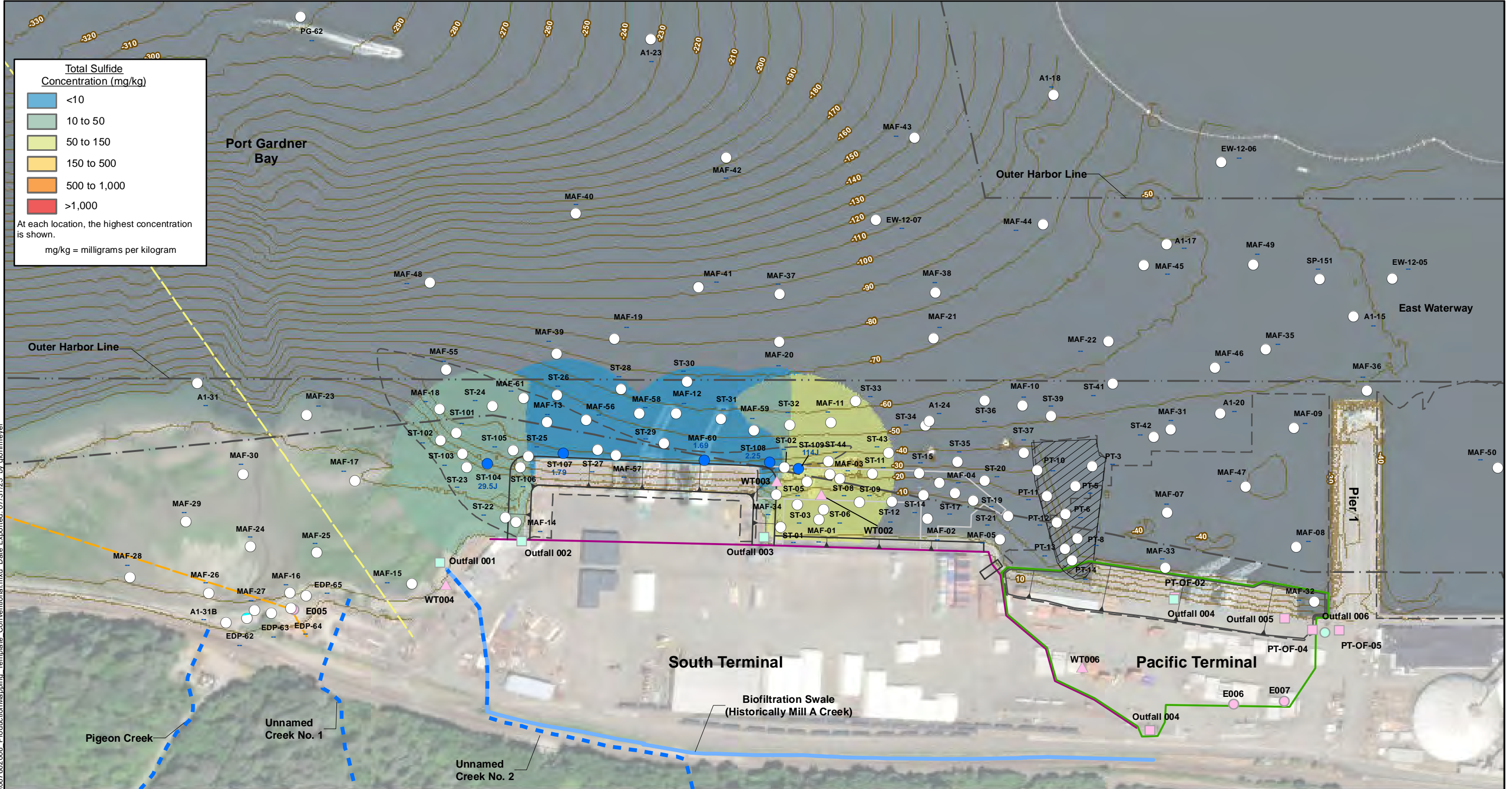
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Total Sulfide Concentration
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-70



Total Sulfide Concentration (mg/kg)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

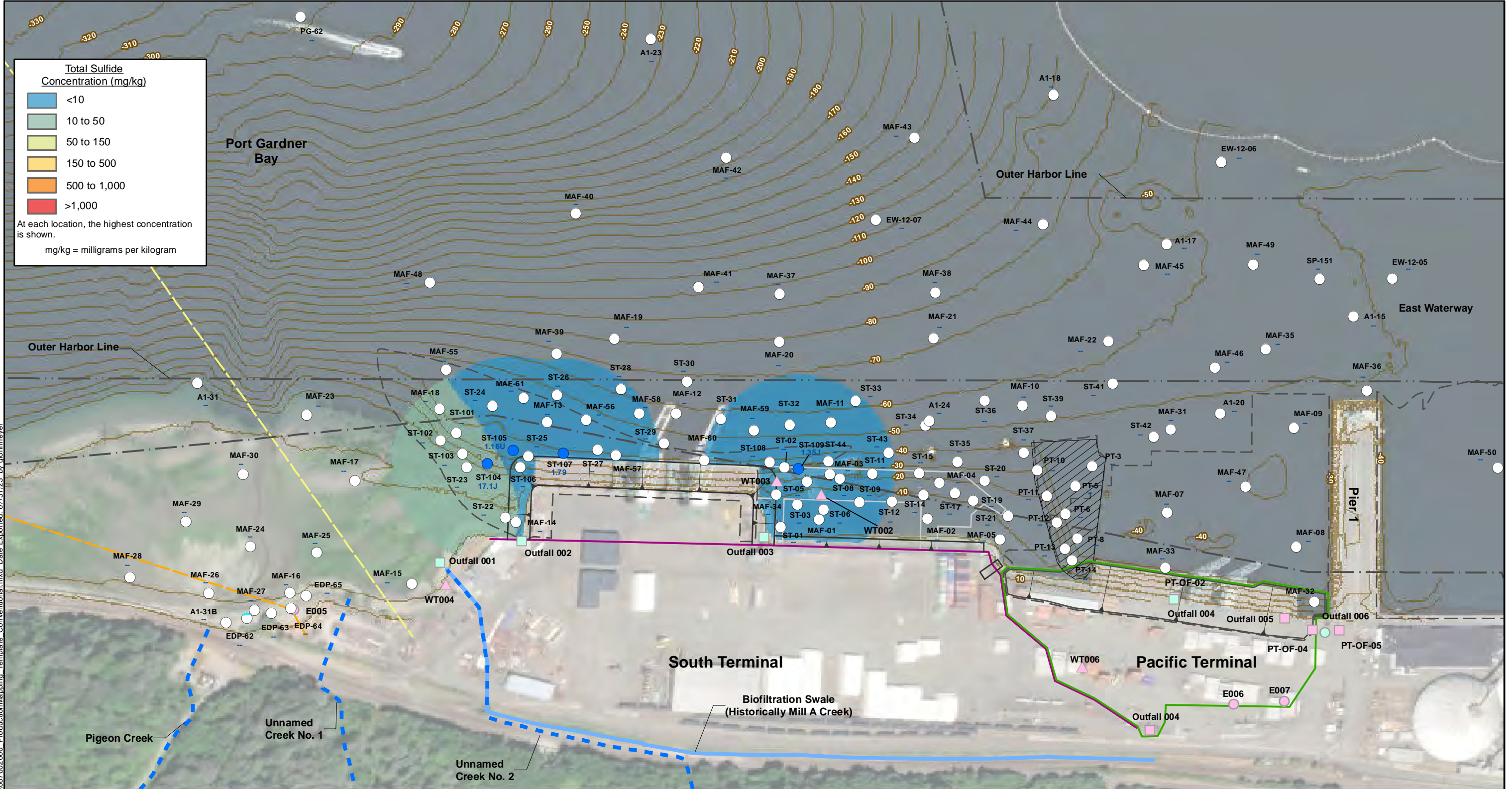
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Sulfide Concentration Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-71



Total Sulfide Concentration (mg/kg)

- <10
- 10 to 50
- 50 to 150
- 150 to 500
- 500 to 1,000
- >1,000

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

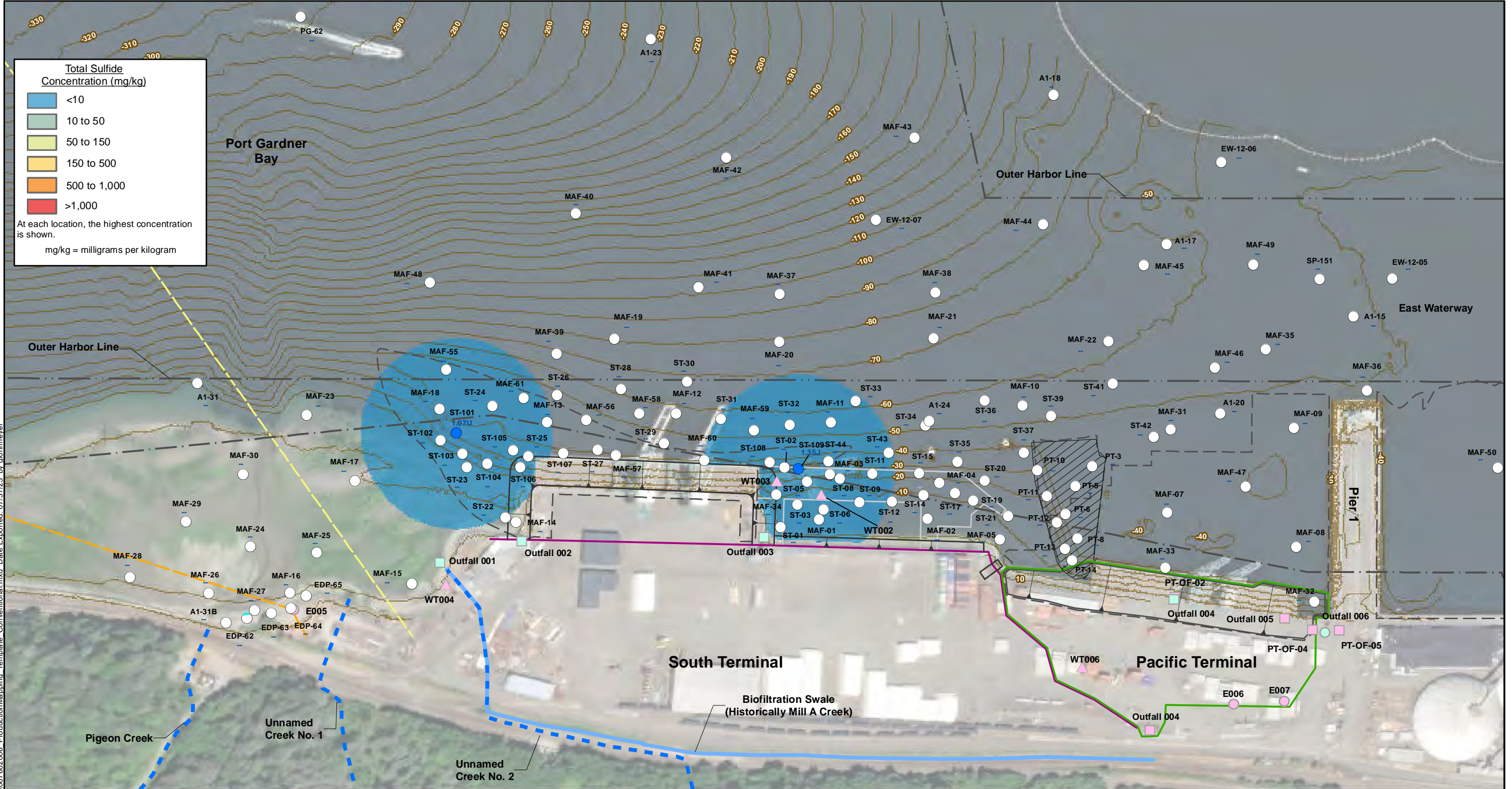
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Total Sulfide Concentration
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-72



Total Sulfide Concentration (mg/kg)

- <10
- 10 to 50
- 50 to 150
- 150 to 500
- 500 to 1,000
- >1,000

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

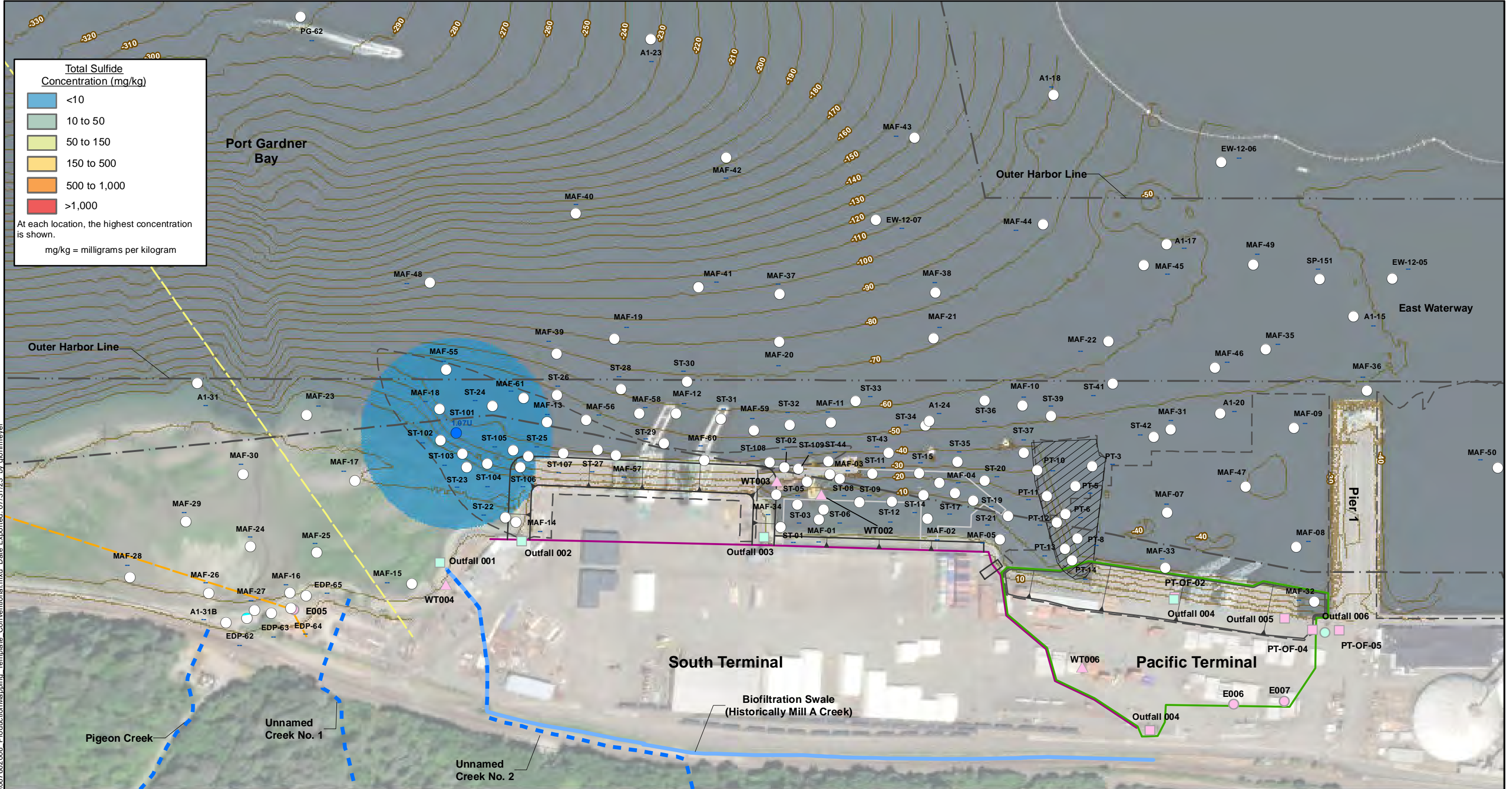
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total Sulfide Concentration
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-73



Total Sulfide Concentration (mg/kg)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

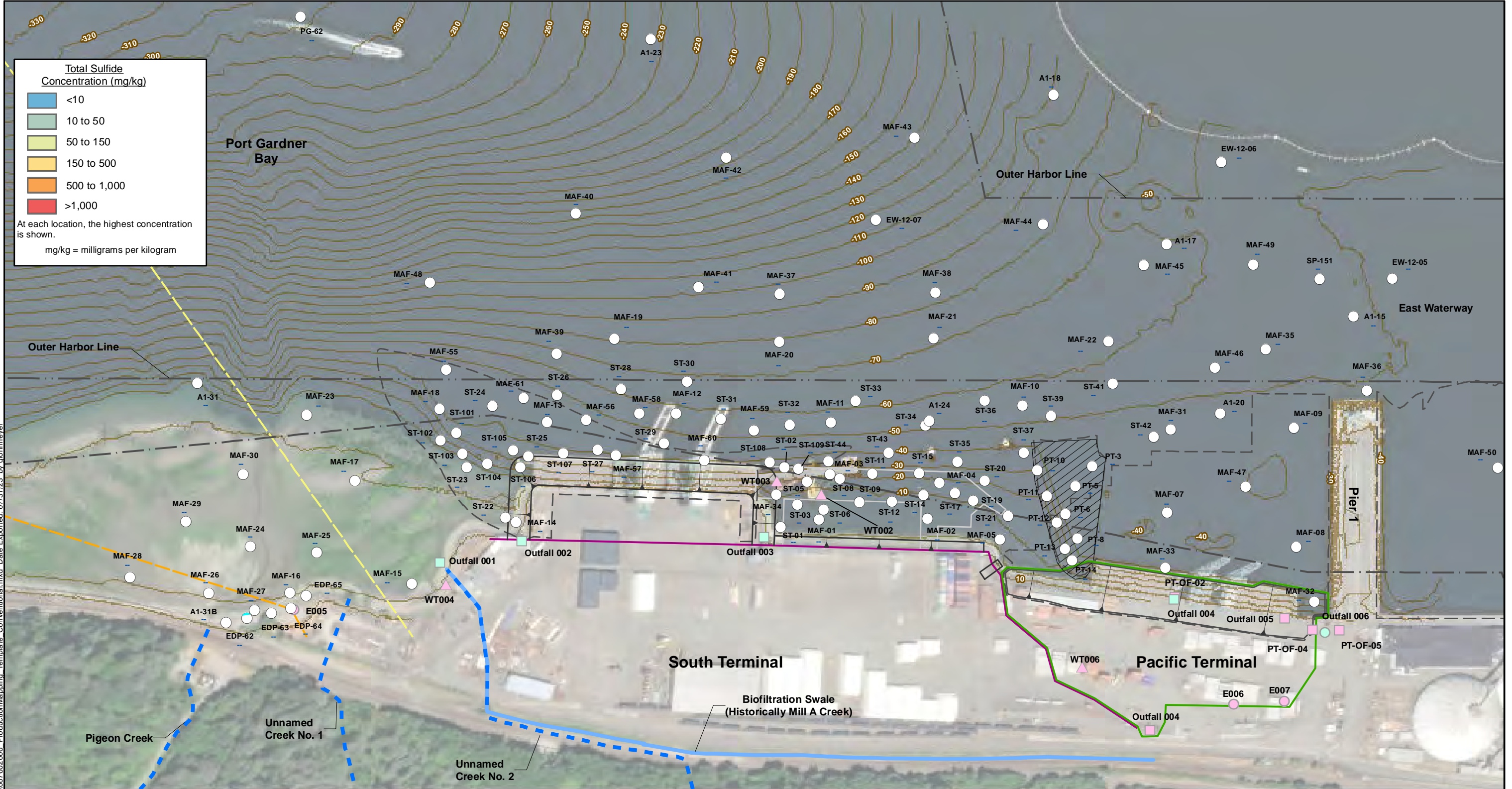
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Sulfide Concentration Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-74



Total Sulfide Concentration (mg/kg)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

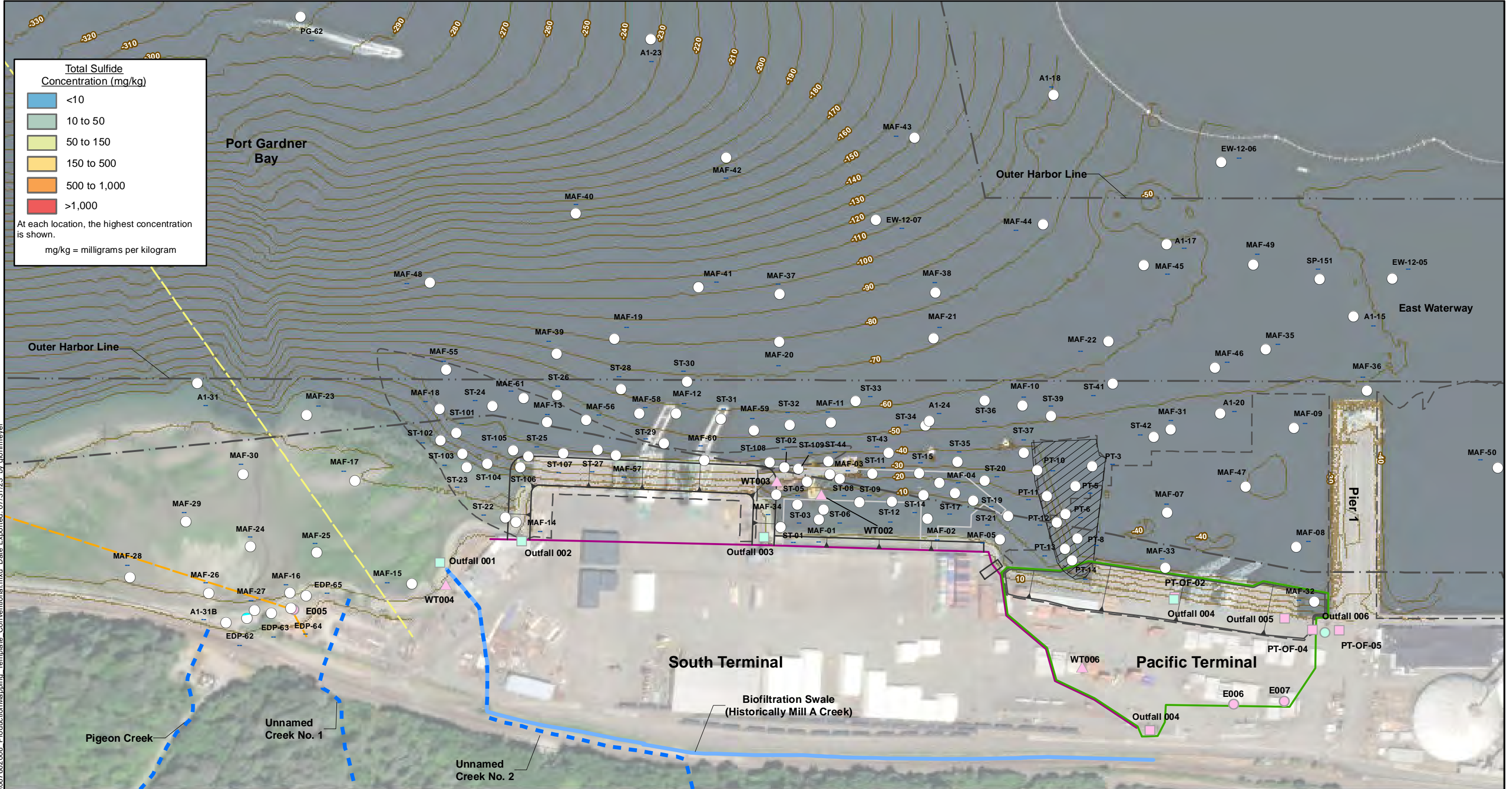
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Sulfide Concentration Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-75



Total Sulfide Concentration (mg/kg)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

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- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

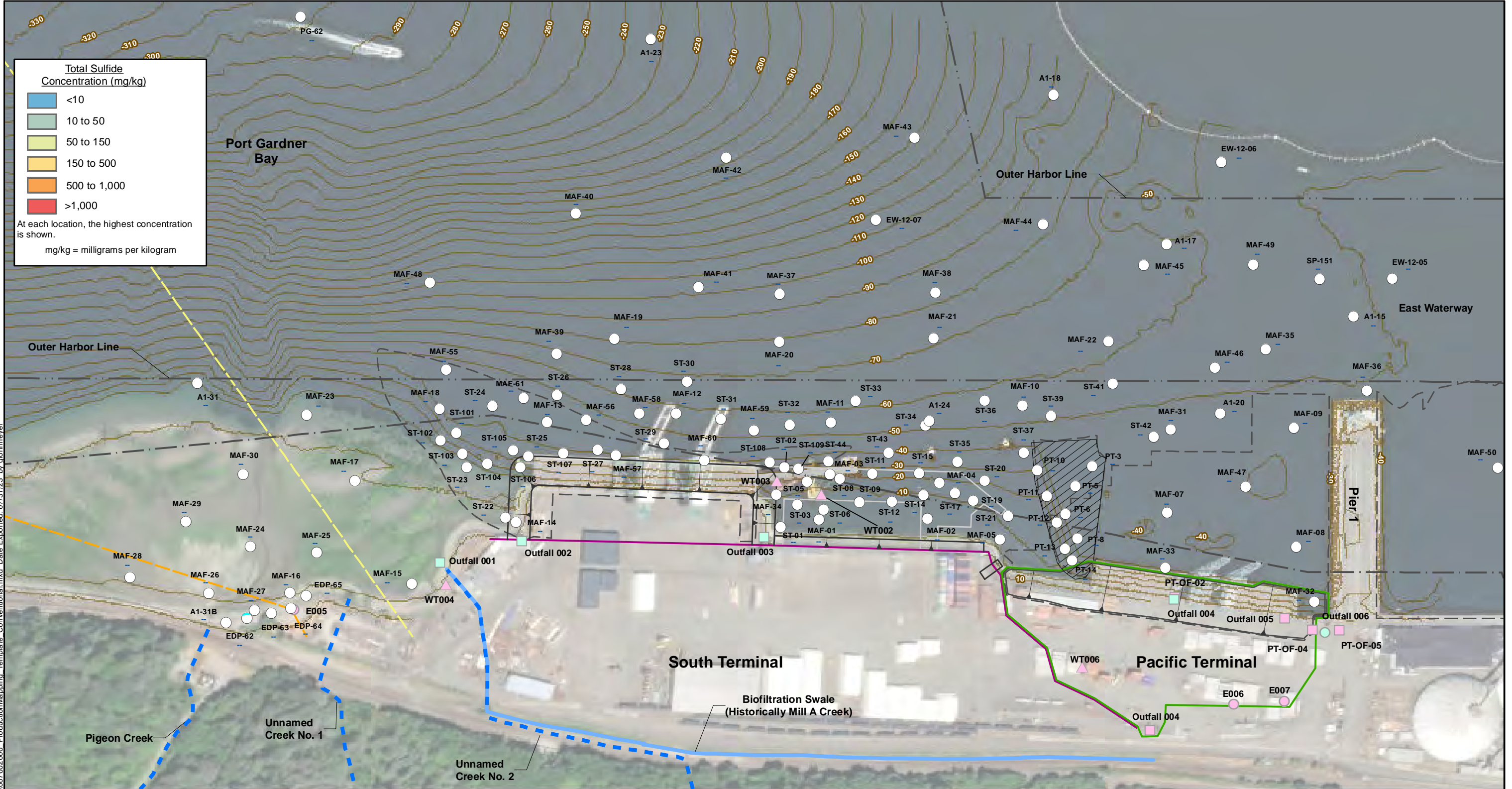
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Sulfide Concentration Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-76



Total Sulfide Concentration (mg/kg)

| |
|--------------|
| <10 |
| 10 to 50 |
| 50 to 150 |
| 150 to 500 |
| 500 to 1,000 |
| >1,000 |

At each location, the highest concentration is shown.
mg/kg = milligrams per kilogram

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

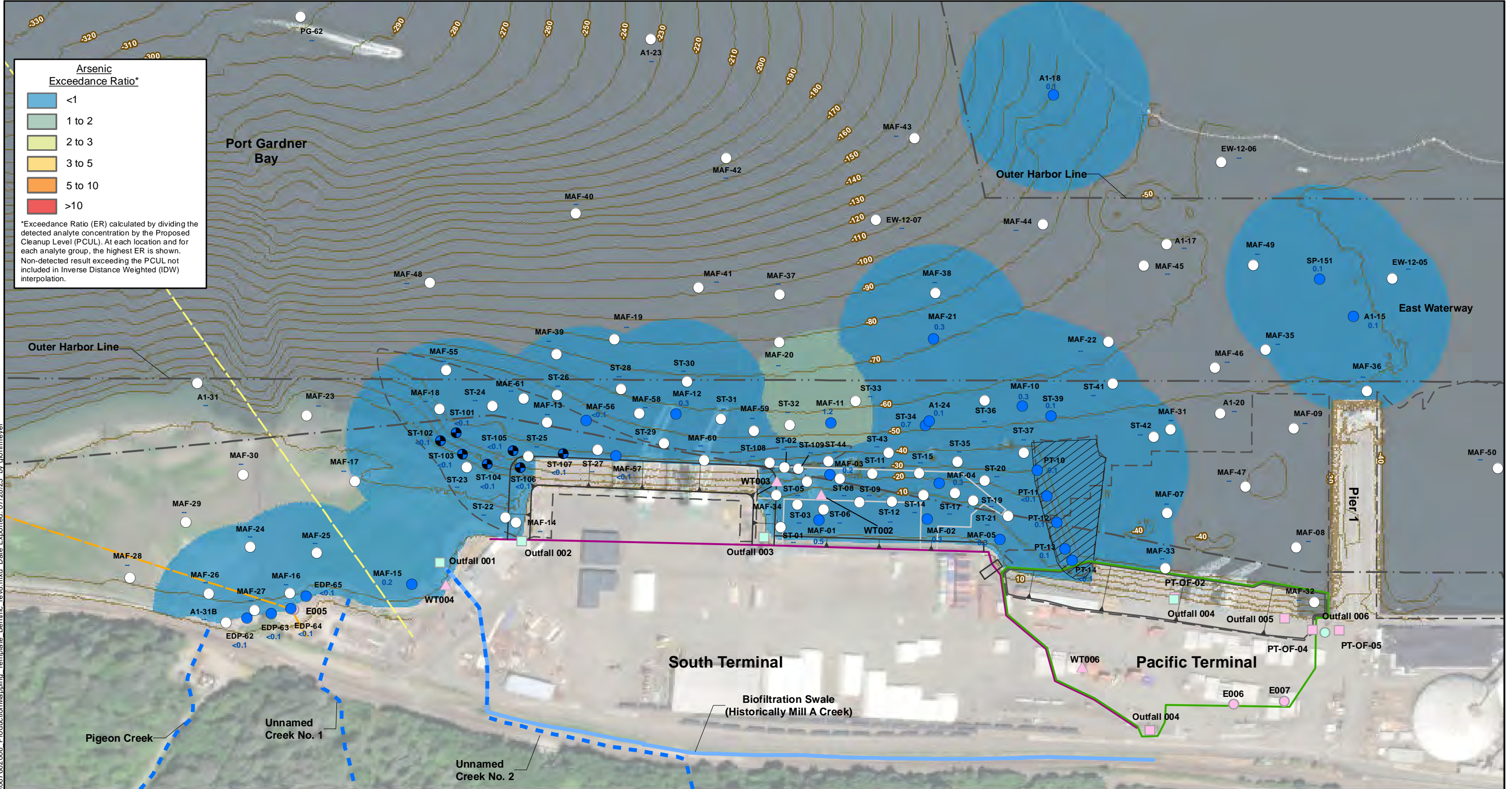
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Sulfide Concentration Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-77



Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

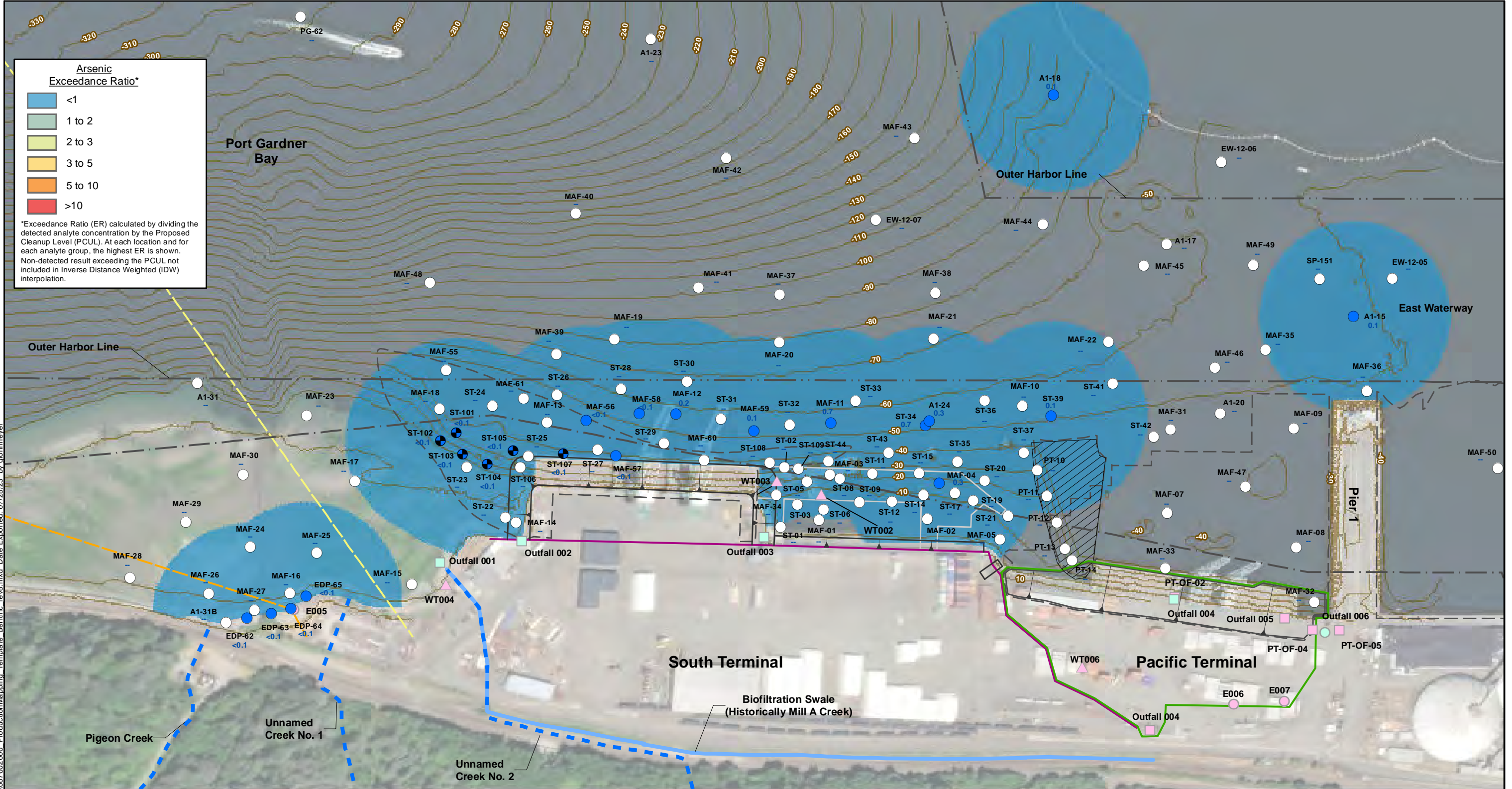
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-78



Arsenic Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

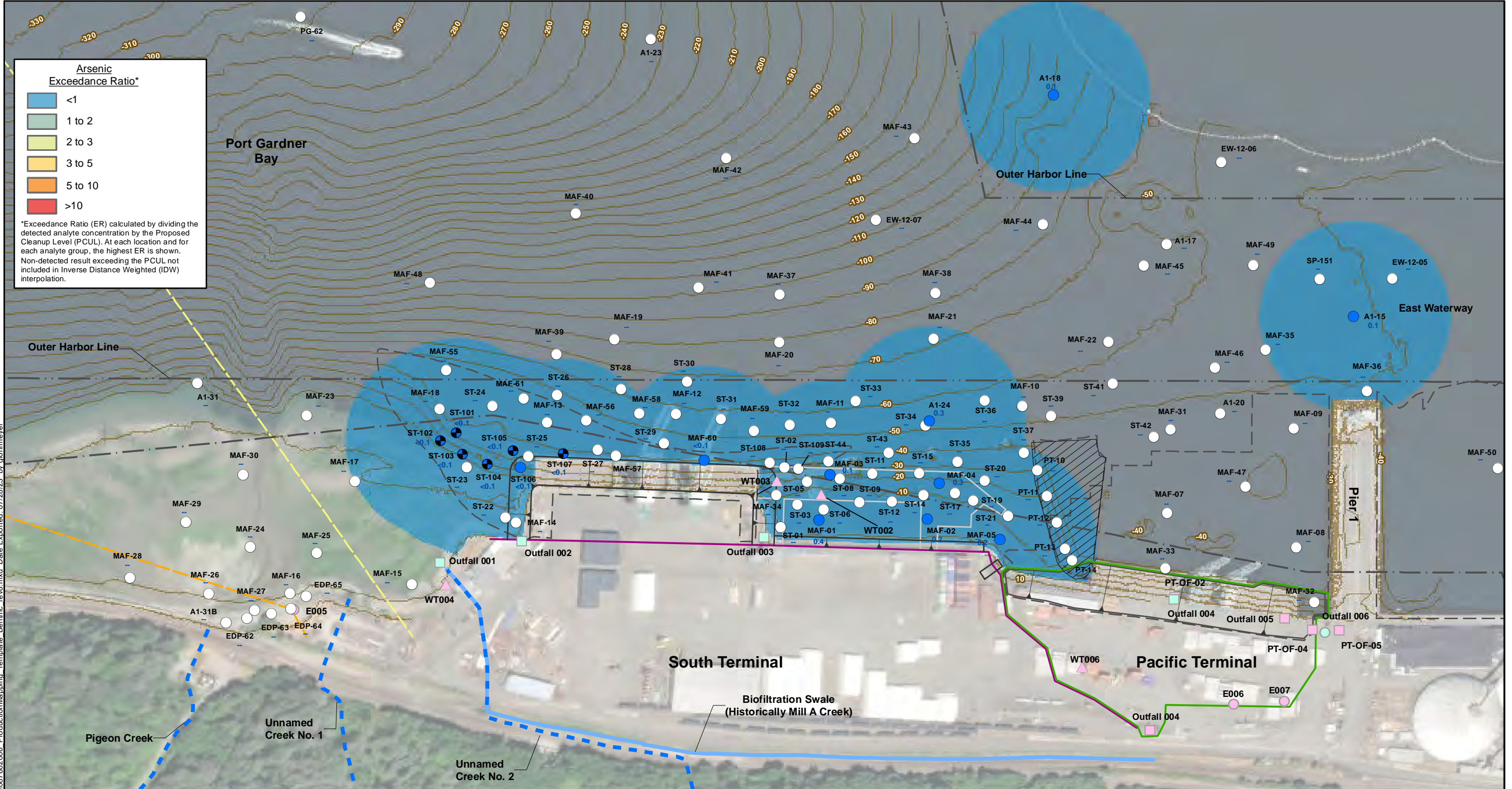
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-79

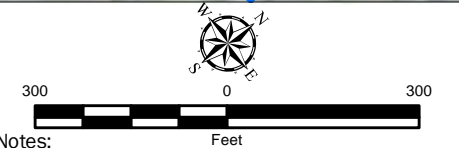


Arsenic Exceedance Ratio*

| | |
|--------------|---------|
| Blue | <1 |
| Light Green | 1 to 2 |
| Yellow-Green | 2 to 3 |
| Yellow | 3 to 5 |
| Orange | 5 to 10 |
| Red | >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Blue circle: Discreet Sample Result
- White circle: No Sample/Result
- Grey circle: Non-Detect Result Exceeds PCUL
- Black circle with dot: Composite Sample Result
- Blue hatched area: Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Blue circle: Sample Location Identification Result
- Black rectangle: Construction Berm
- White rectangle: Historical Piling Area
- Black rectangle: Dredged Area
- Green rectangle: Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Orange dashed line: Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Yellow dashed line: Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

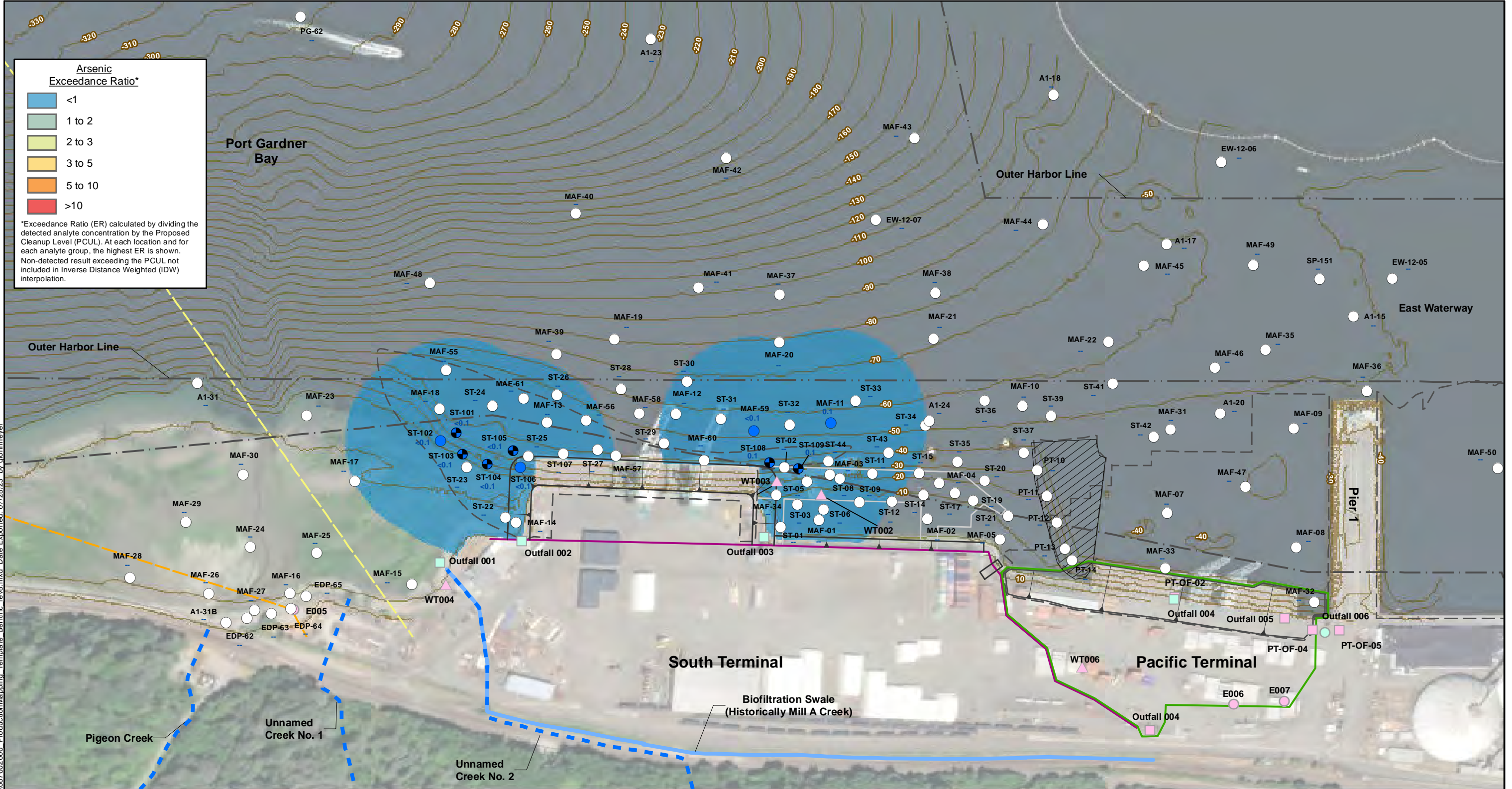
- Purple line: Bulkhead
- Brown line: Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Pink triangle: Historical Industrial Outfall (Abandoned)
- Pink circle: Former Combined Sewer Outfall (CSO, Abandoned)
- Pink square: Former Stormwater Outfall (Abandoned)
- Green circle: Current CSO
- Green square: Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-80

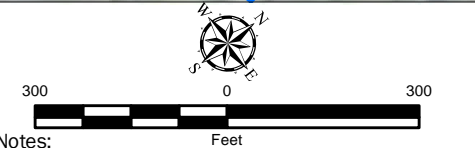


Arsenic Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

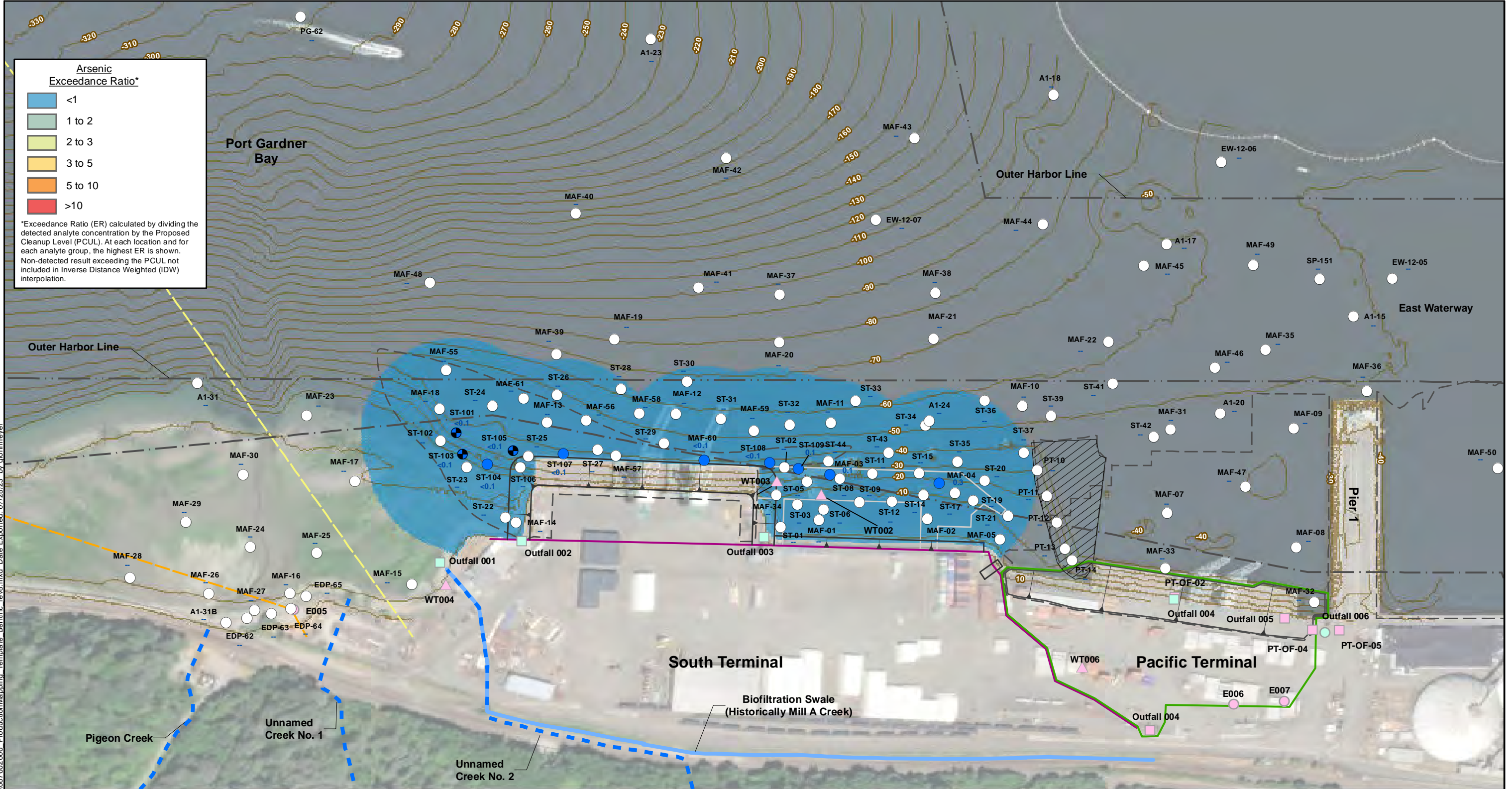
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-81

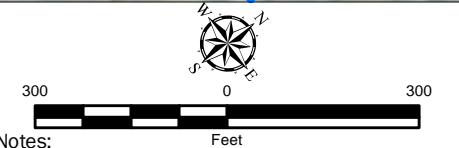


Arsenic Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

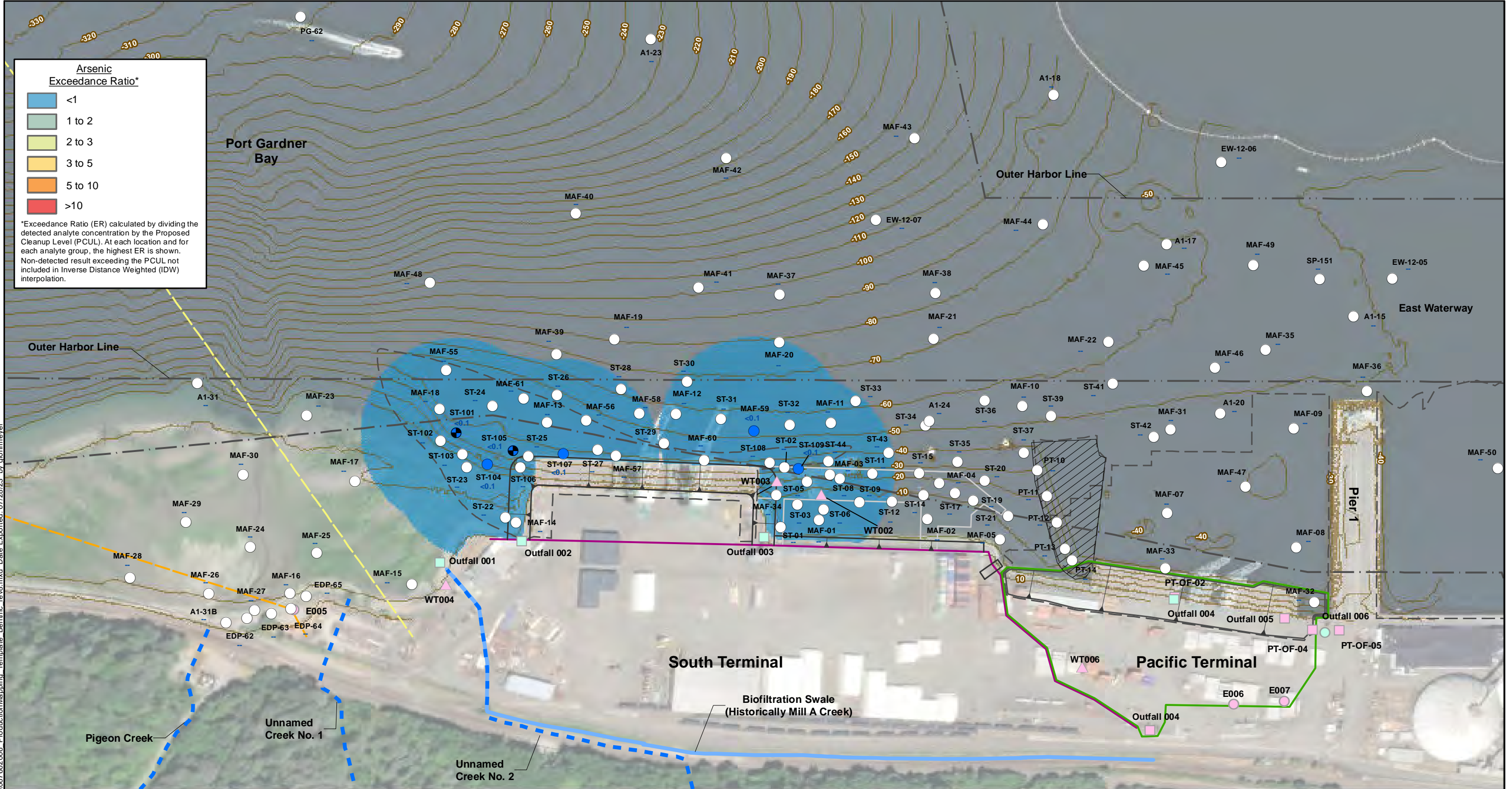
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-82



Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

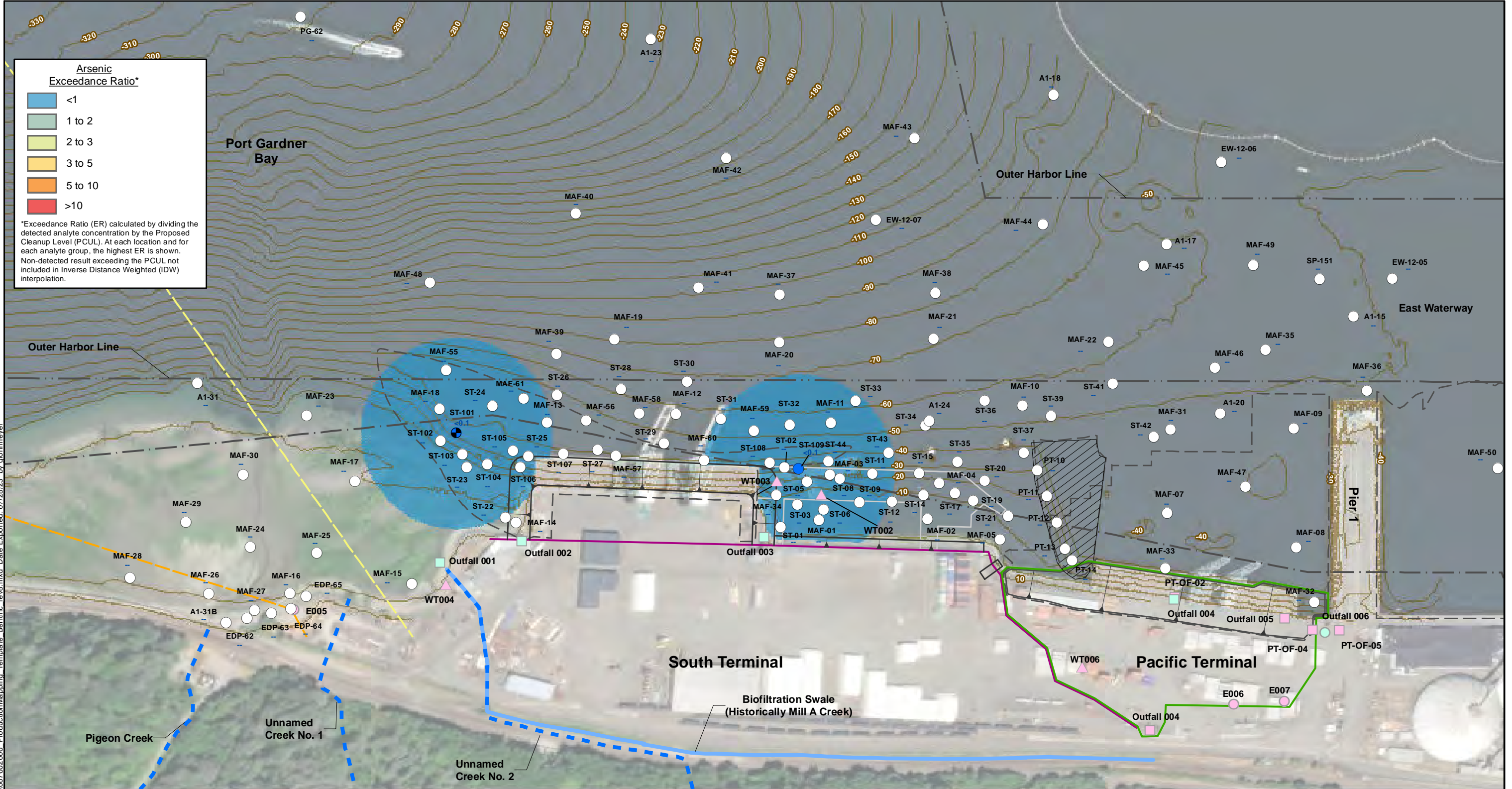
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-83

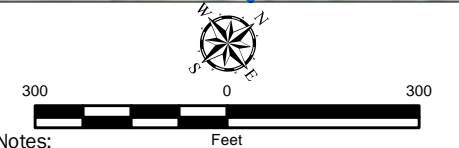


Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

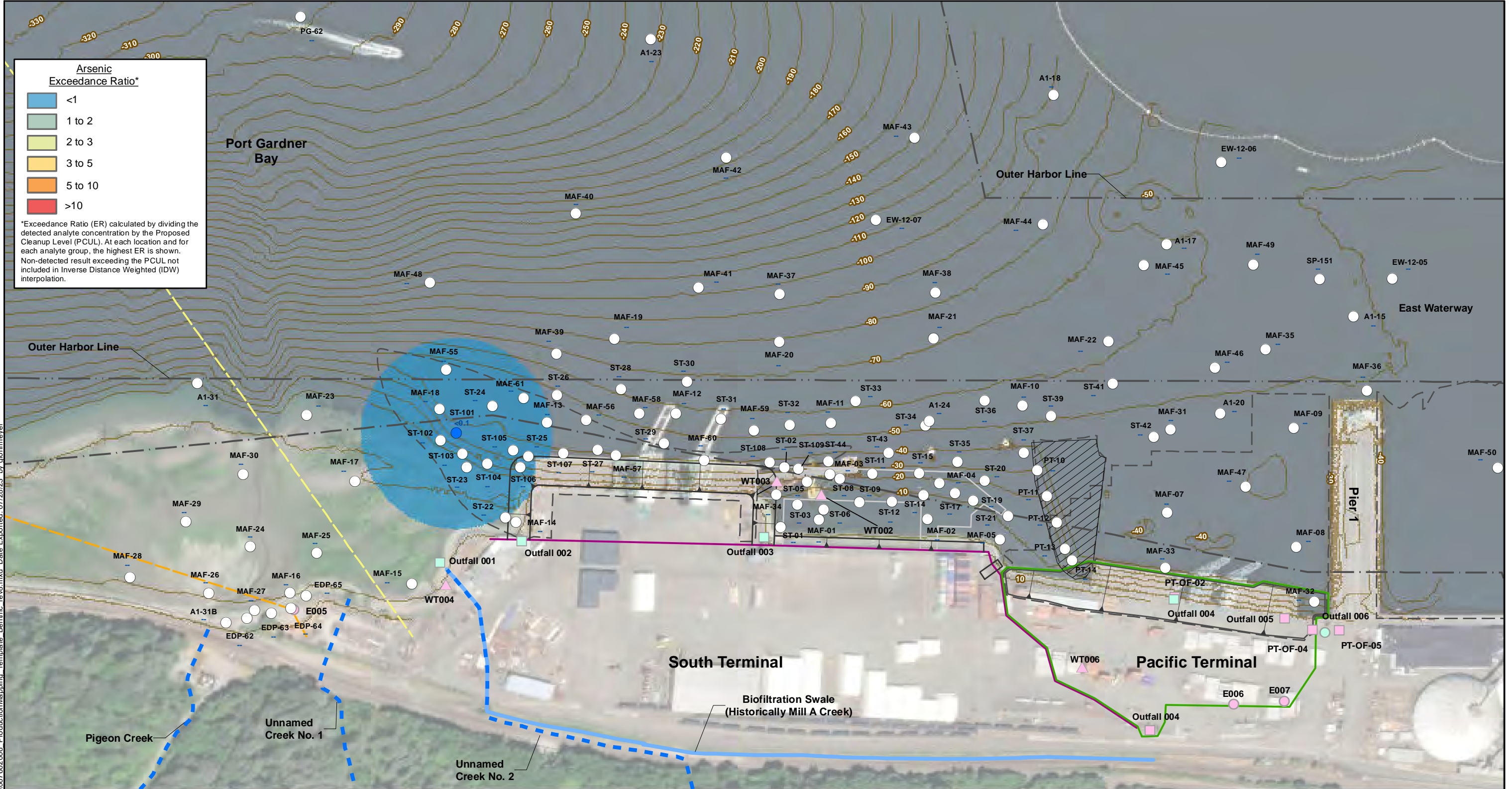
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-84

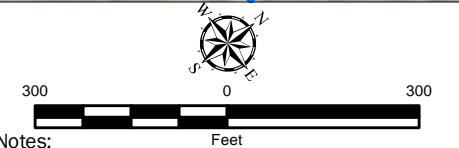


Arsenic Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

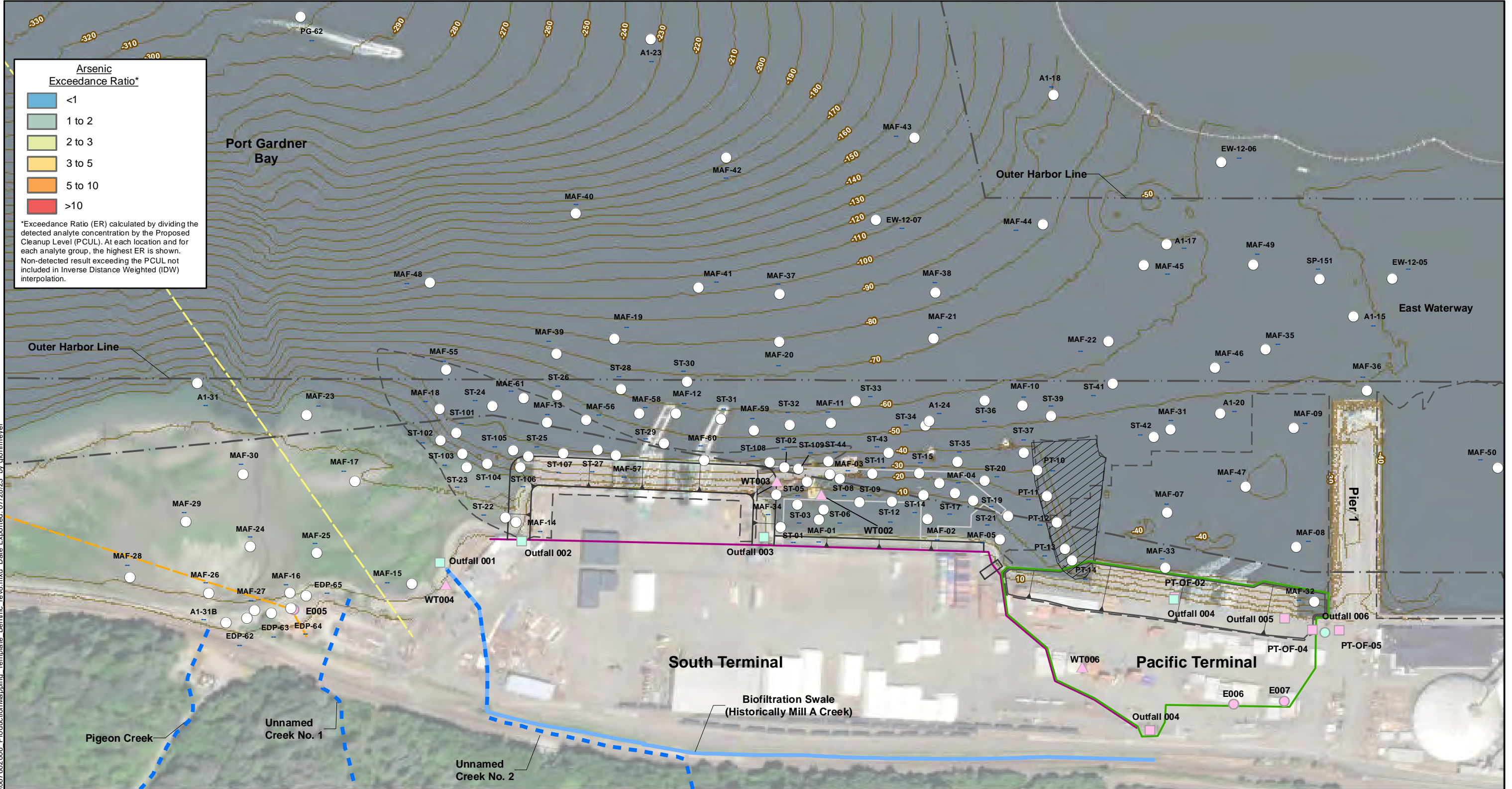
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

| | |
|---|--------------------|
| Arsenic Results (Benthic) Subsurface Sediment (14-16 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-85 |

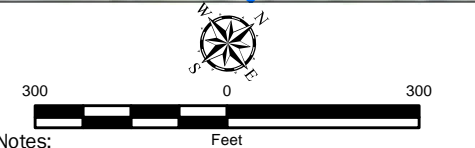


Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

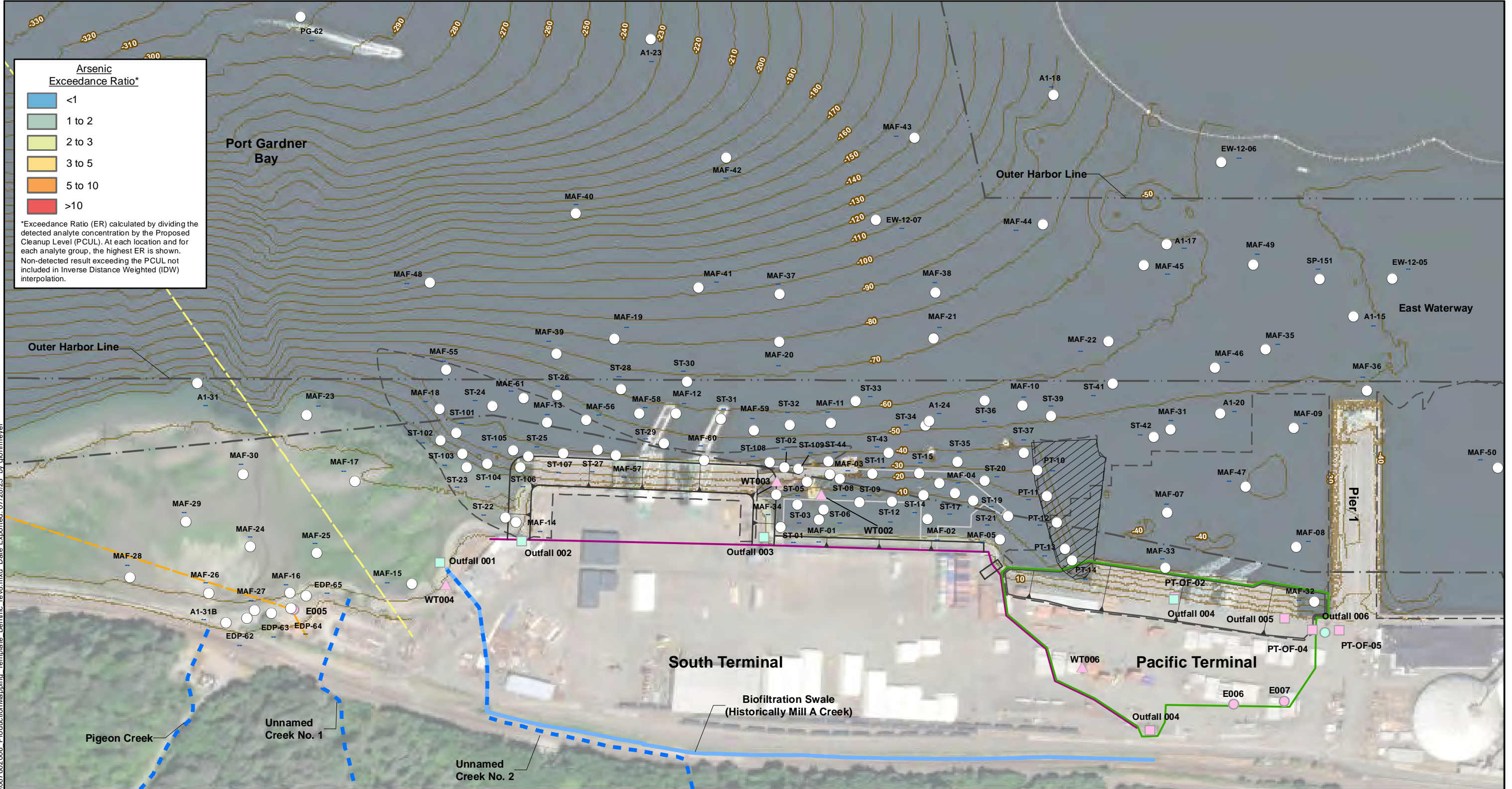
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-86



Arsenic Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

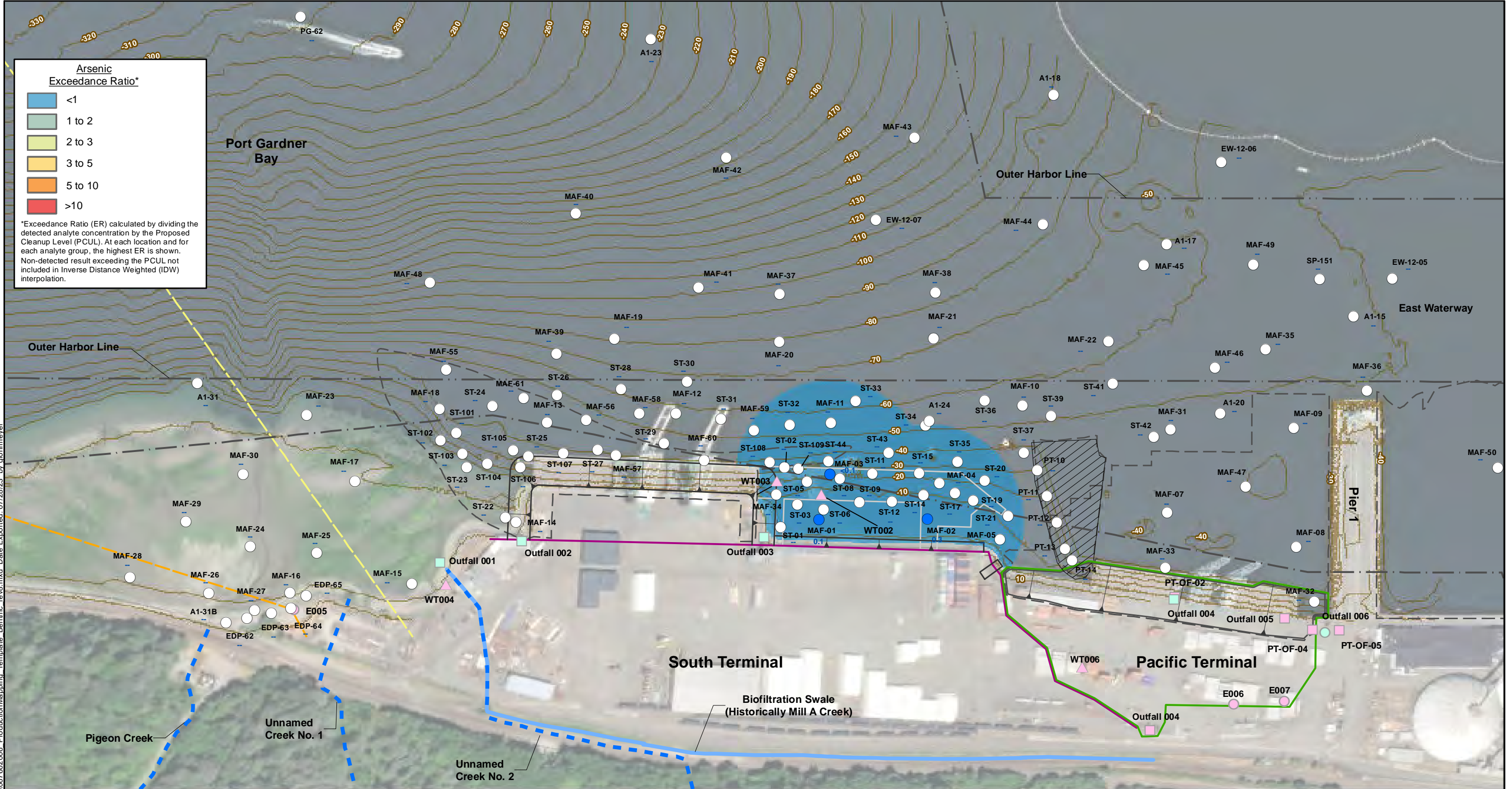
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Benthic)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-87

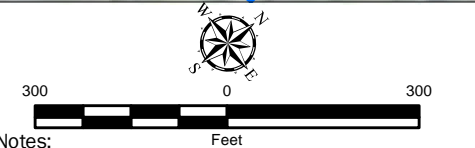


Arsenic Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

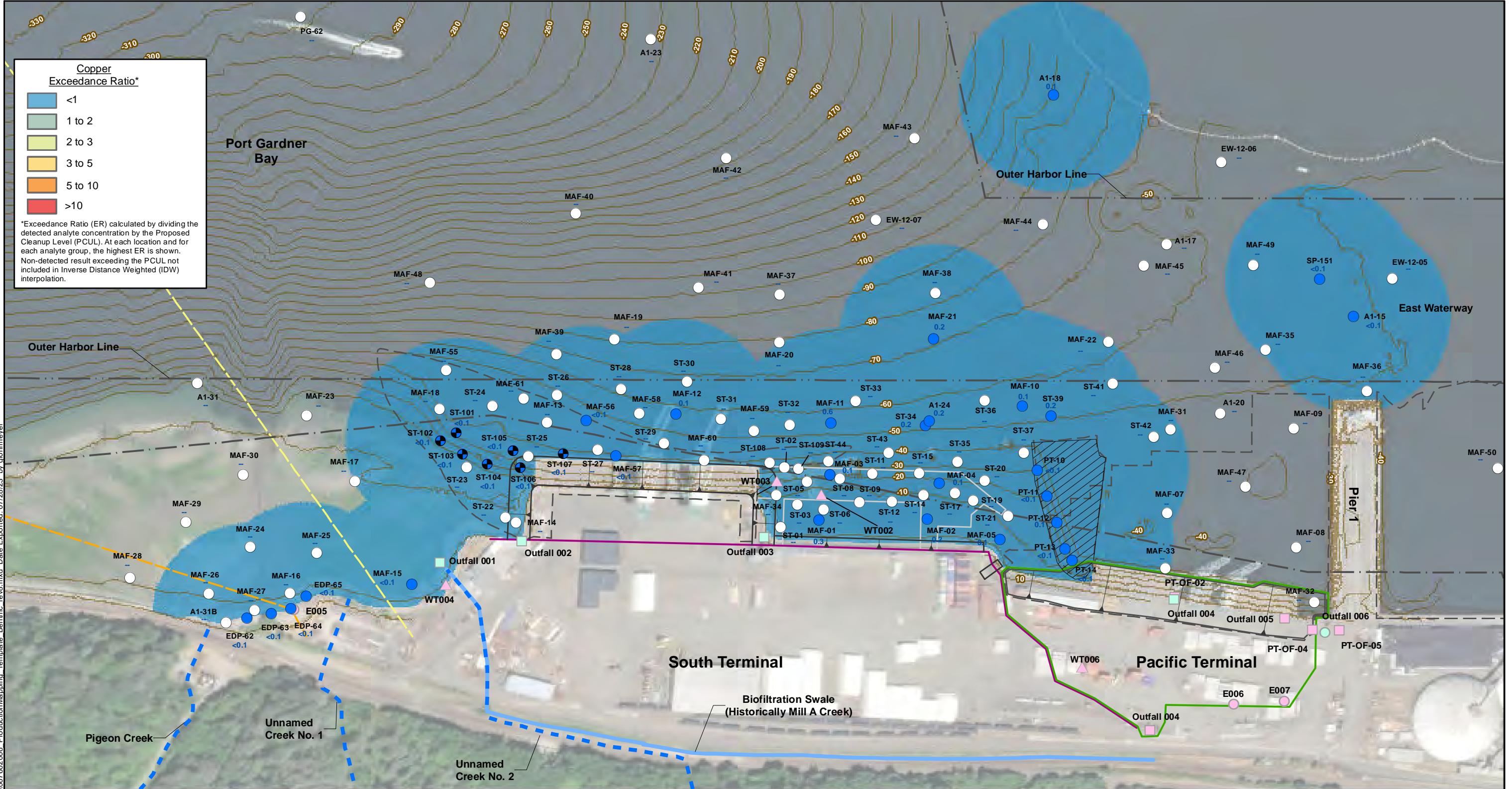
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Arsenic Results (Benthic)
Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-88

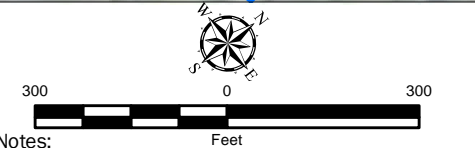


Copper Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

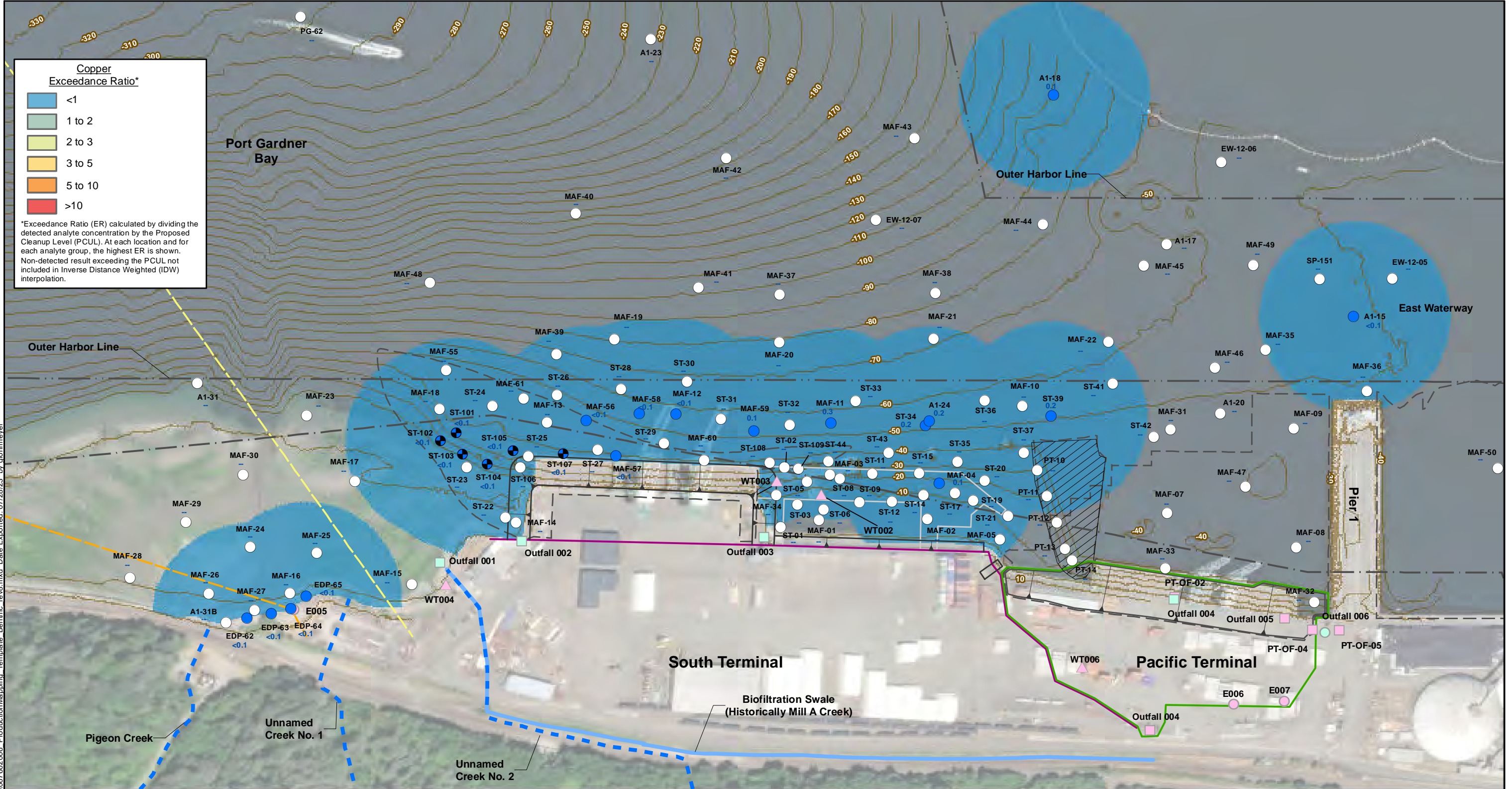
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-89



Copper Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

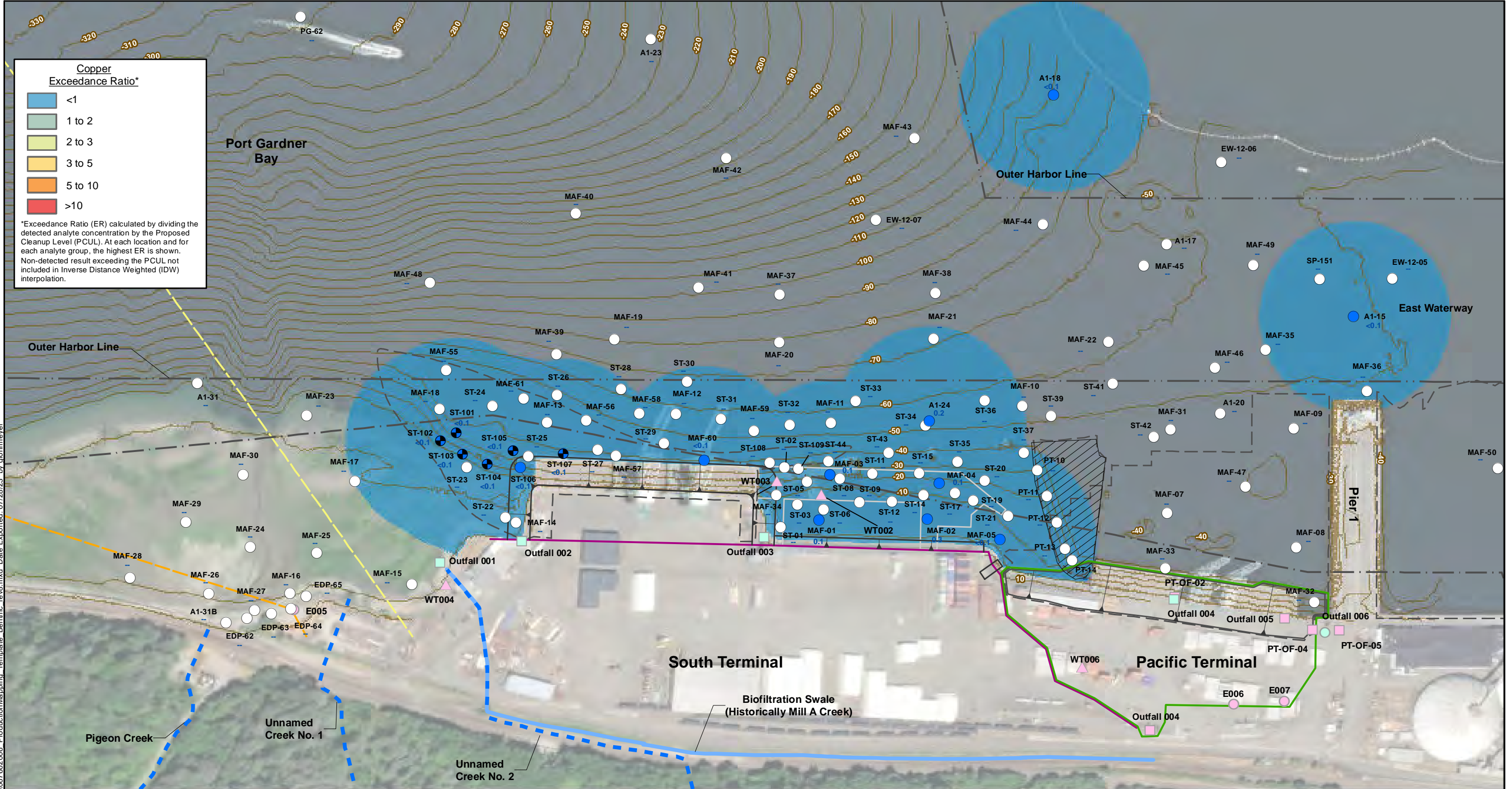
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|--|--------------------|
| Copper Results (Benthic) Subsurface Sediment (2-4 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-90 |



Copper Exceedance Ratio*

- <math>ER < 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- > 10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

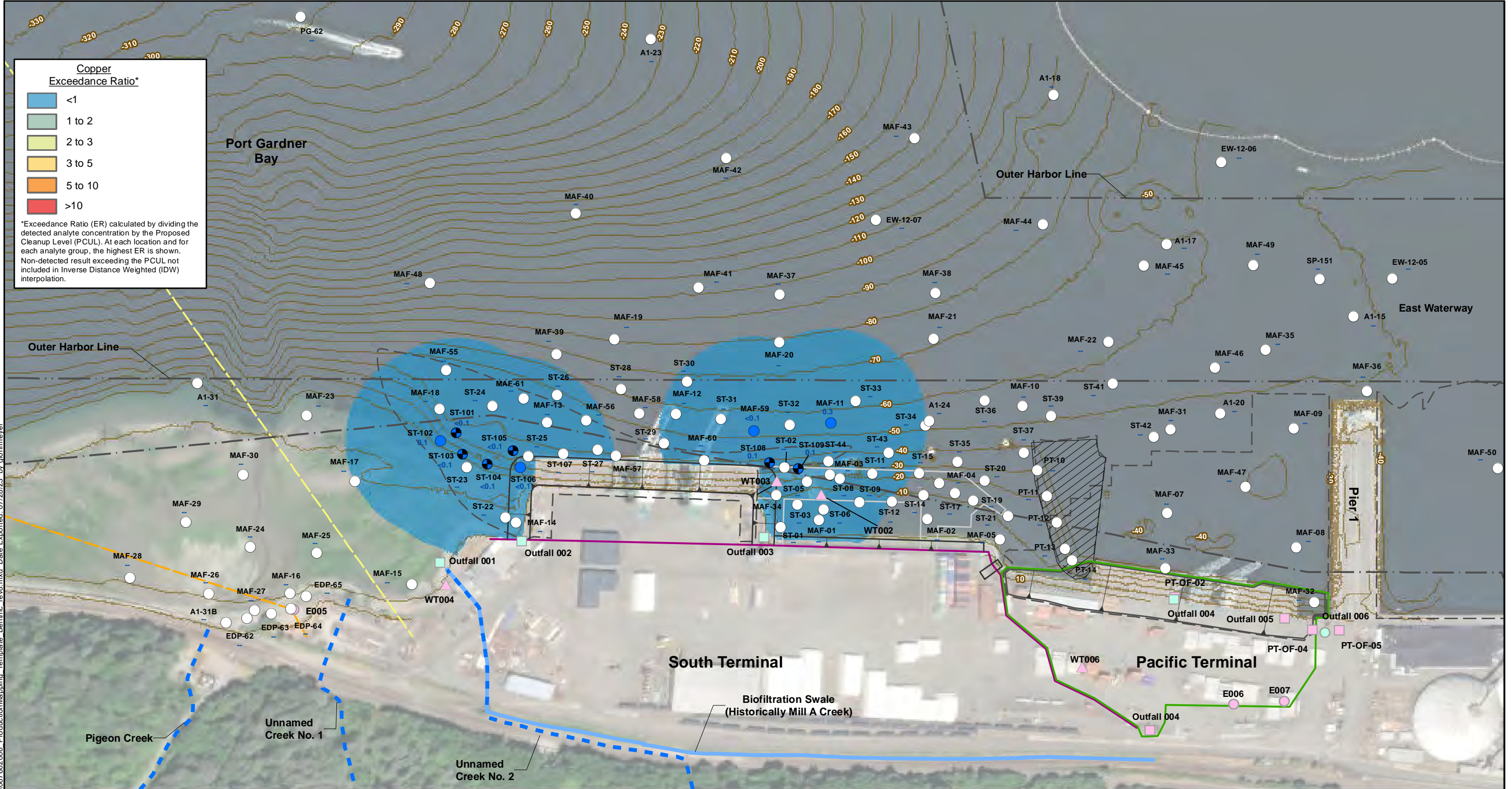
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-91

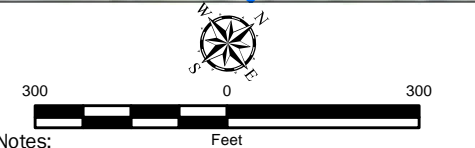


Copper Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

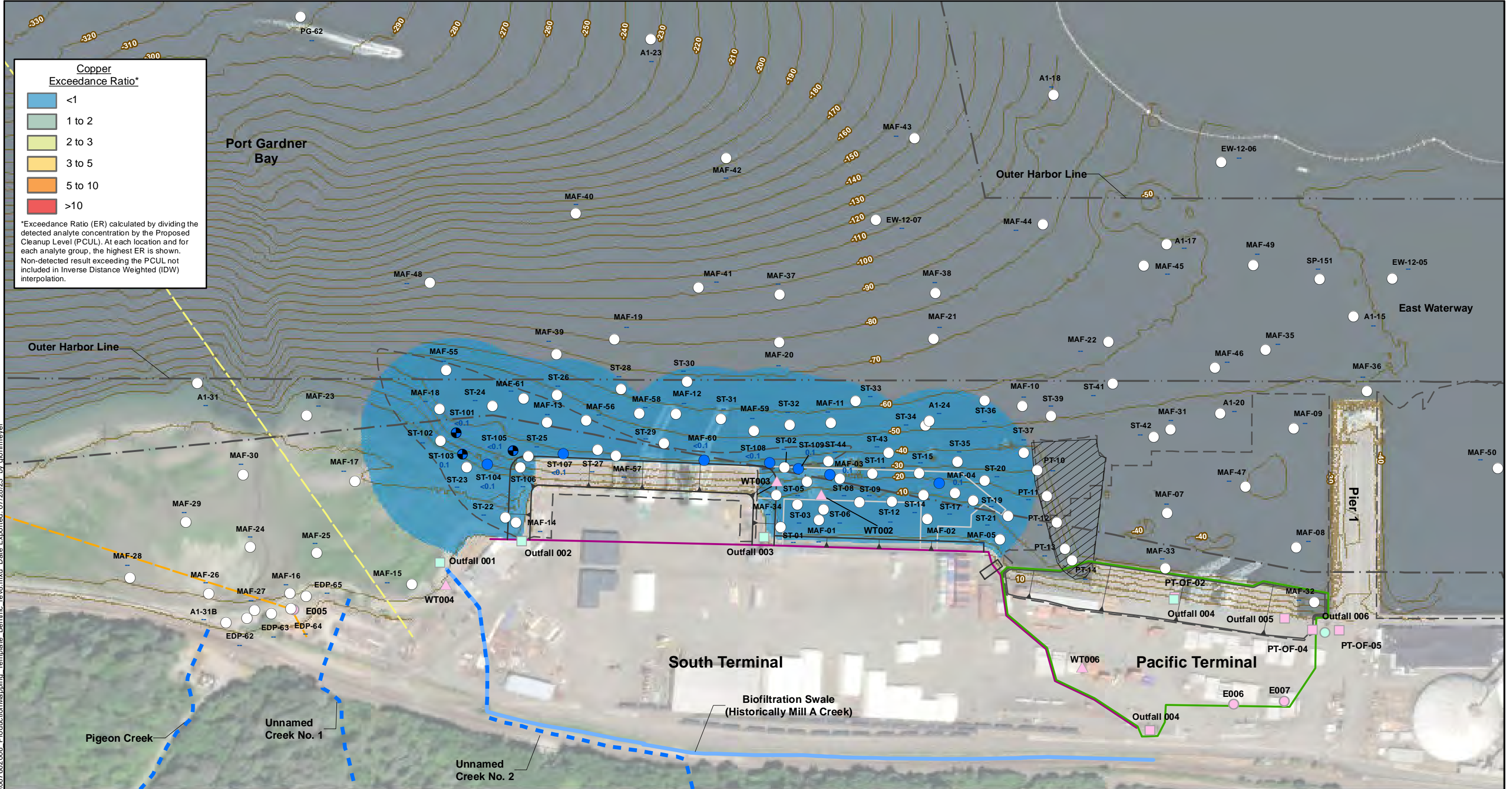
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-92

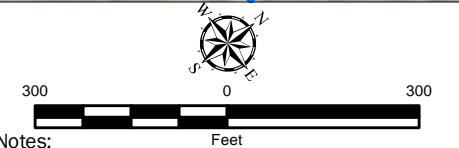


Copper Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

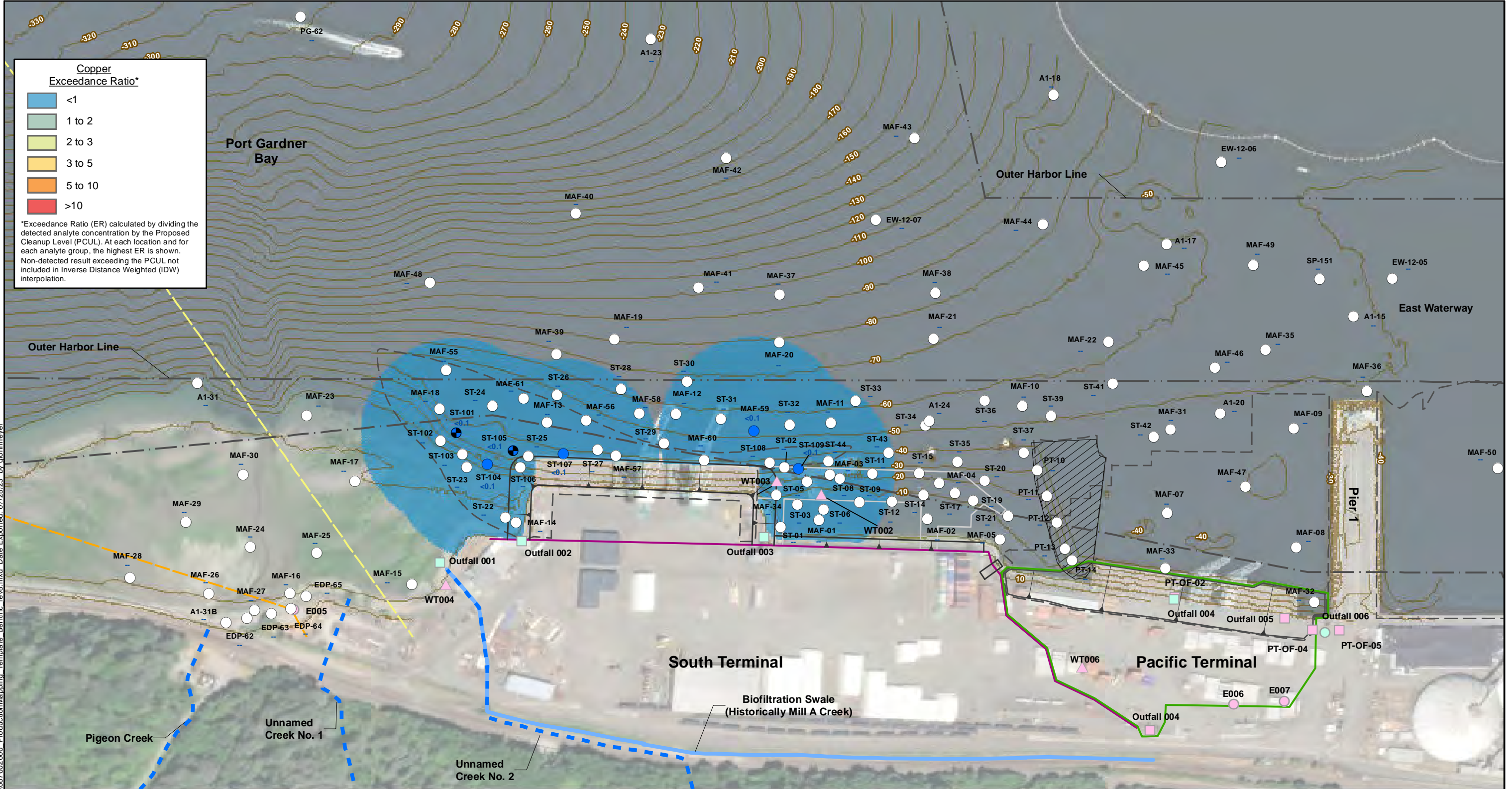
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-93

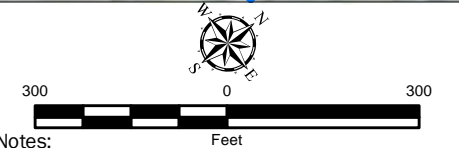


Copper Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

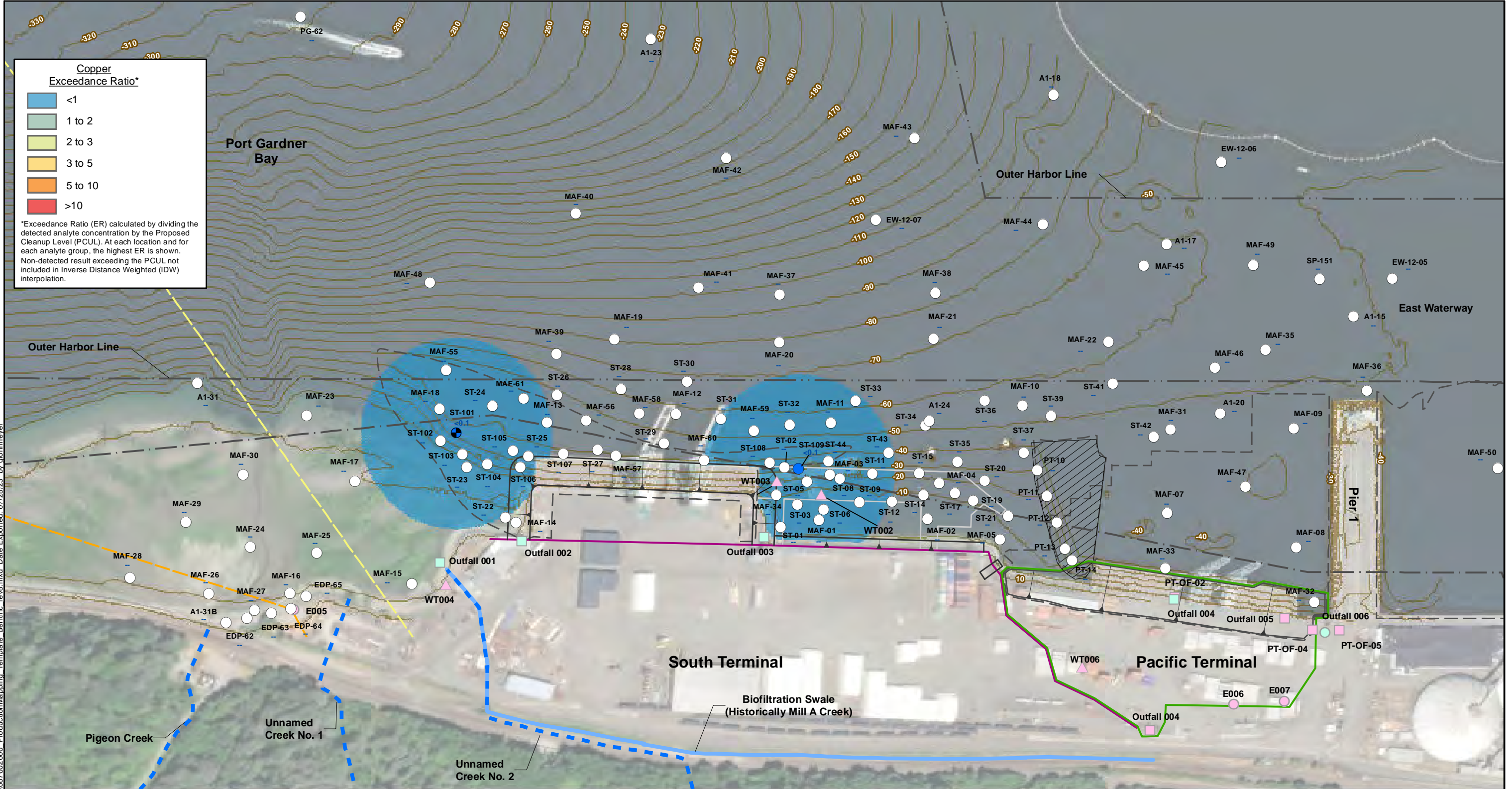
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-94

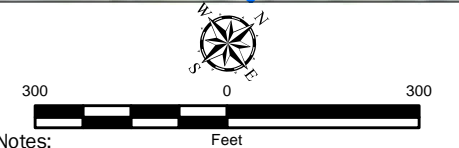


Copper Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

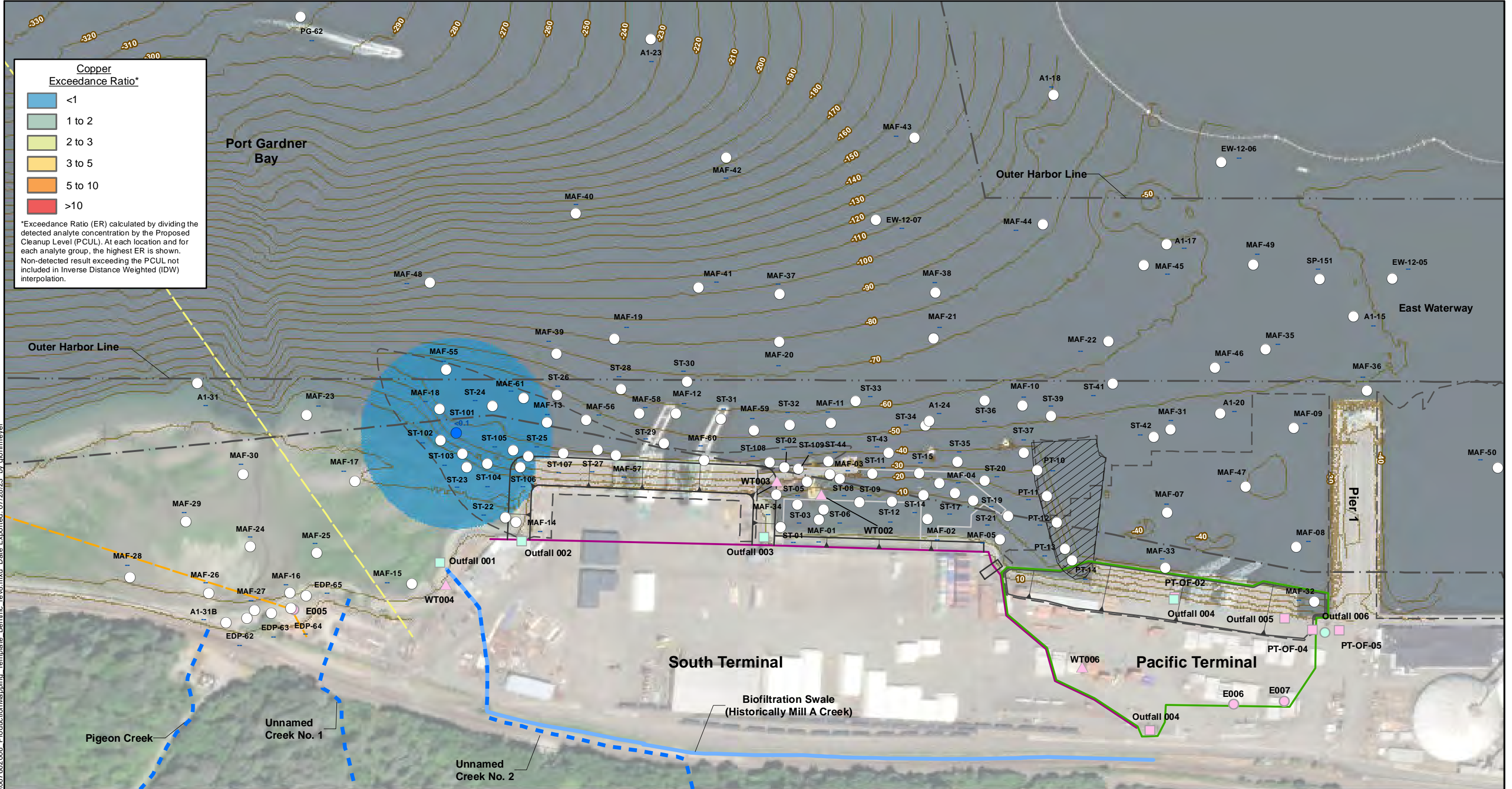
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-95



Copper Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- > 10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

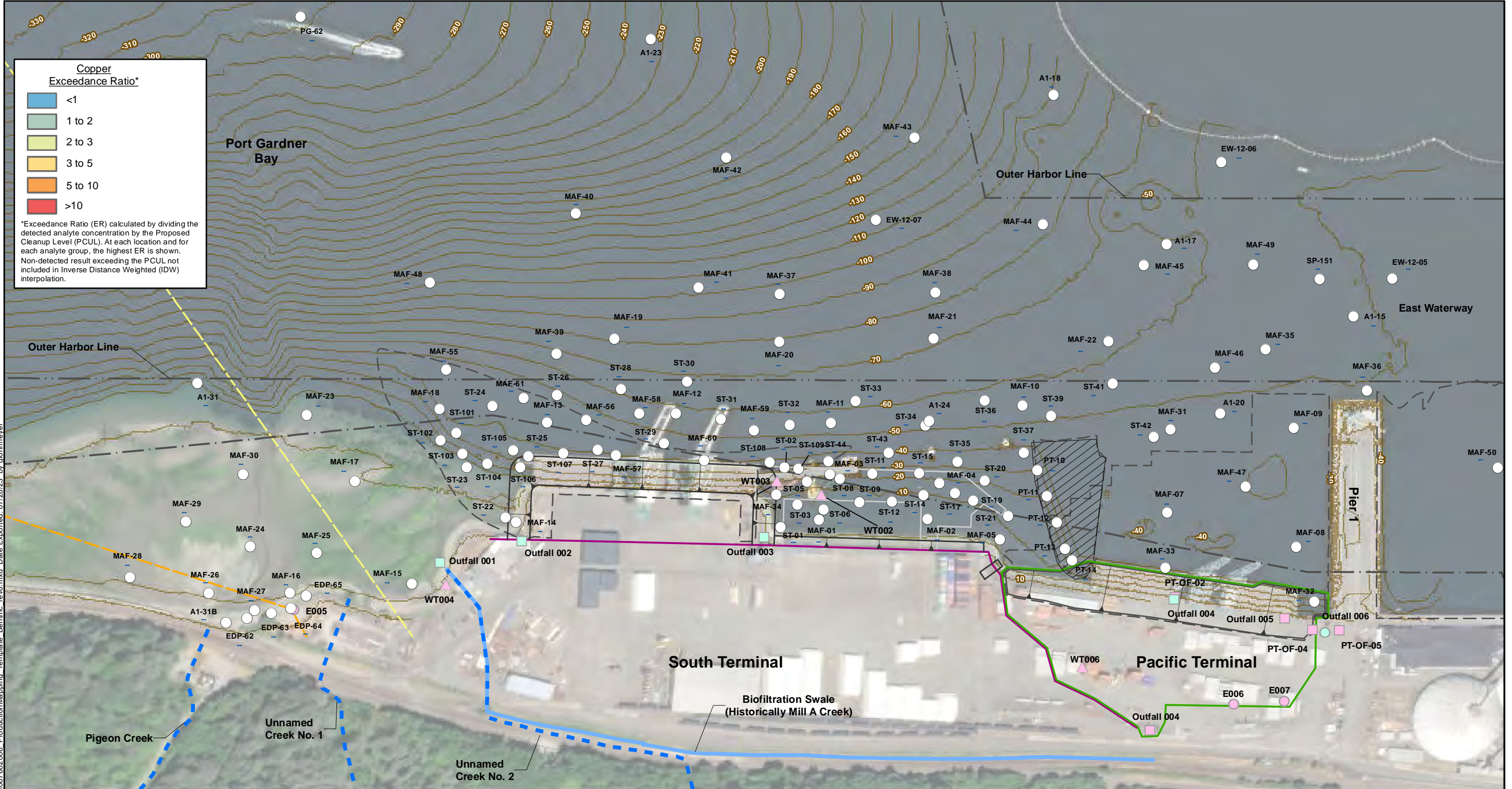
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-96



Copper Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

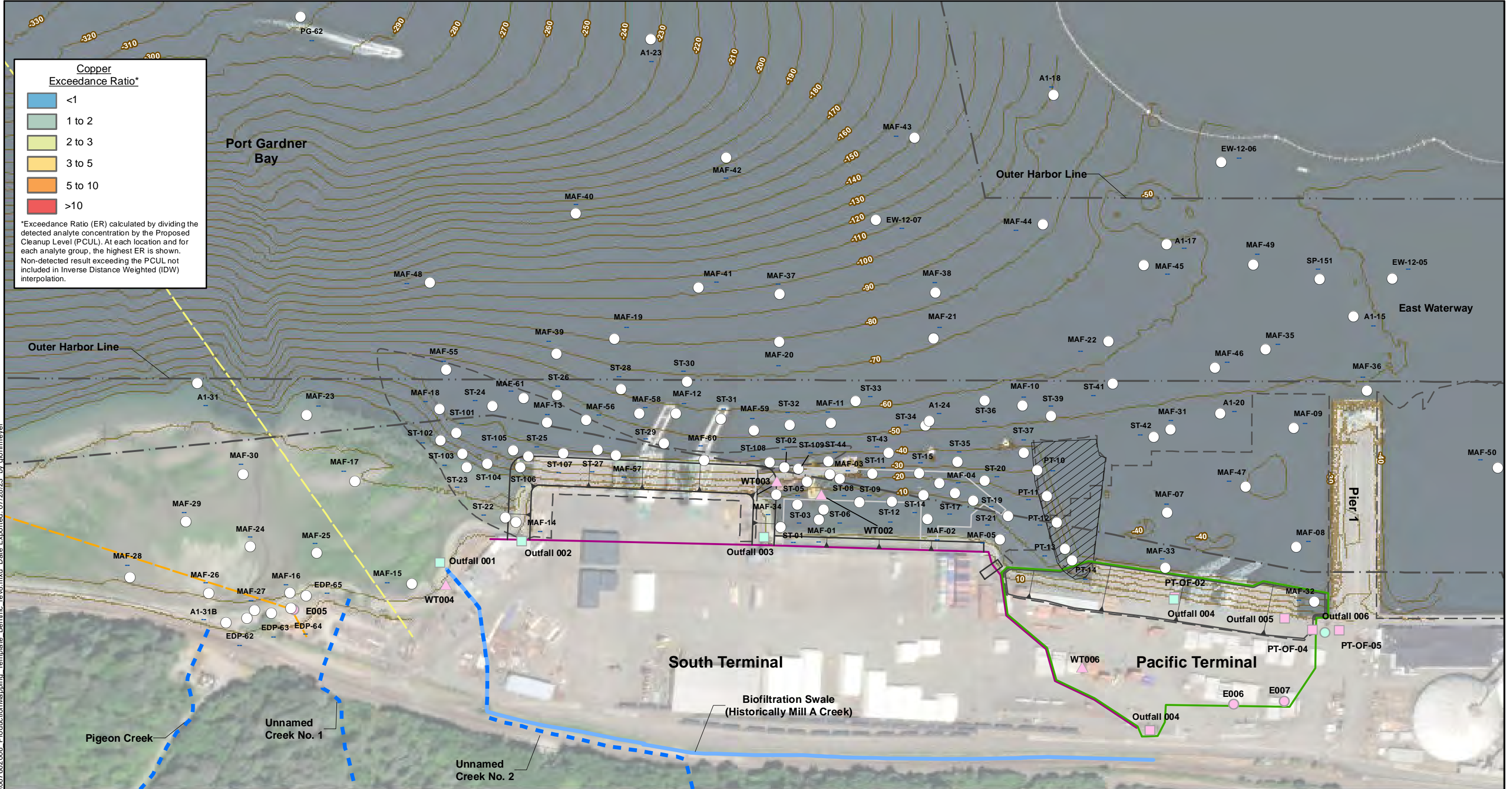
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-97

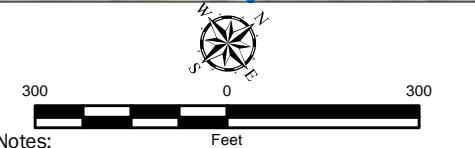


Copper Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

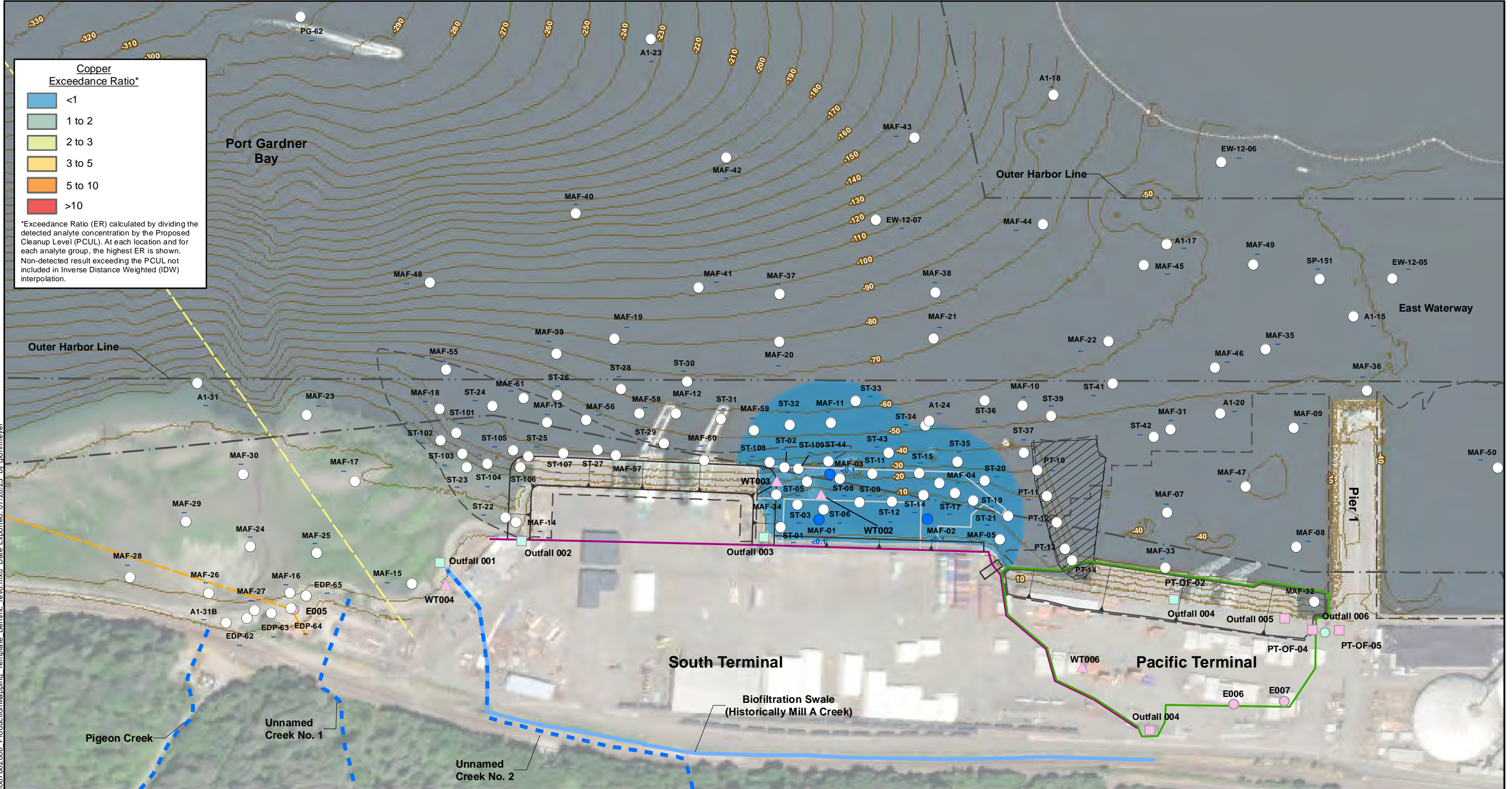
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Copper Results (Benthic)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-98



Copper Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

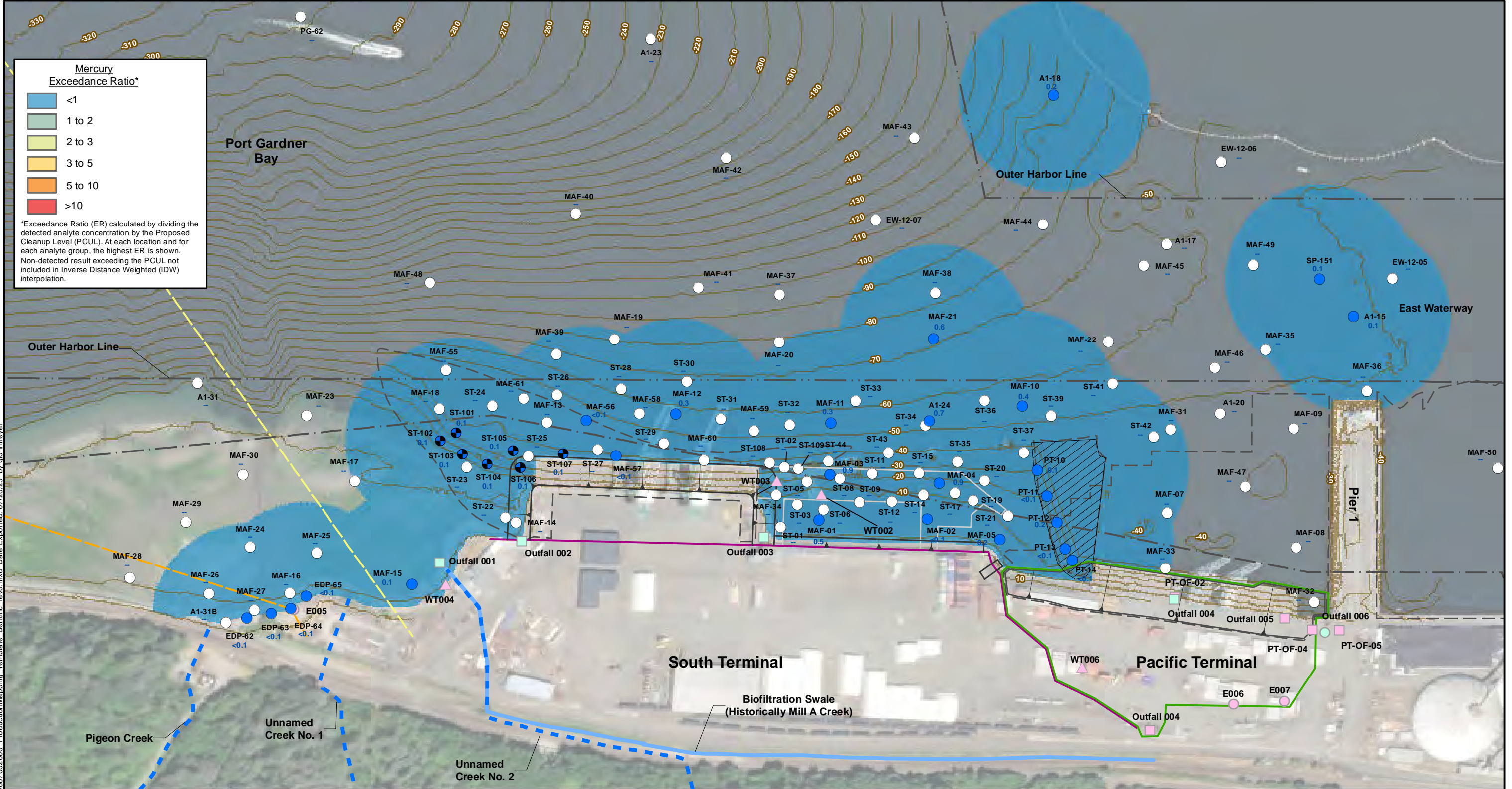
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|--|--------------------|
| Copper Results (Benthic) Subsurface Sediment (20-22 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-99 |



Mercury Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

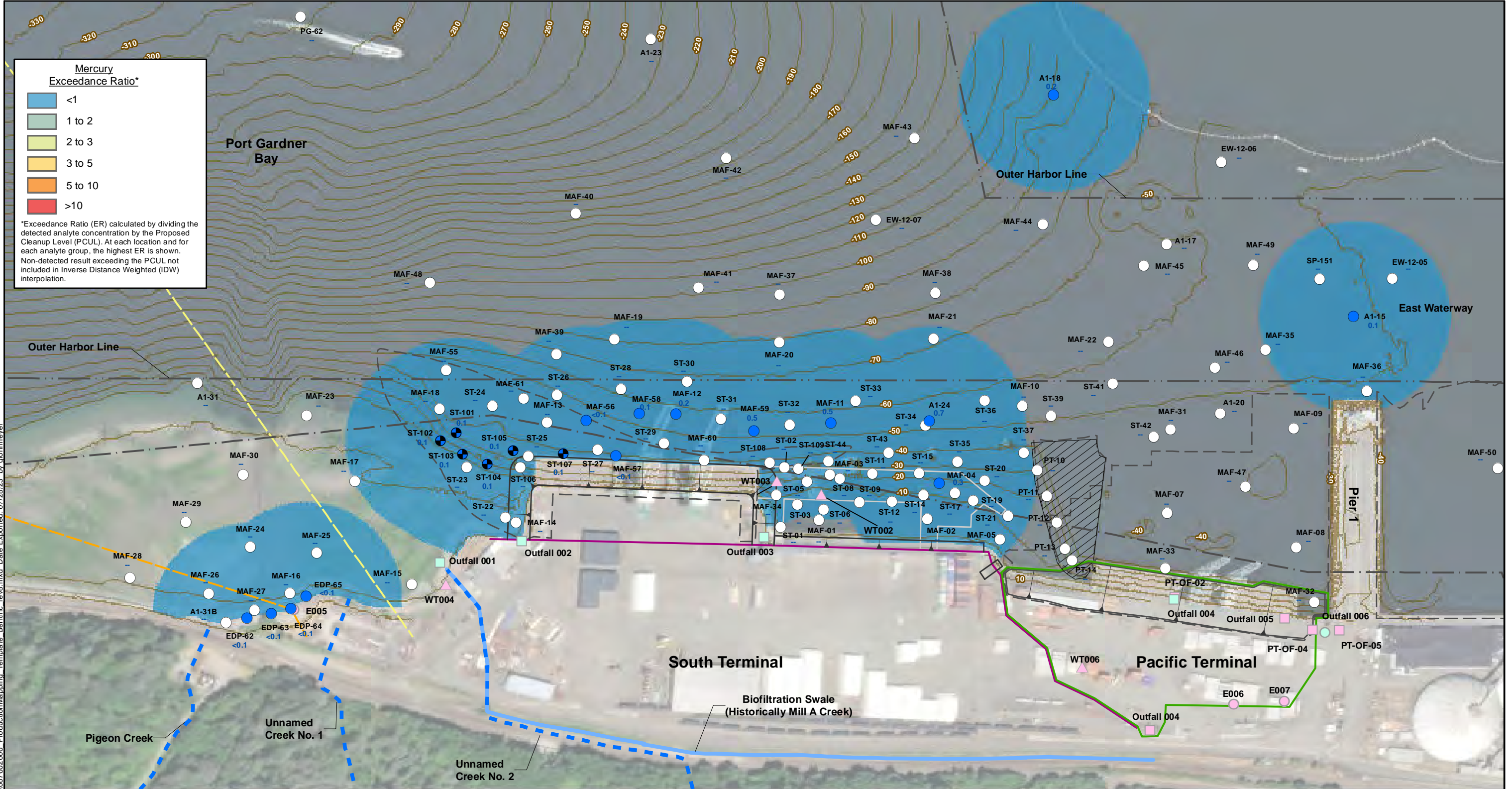
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

| | |
|---|---------------------|
| Mercury Results (Benthic) Subsurface Sediment (0-2 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-100 |



Mercury Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

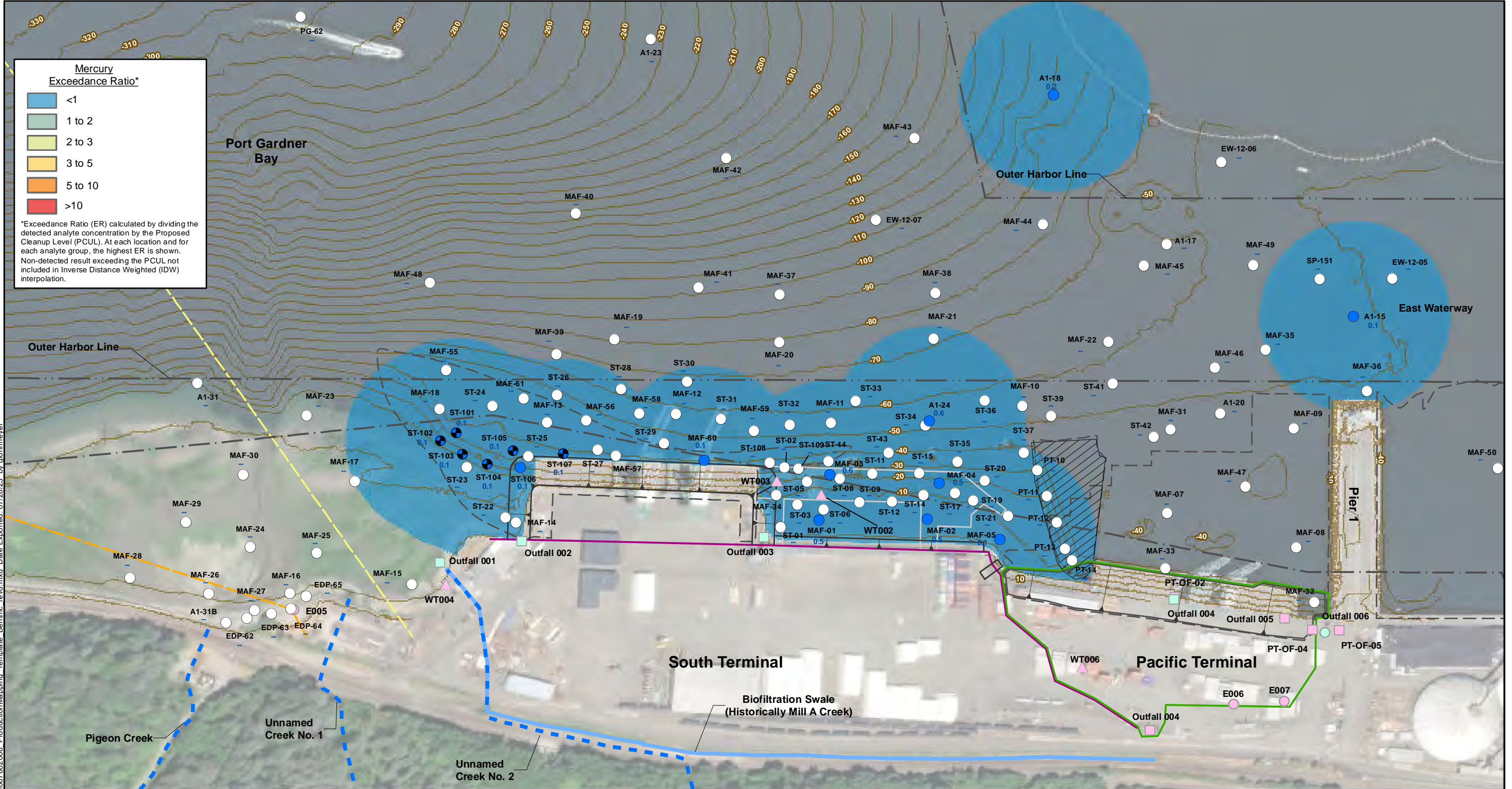
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-101



Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

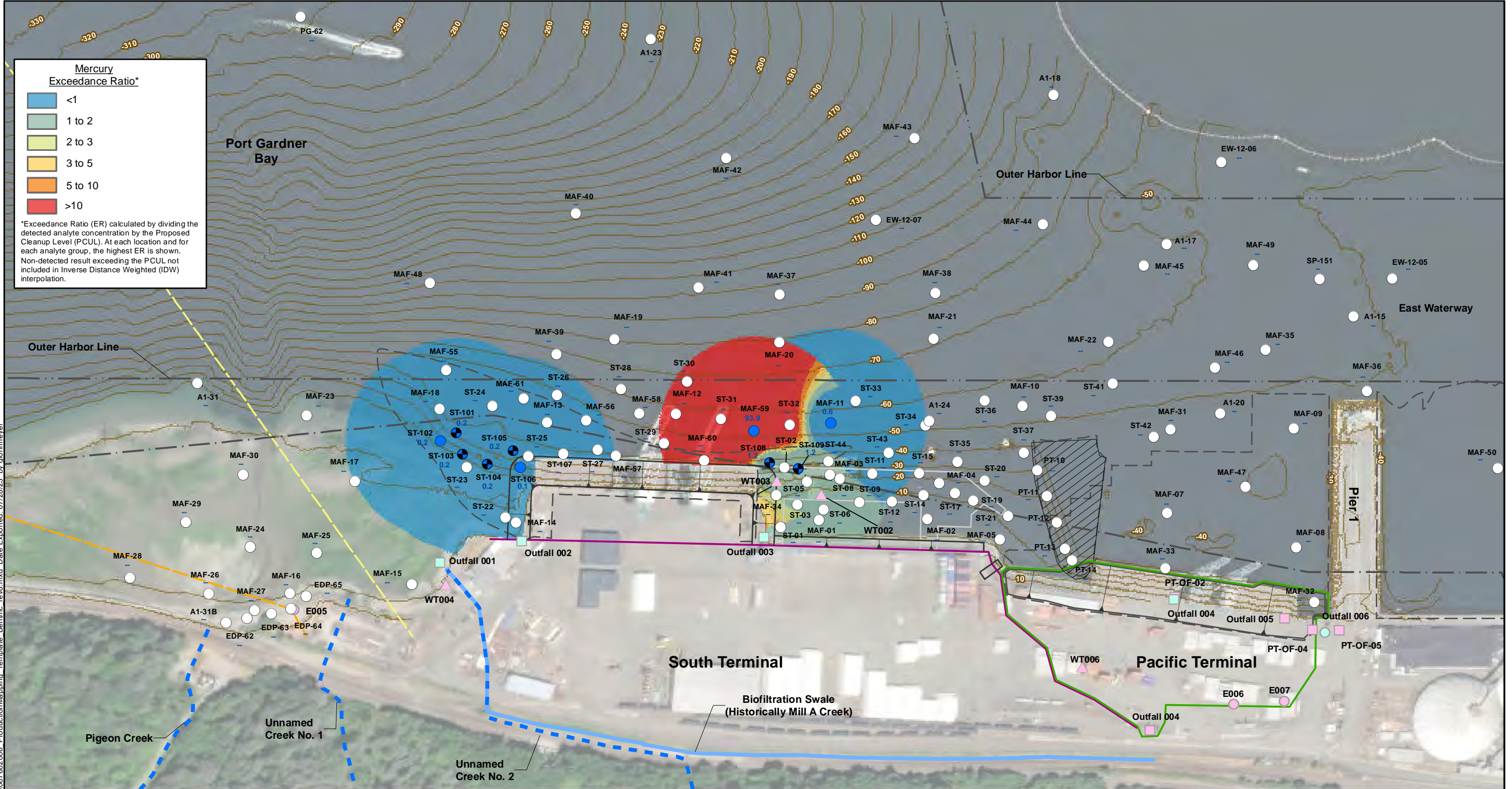
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-102

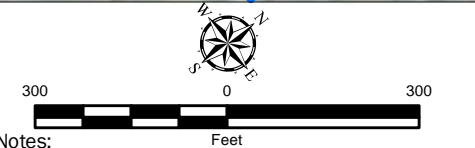


Mercury Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

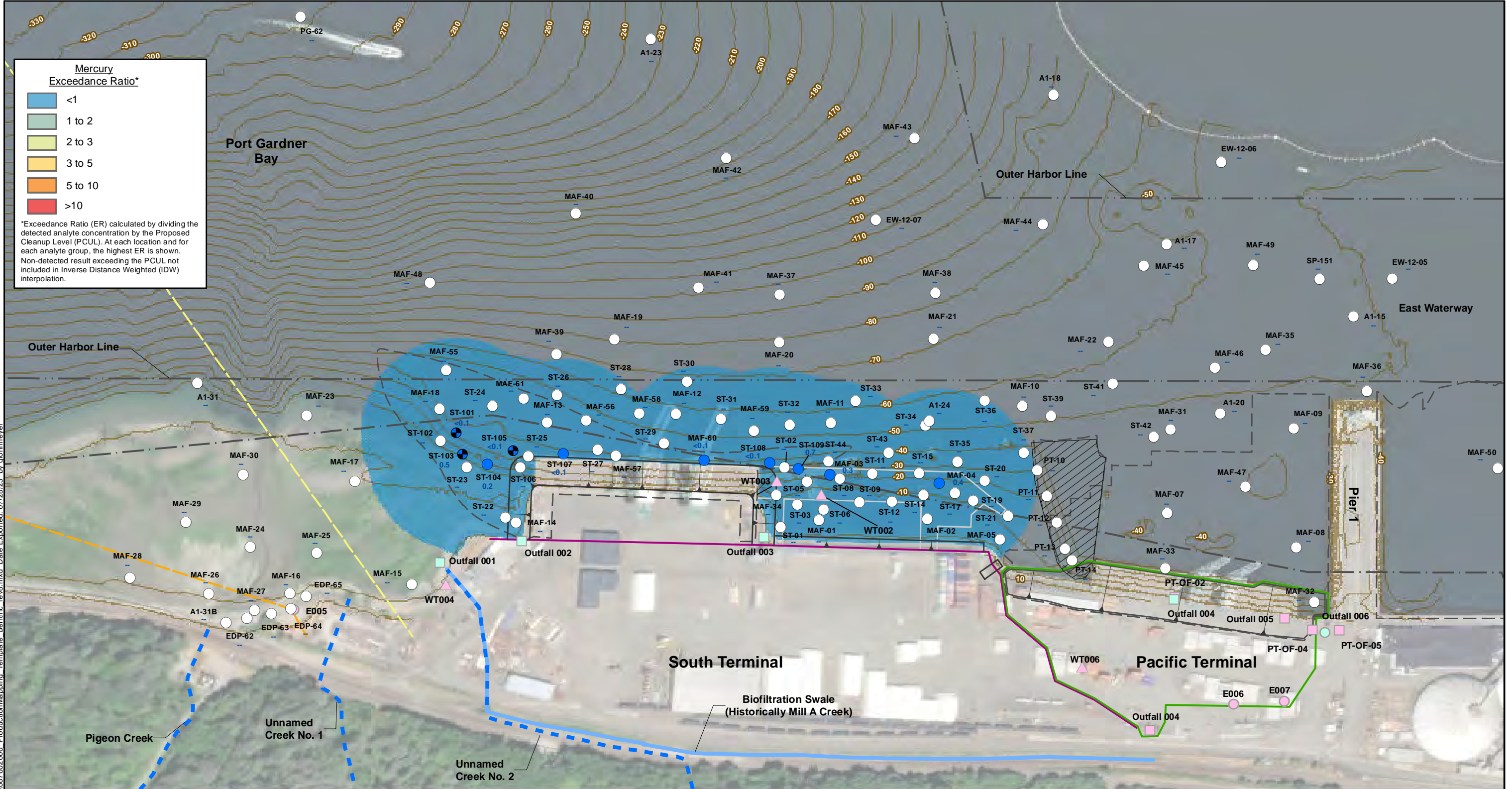
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-103

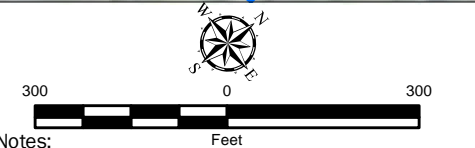


Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

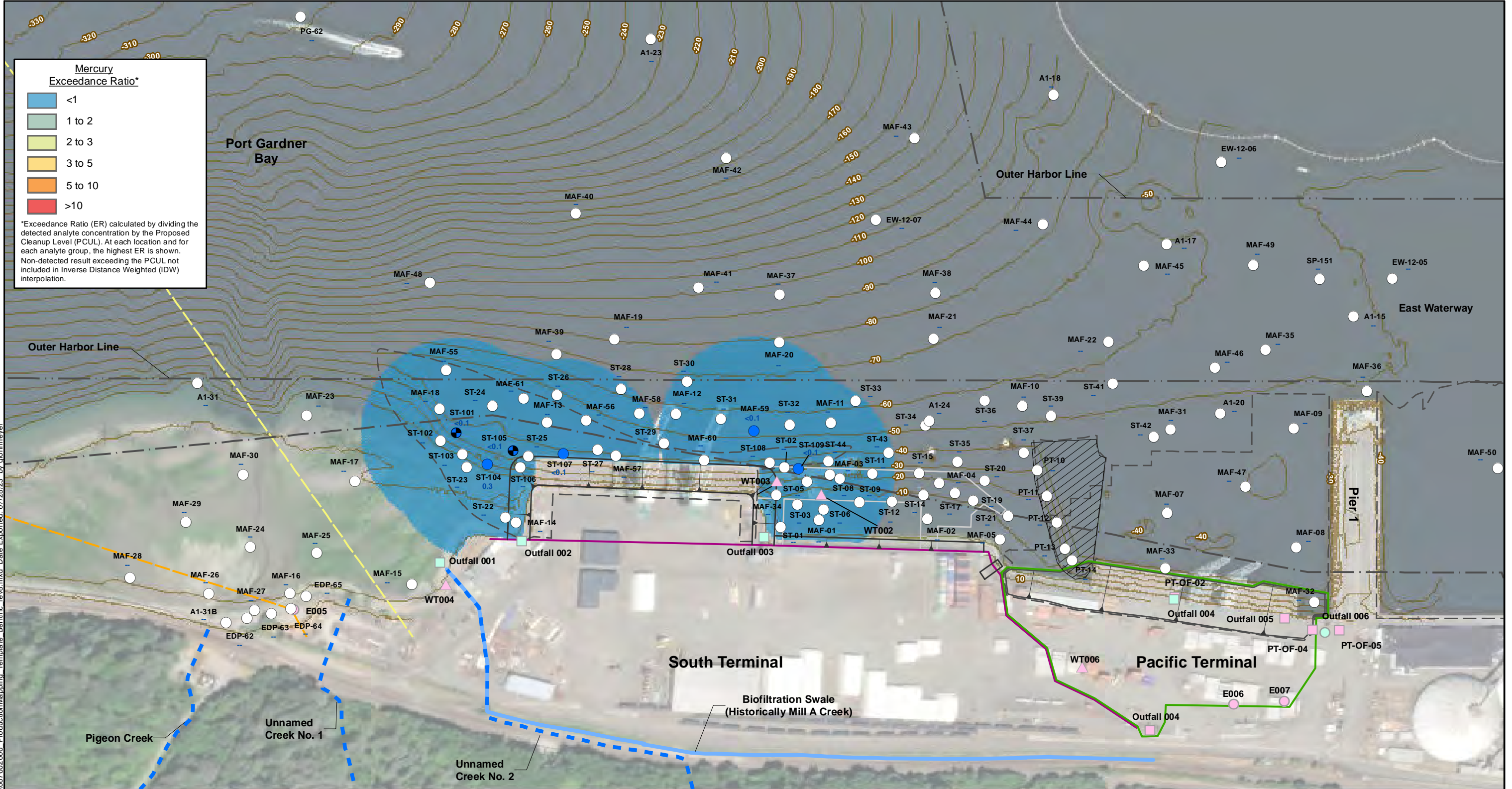
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-104

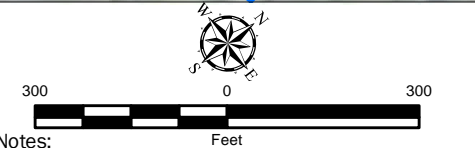


Mercury Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

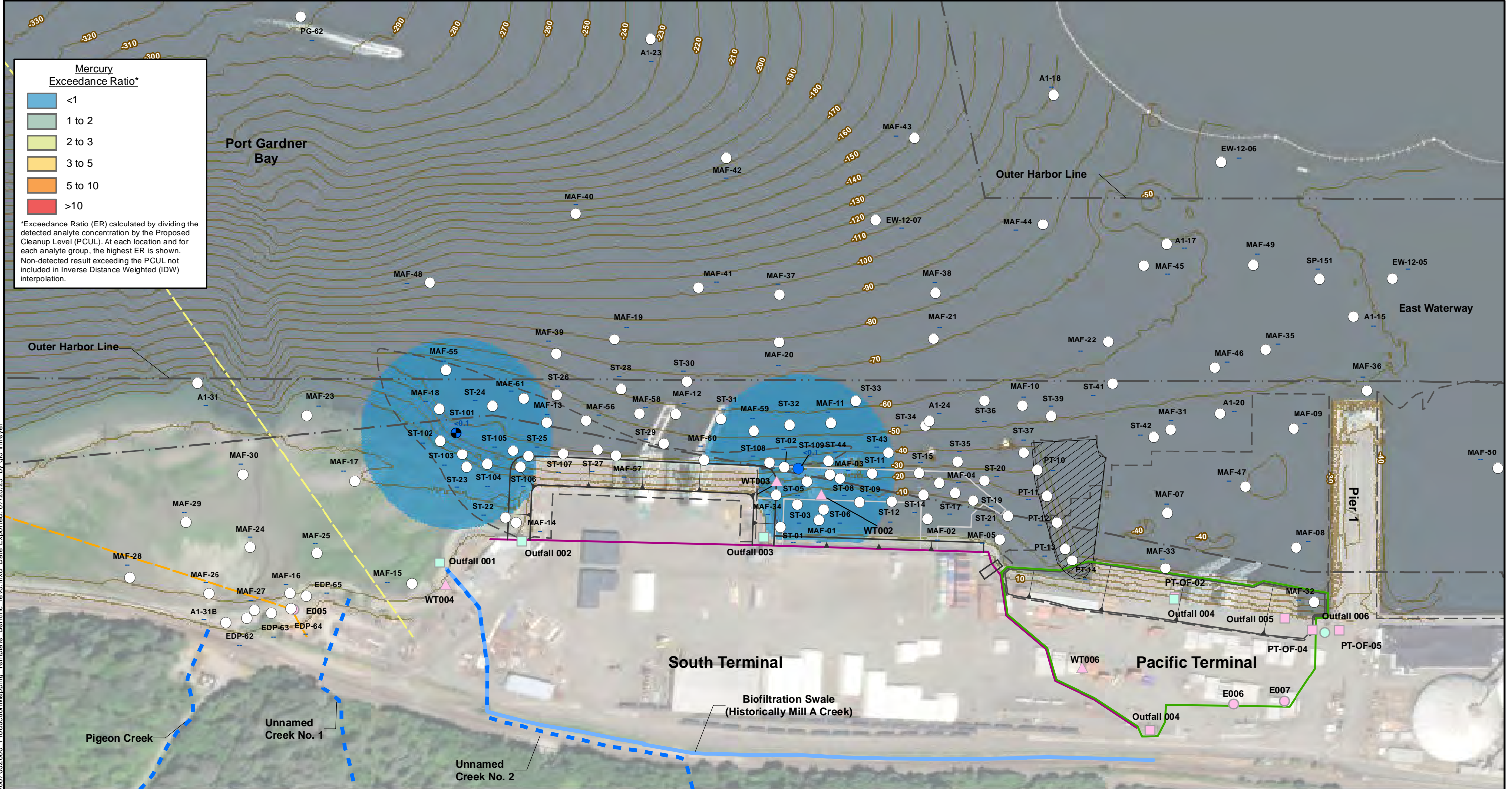
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-105

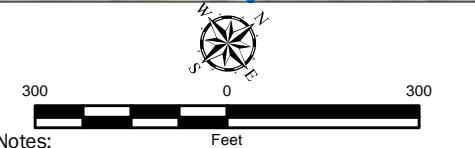


Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

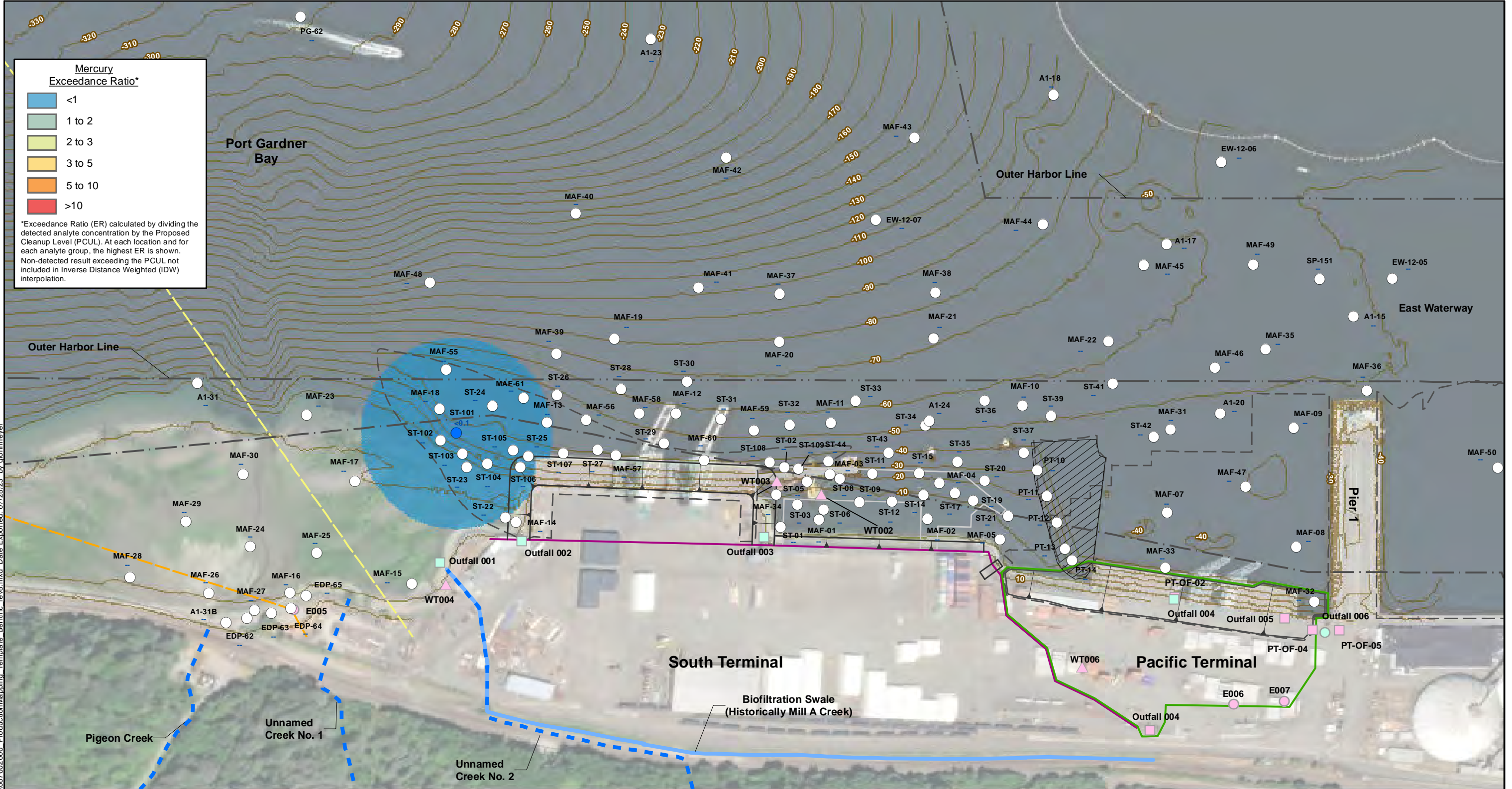
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-106

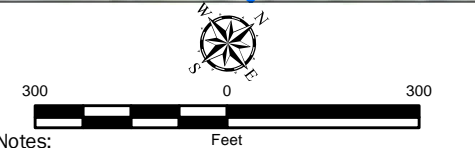


Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

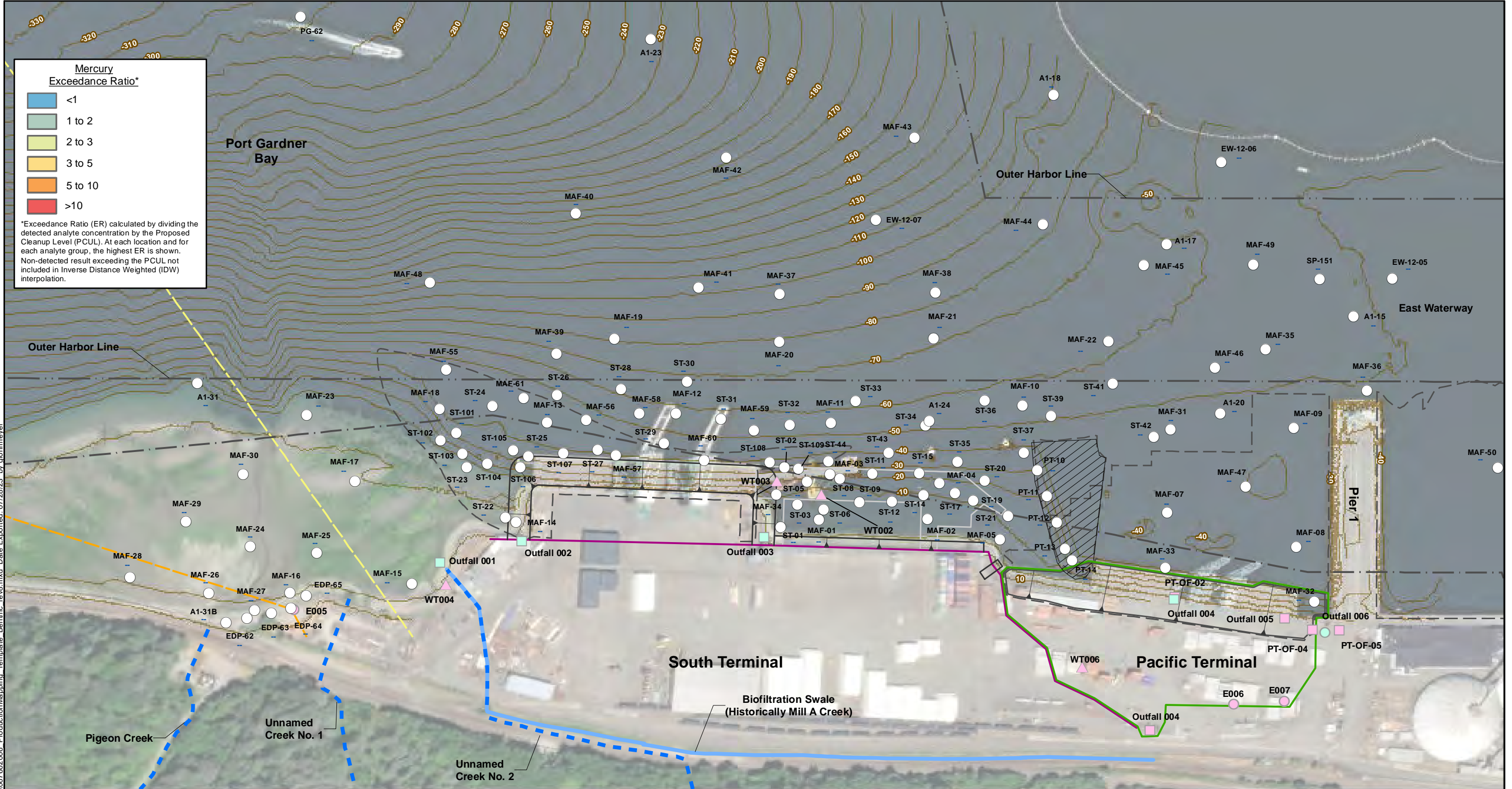
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-107



Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

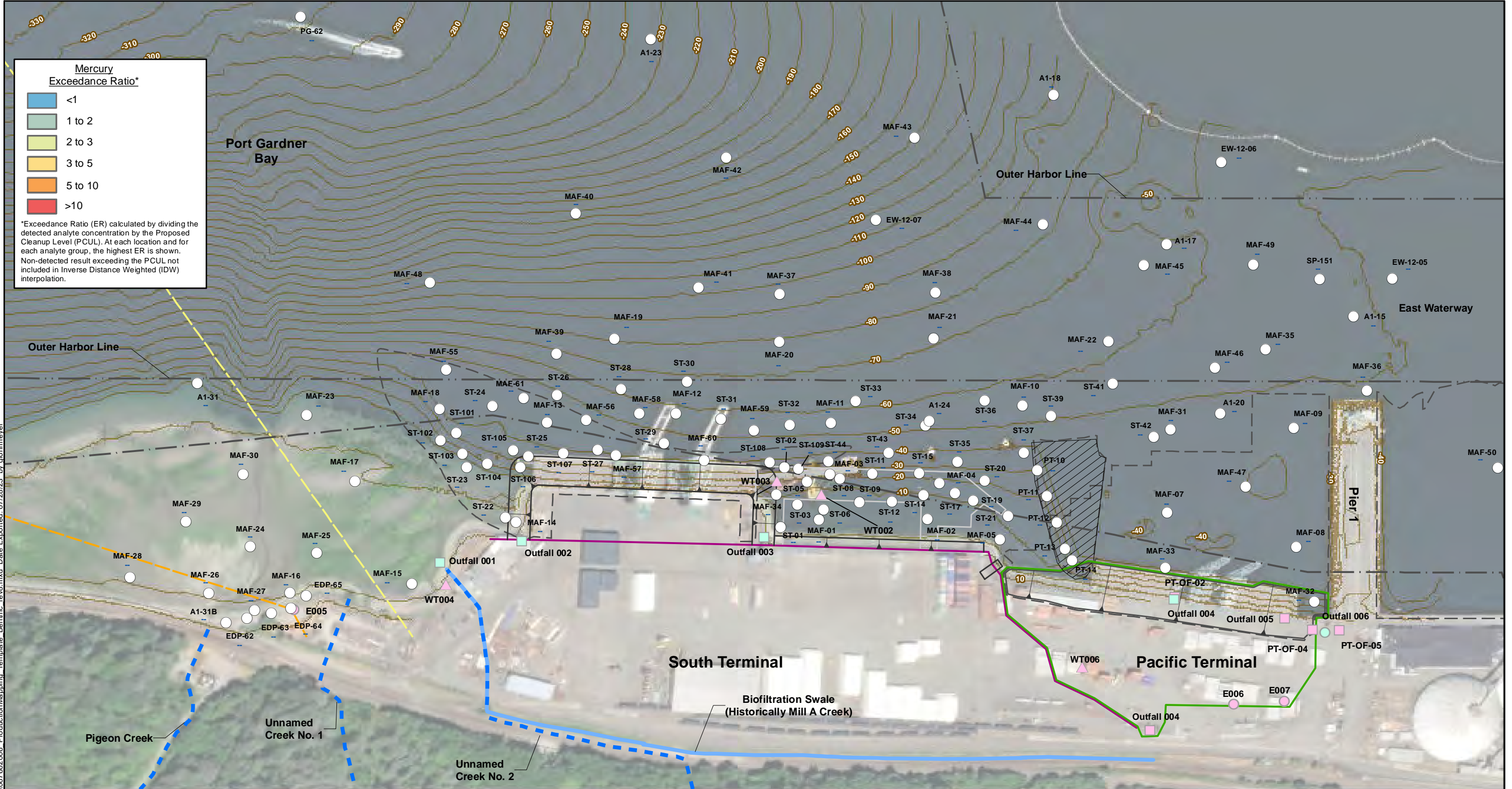
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-108



Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

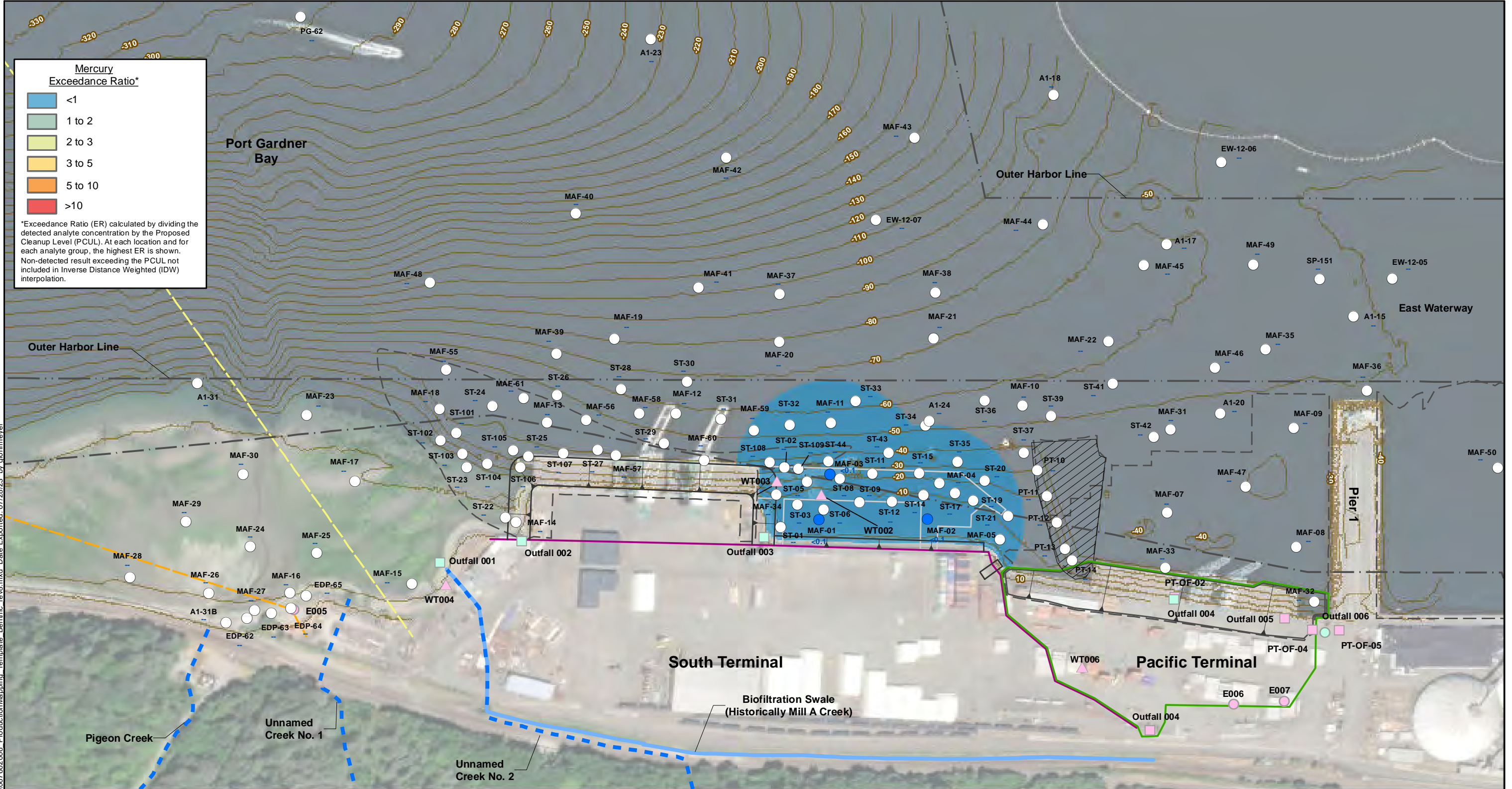
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-109

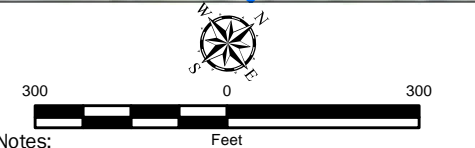


Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

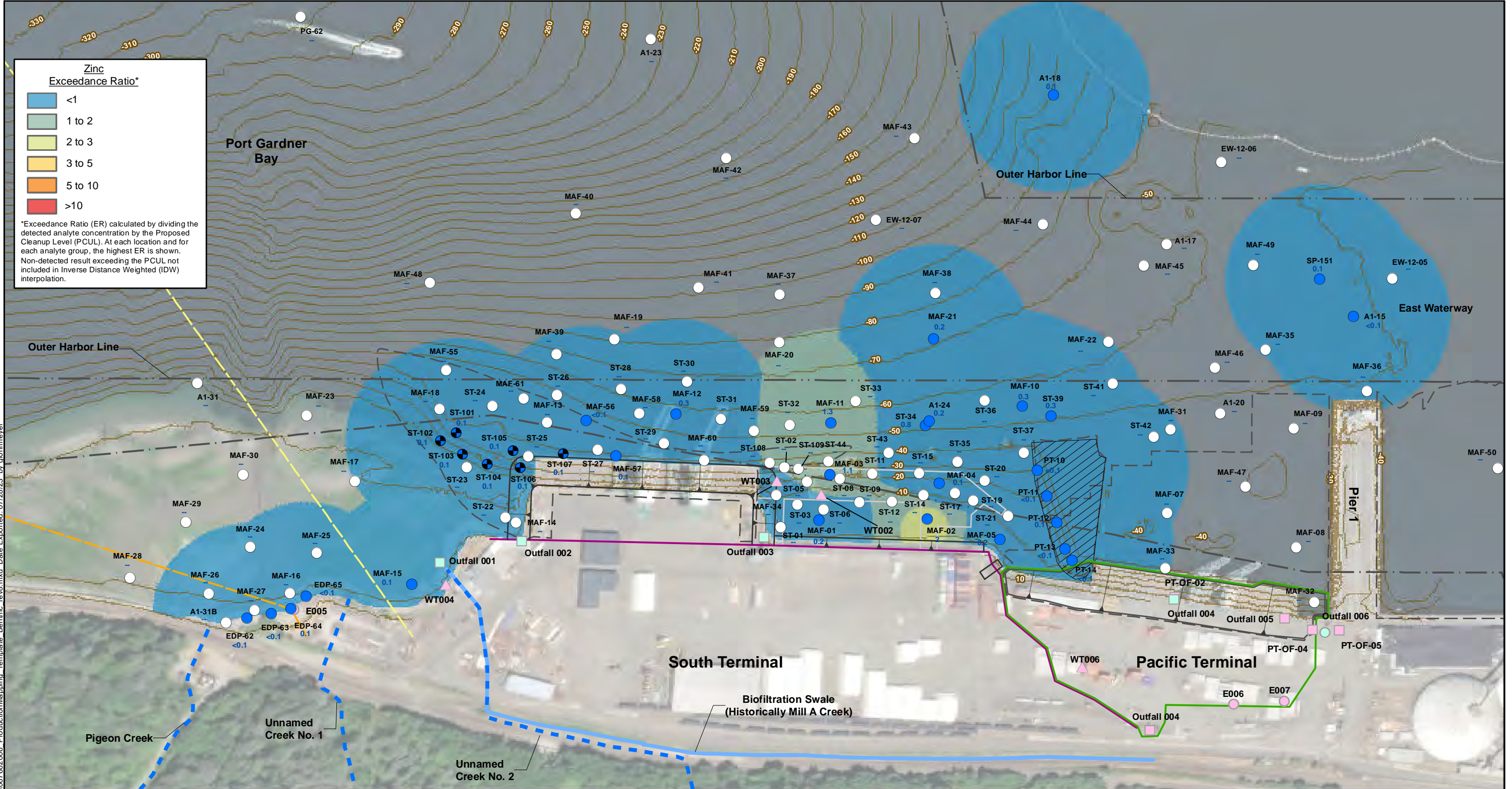
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Benthic)
Subsurface Sediment (20-22 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-110



Zinc Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

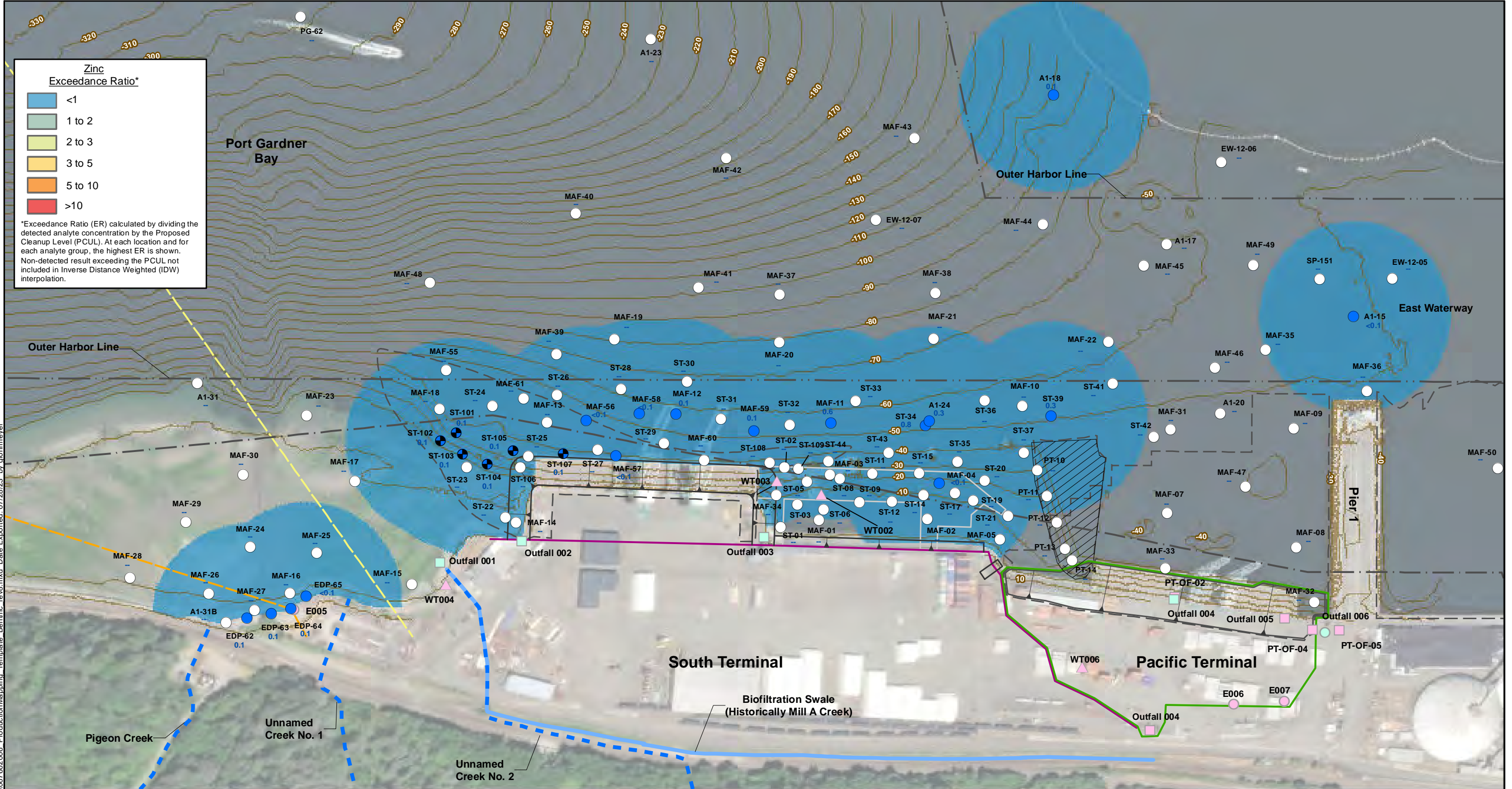
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Zinc Results (Benthic)
Subsurface Sediment (0-2 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-111



Zinc Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

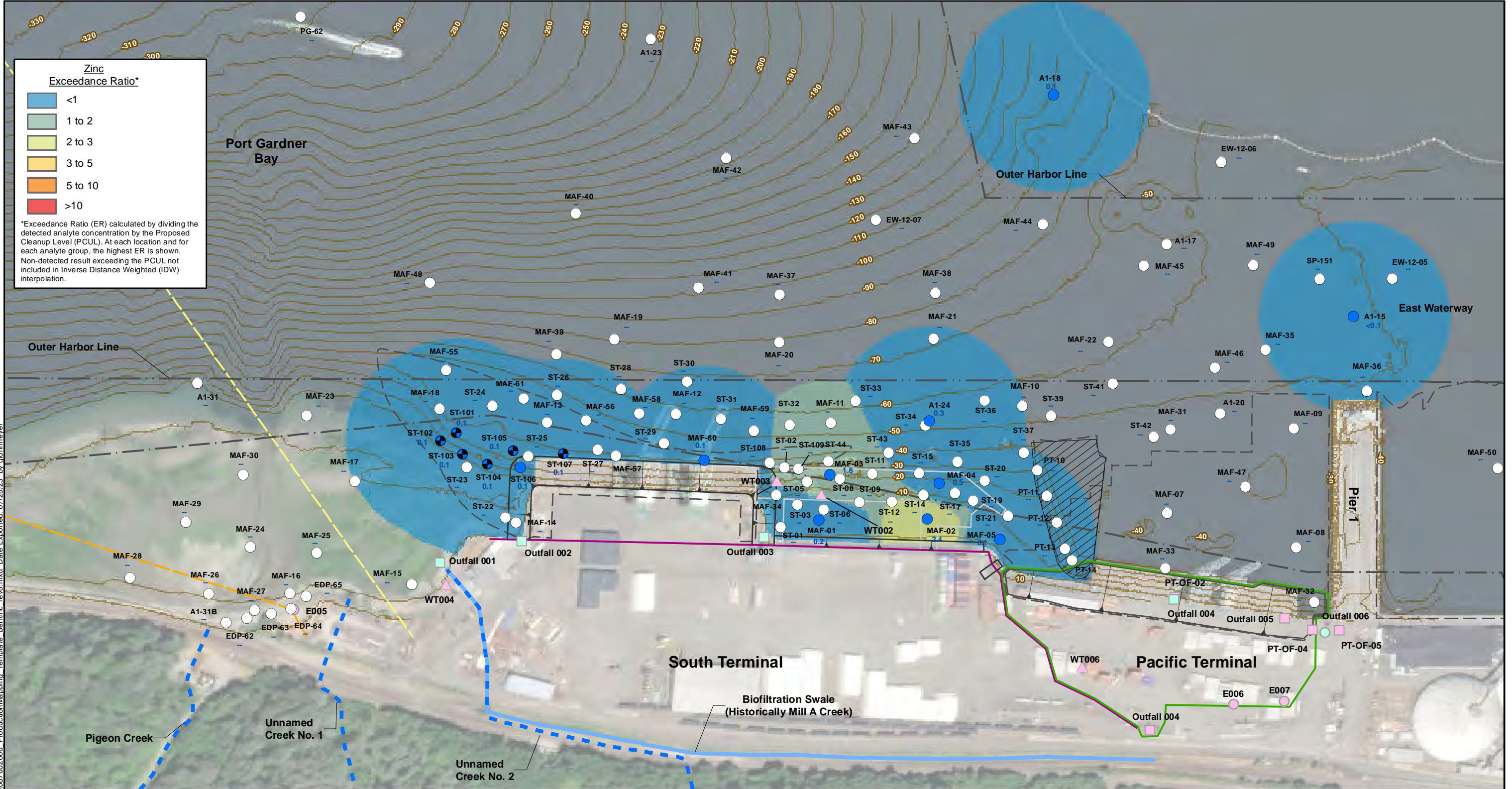
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Zinc Results (Benthic)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-112



Zinc Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

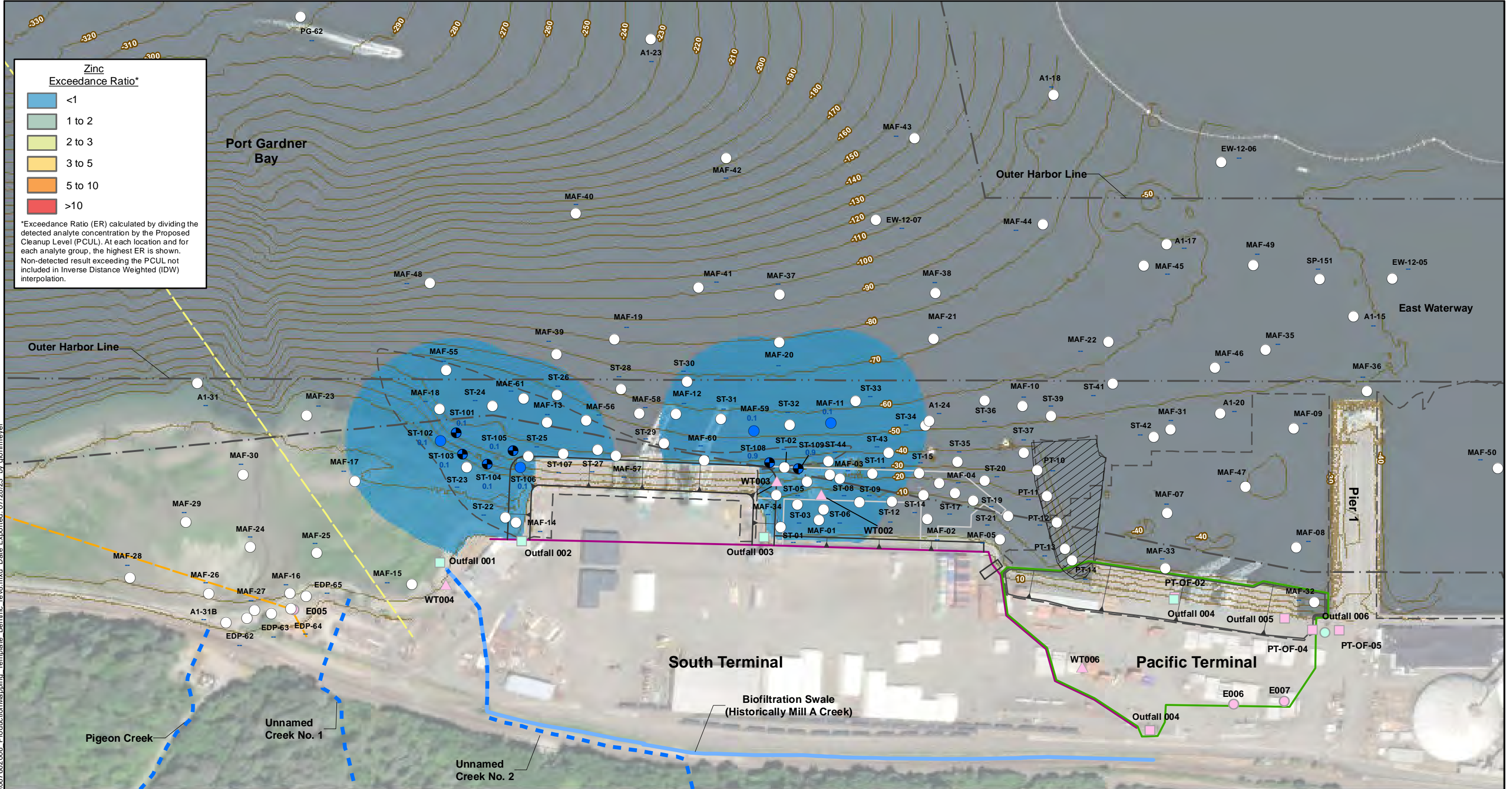
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Zinc Results (Benthic)
Subsurface Sediment (4-6 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-113

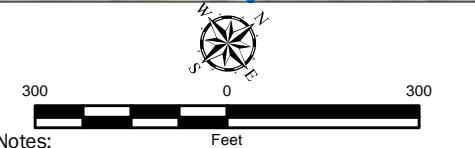


Zinc Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

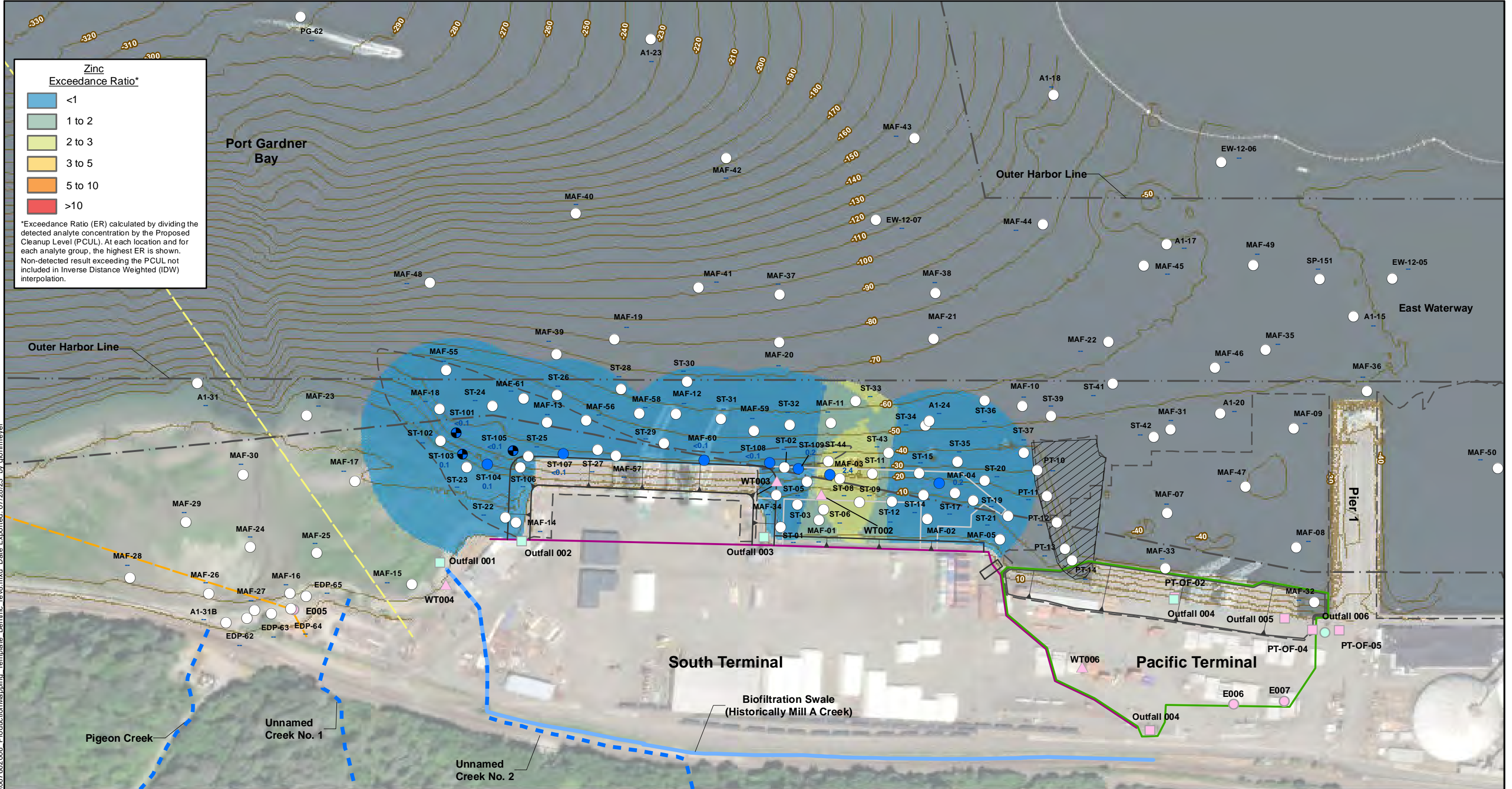
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Zinc Results (Benthic)
Subsurface Sediment (6-8 ft)**

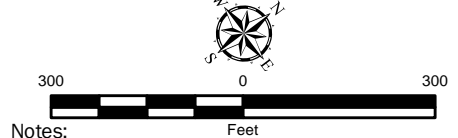
Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-114



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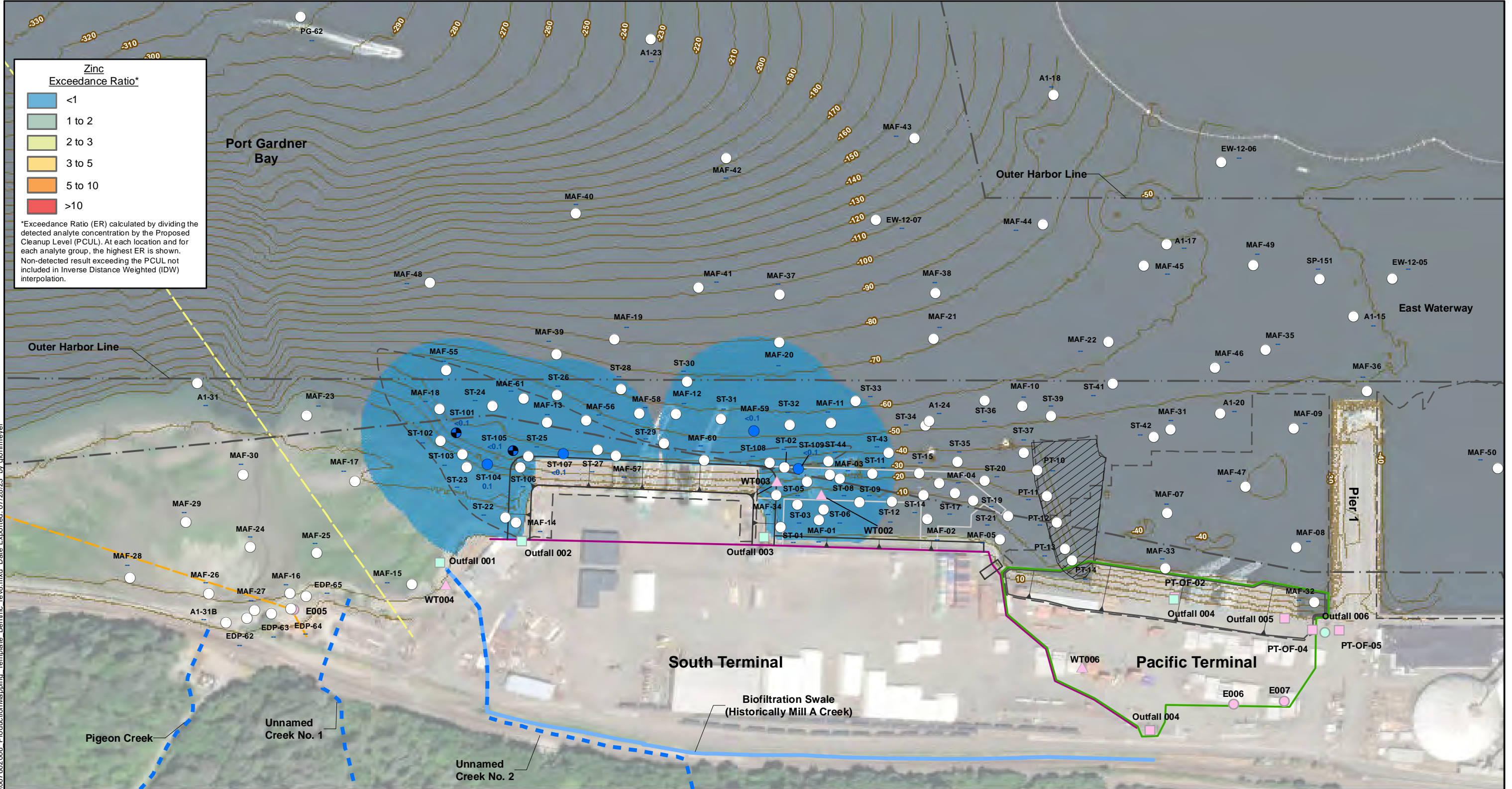
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 3. Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.
 Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location
 ● Discreet Sample Result
 ○ No Sample/Result
 ○ Non-Detect Result Exceeds PCUL
 ⊕ Composite Sample Result
 ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result
 ▭ Construction Berm
 ▭ Historical Piling Area
 ▭ Dredged Area
 ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
 - - - Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
 - - - Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

— Bulkhead
 — Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
 ▲ Historical Industrial Outfall (Abandoned)
 ● Former Combined Sewer Outfall (CSO, Abandoned)
 ● Former Stormwater Outfall (Abandoned)
 ● Current CSO
 ● Current Stormwater Outfall

| | |
|---|---------------------|
| Zinc Results (Benthic) Subsurface Sediment (8-10 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-115 |



Zinc Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- > 10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

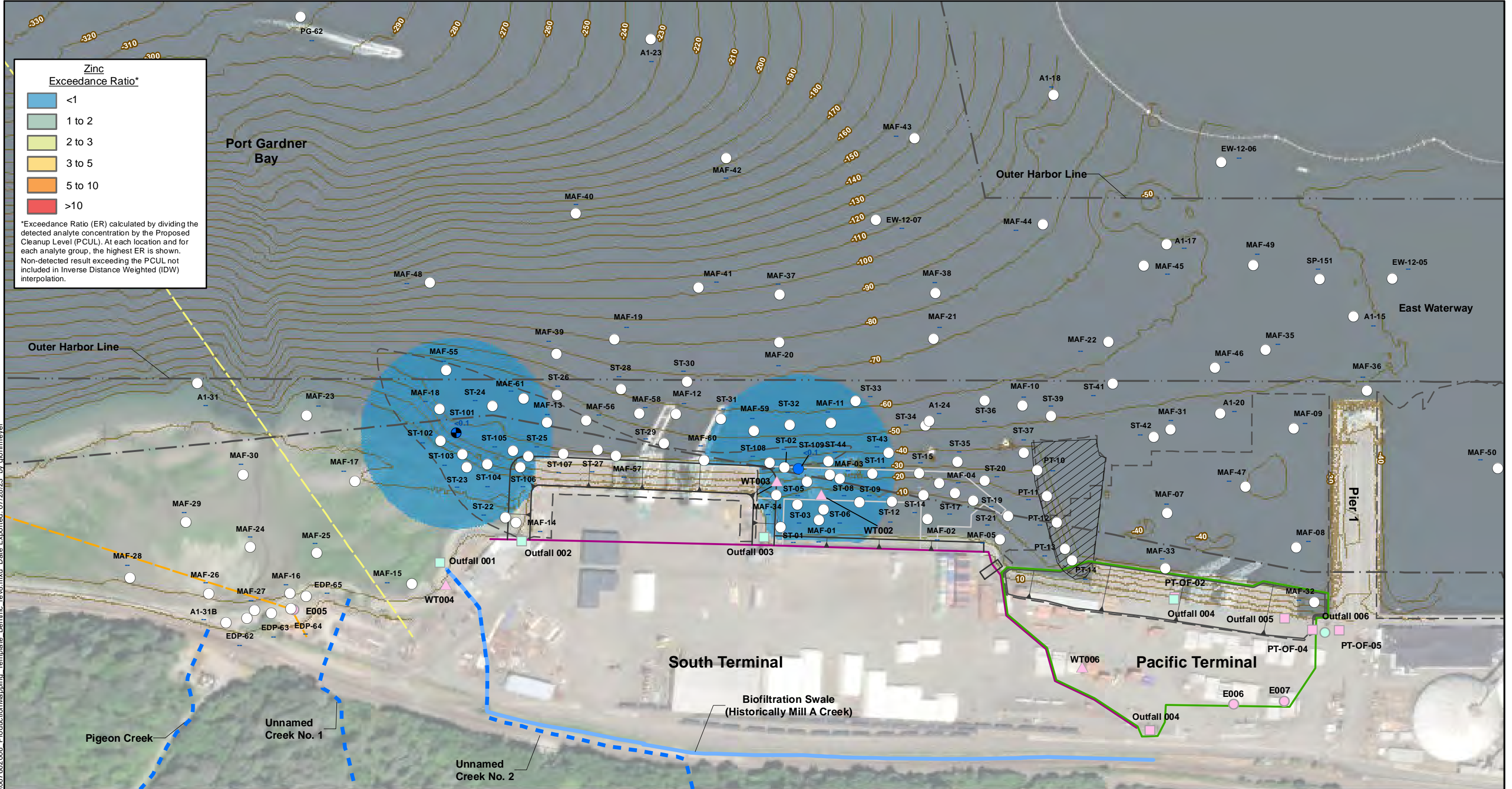
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Zinc Results (Benthic)
Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-116

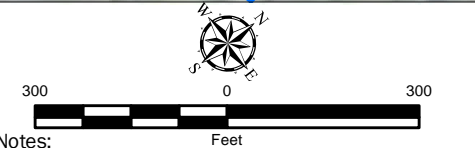


Zinc Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

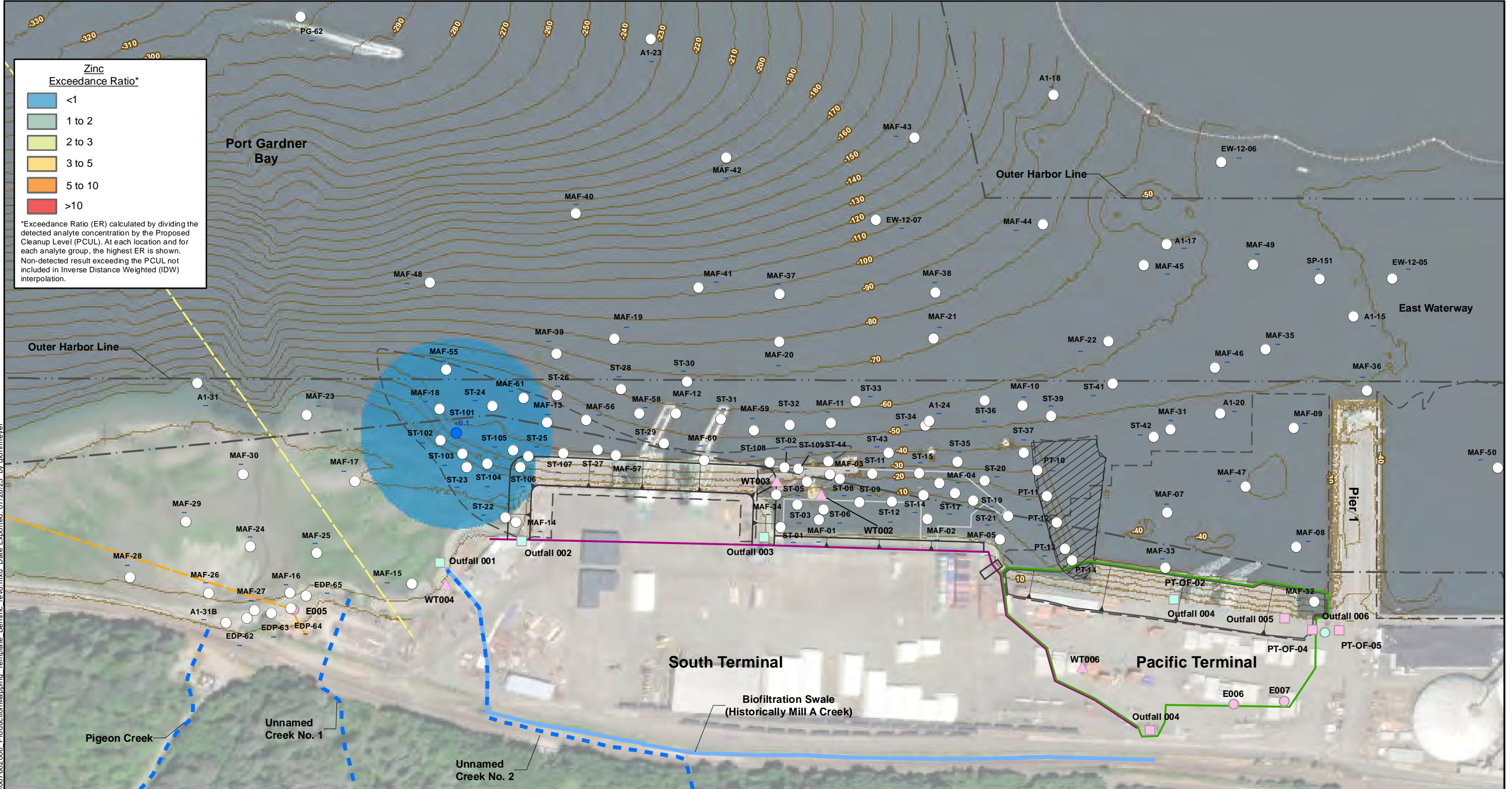
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Zinc Results (Benthic)
Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-117



Zinc Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- > 10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

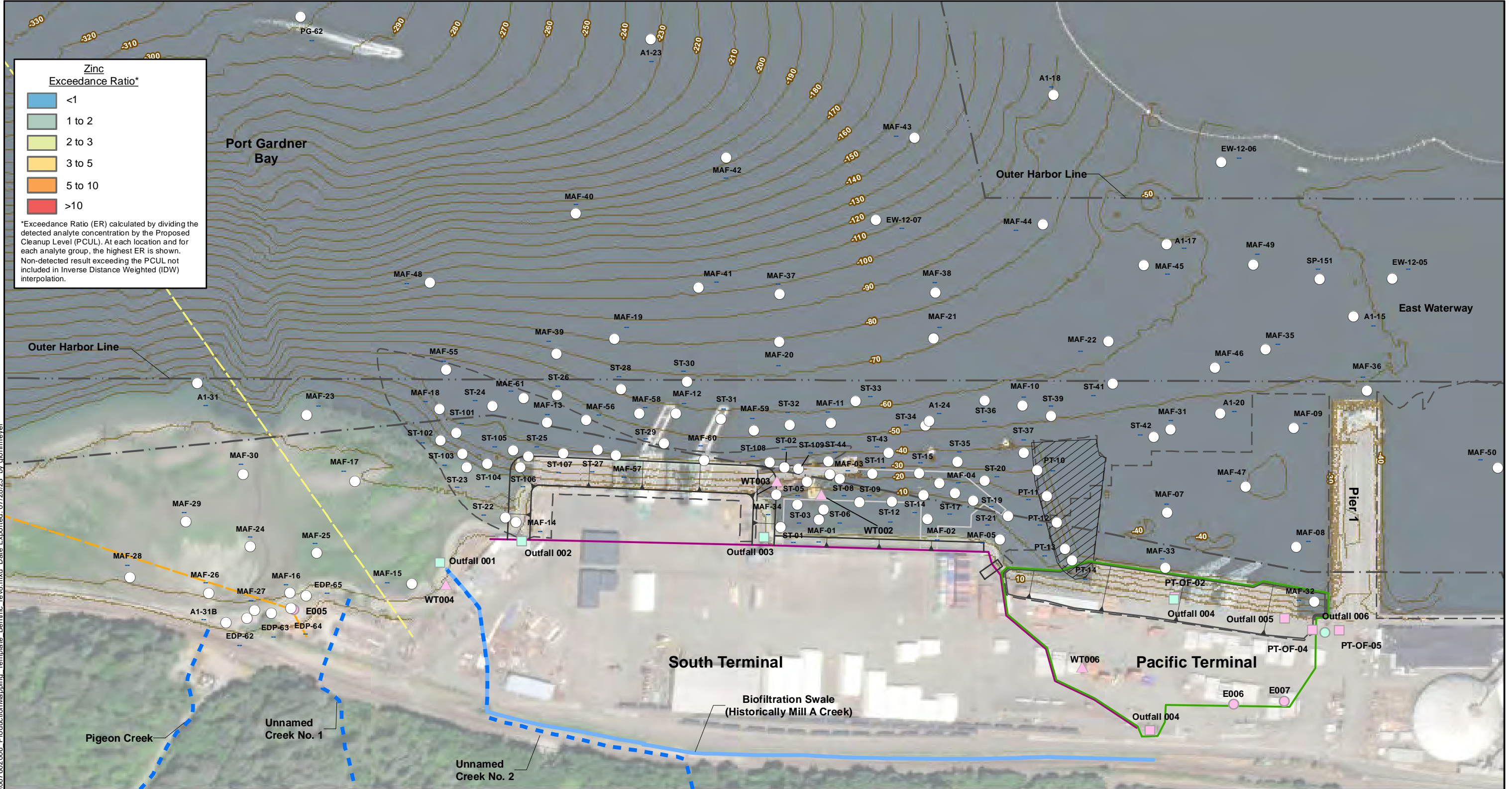
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Zinc Results (Benthic)
Subsurface Sediment (14-16 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-118



Zinc Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

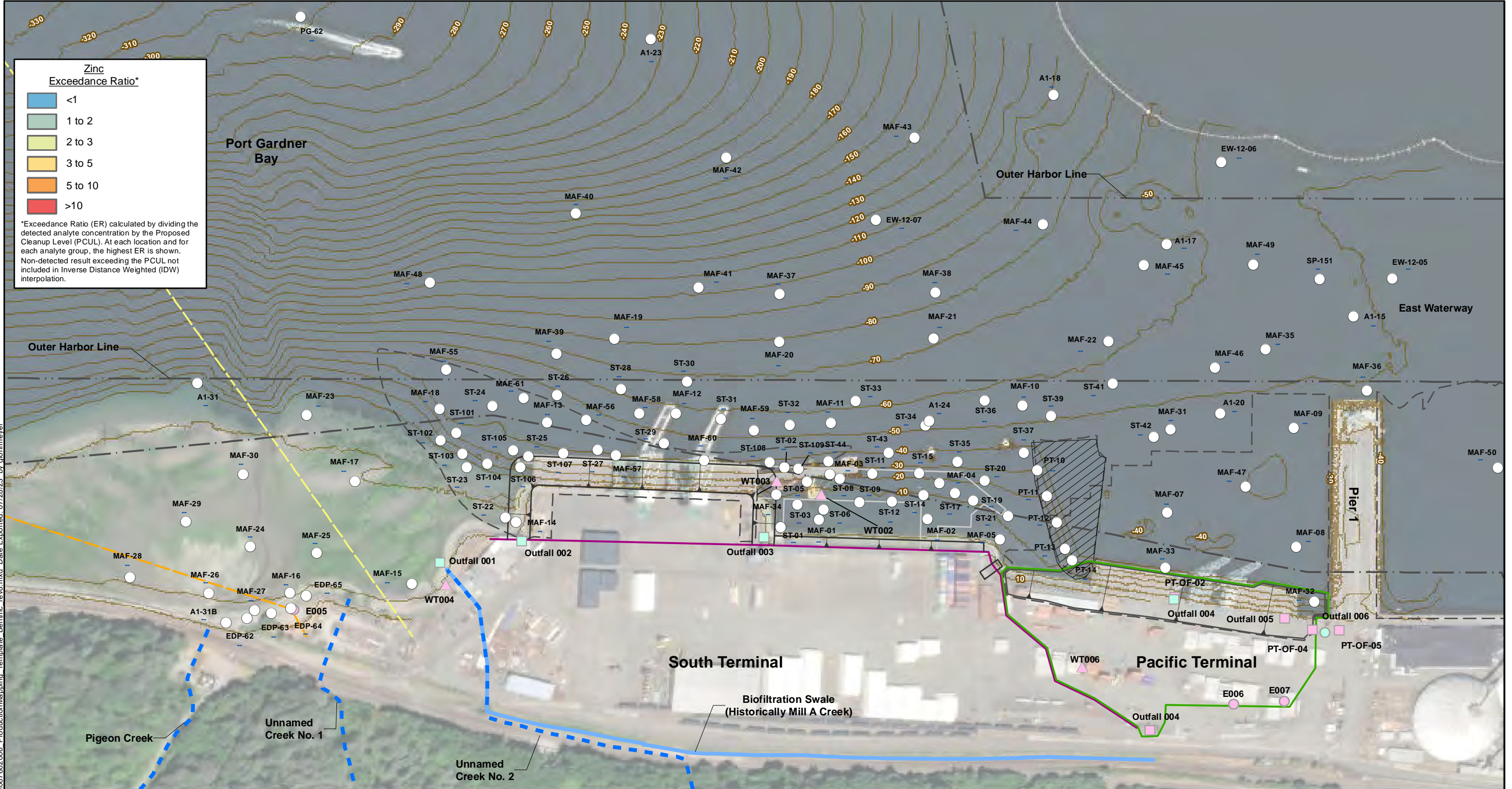
- MAF-01 Sample Location Identification Result
- 1.22
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

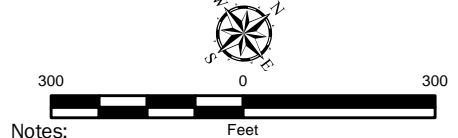
**Zinc Results (Benthic)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-119



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 Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

- Marine Area Remedial Investigation Sampling Location**
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

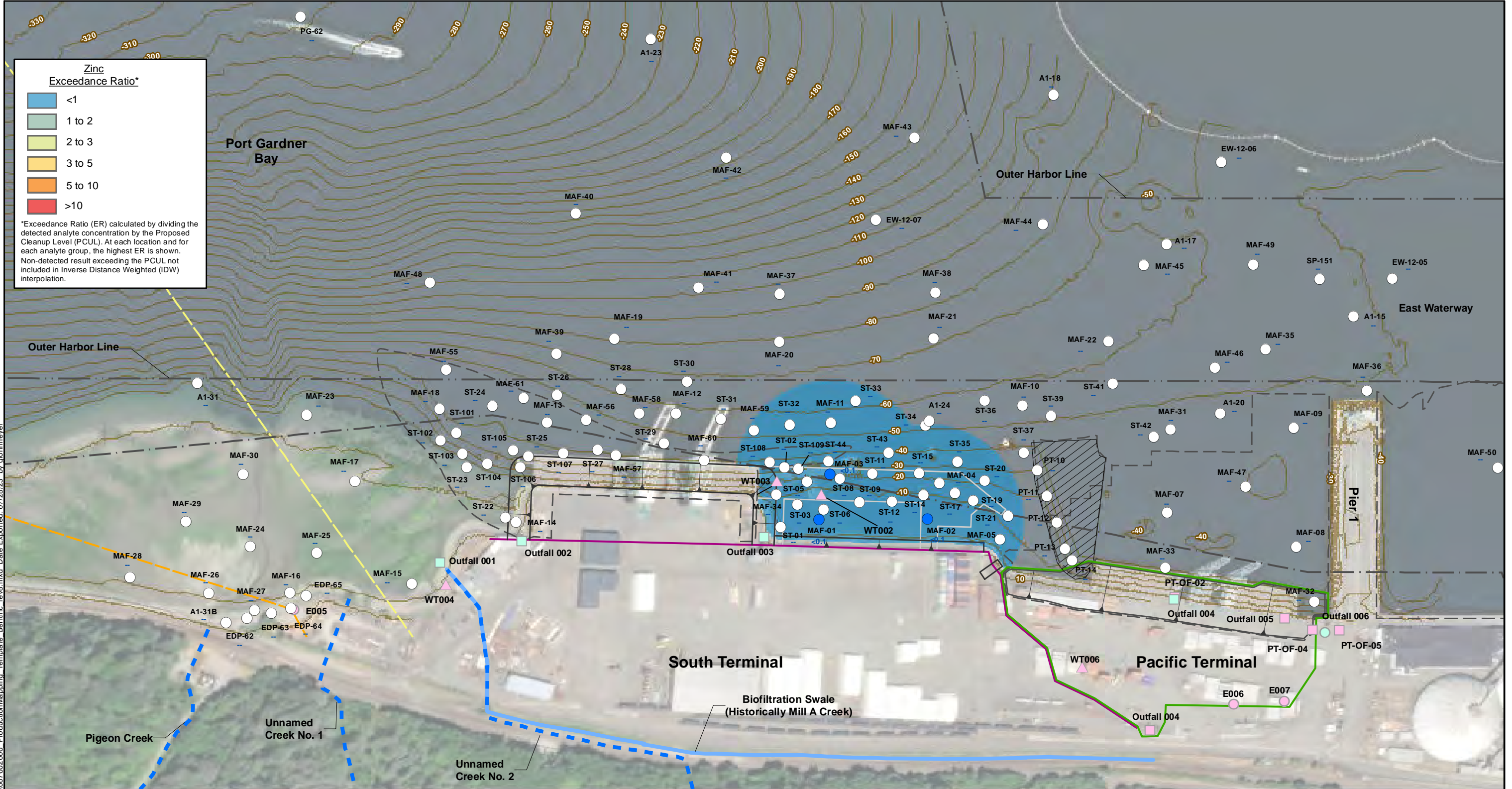
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Zinc Results (Benthic)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-120

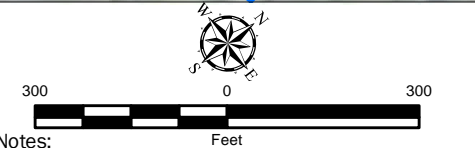


Zinc Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

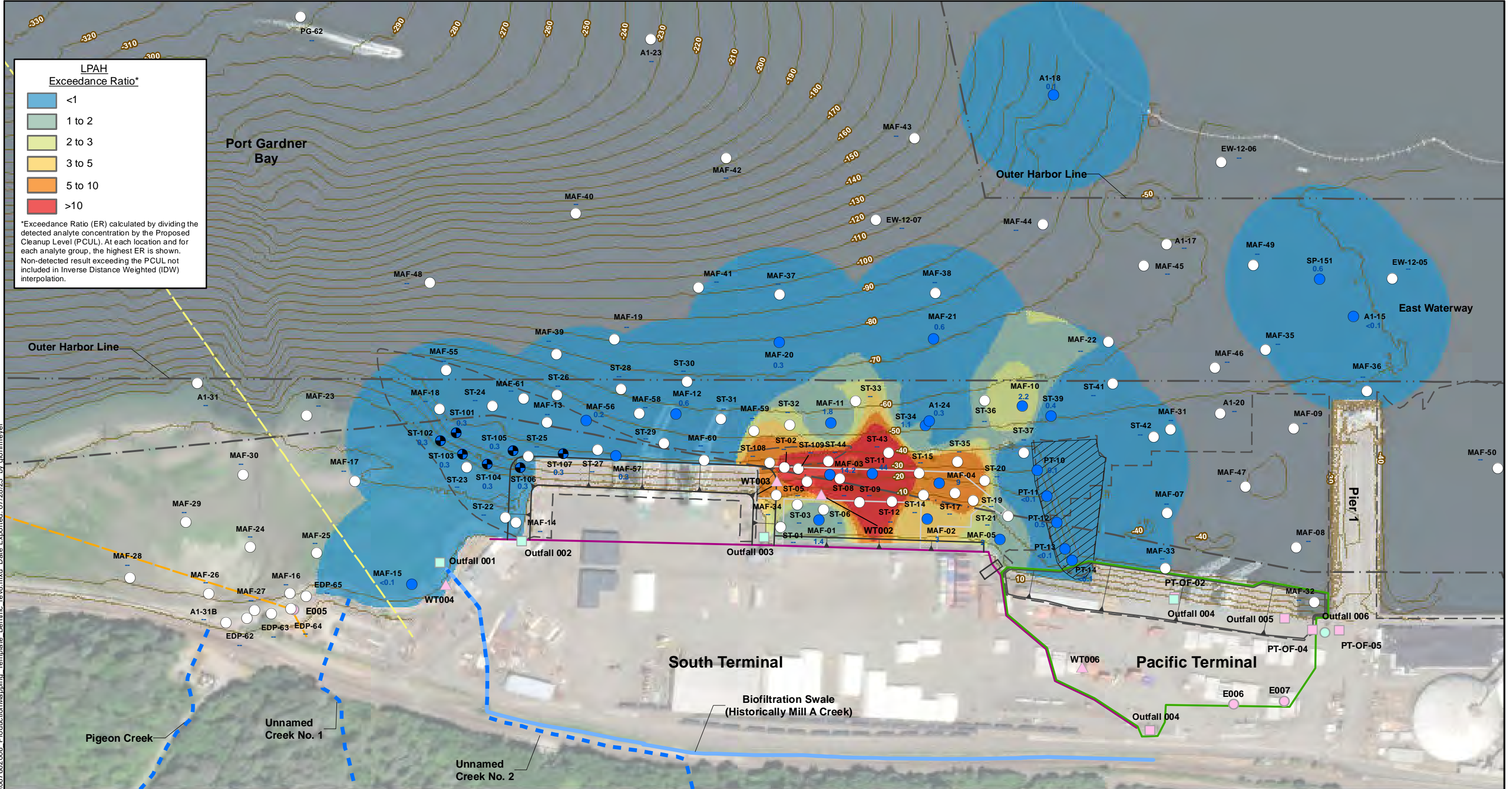
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Zinc Results (Benthic)
Subsurface Sediment (20-22 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-121



LPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

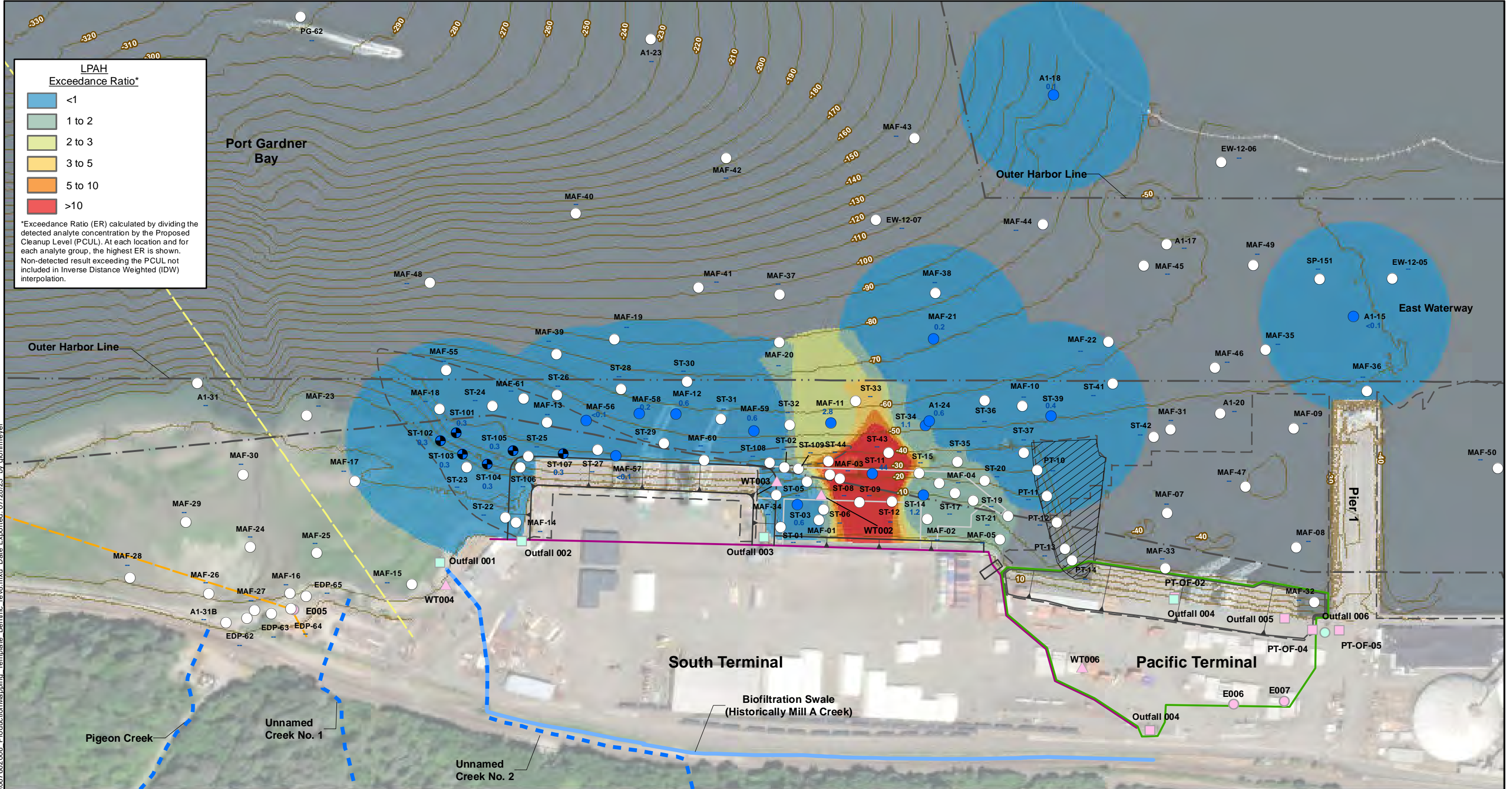
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-122

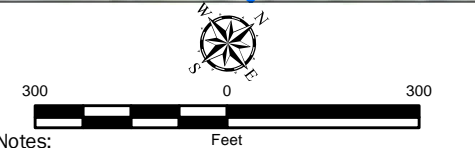


LPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

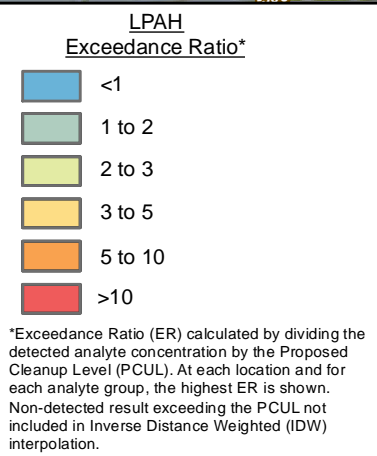
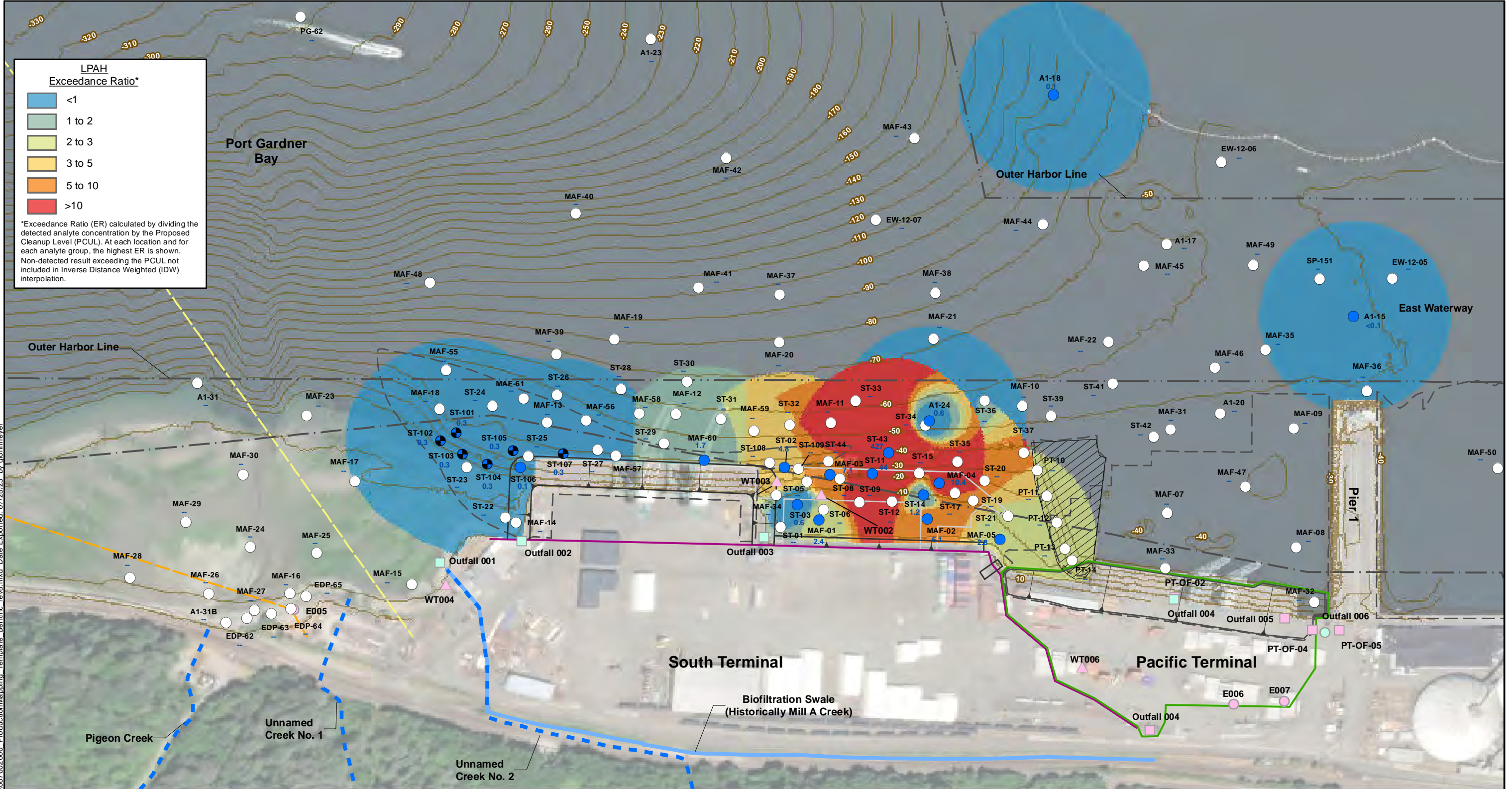
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (2-4 ft)**

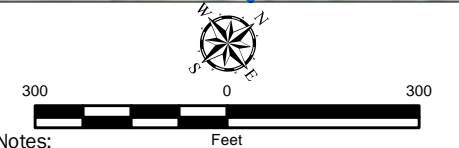
Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-123



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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

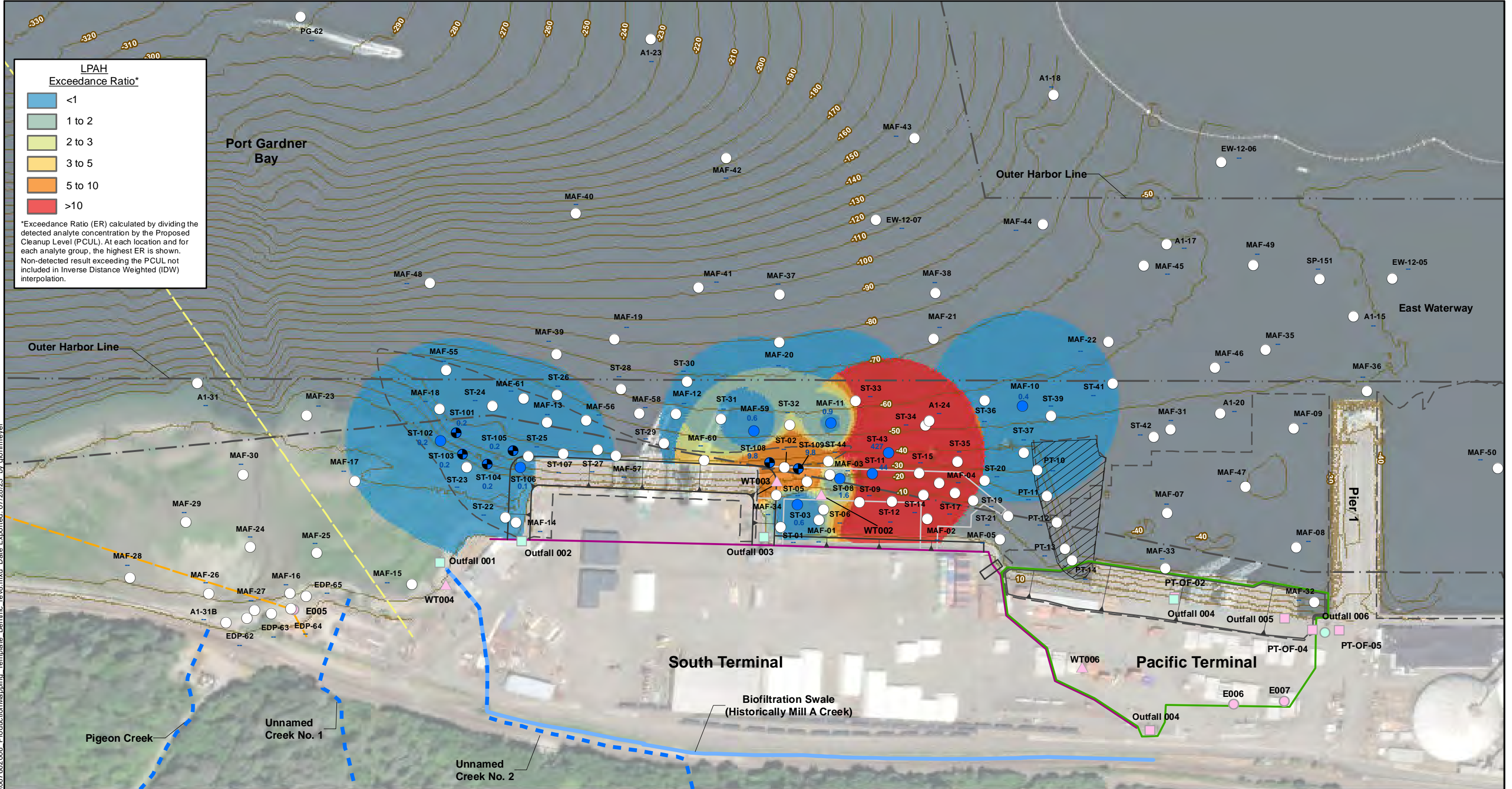
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-124

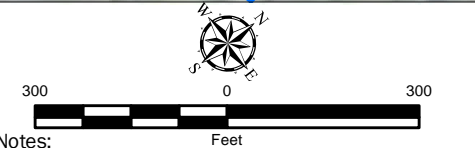


LPAH Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

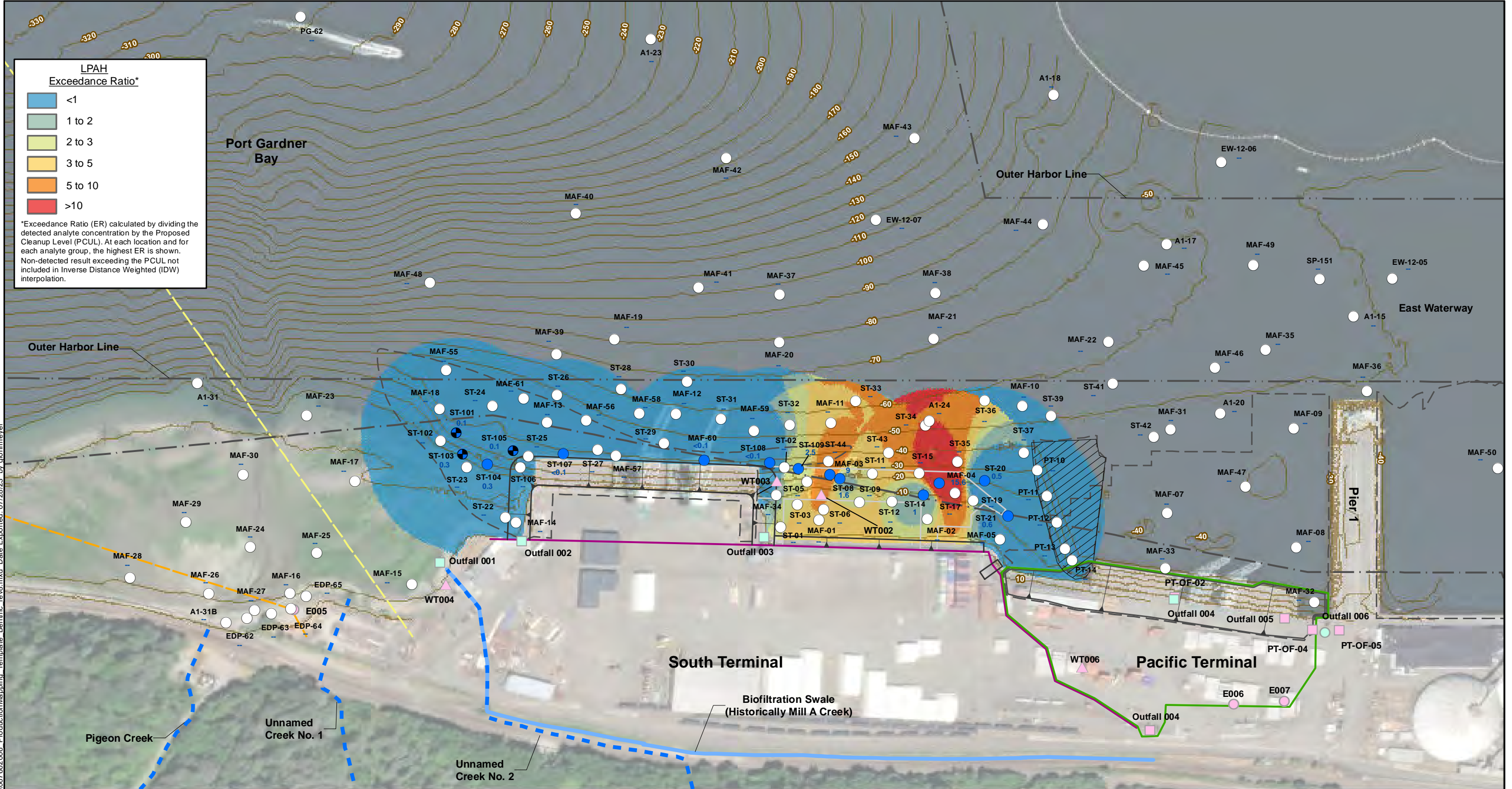
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (6-8 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-125



LPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

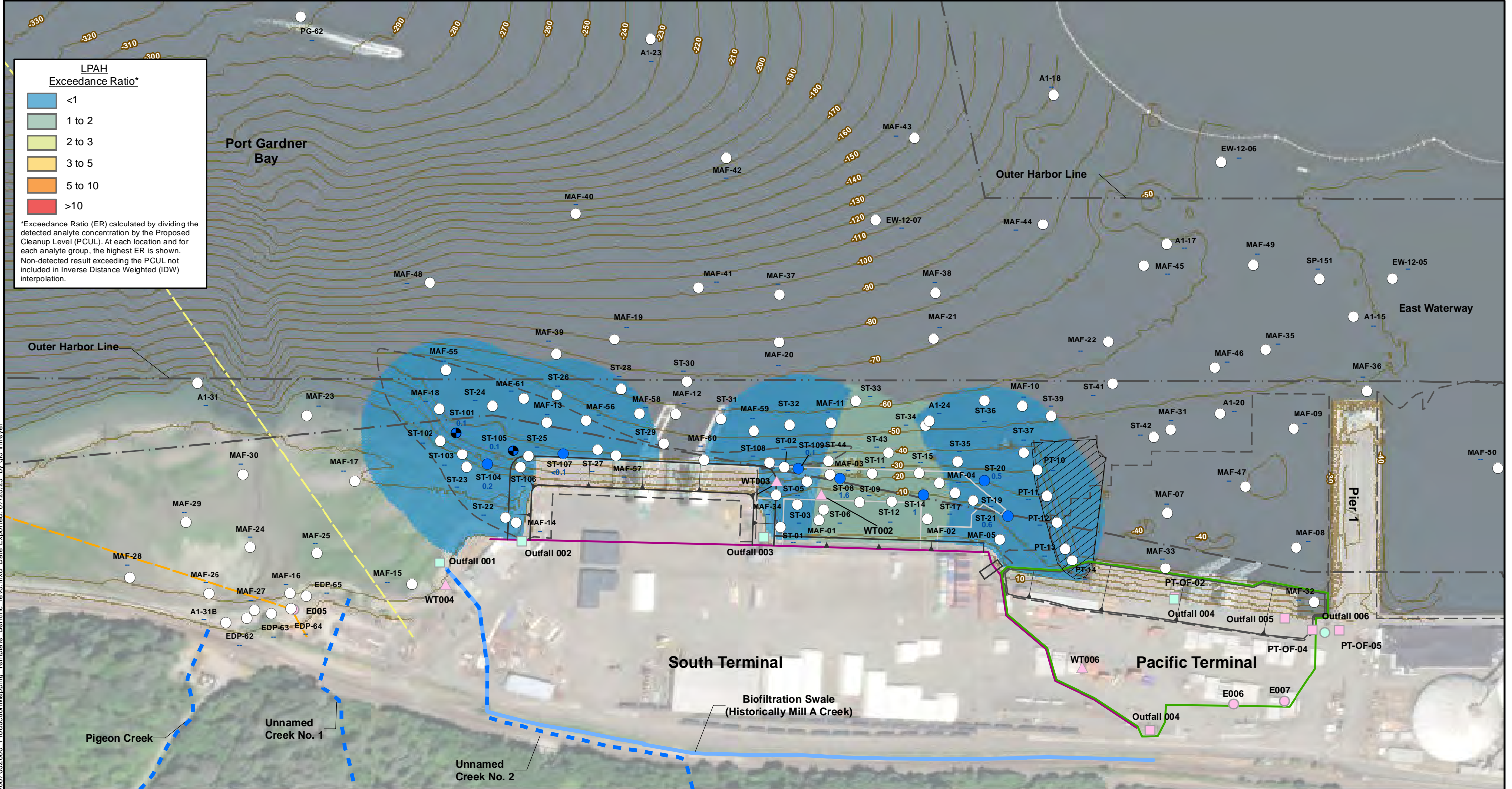
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-126

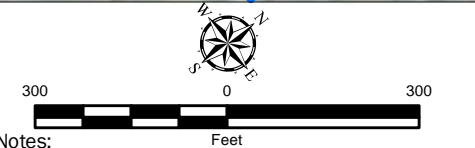


LPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

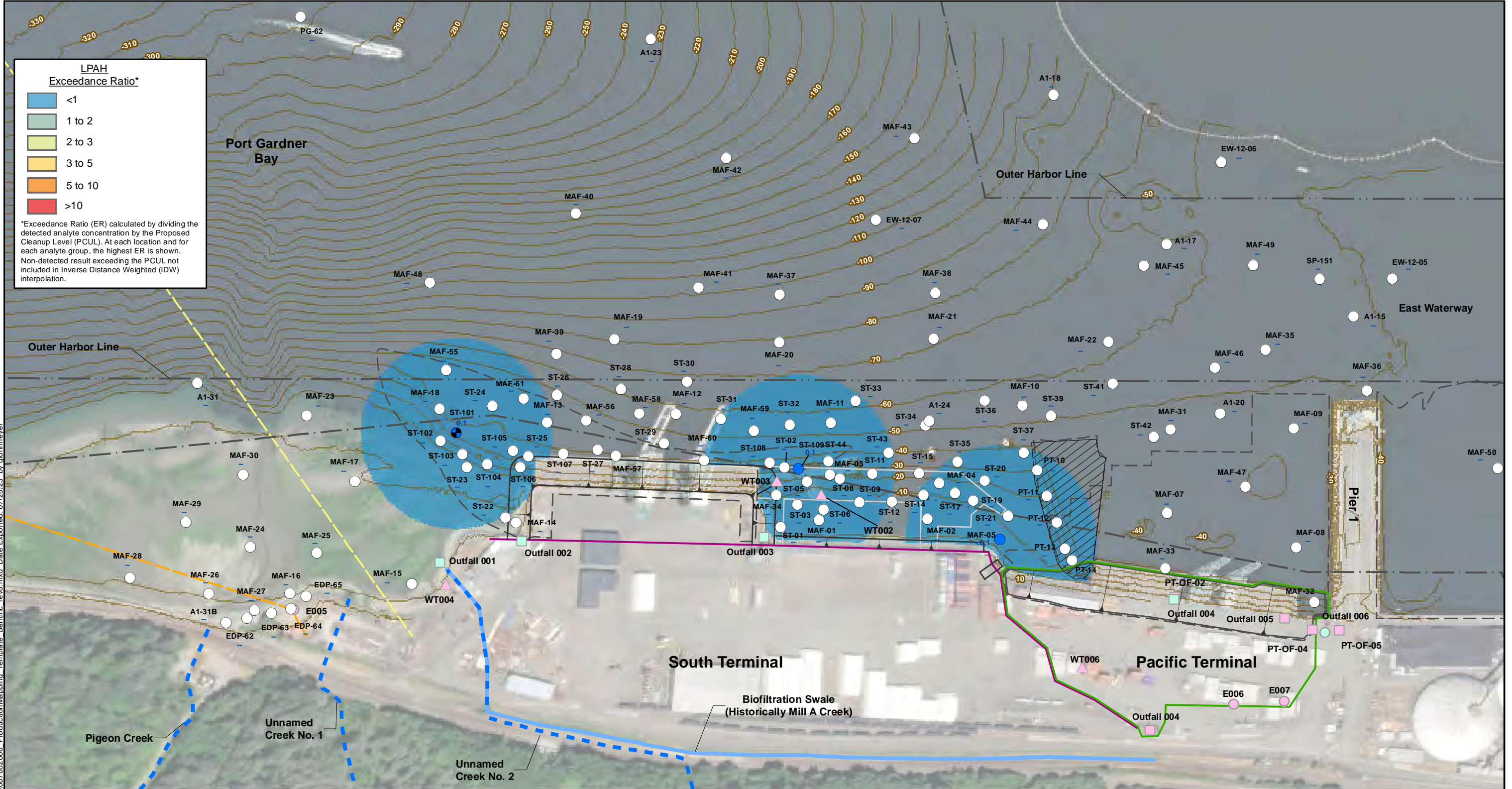
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (10-12 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-127

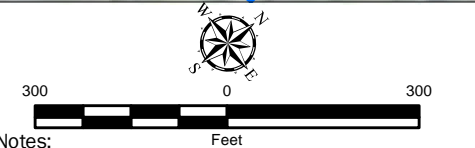


LPAH Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

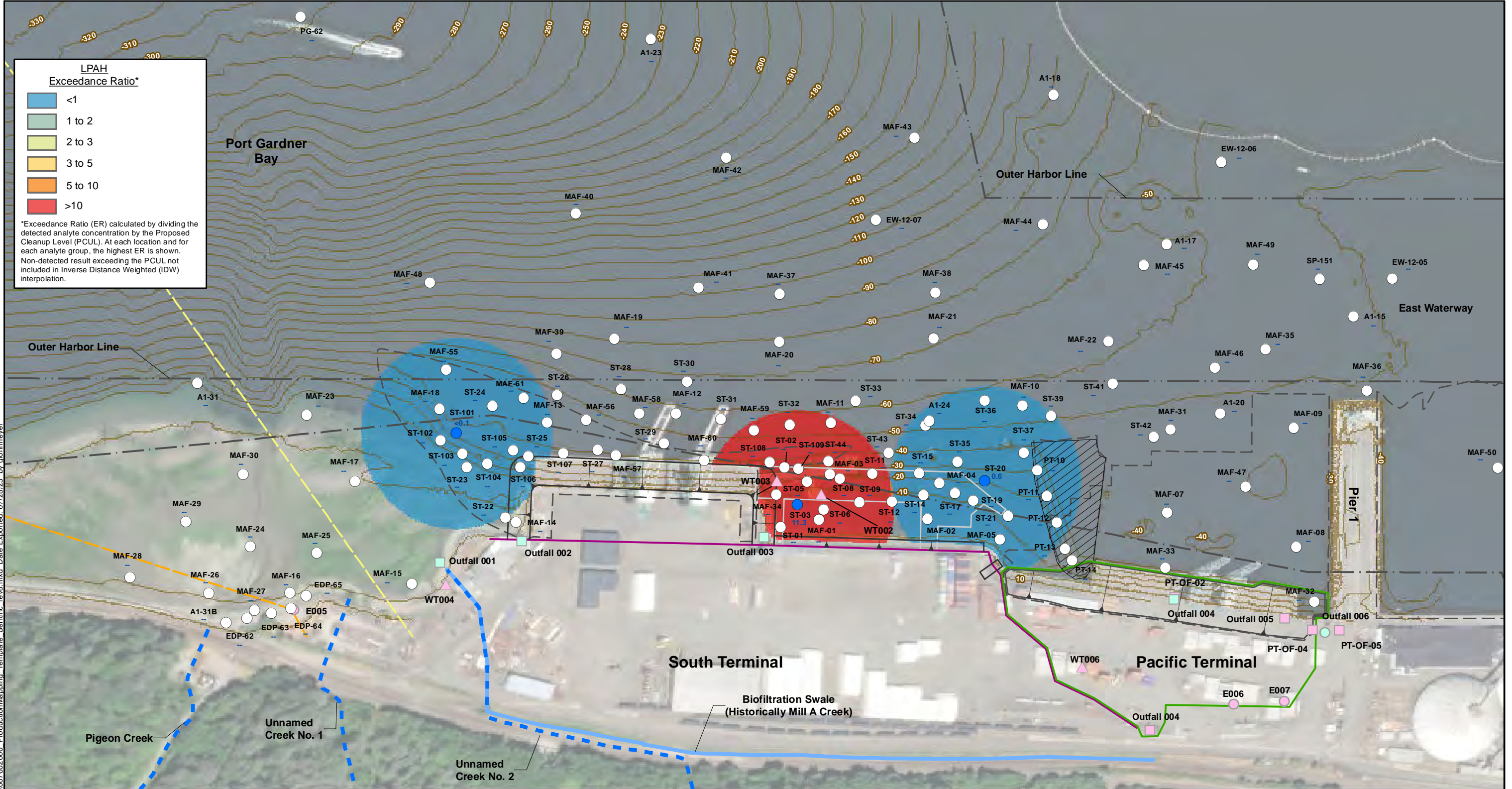
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (12-14 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-128

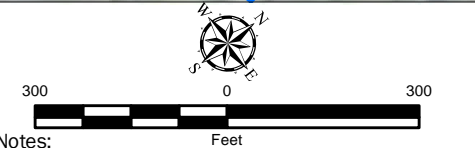


LPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

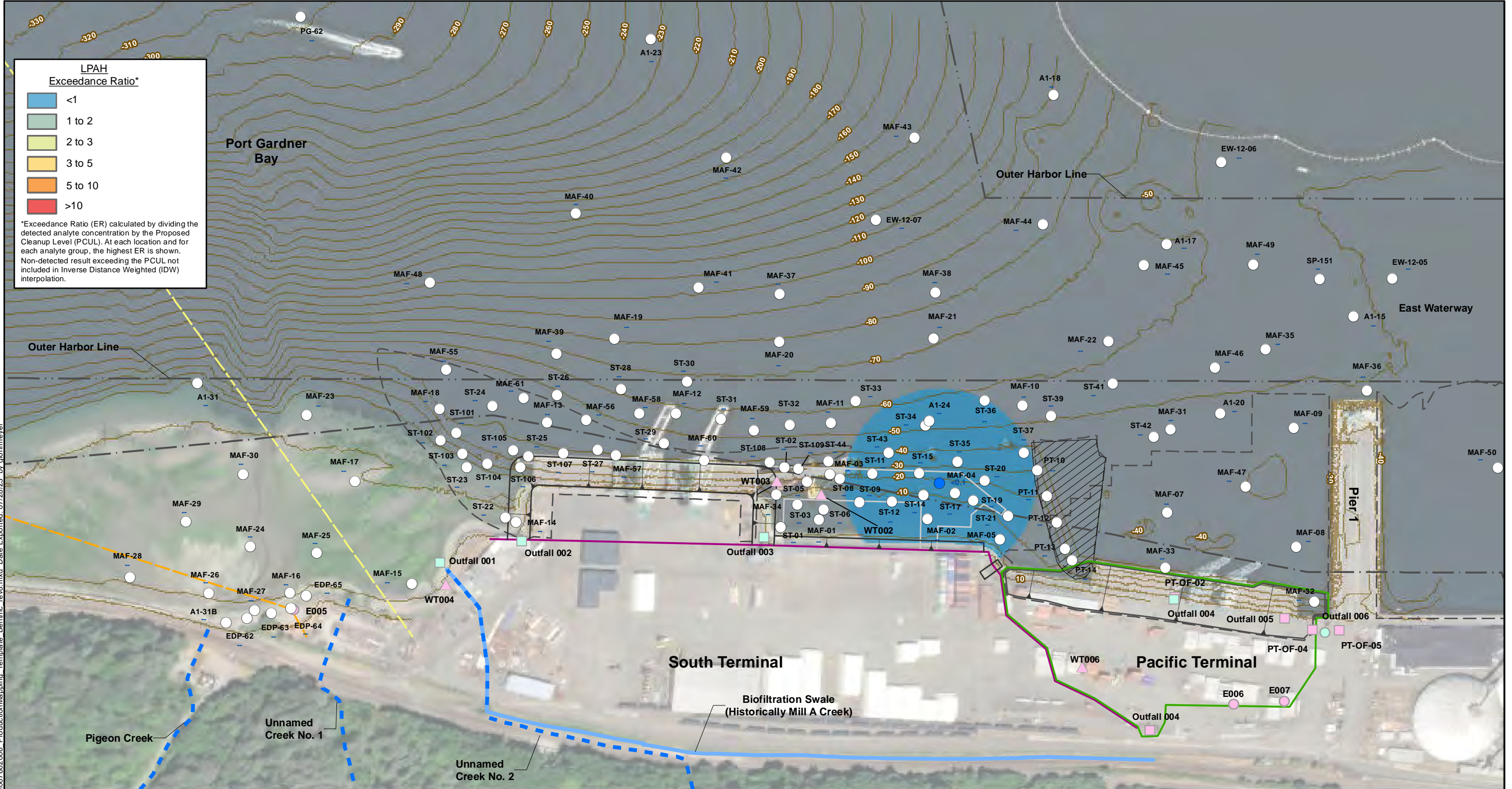
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-129

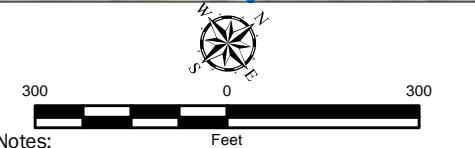


LPAH Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

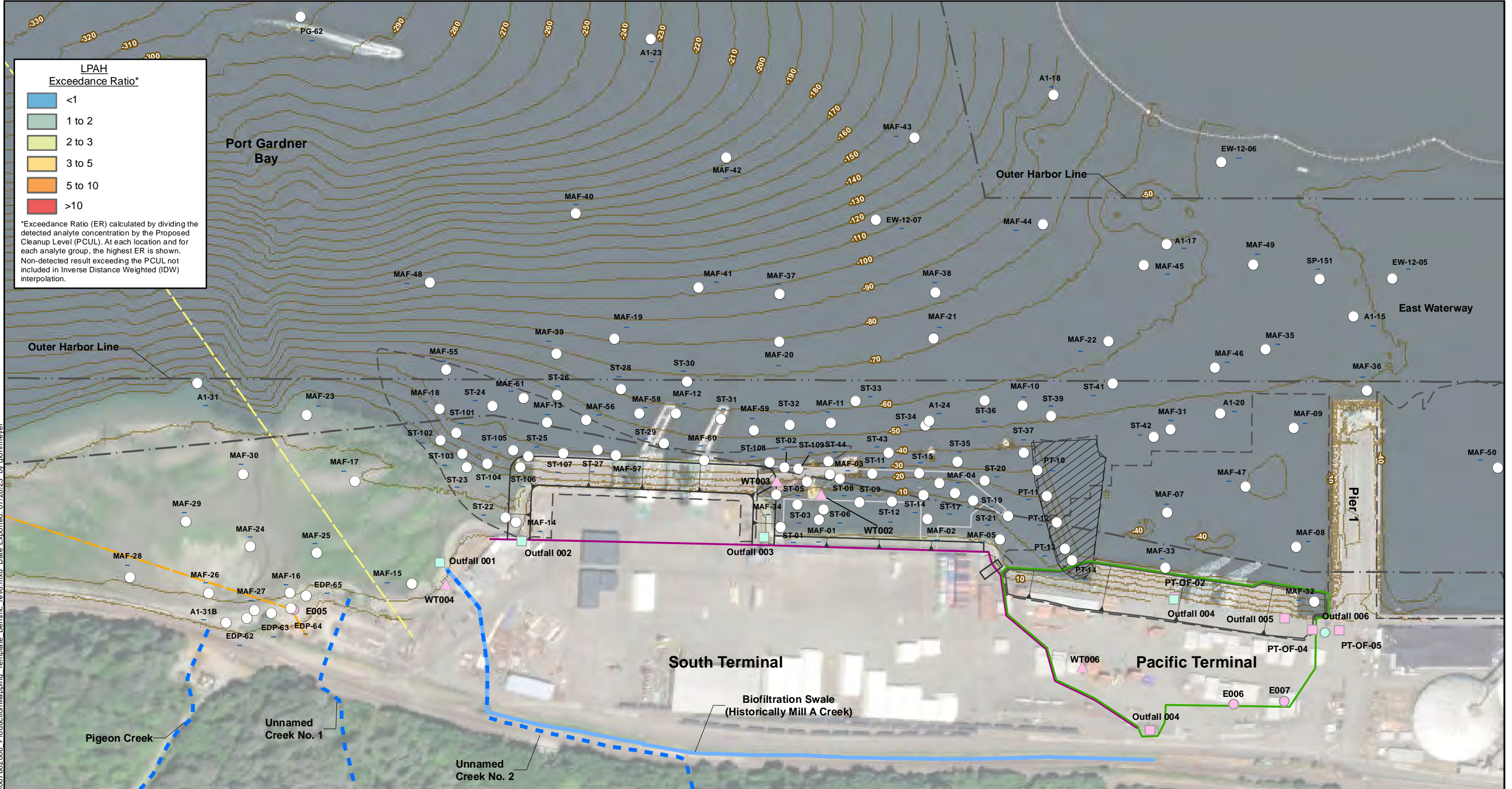
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-130

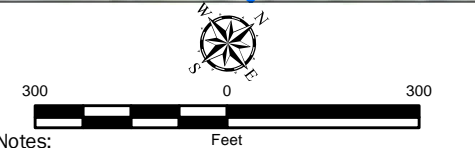


LPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

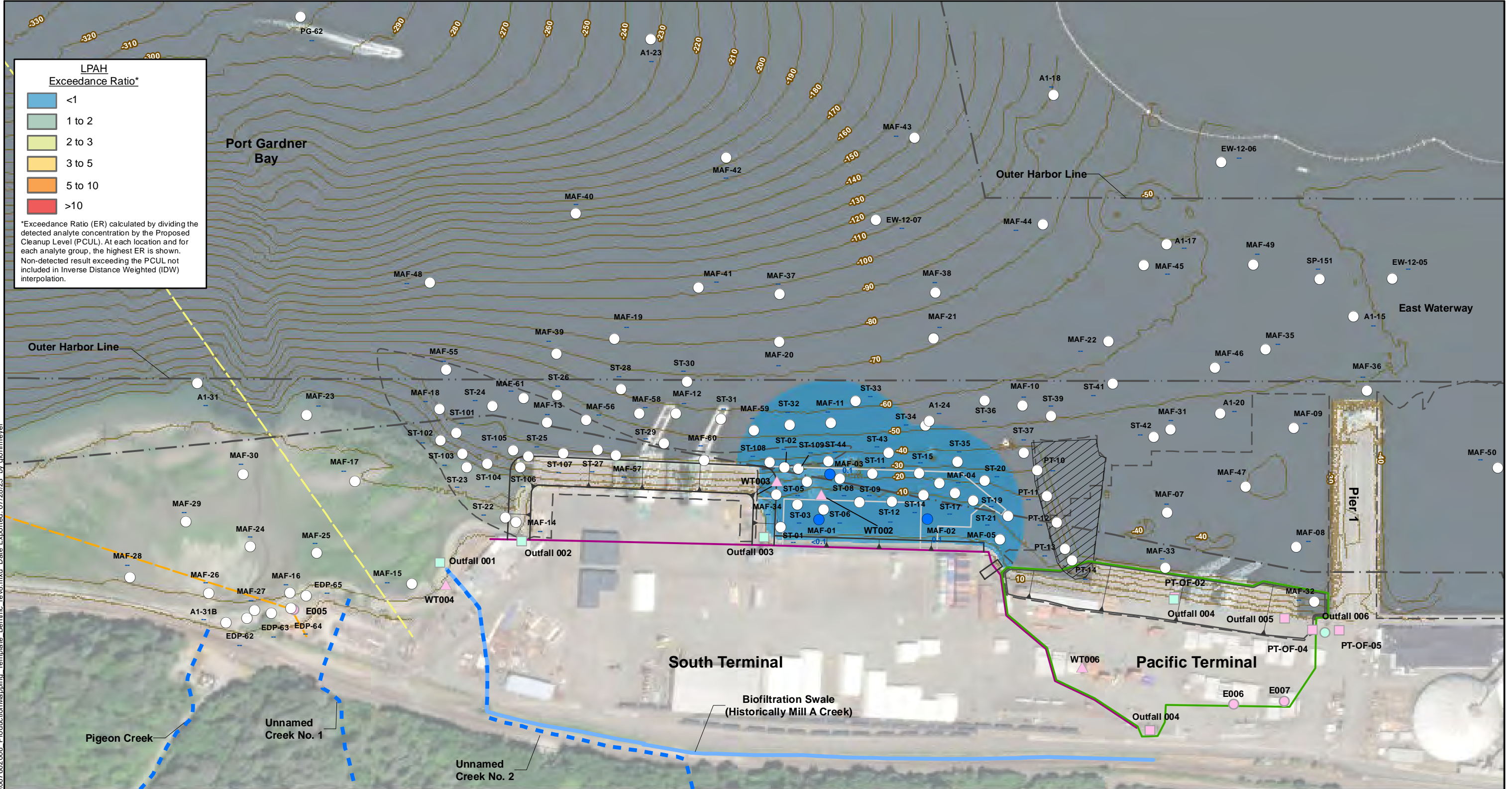
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-131



LPAH Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

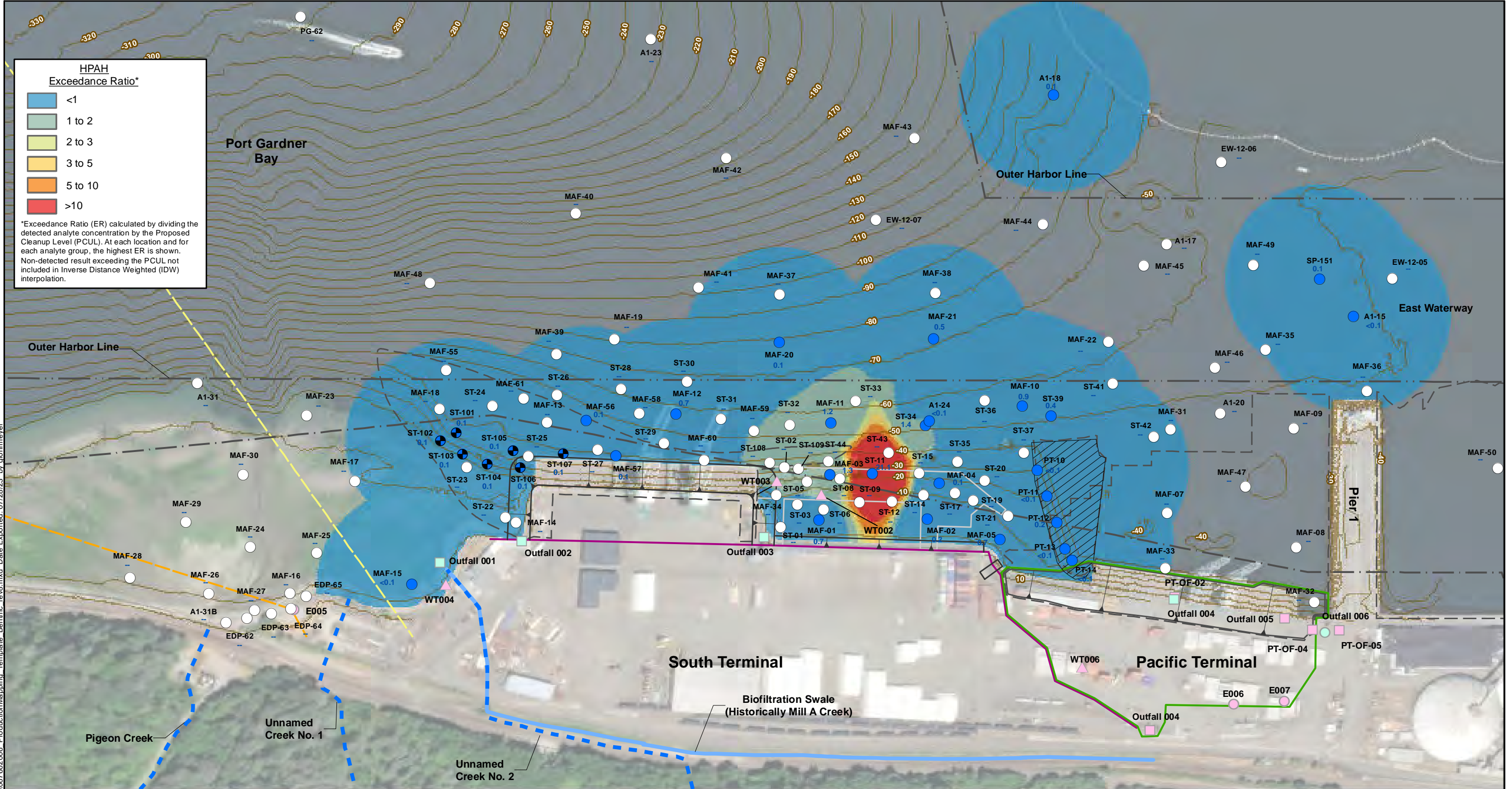
- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)
- MAF-01 1.22
- ▭ Construction Berm
 - ▭ Historical Piling Area
 - ▭ Dredged Area
 - ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
 - ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
 - ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)
- ▭ Bulkhead
 - ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
 - ▭ Historical Industrial Outfall (Abandoned)
 - ▭ Former Combined Sewer Outfall (CSO, Abandoned)
 - ▭ Former Stormwater Outfall (Abandoned)
 - ▭ Current CSO
 - ▭ Current Stormwater Outfall

**LPAH Results (Benthic)
Subsurface Sediment (20-22 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-132



HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

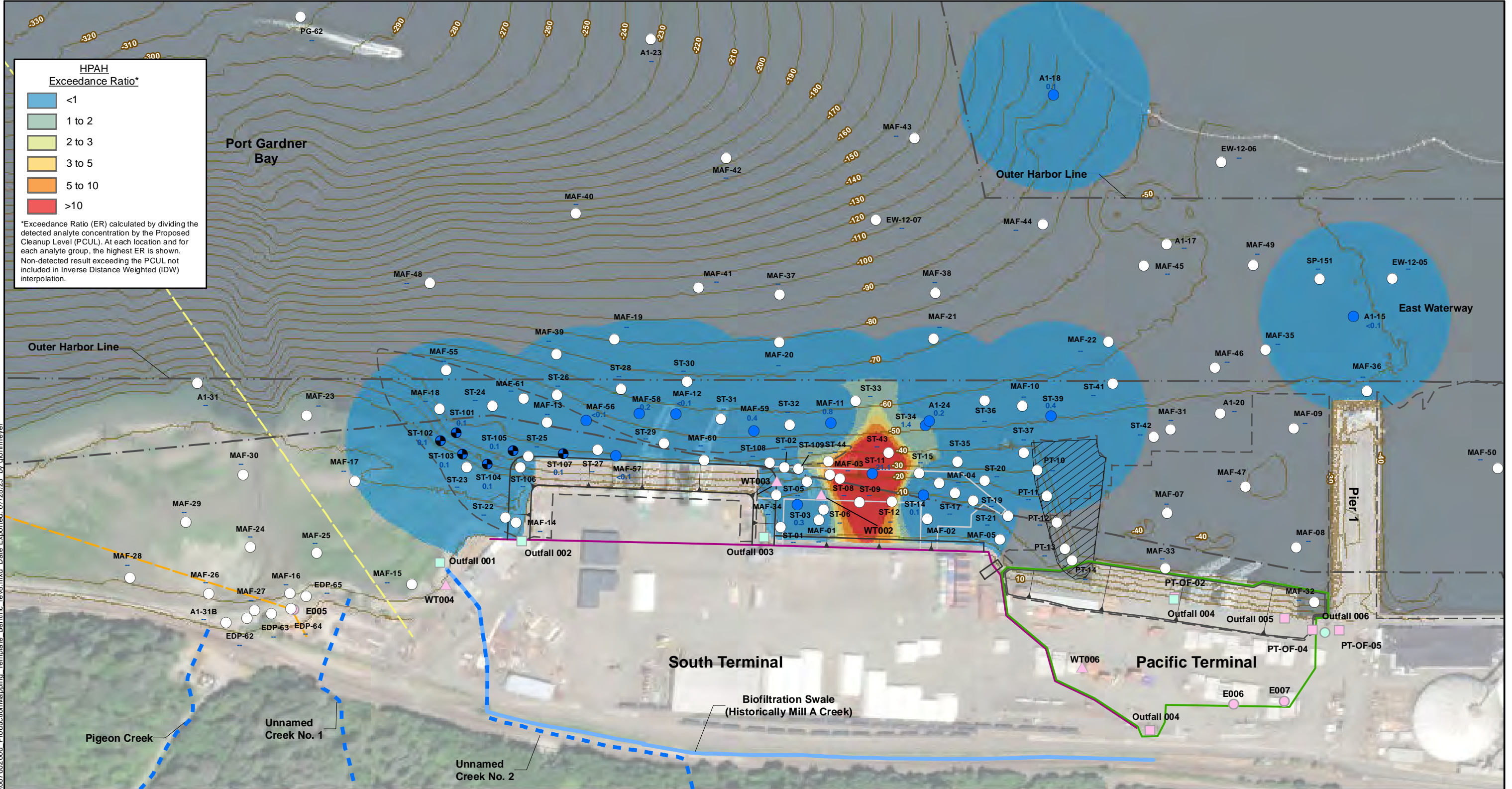
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-133

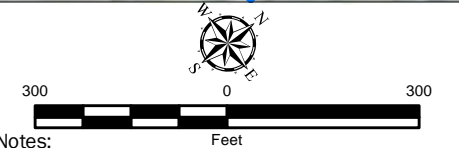


HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

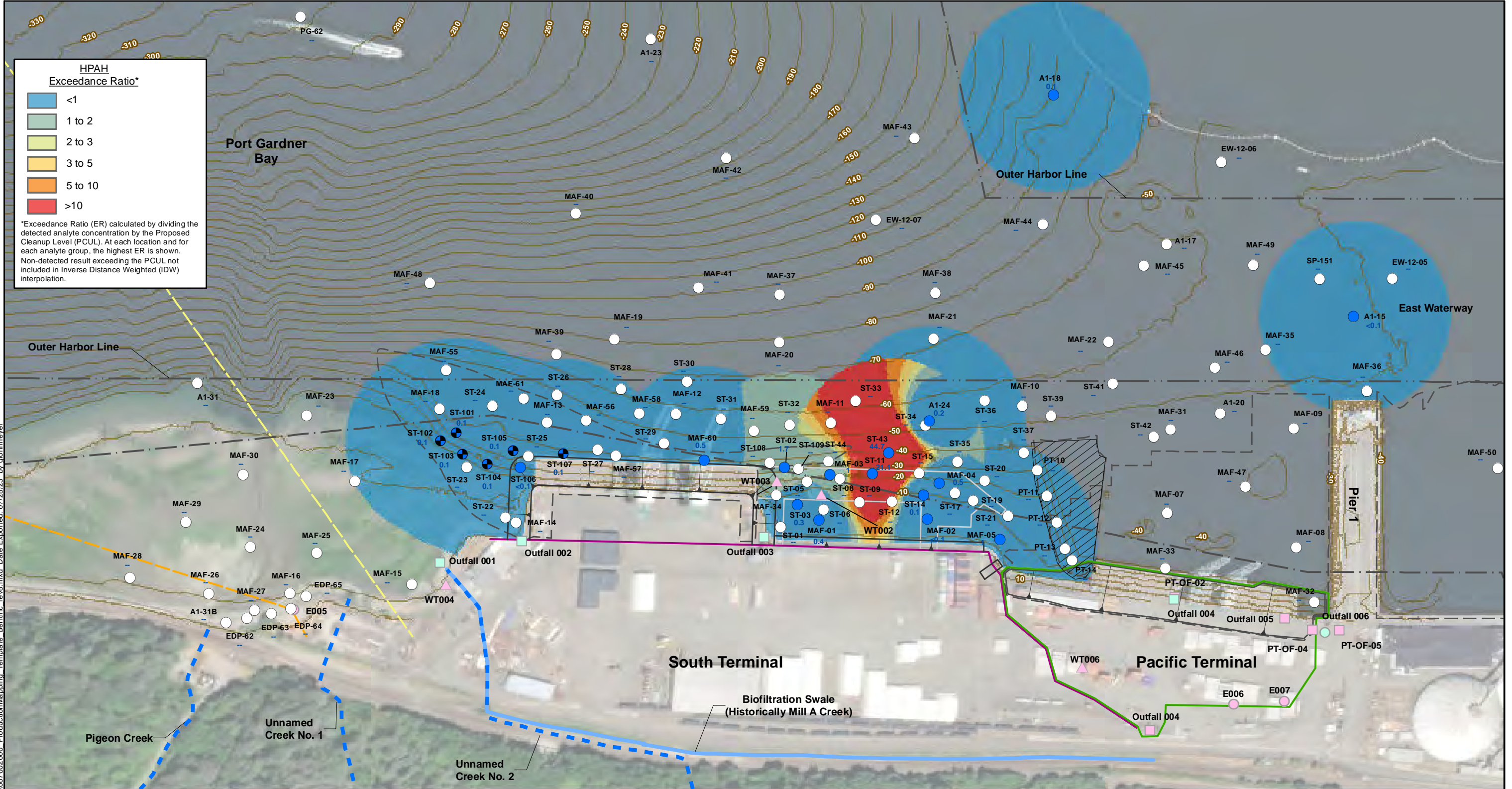
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-134

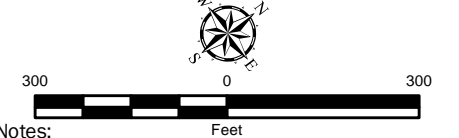


HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

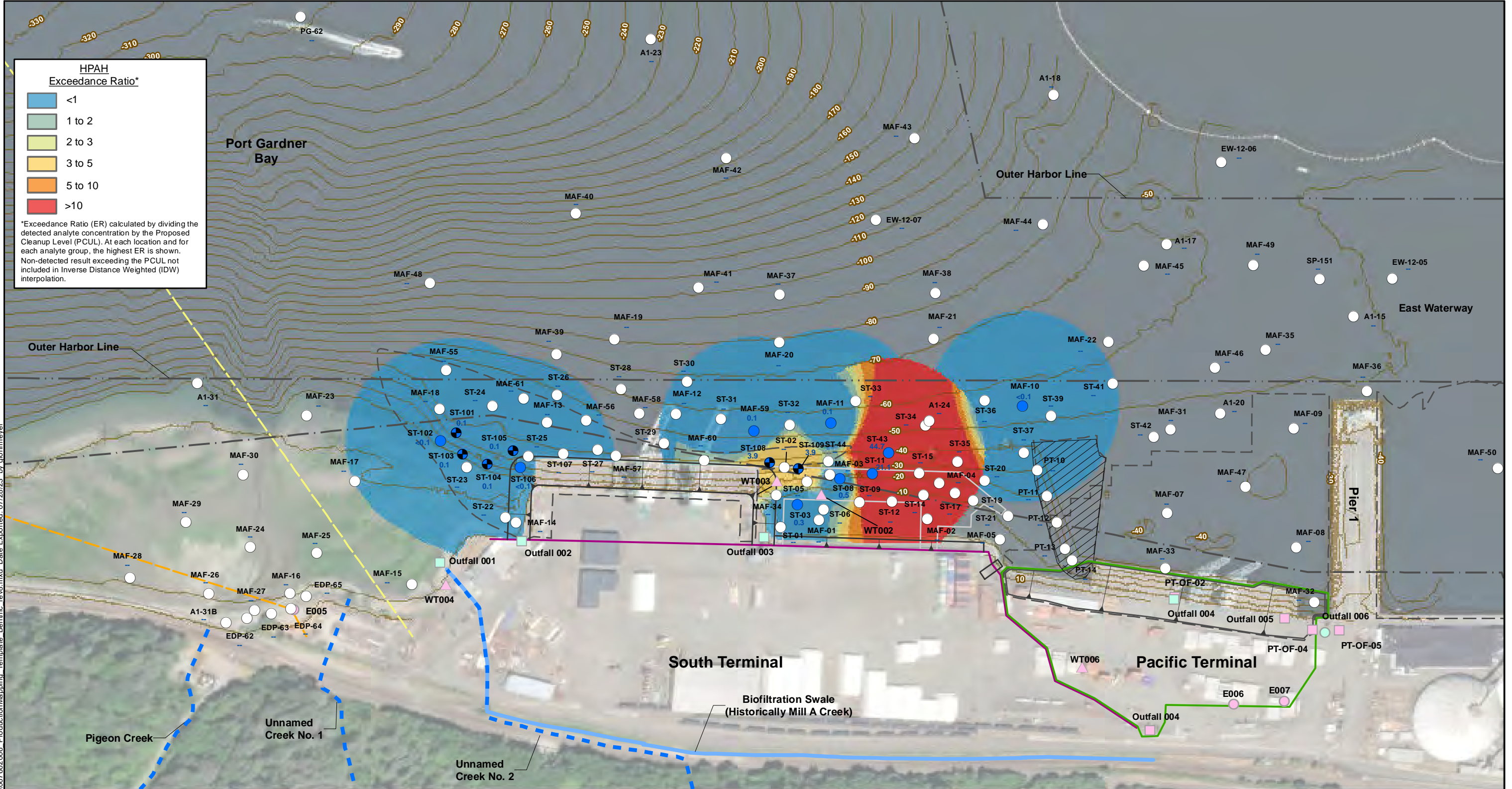
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-135

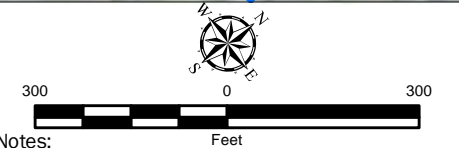


HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

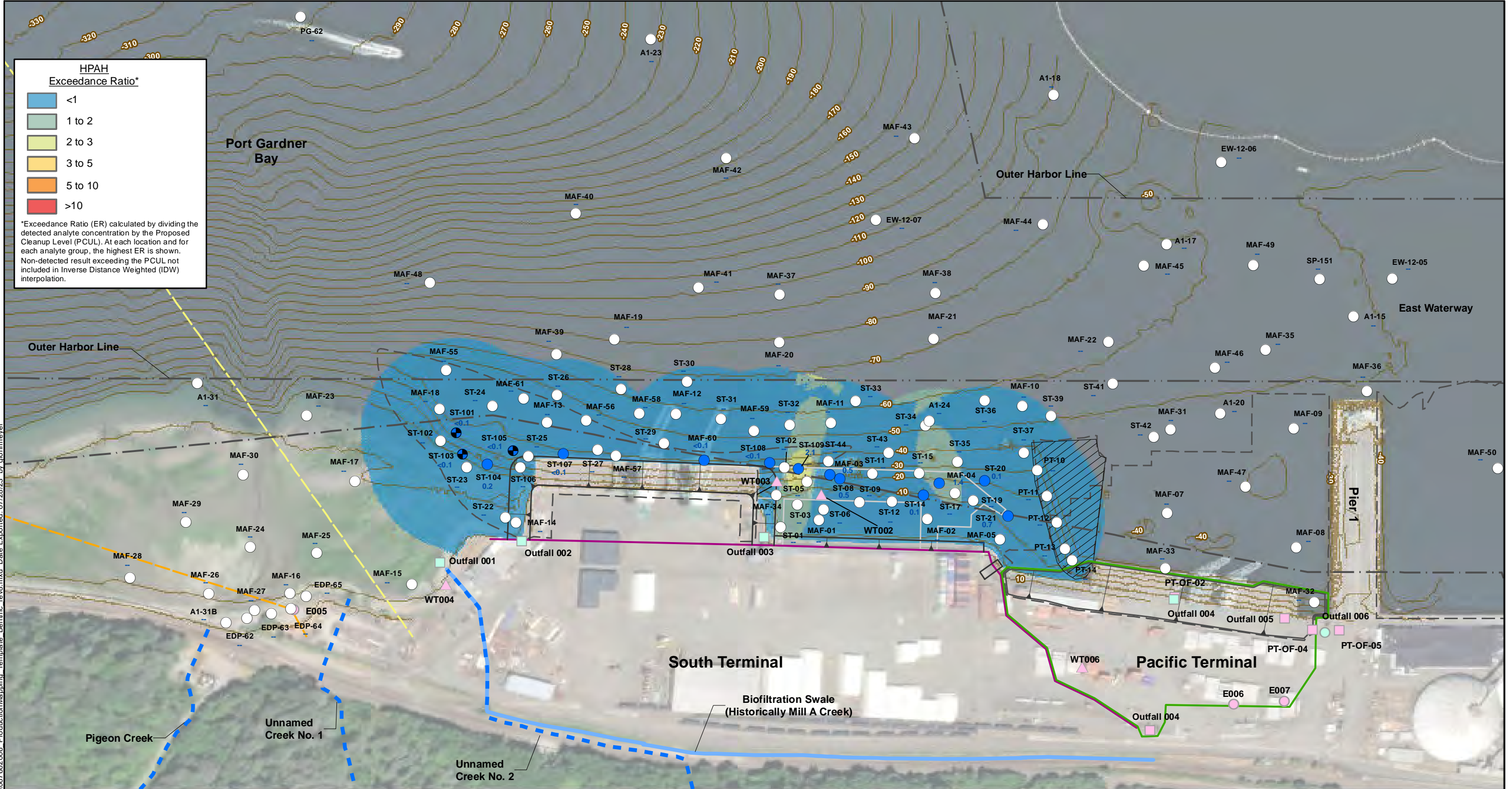
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (6-8 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-136

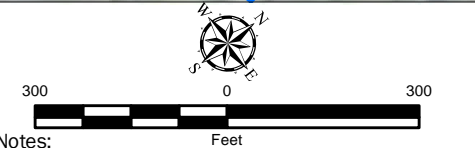


HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

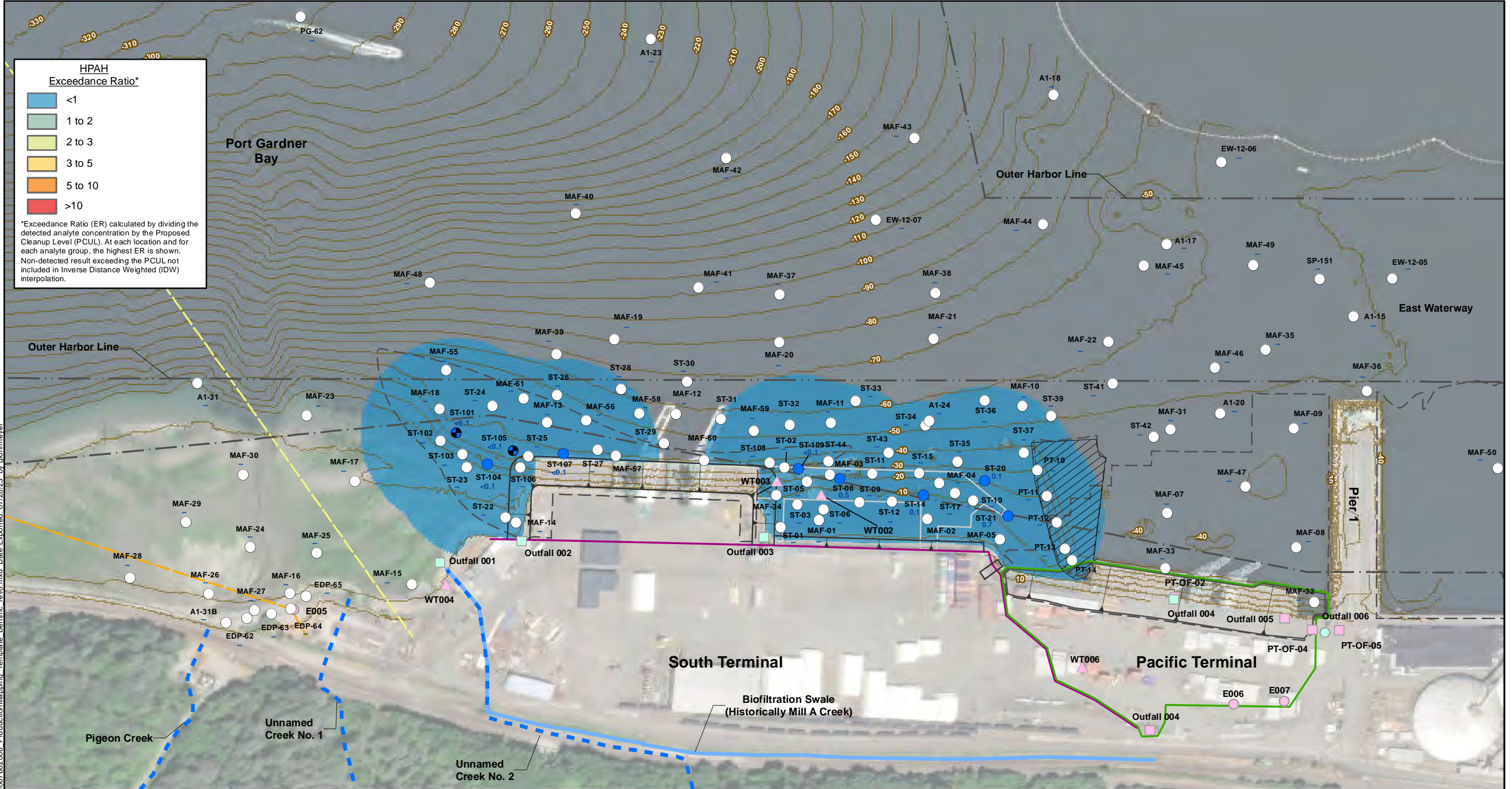
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-137

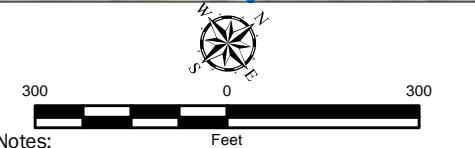


HPAH Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

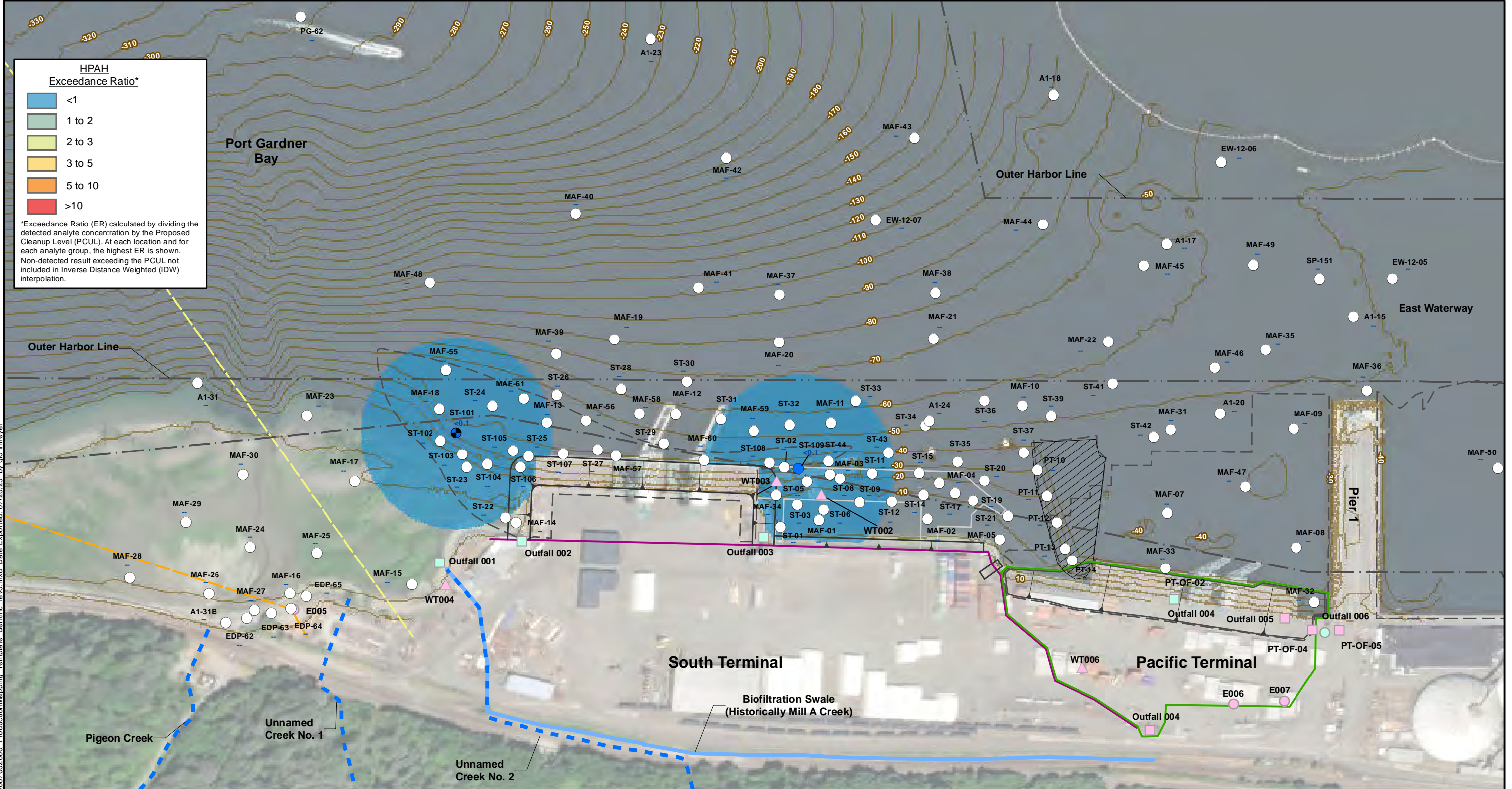
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-138

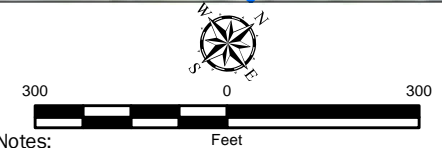


HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

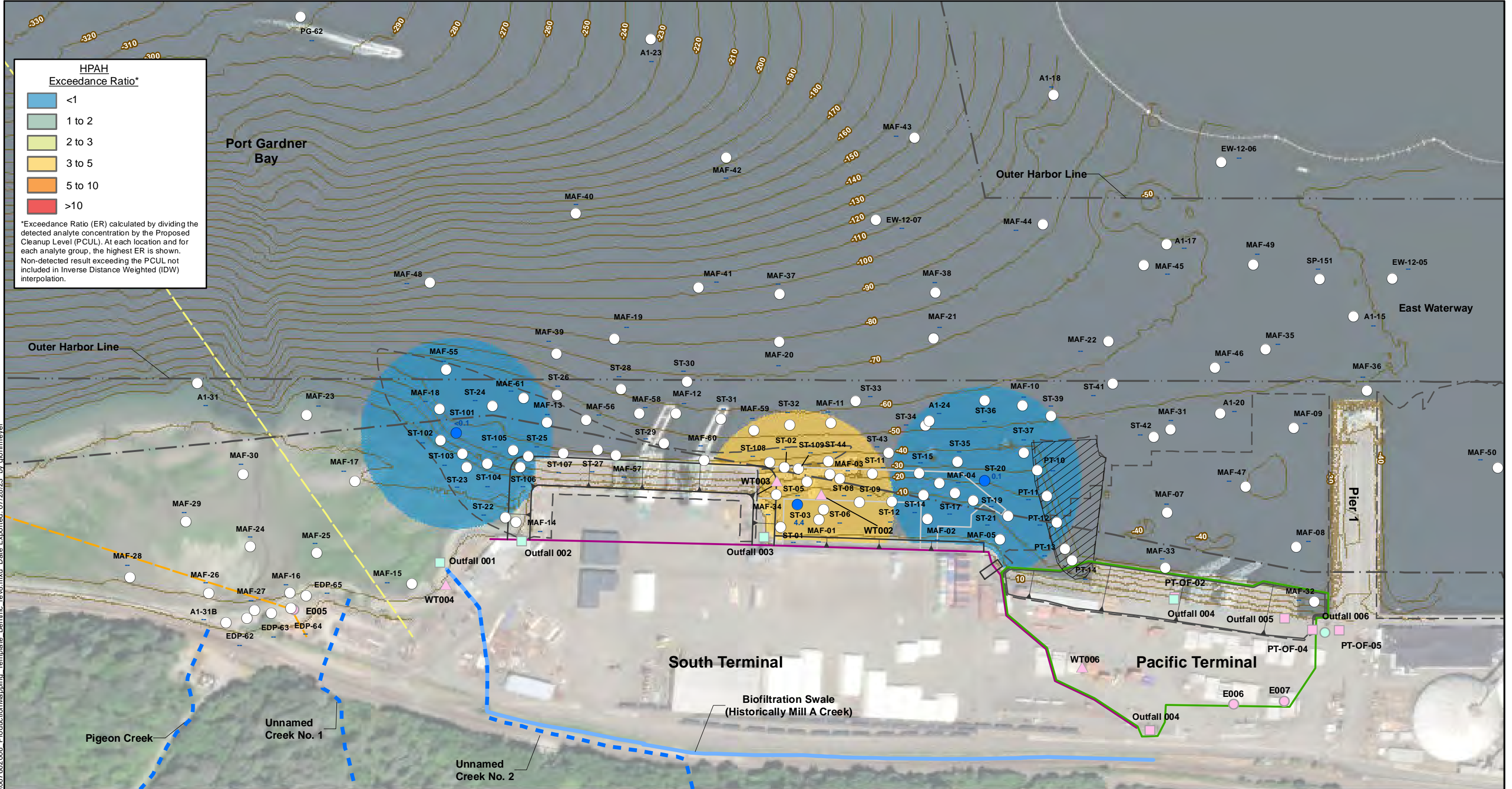
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-139

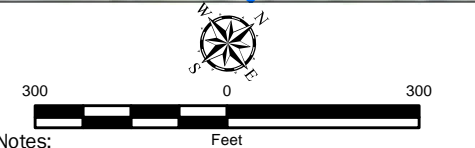


HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

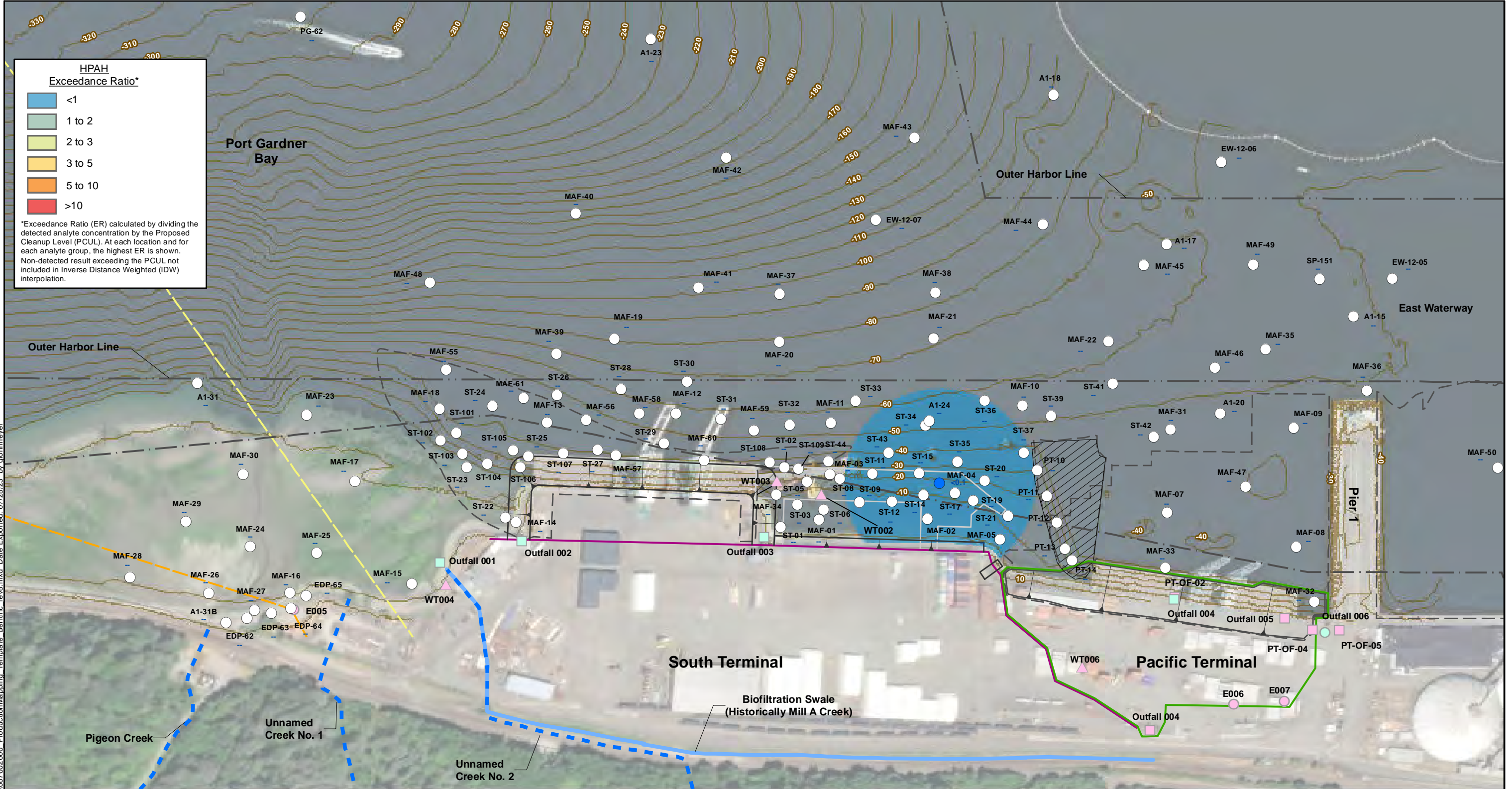
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-140

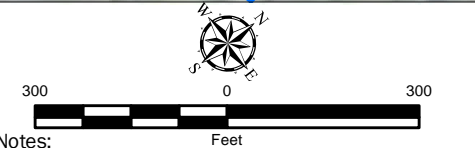


HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

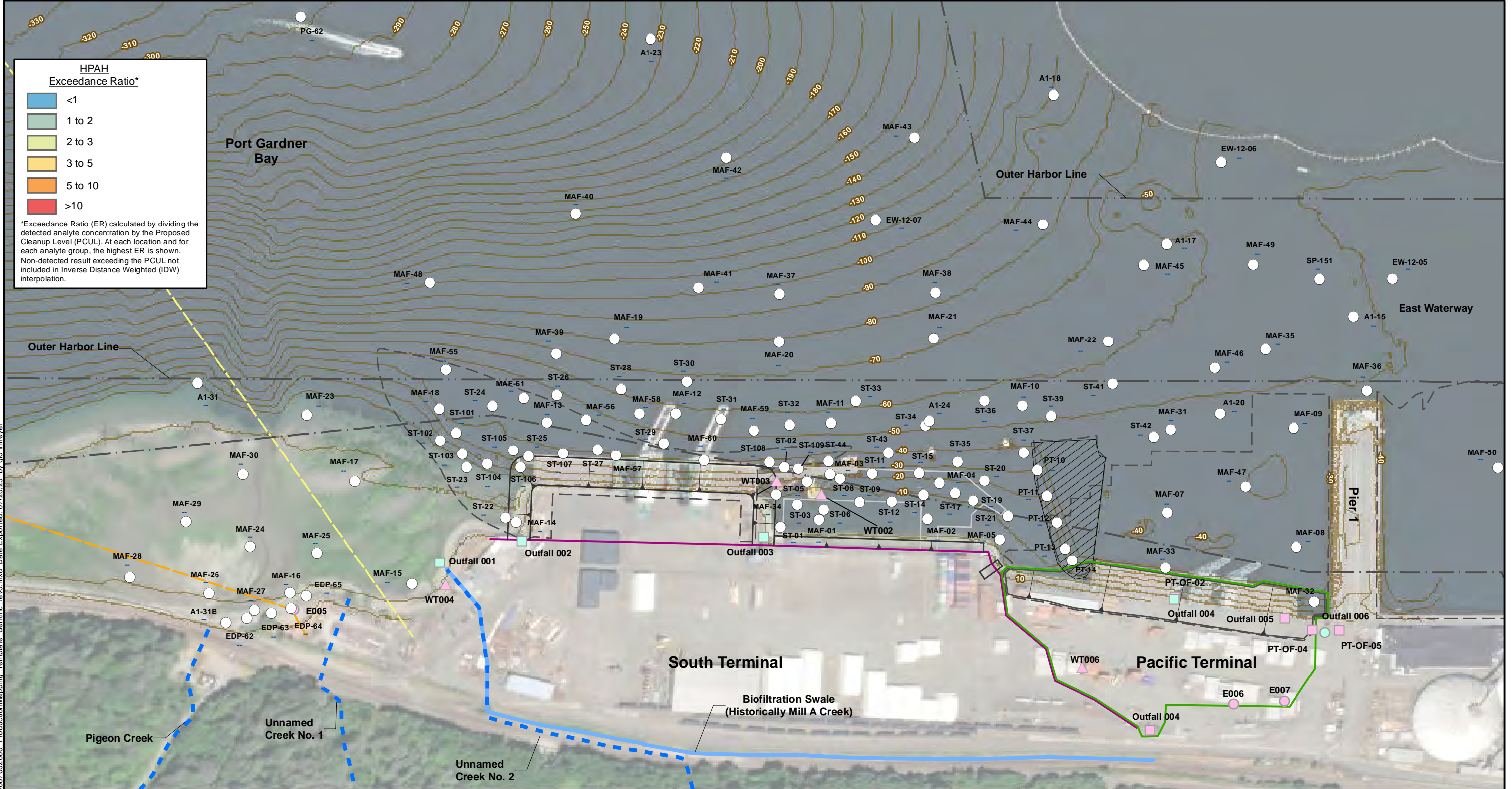
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-141



HPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

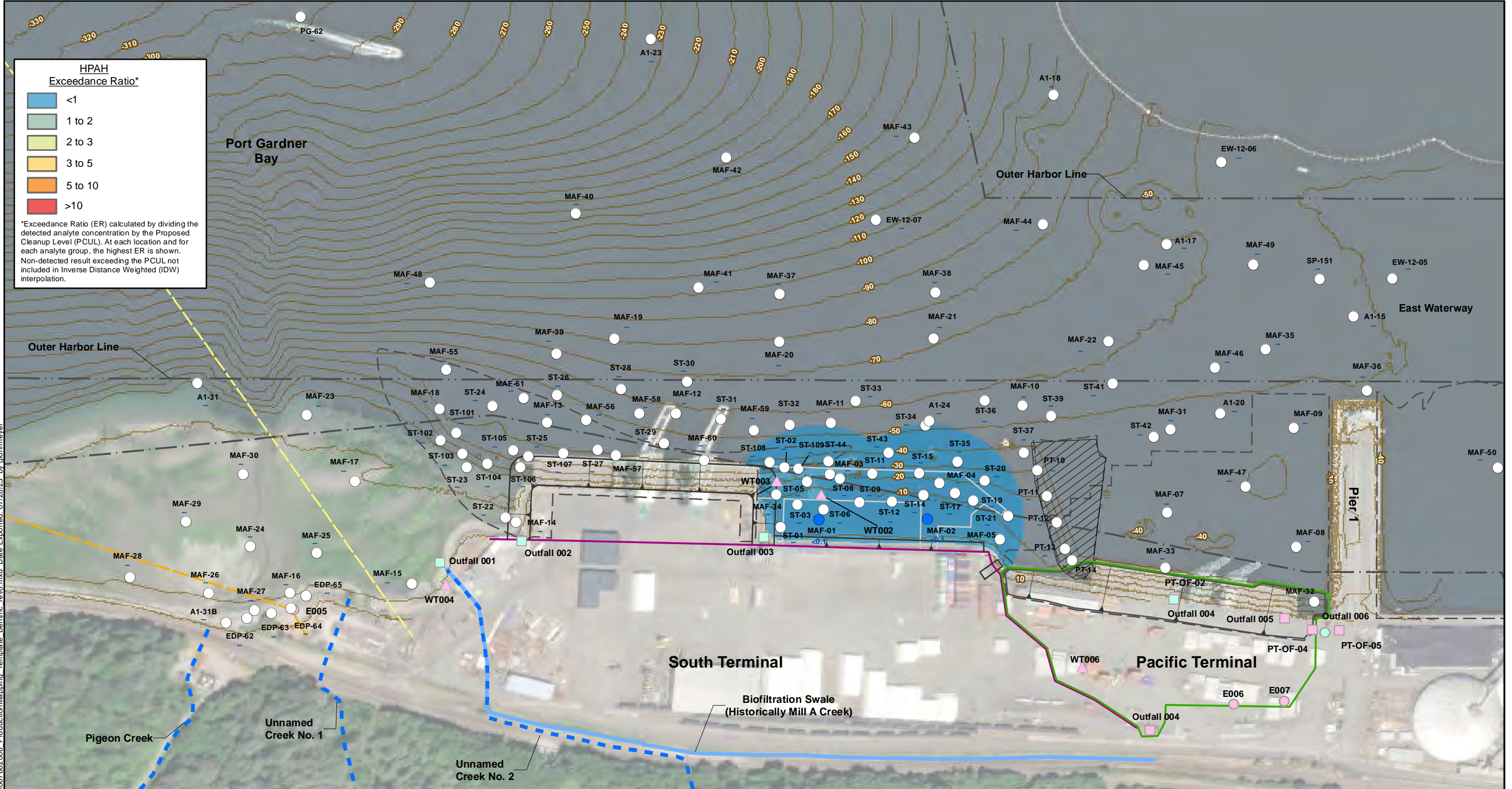
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-142

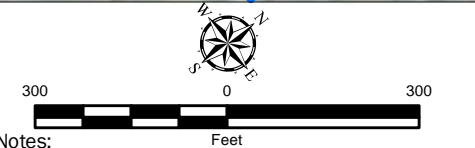


HPAH Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

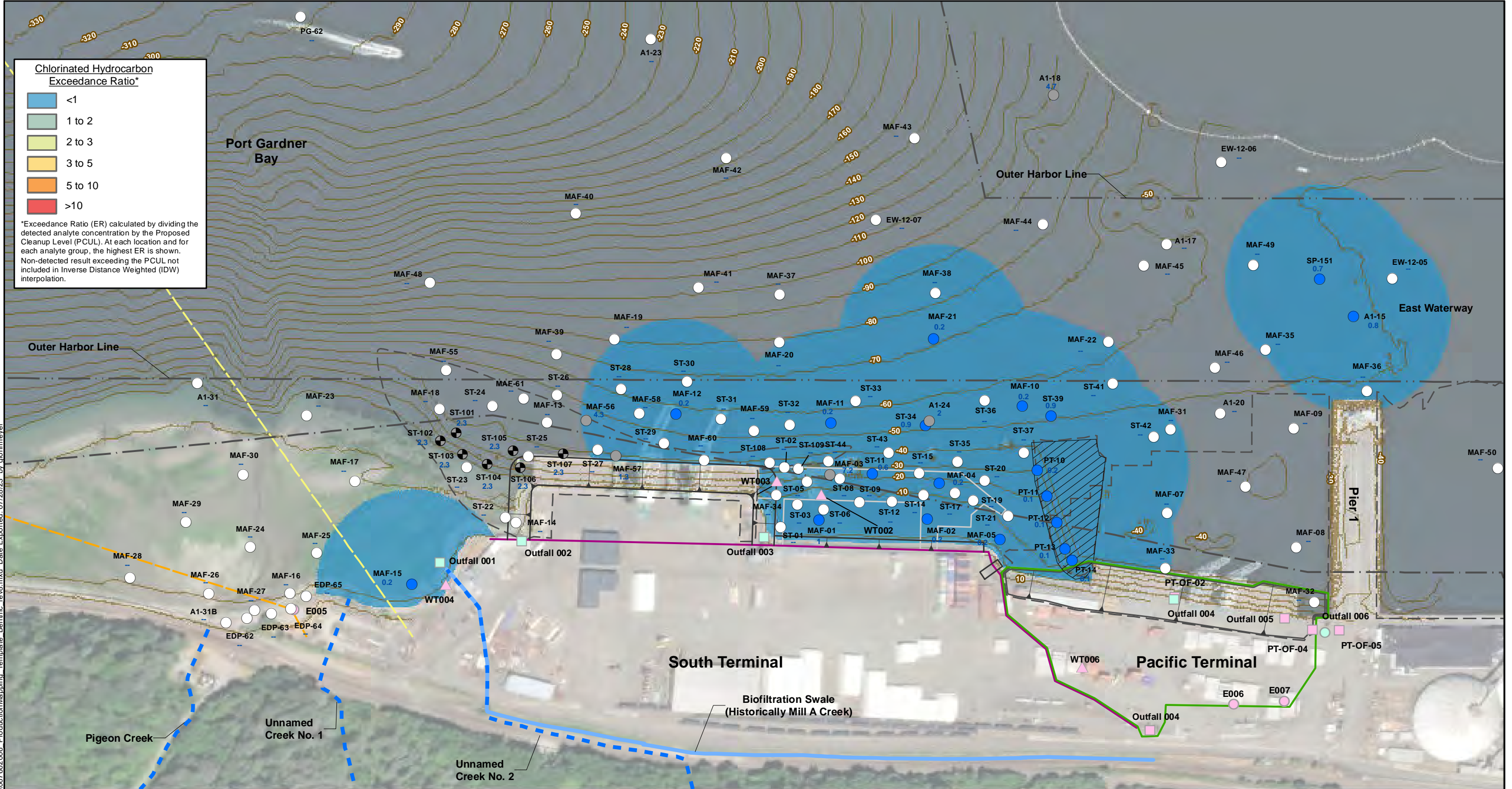
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**HPAH Results (Benthic)
Subsurface Sediment (20-22 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-143

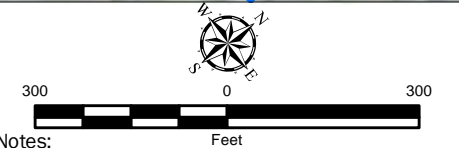


Chlorinated Hydrocarbon Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

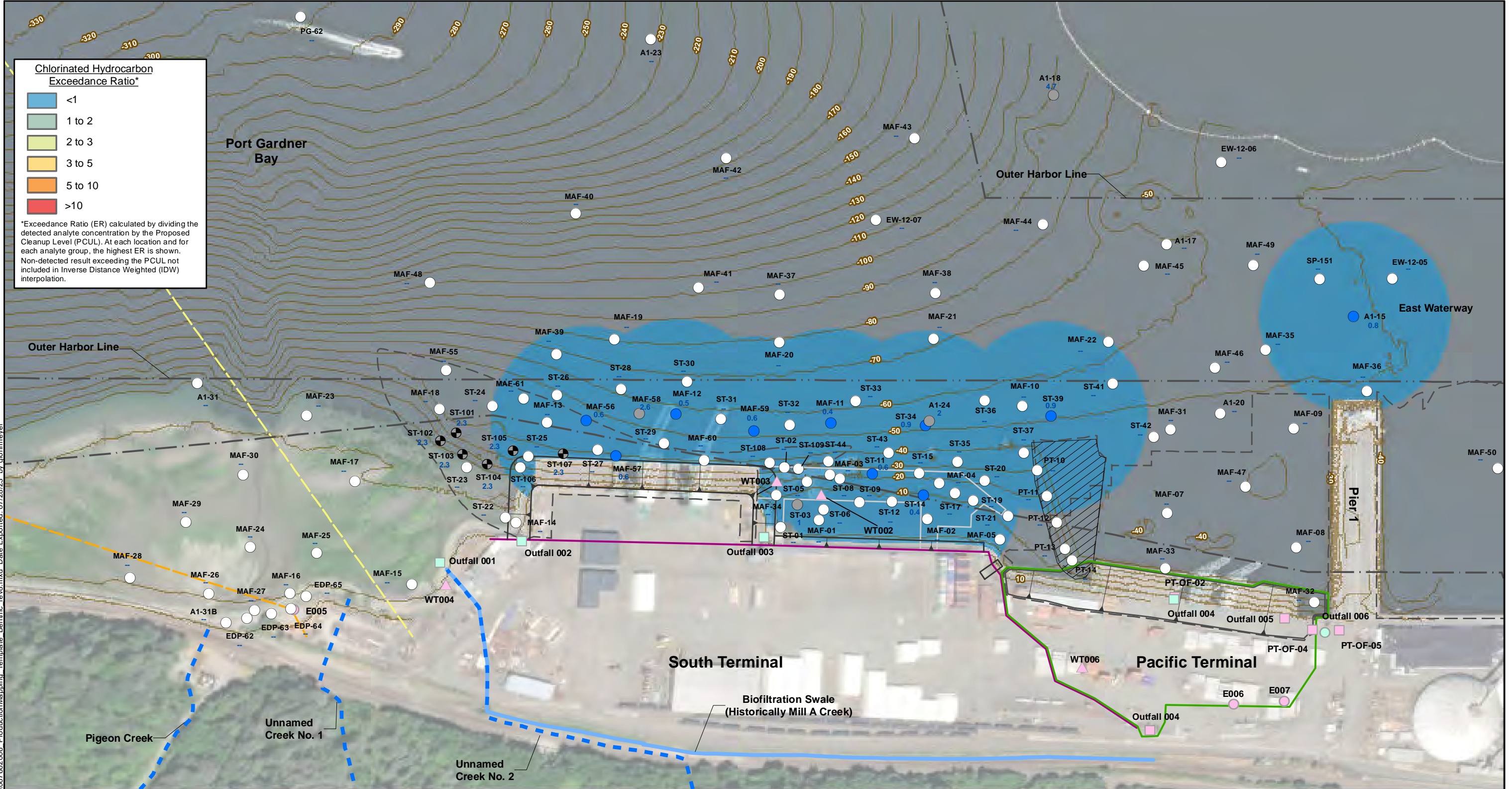
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (0-2 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-144

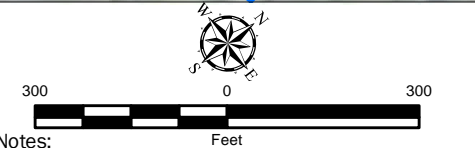


Chlorinated Hydrocarbon Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

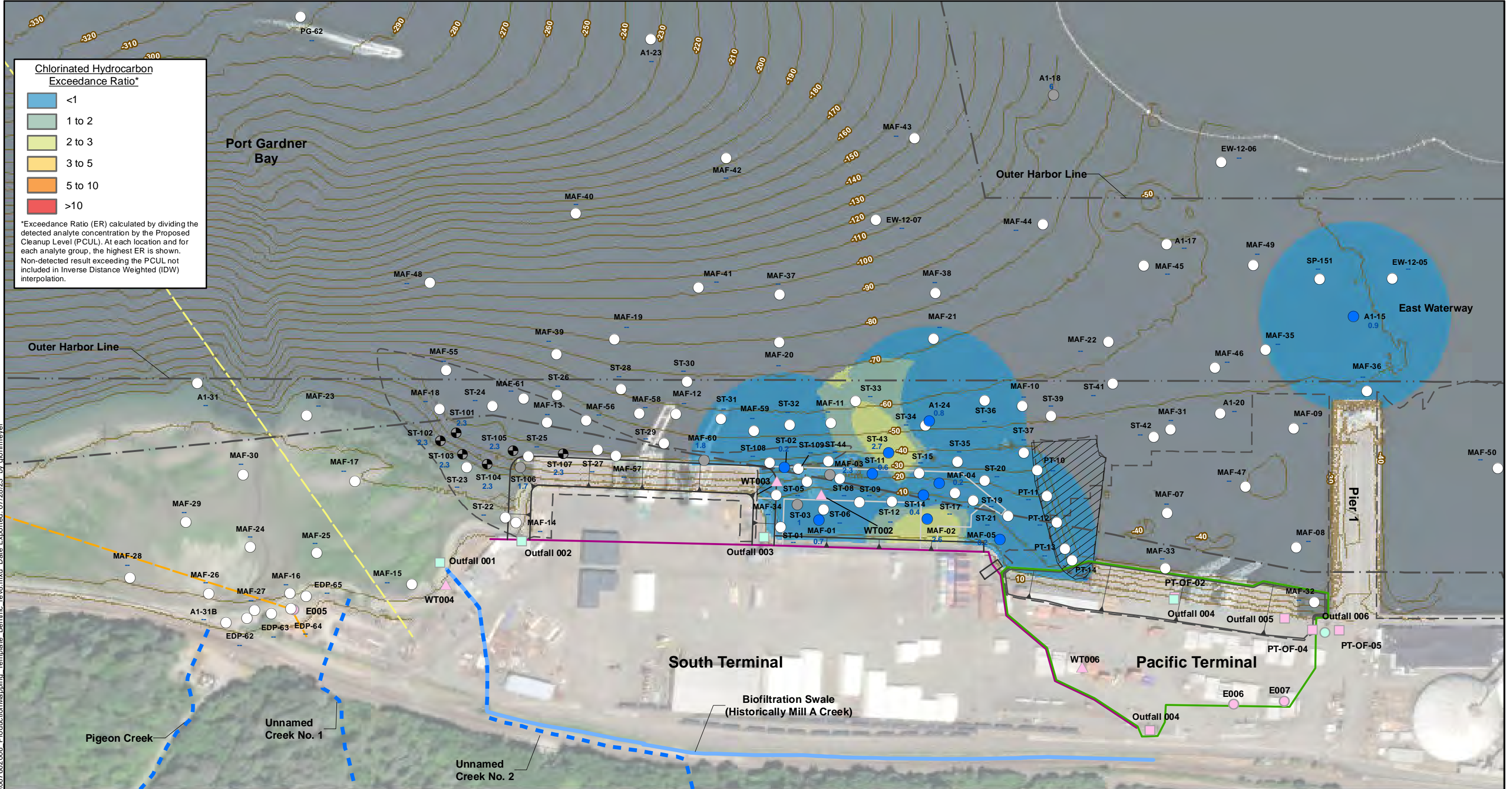
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (2-4 ft)

Weyerhaeuser Mill A Former Everett, Washington

GEOENGINEERS

Figure Q-145

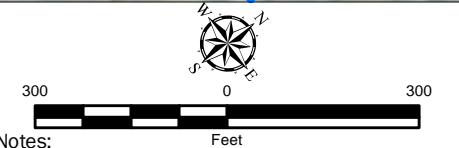


Chlorinated Hydrocarbon Exceedance Ratio*

| | |
|--------------|---------|
| Blue | <1 |
| Light Green | 1 to 2 |
| Yellow-Green | 2 to 3 |
| Yellow | 3 to 5 |
| Orange | 5 to 10 |
| Red | >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Blue circle: Discreet Sample Result
- White circle: No Sample/Result
- Grey circle: Non-Detect Result Exceeds PCUL
- Black circle with dot: Composite Sample Result
- Blue hatched area: Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

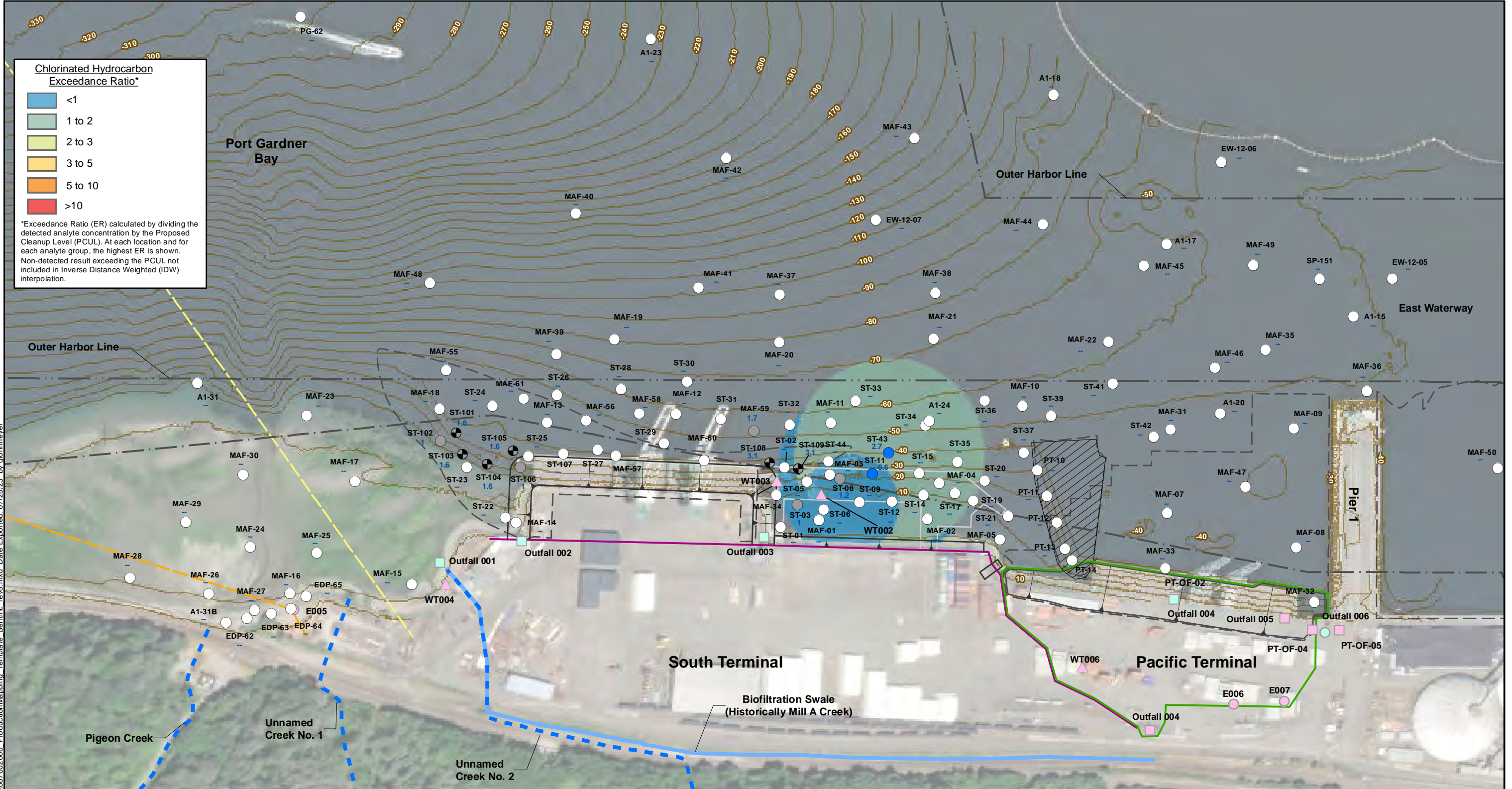
- Black circle: Sample Location Identification Result
- White rectangle: Construction Berm
- Grey rectangle: Historical Piling Area
- Black rectangle: Dredged Area
- Green rectangle: Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Orange dashed line: Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Yellow dashed line: Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Purple line: Bulkhead
- Brown line: Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Pink triangle: Historical Industrial Outfall (Abandoned)
- Pink circle: Former Combined Sewer Outfall (CSO, Abandoned)
- Pink square: Former Stormwater Outfall (Abandoned)
- Green circle: Current CSO
- Green square: Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-146

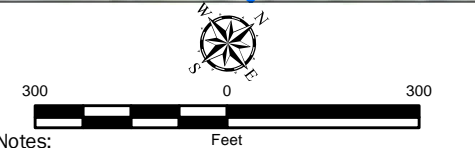


Chlorinated Hydrocarbon Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

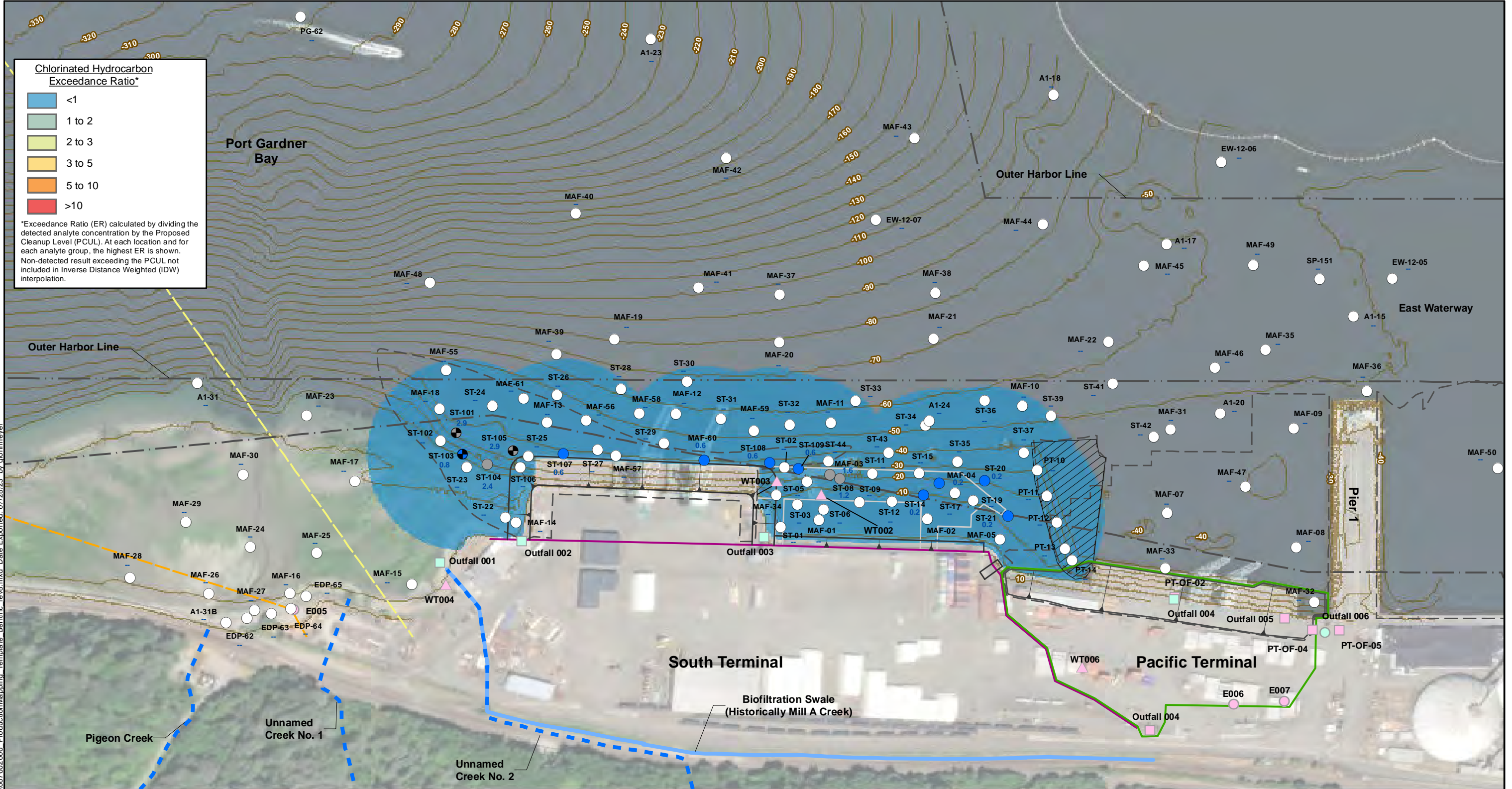
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-147



Chlorinated Hydrocarbon Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

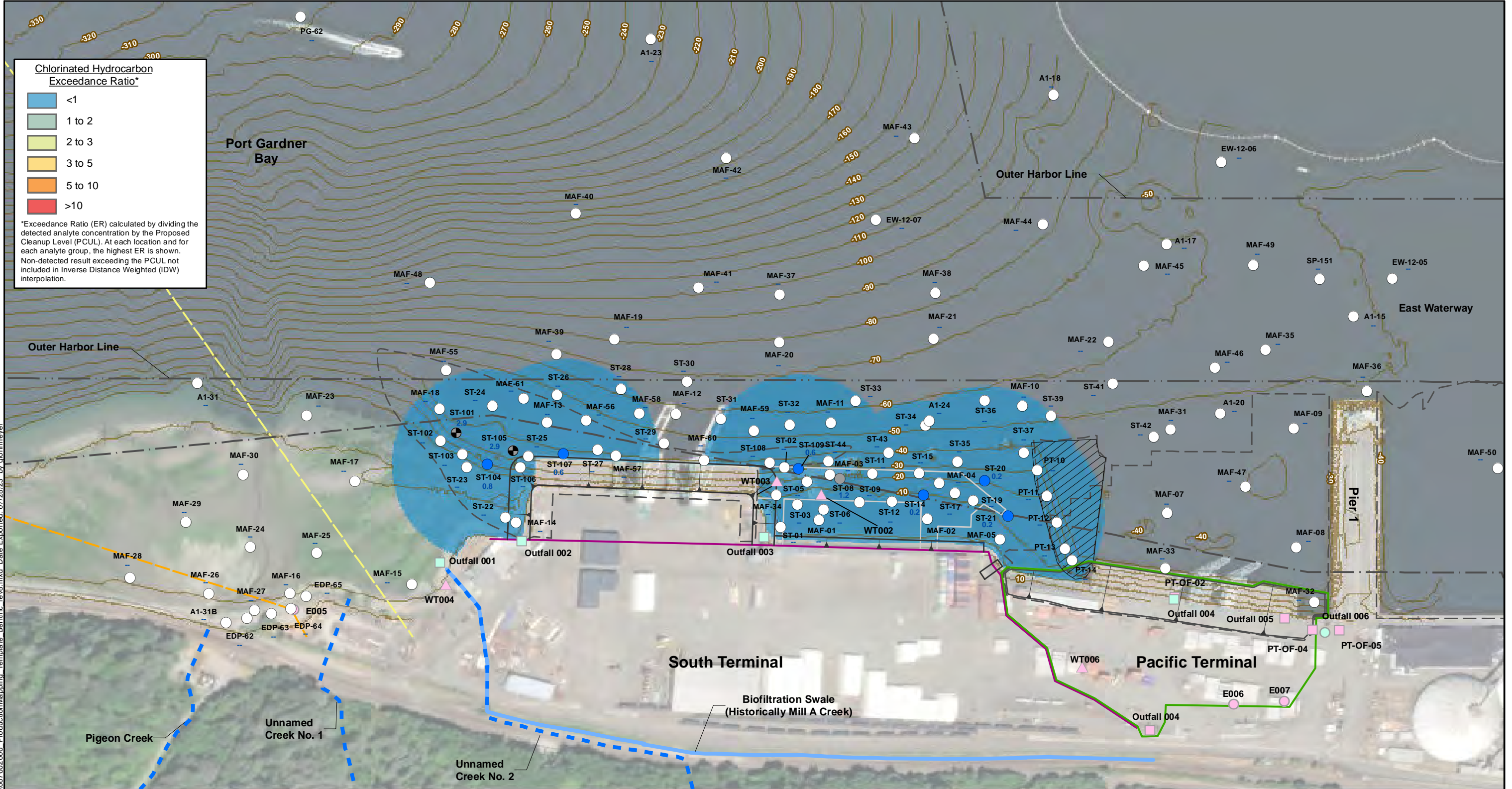
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former Everett, Washington

GEOENGINEERS

Figure Q-148

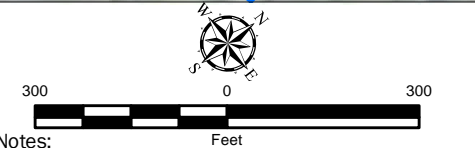


Chlorinated Hydrocarbon Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

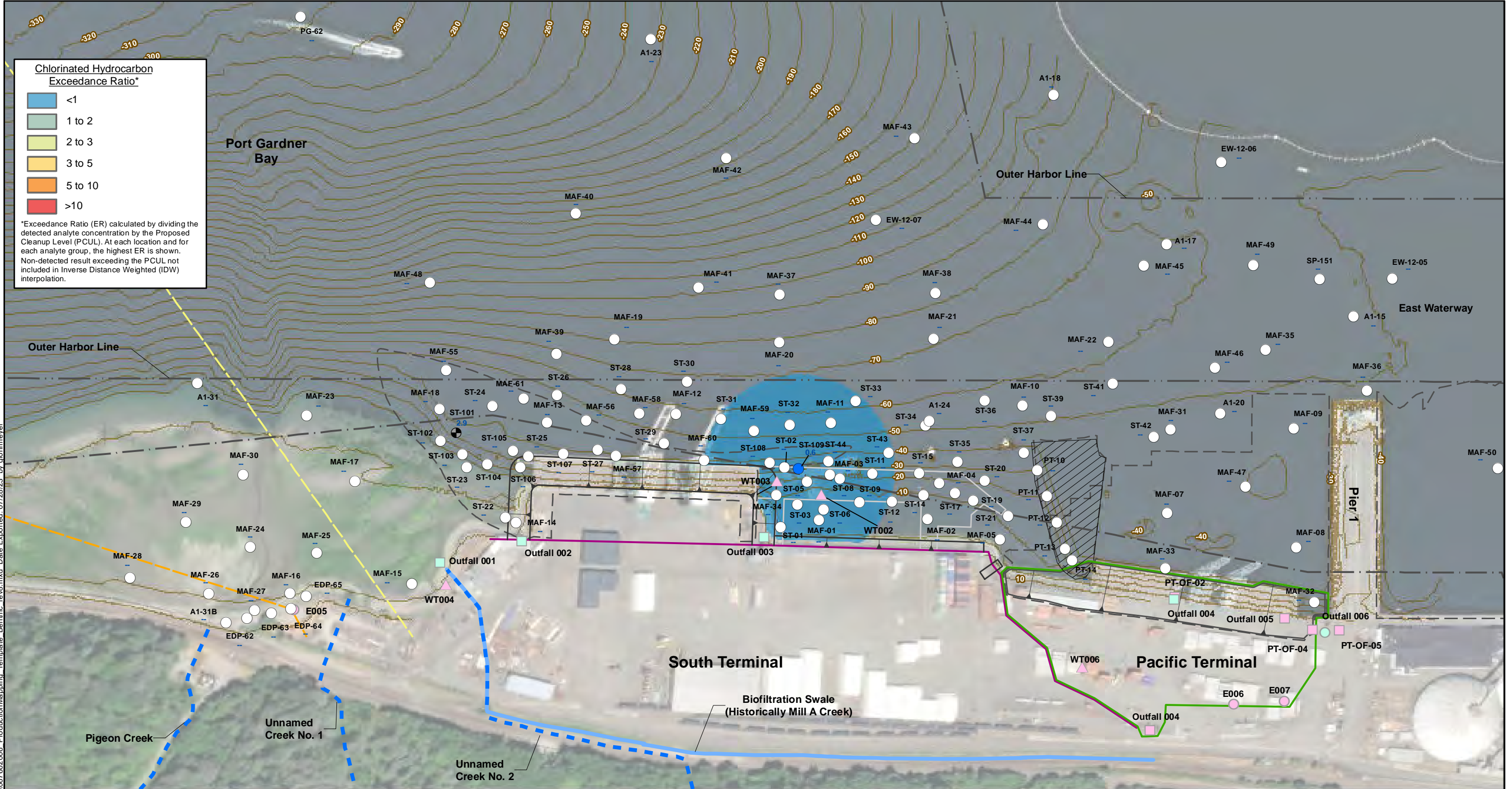
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-149

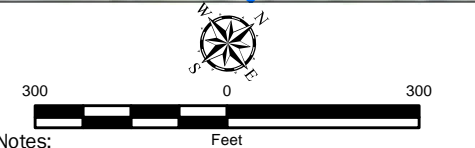


Chlorinated Hydrocarbon Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

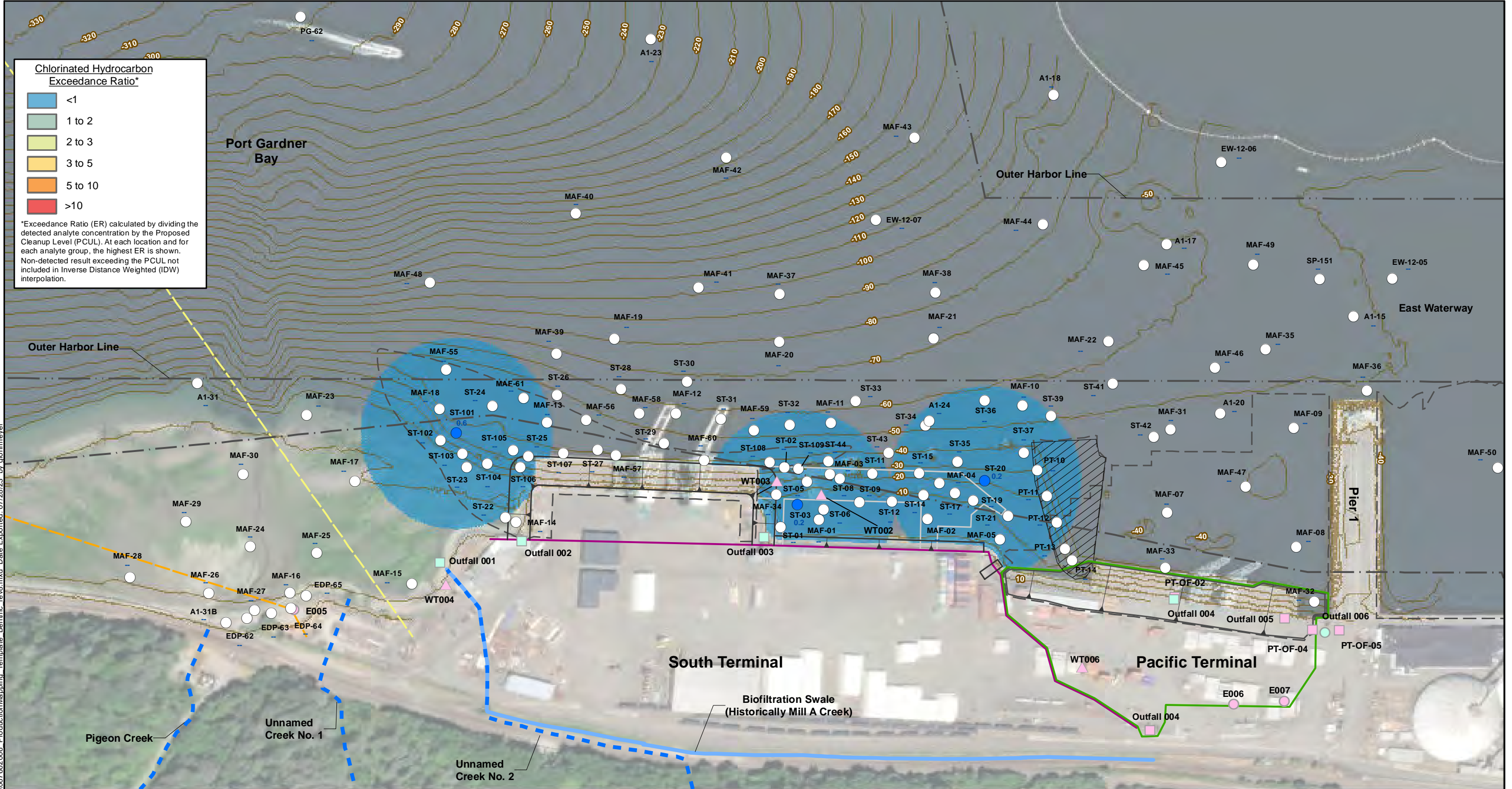
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-150

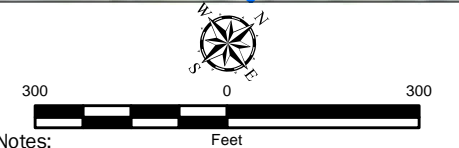


Chlorinated Hydrocarbon Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

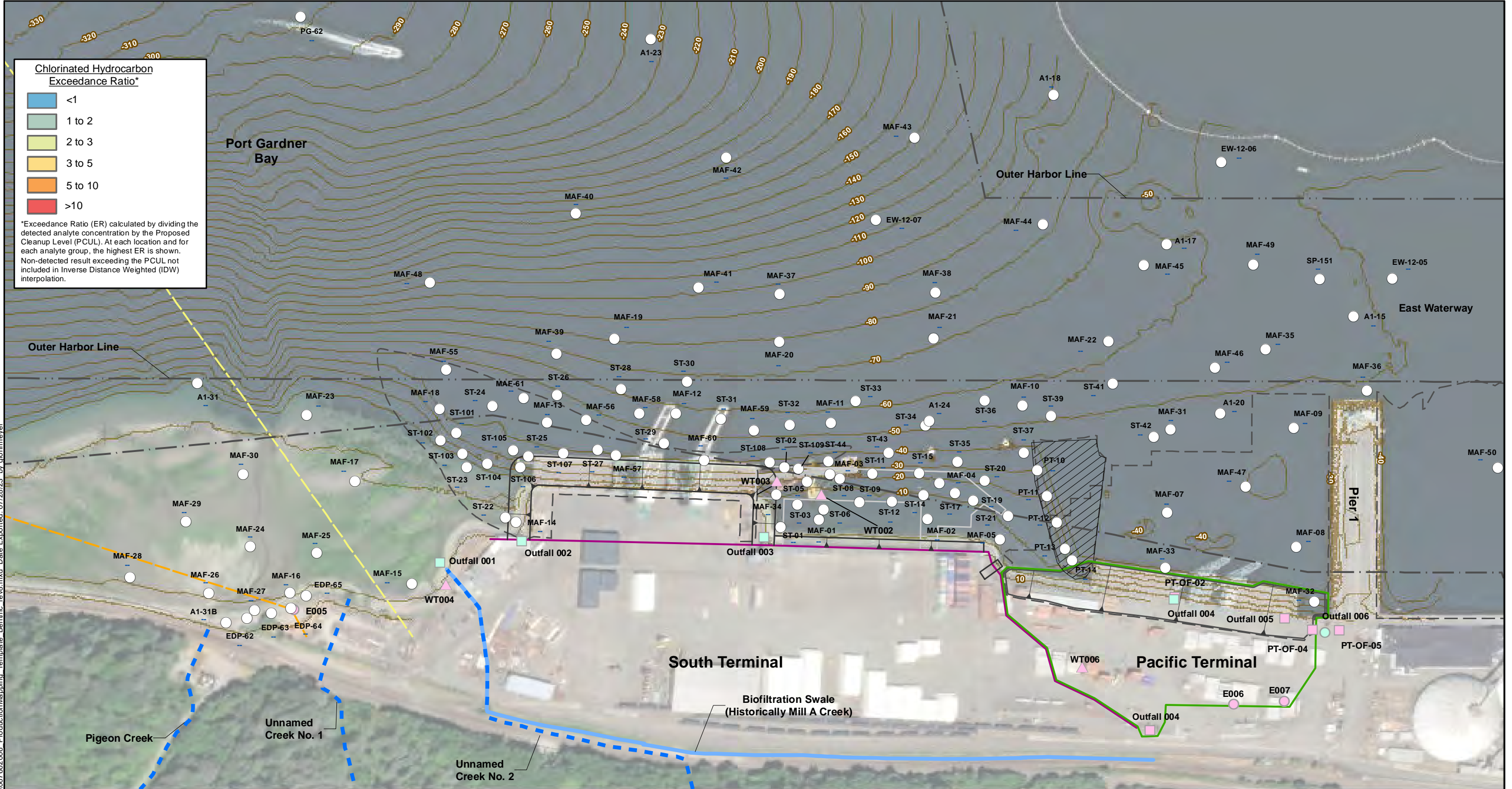
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former Everett, Washington



Figure Q-151

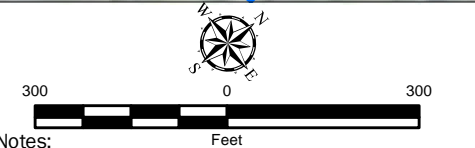


Chlorinated Hydrocarbon Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

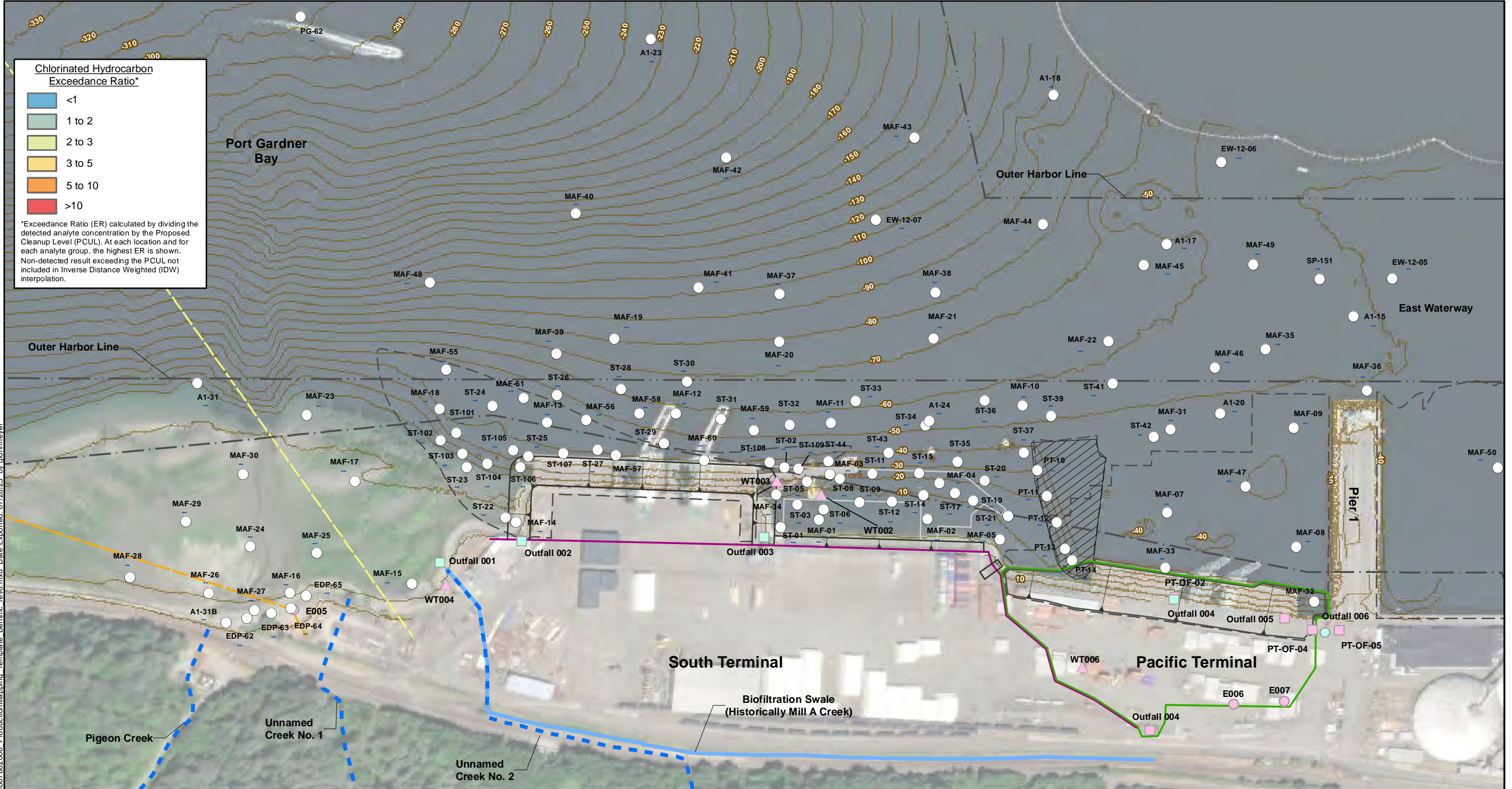
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-152

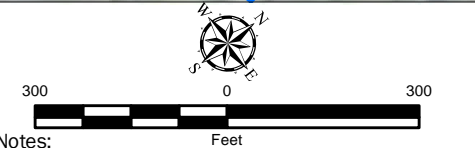


Chlorinated Hydrocarbon Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

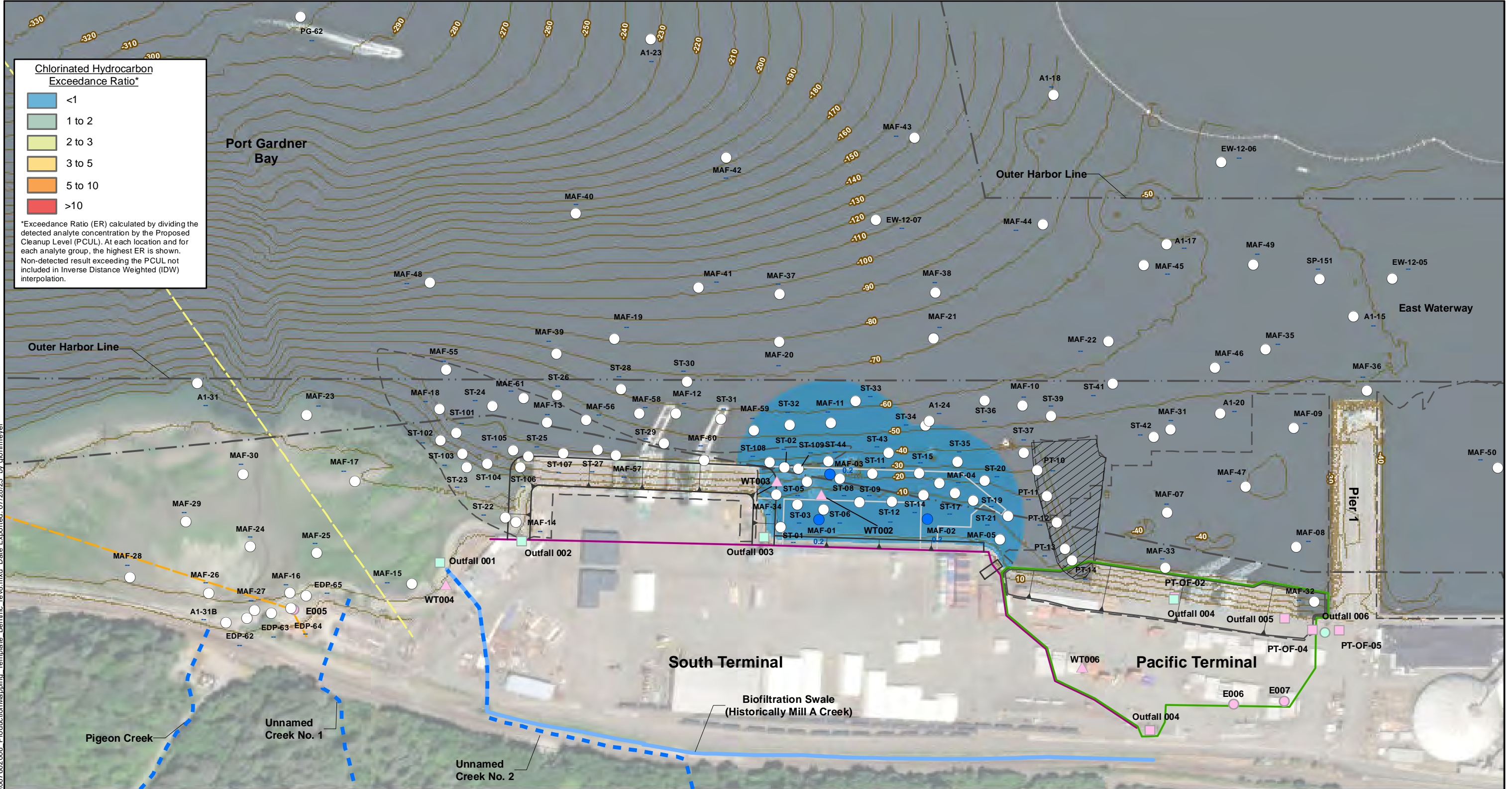
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-153

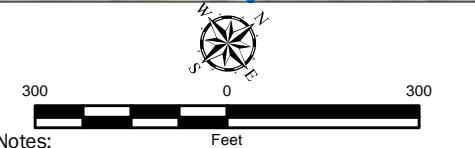


Chlorinated Hydrocarbon Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

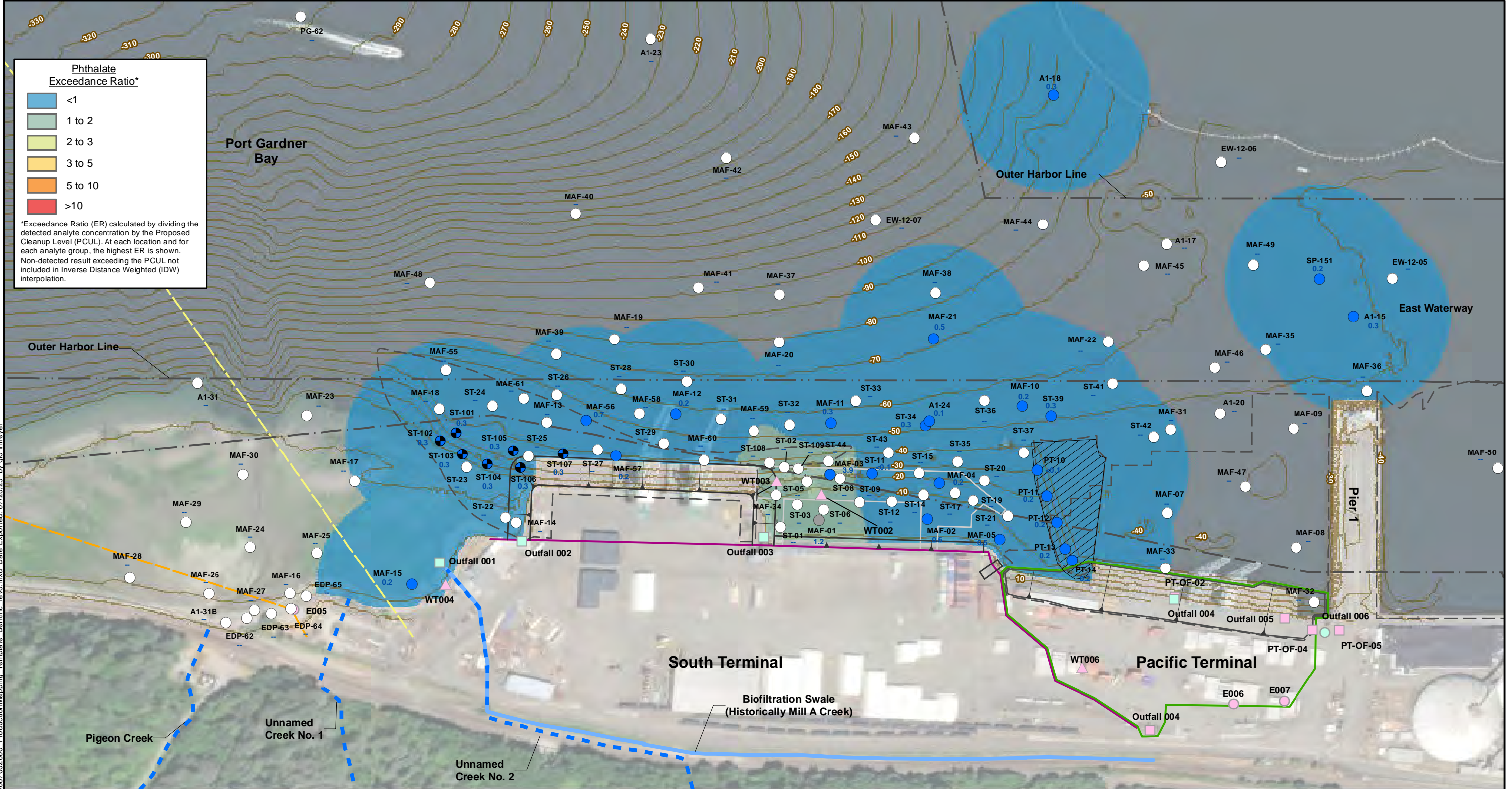
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Chlorinated Hydrocarbon Results (Benthic) Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-154

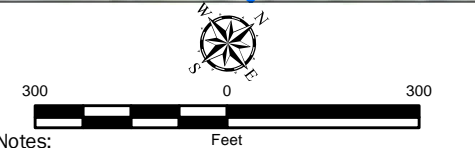


Phthalate Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

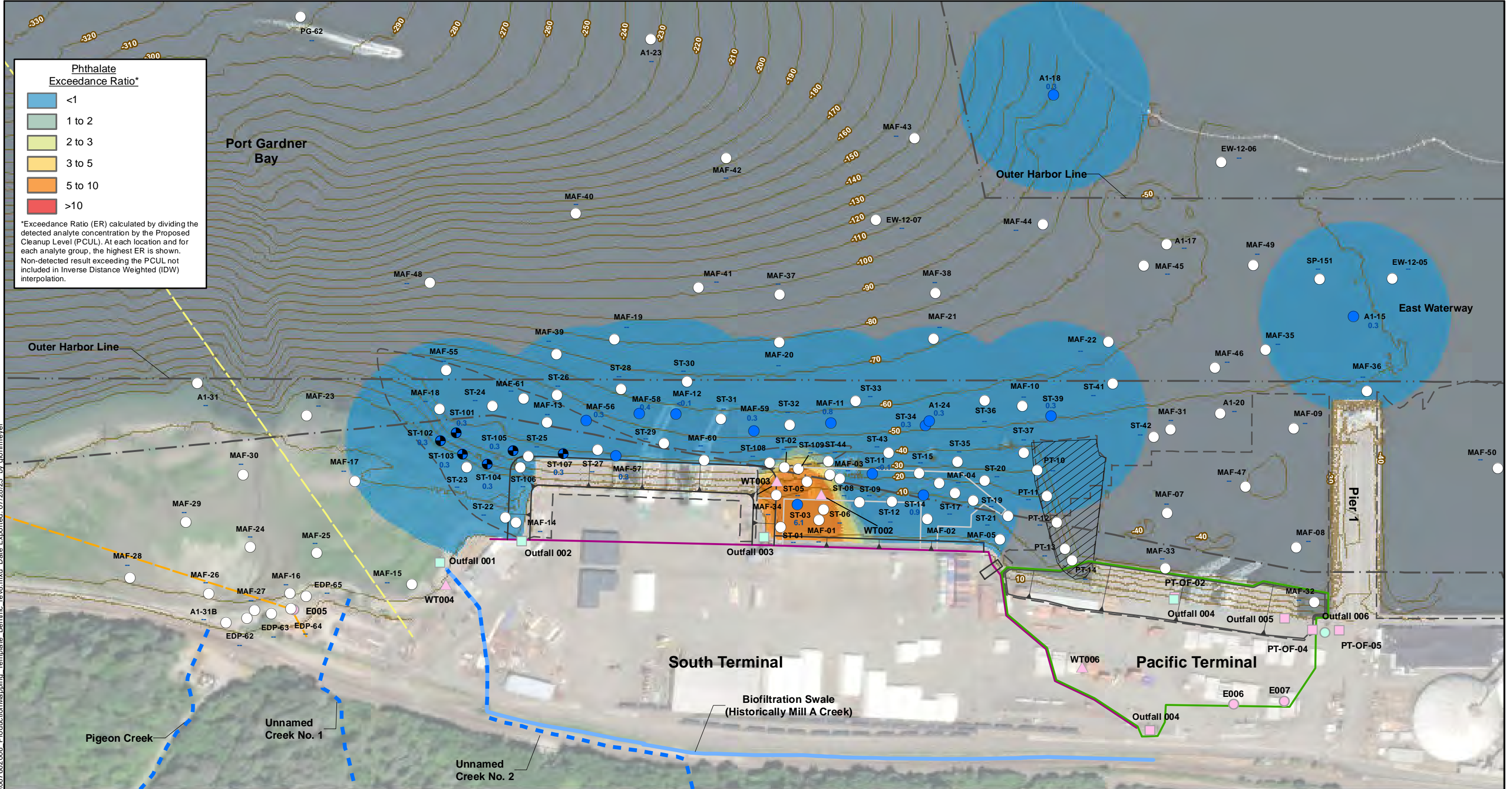
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

| | |
|---|---------------------|
| Phthalate Results (Benthic) Subsurface Sediment (0-2 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-155 |



Phthalate Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

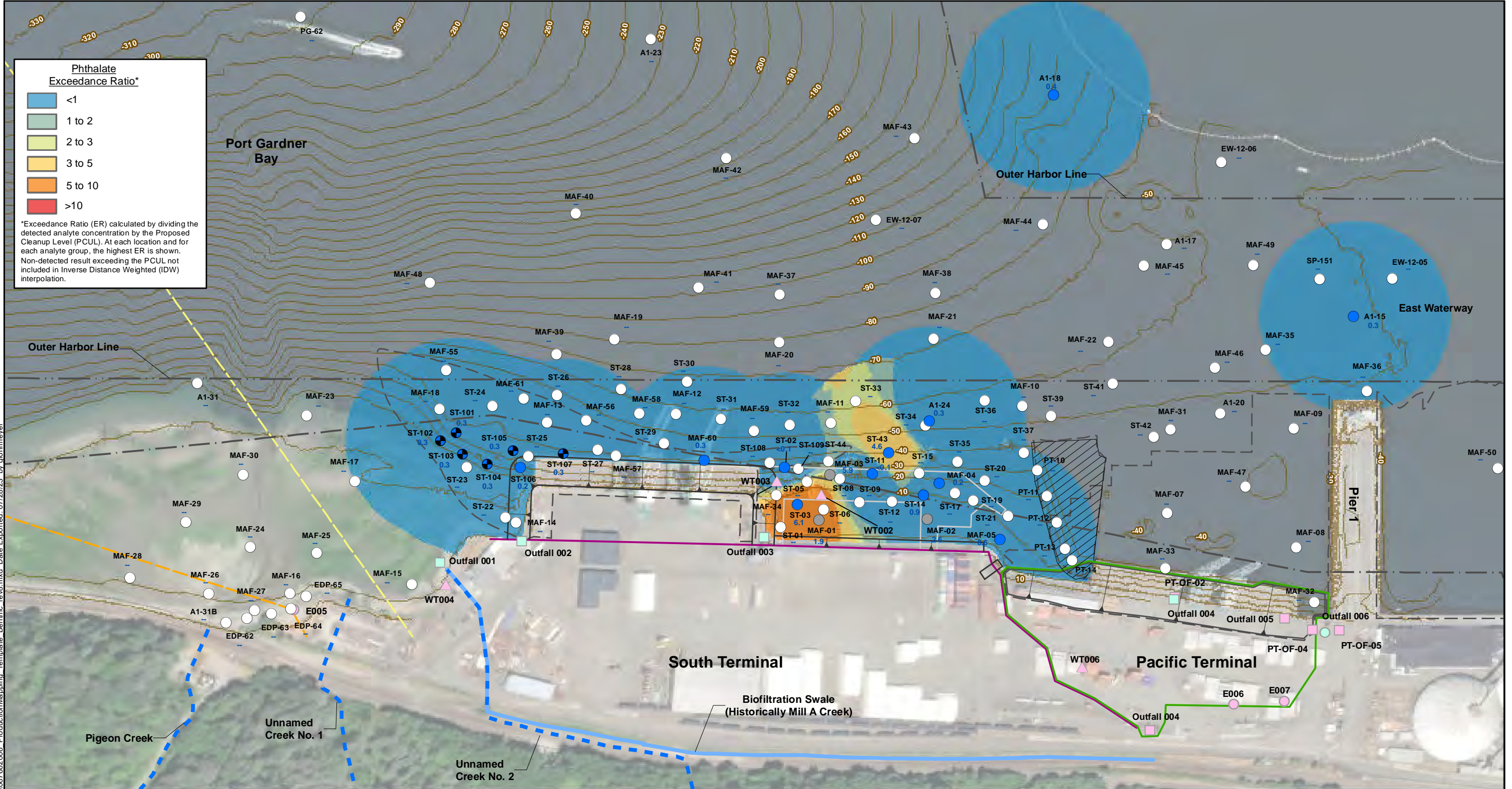
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Phthalate Results (Benthic)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-156



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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

- Marine Area Remedial Investigation Sampling Location**
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

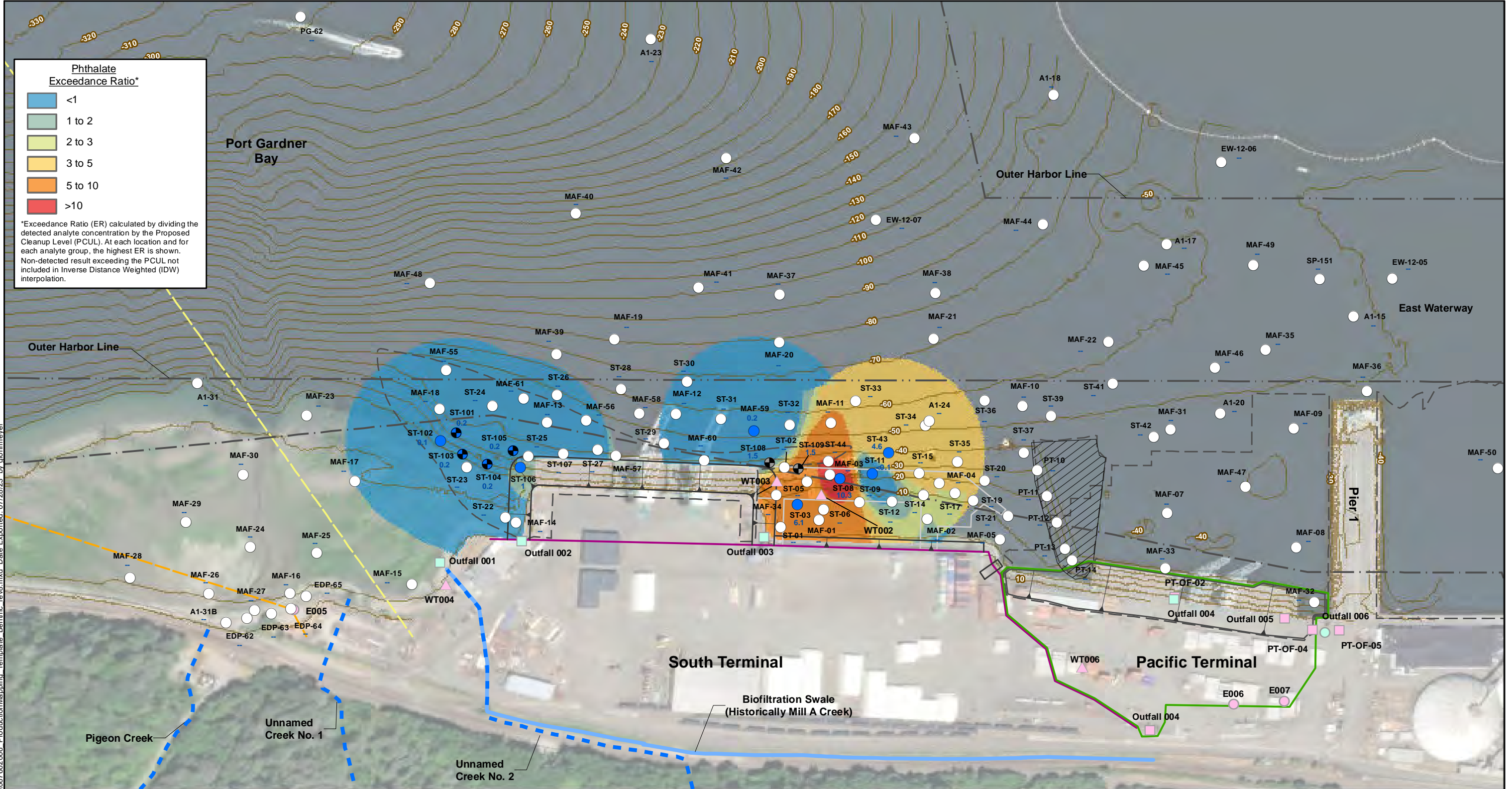
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Phthalate Results (Benthic) Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former Everett, Washington

GEOENGINEERS

Figure Q-157

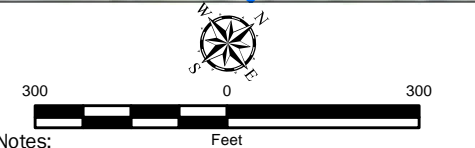


Phthalate Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

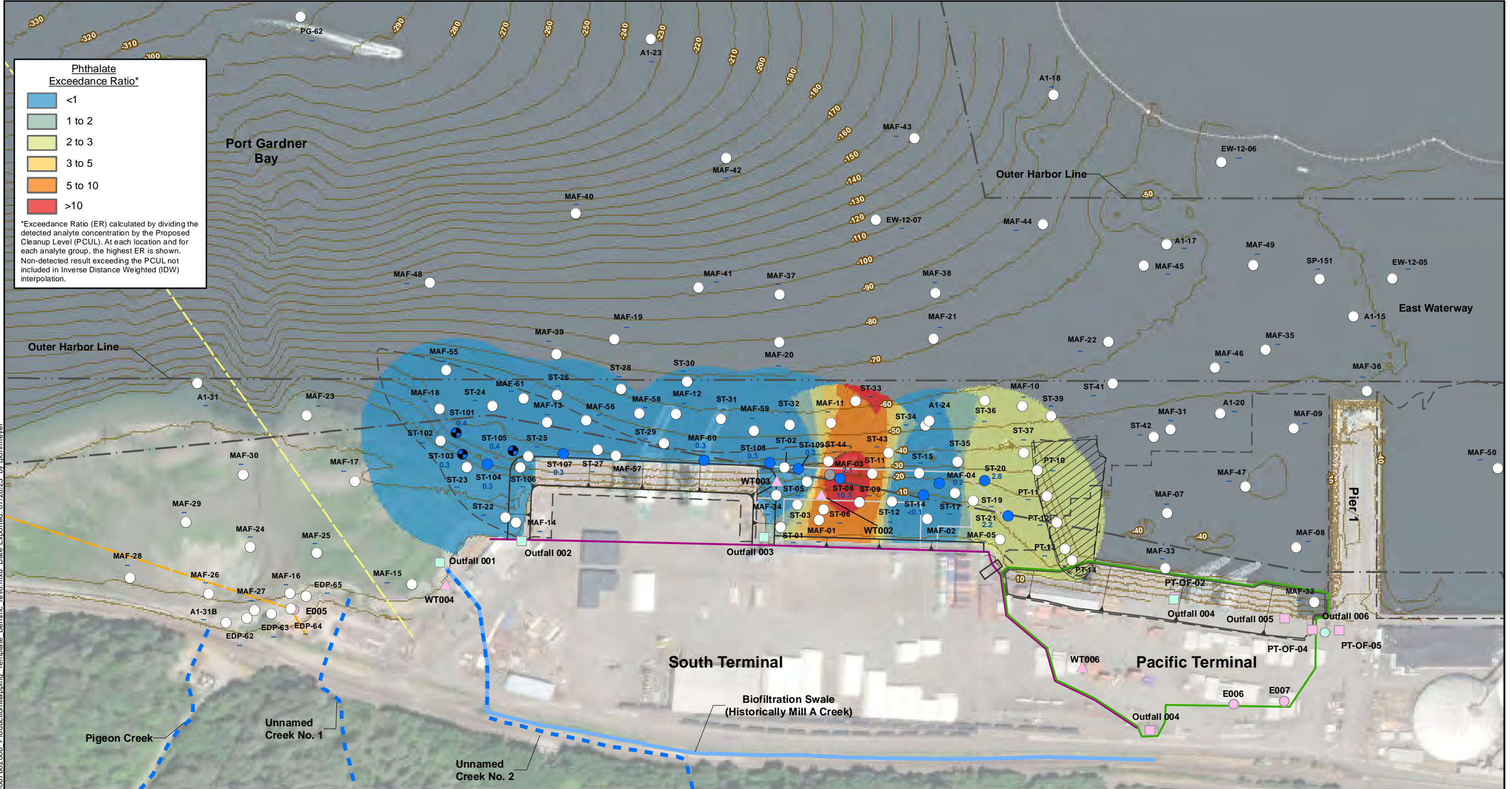
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

| | |
|---|---------------------|
| Phthalate Results (Benthic) Subsurface Sediment (6-8 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-158 |

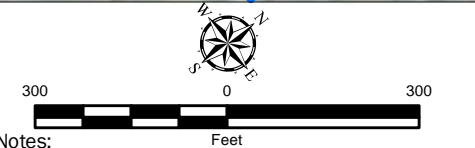


Phthalate Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

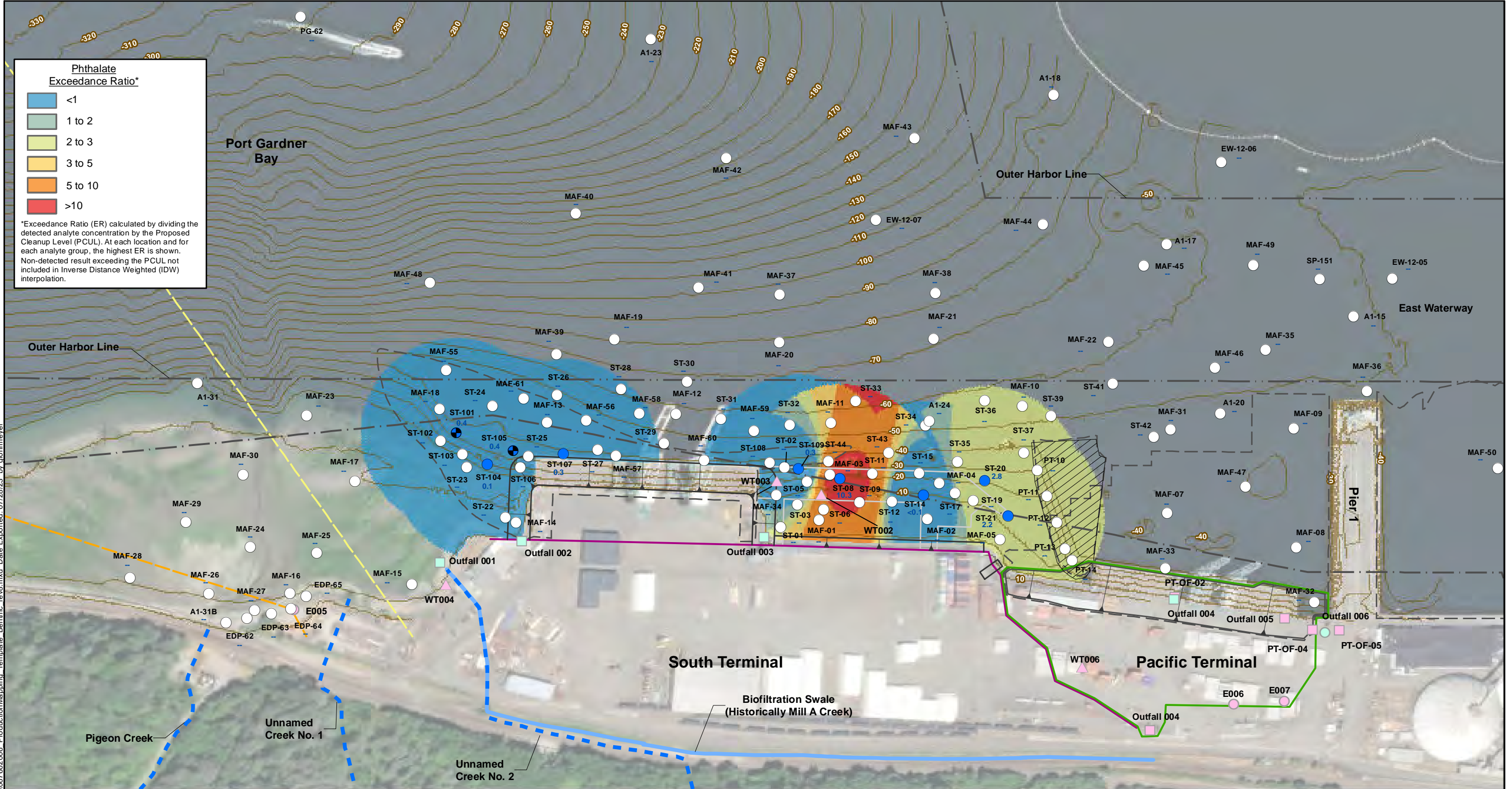
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Phthalate Results (Benthic)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-159



Phthalate Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

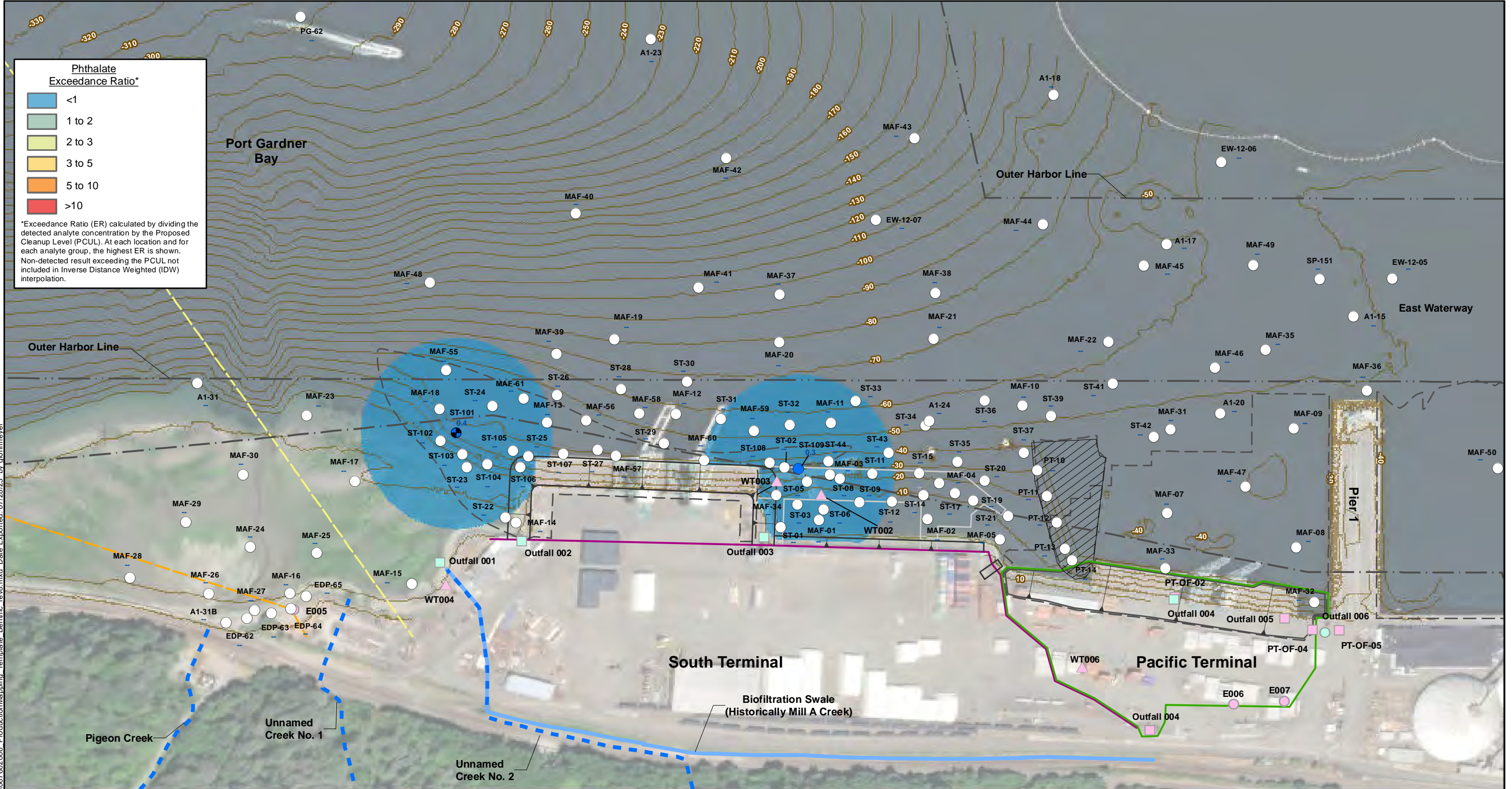
- MAF-01 1.22 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Phthalate Results (Benthic)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-160

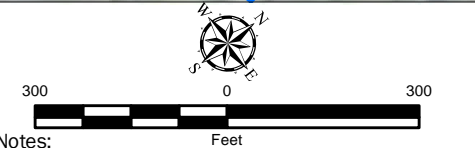


Phthalate Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

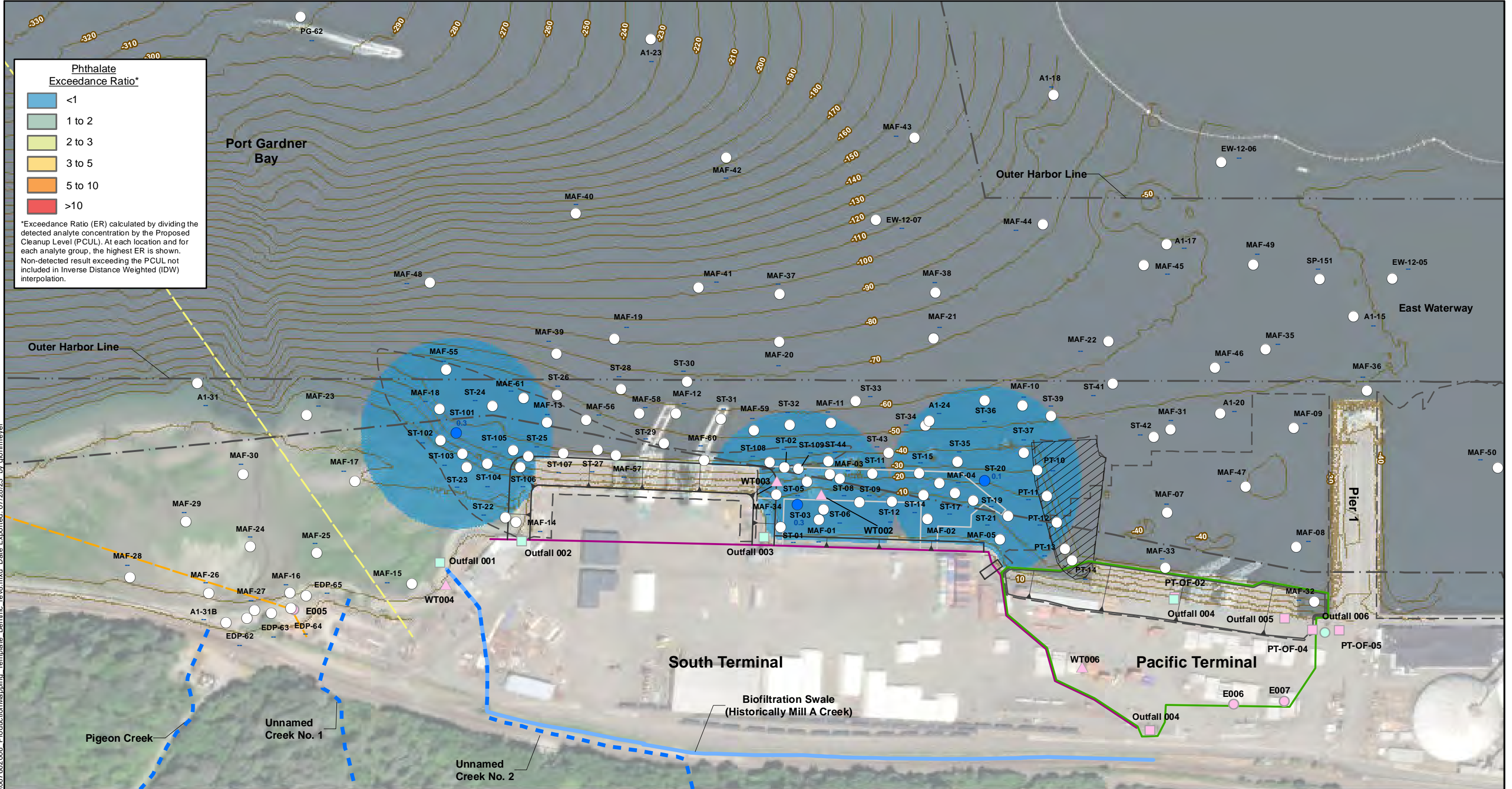
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Phthalate Results (Benthic)
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-161

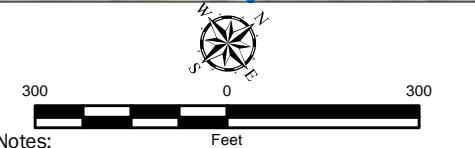


Phthalate Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

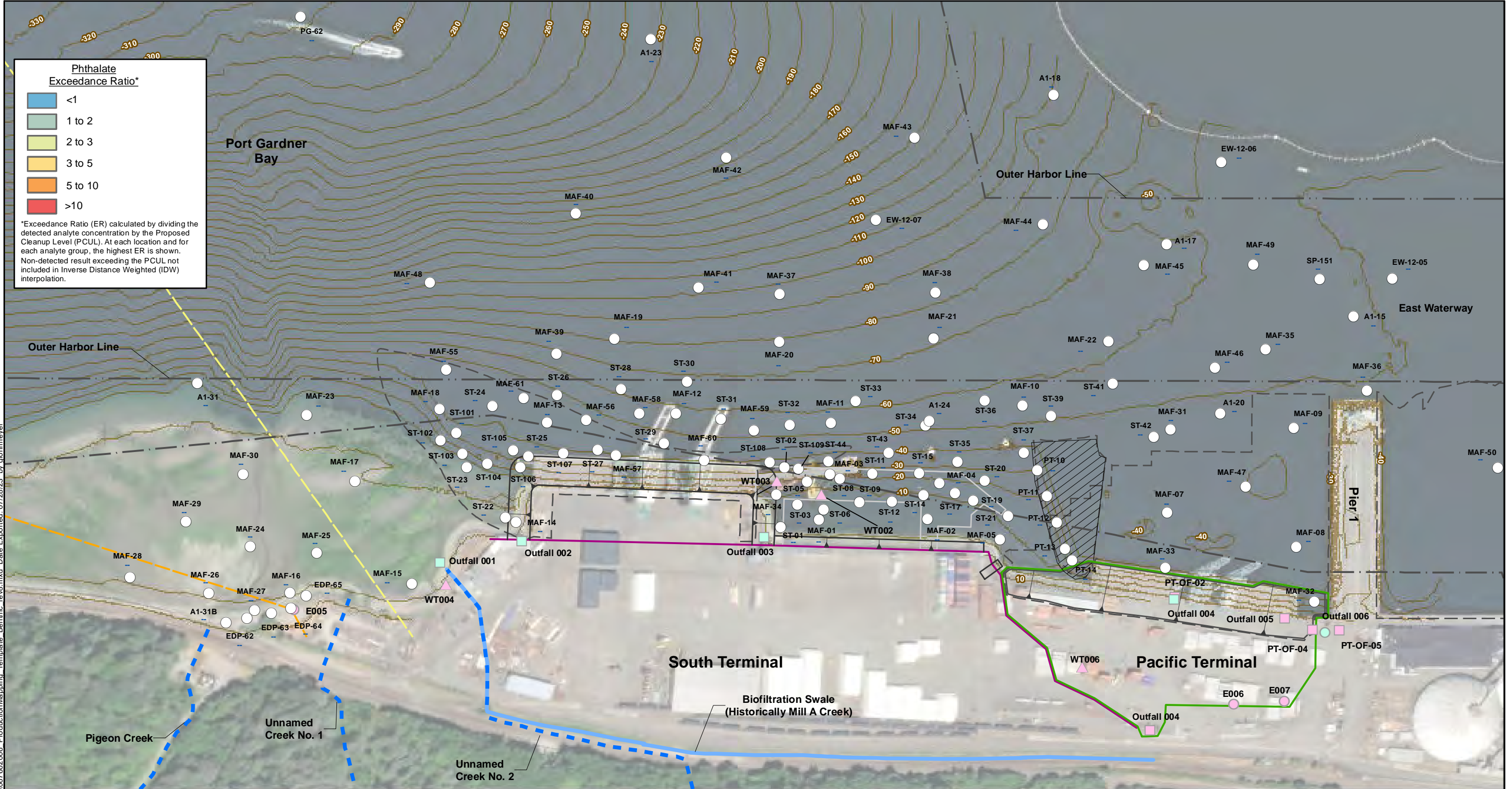
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|---|---------------------|
| Phthalate Results (Benthic) Subsurface Sediment (14-16 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-162 |

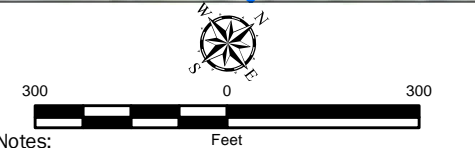


Phthalate Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

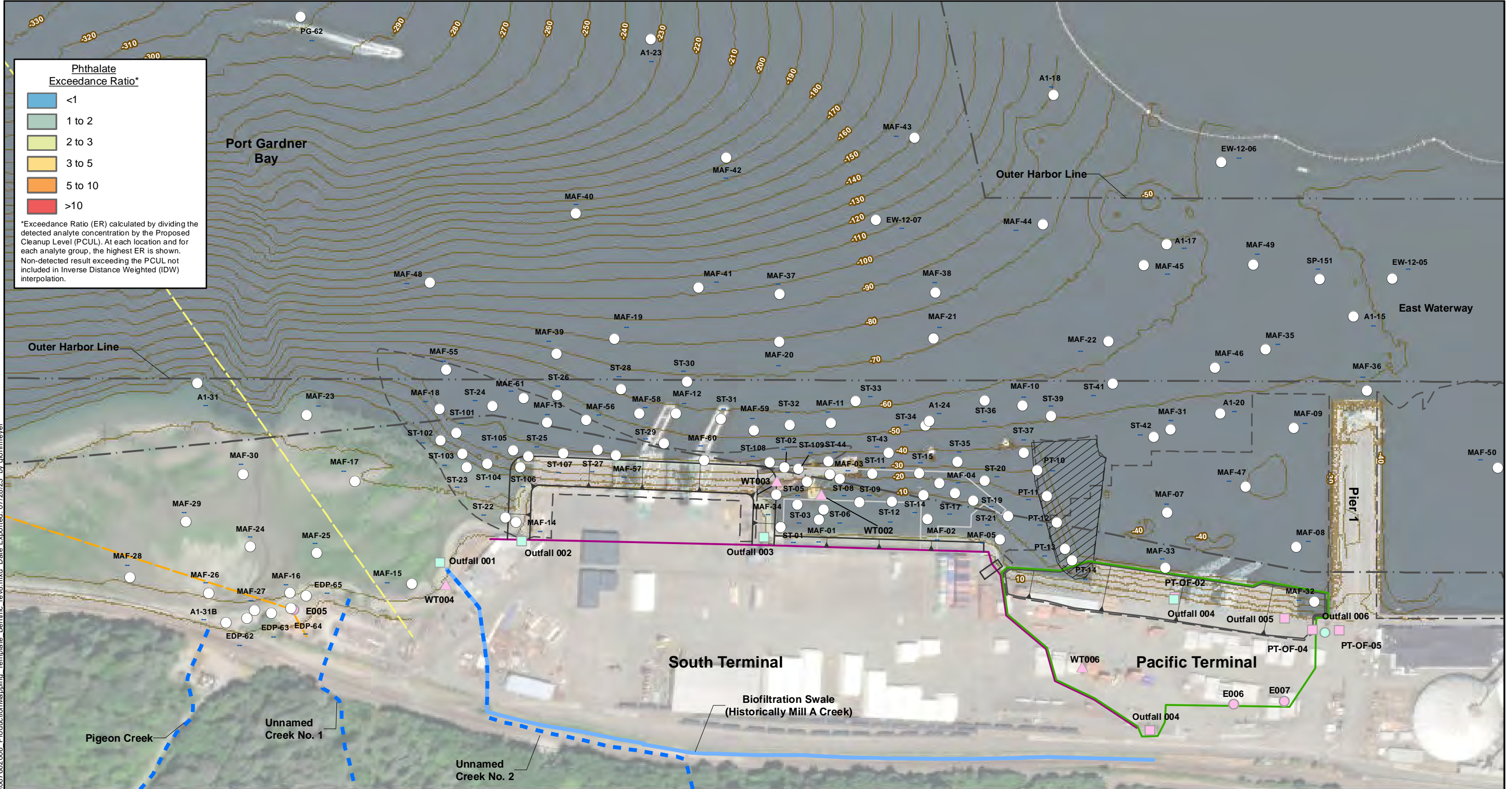
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Phthalate Results (Benthic) Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-163



Phthalate Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

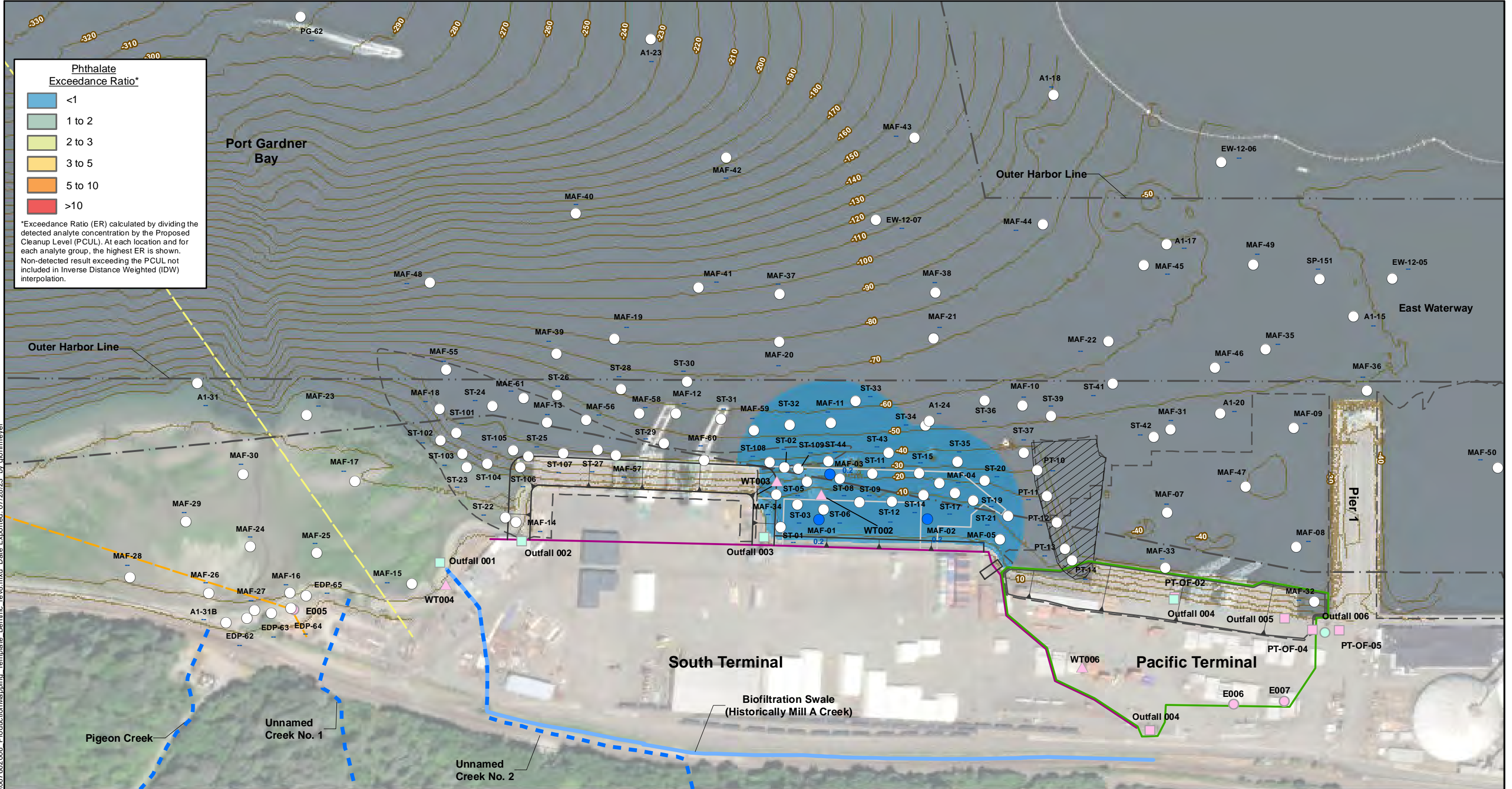
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Phthalate Results (Benthic) Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-164

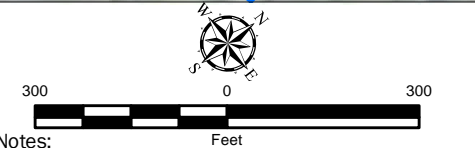


Phthalate Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

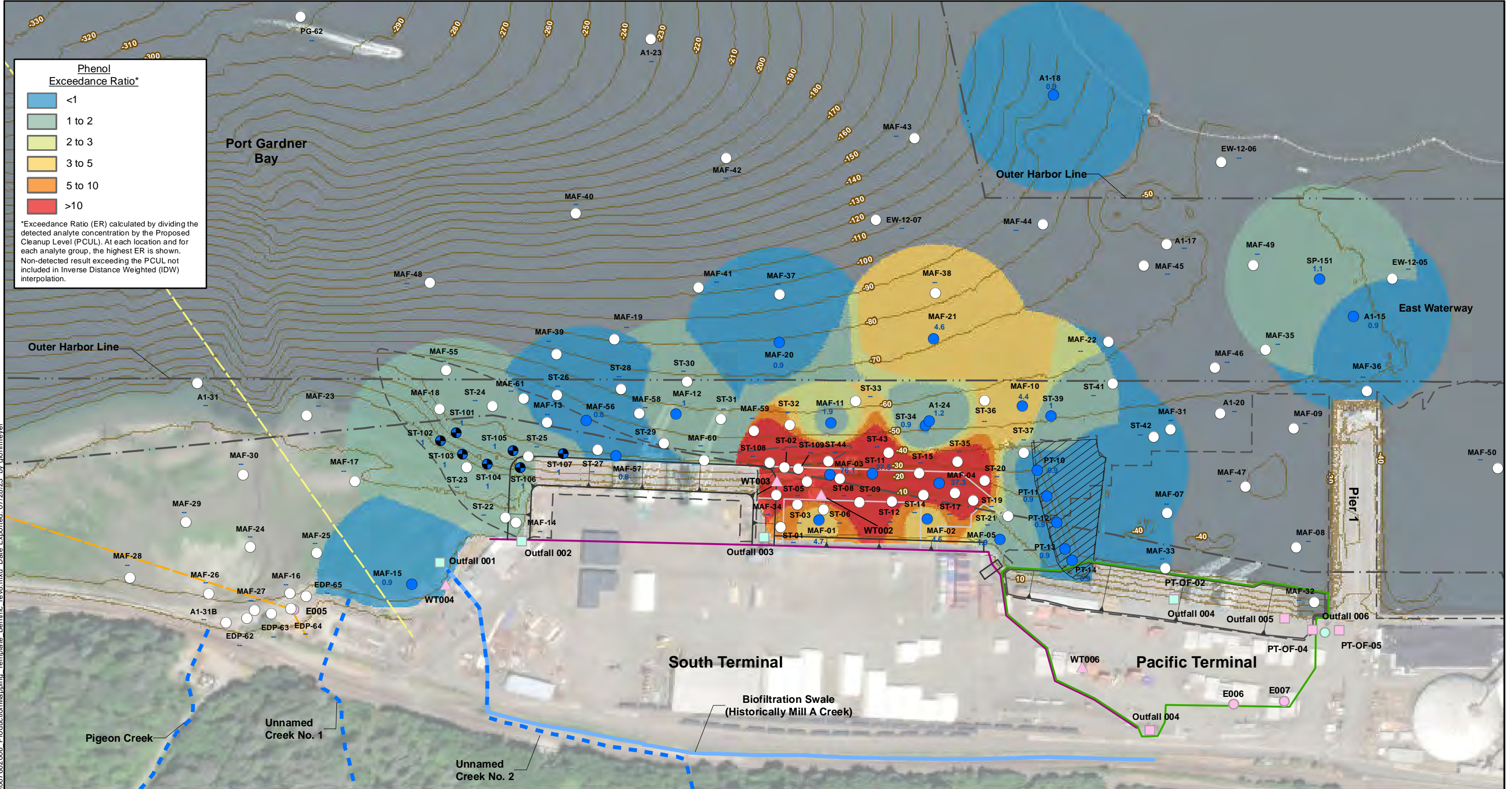
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Phthalate Results (Benthic)
Subsurface Sediment (20-22 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-165

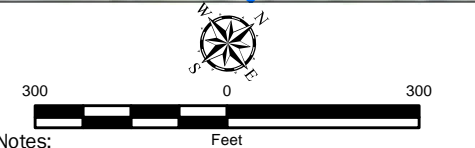


Phenol Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

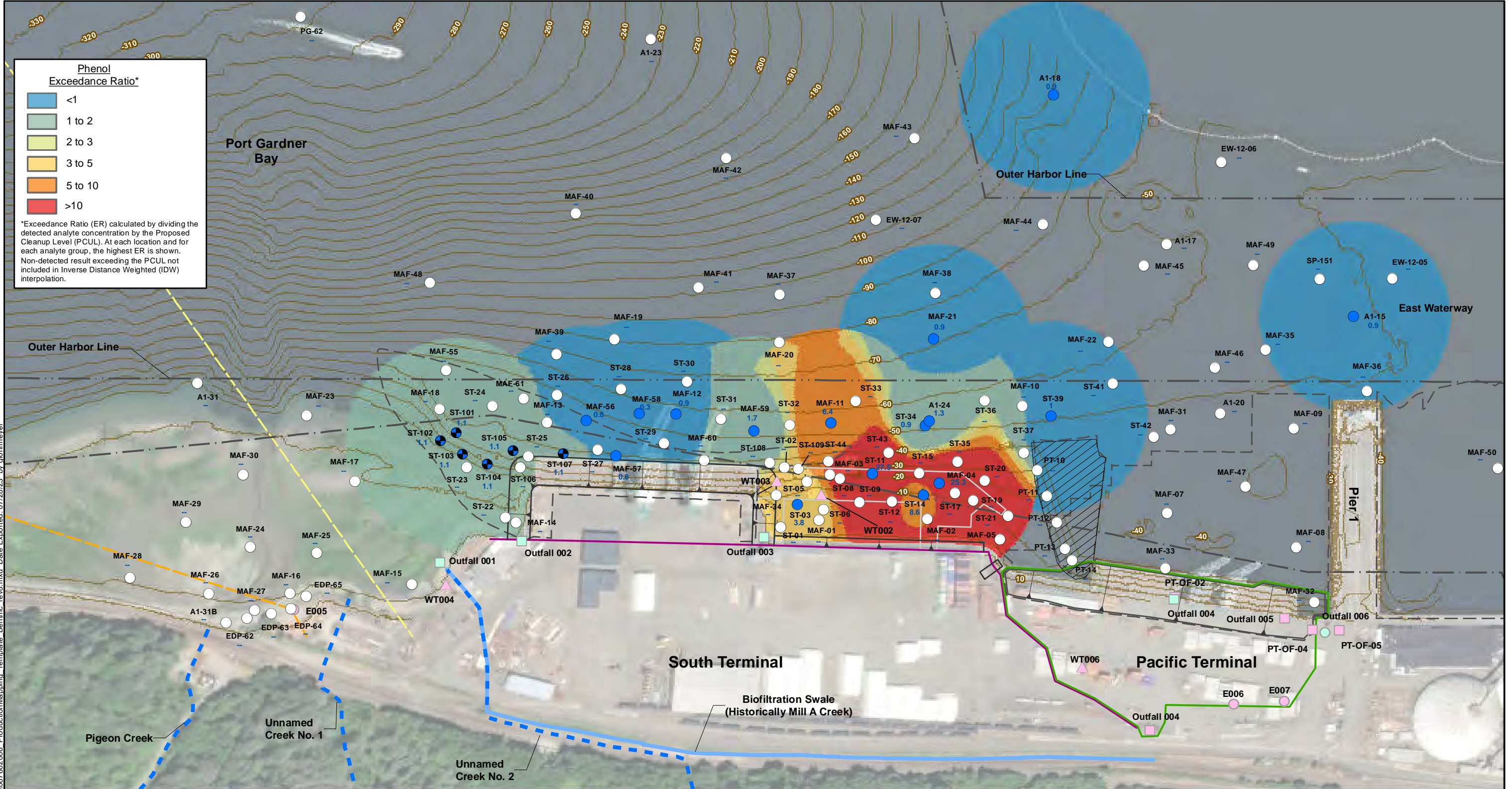
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-166

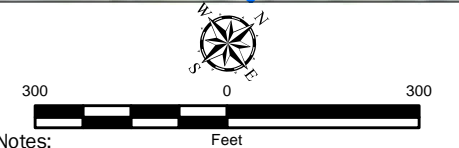


Phenol Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

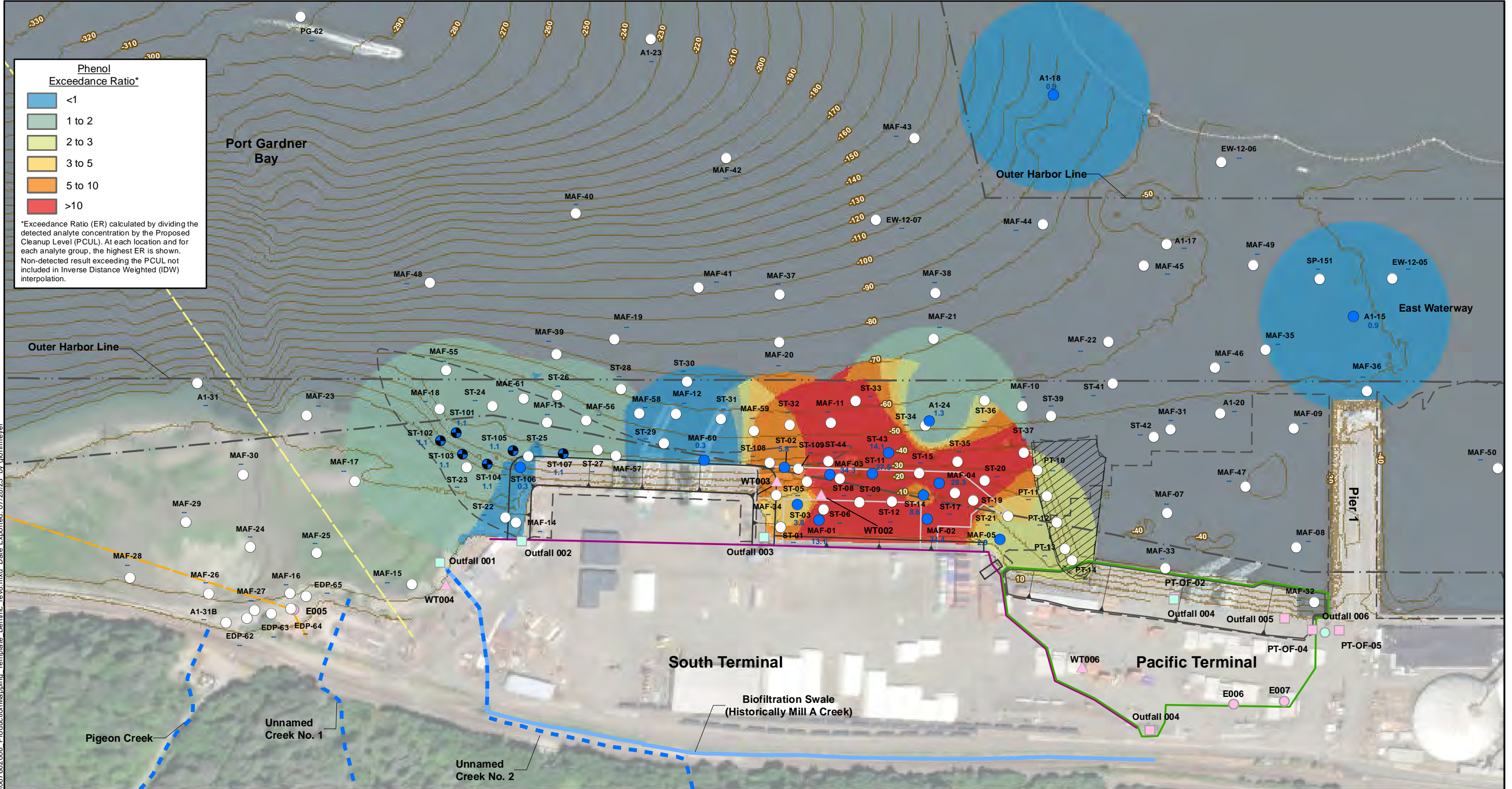
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

| | |
|--|---------------------|
| Phenol Results (Benthic) Subsurface Sediment (2-4 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-167 |



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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

- Marine Area Remedial Investigation Sampling Location**
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

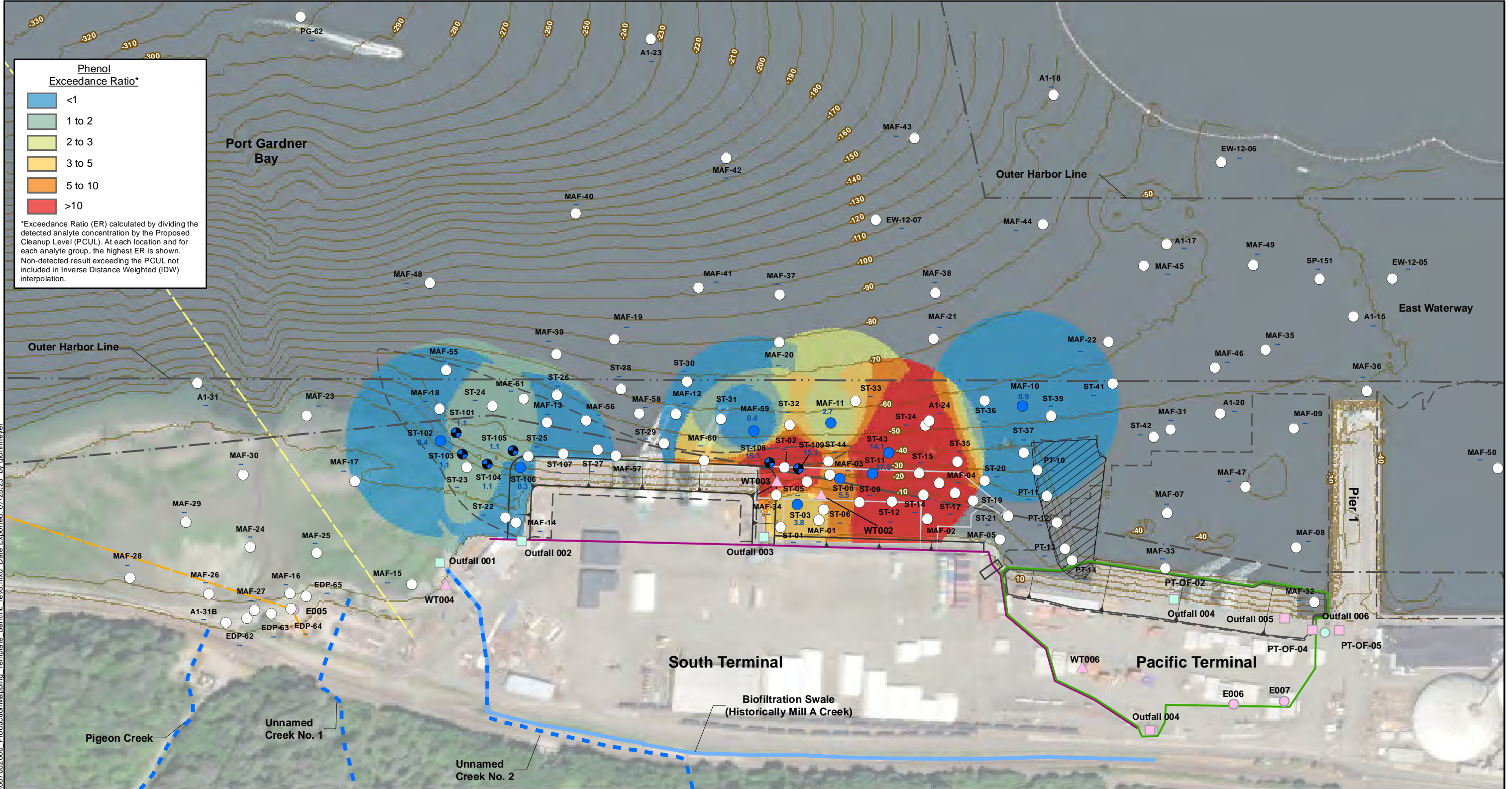
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-168

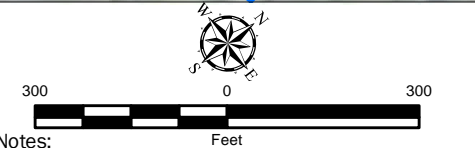


Phenol Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

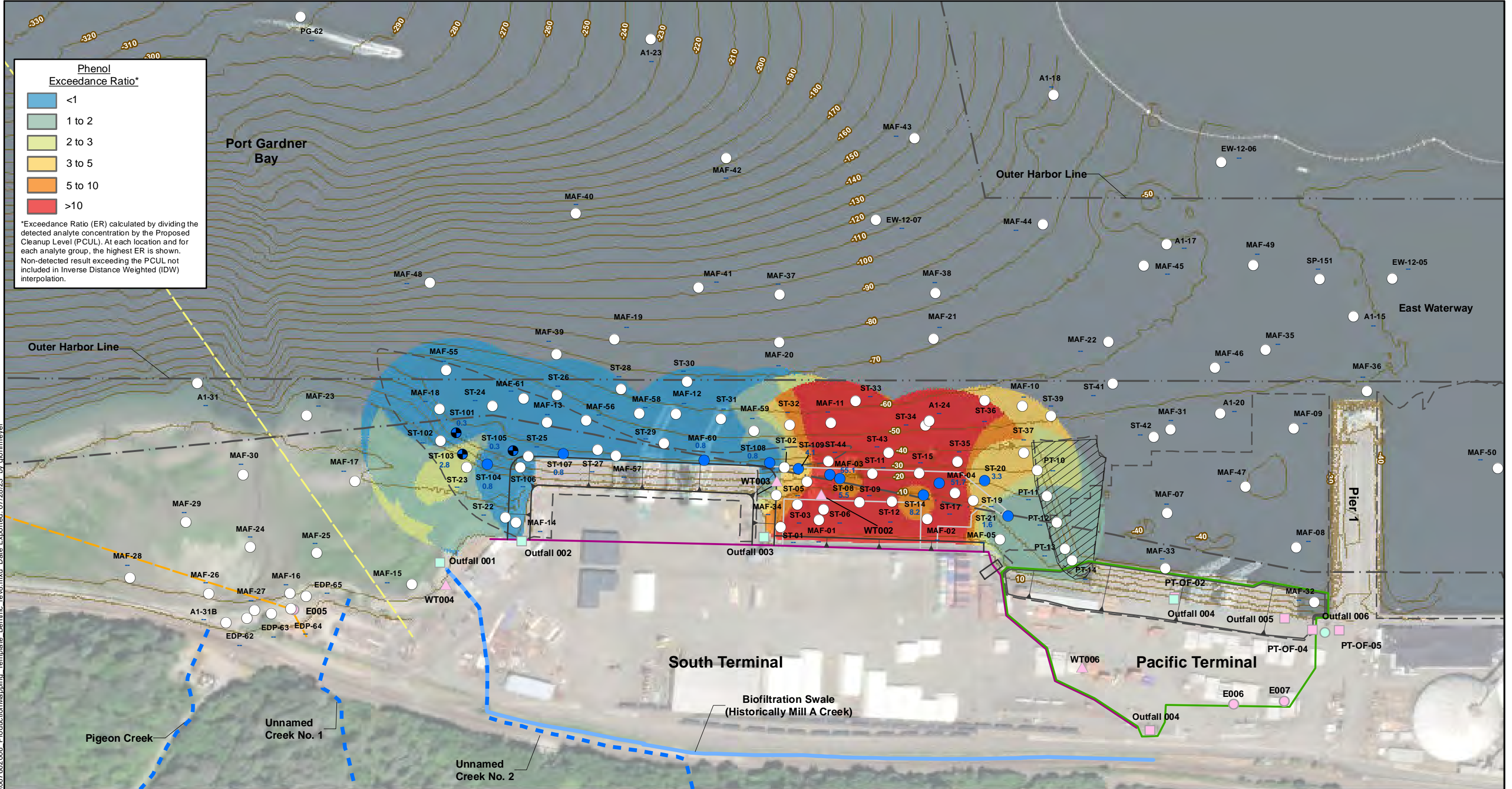
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (6-8 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-169

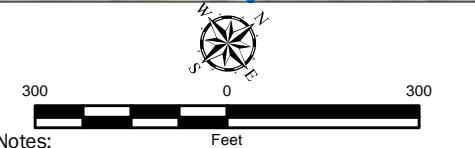


Phenol Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

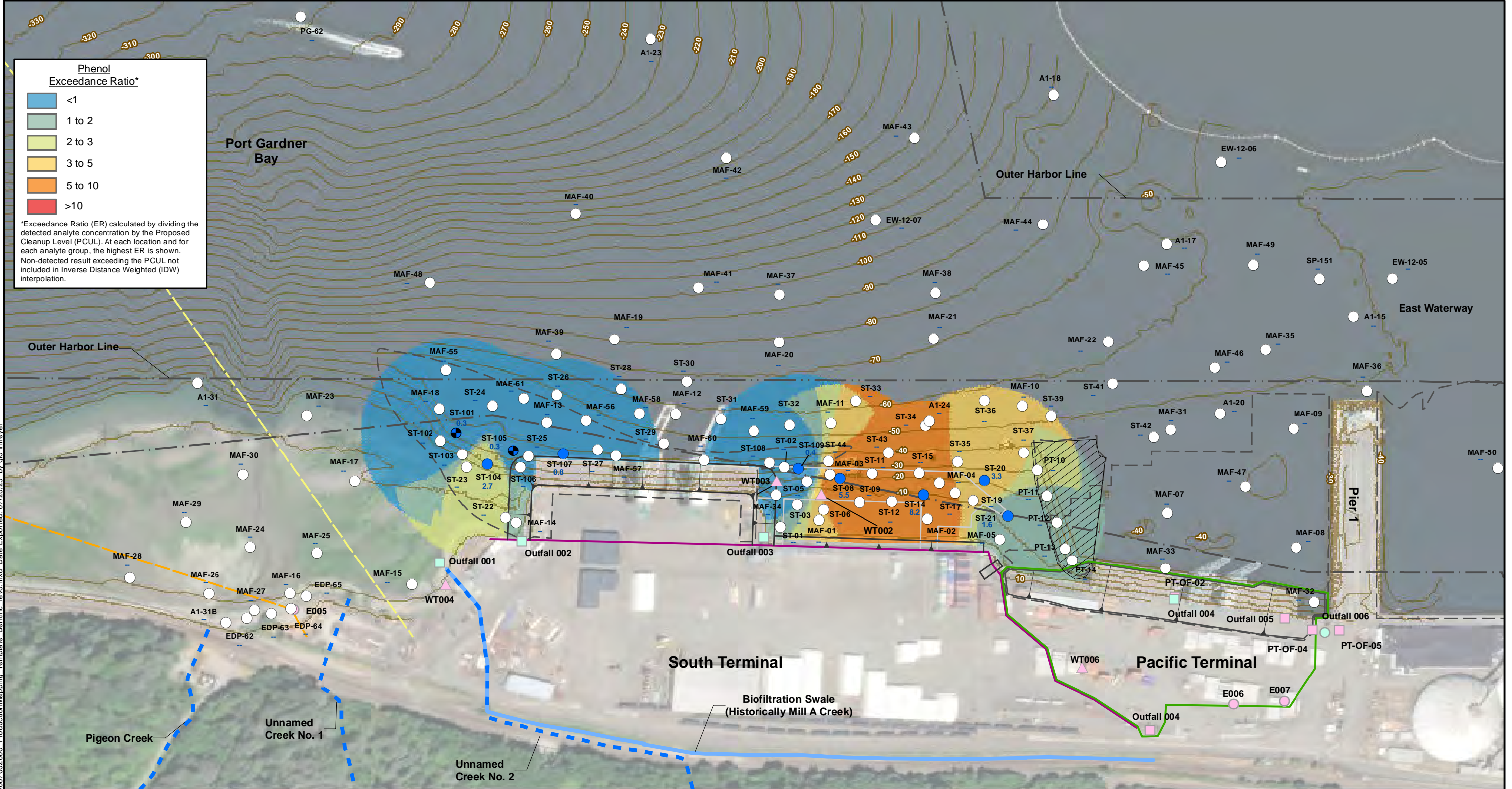
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-170

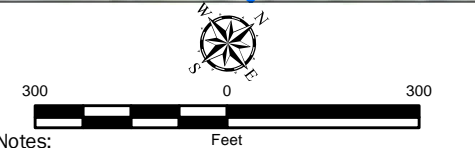


Phenol Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

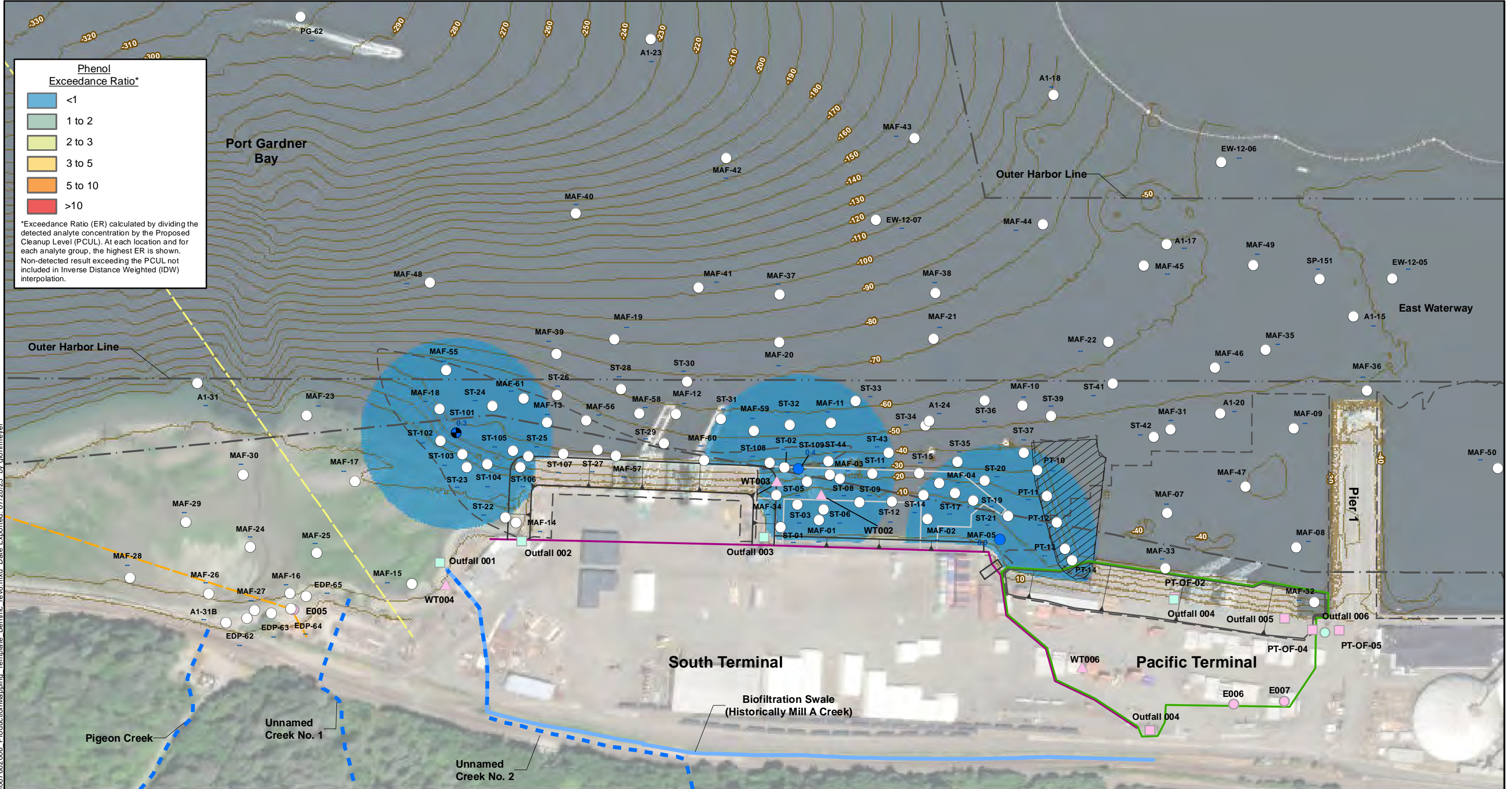
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-171



Phenol Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

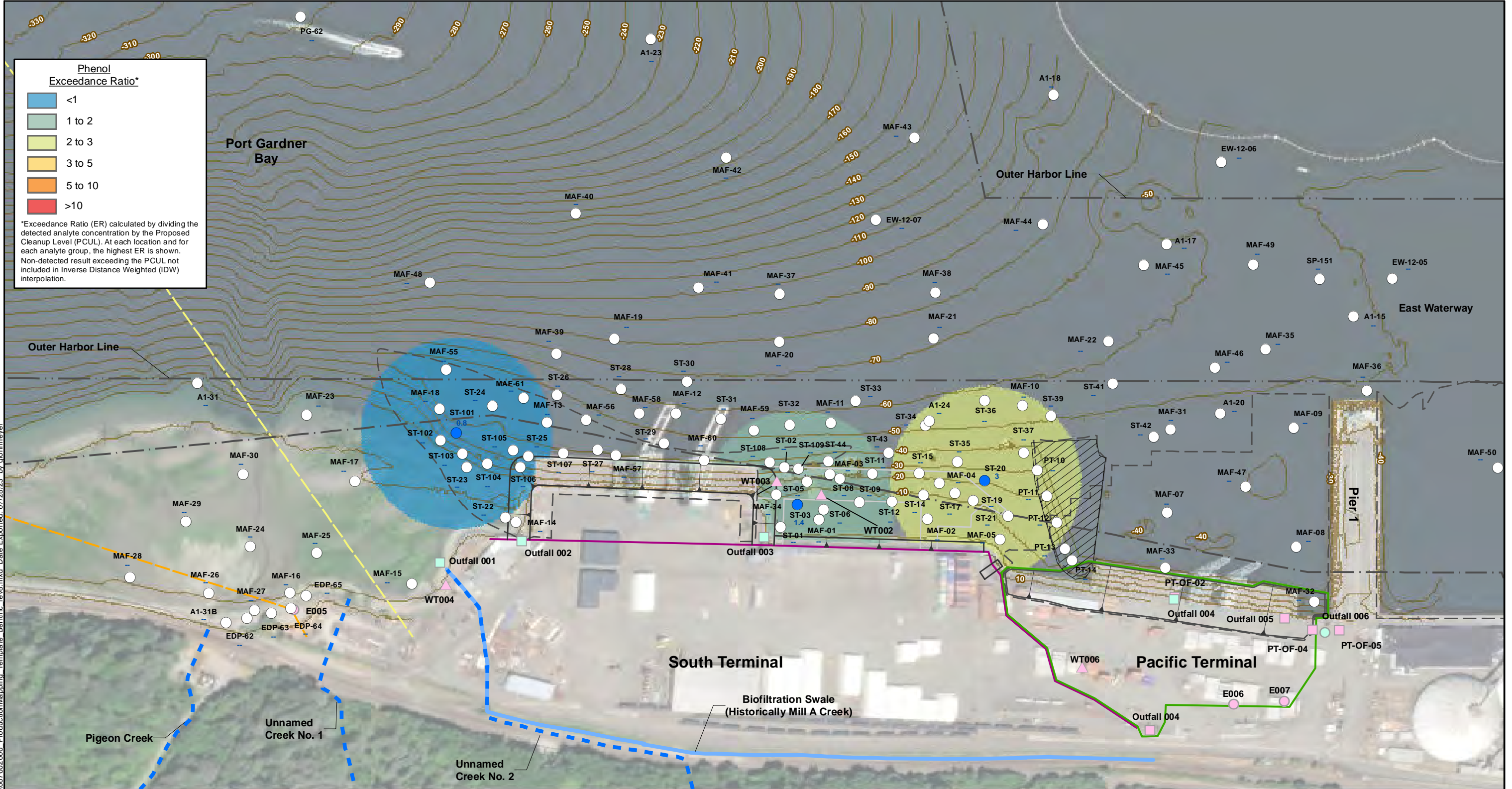
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-172

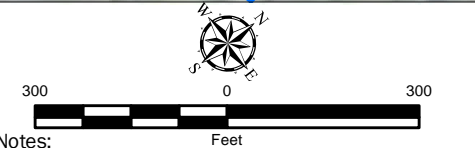


Phenol Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

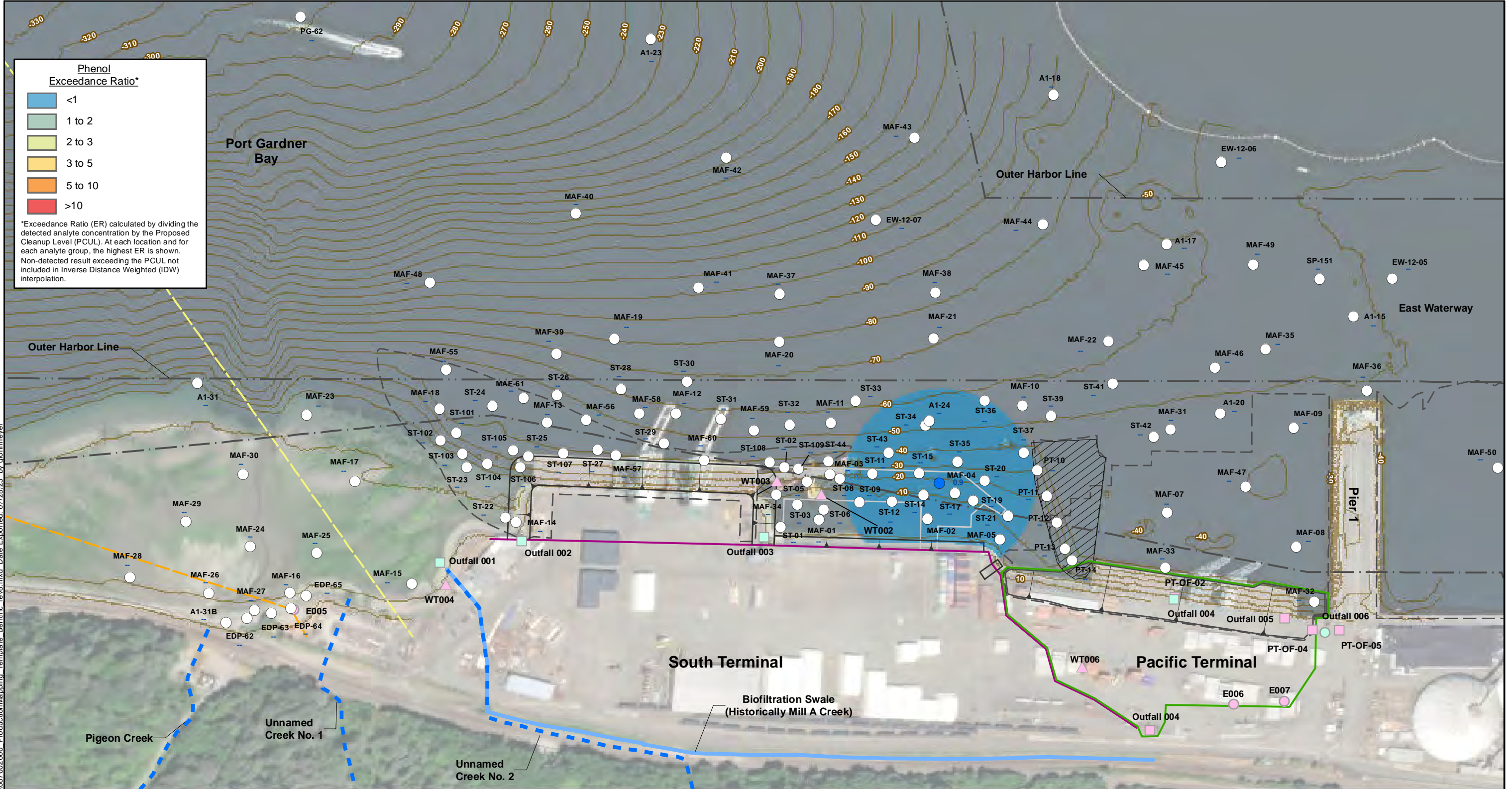
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-173

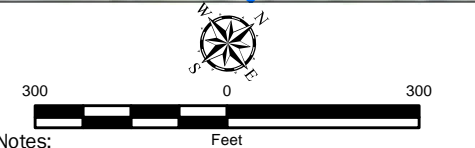


Phenol Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

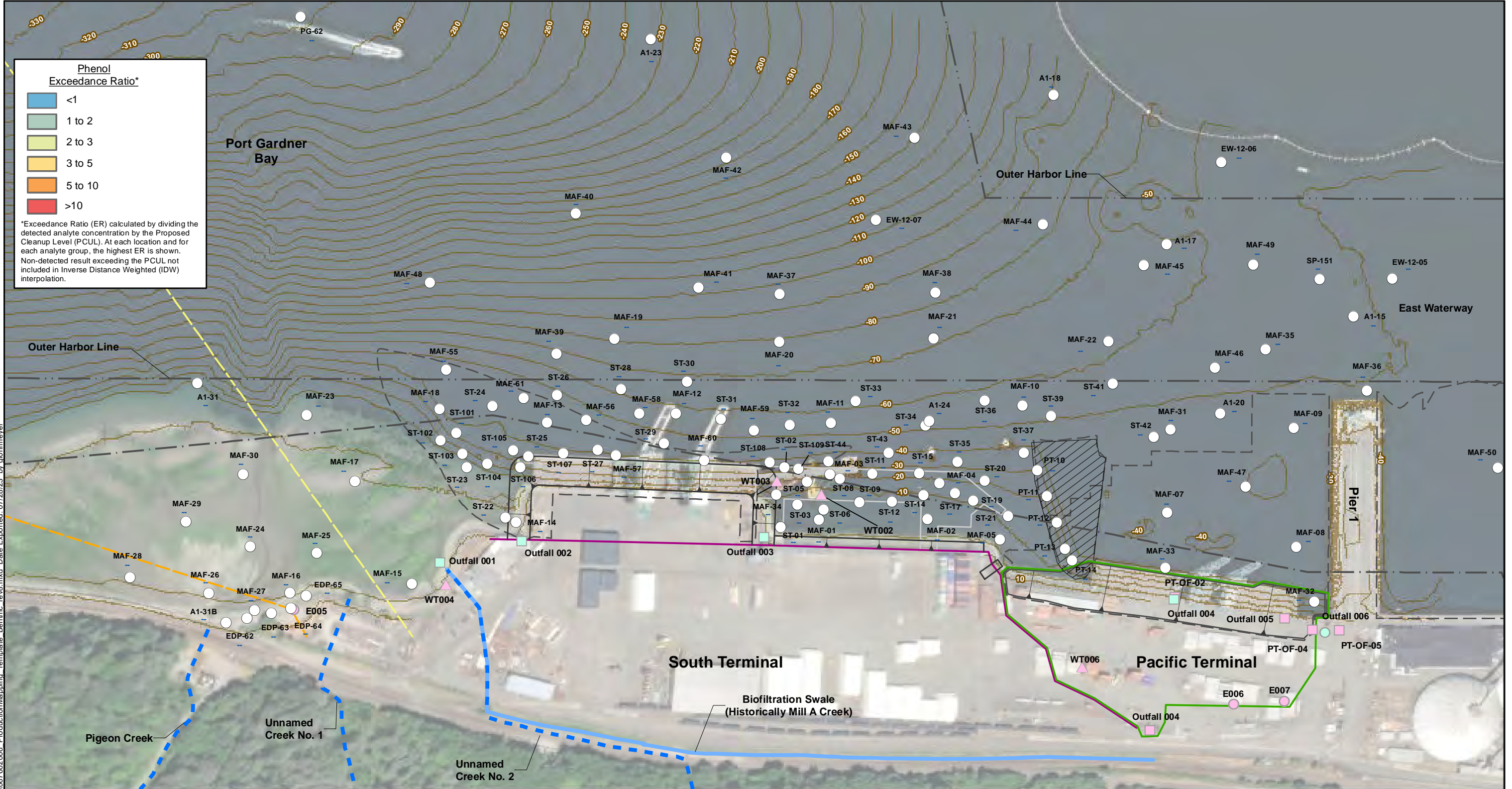
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-174

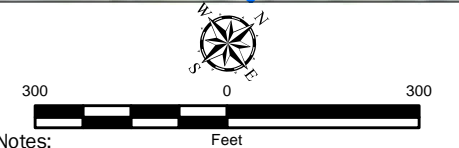


Phenol Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

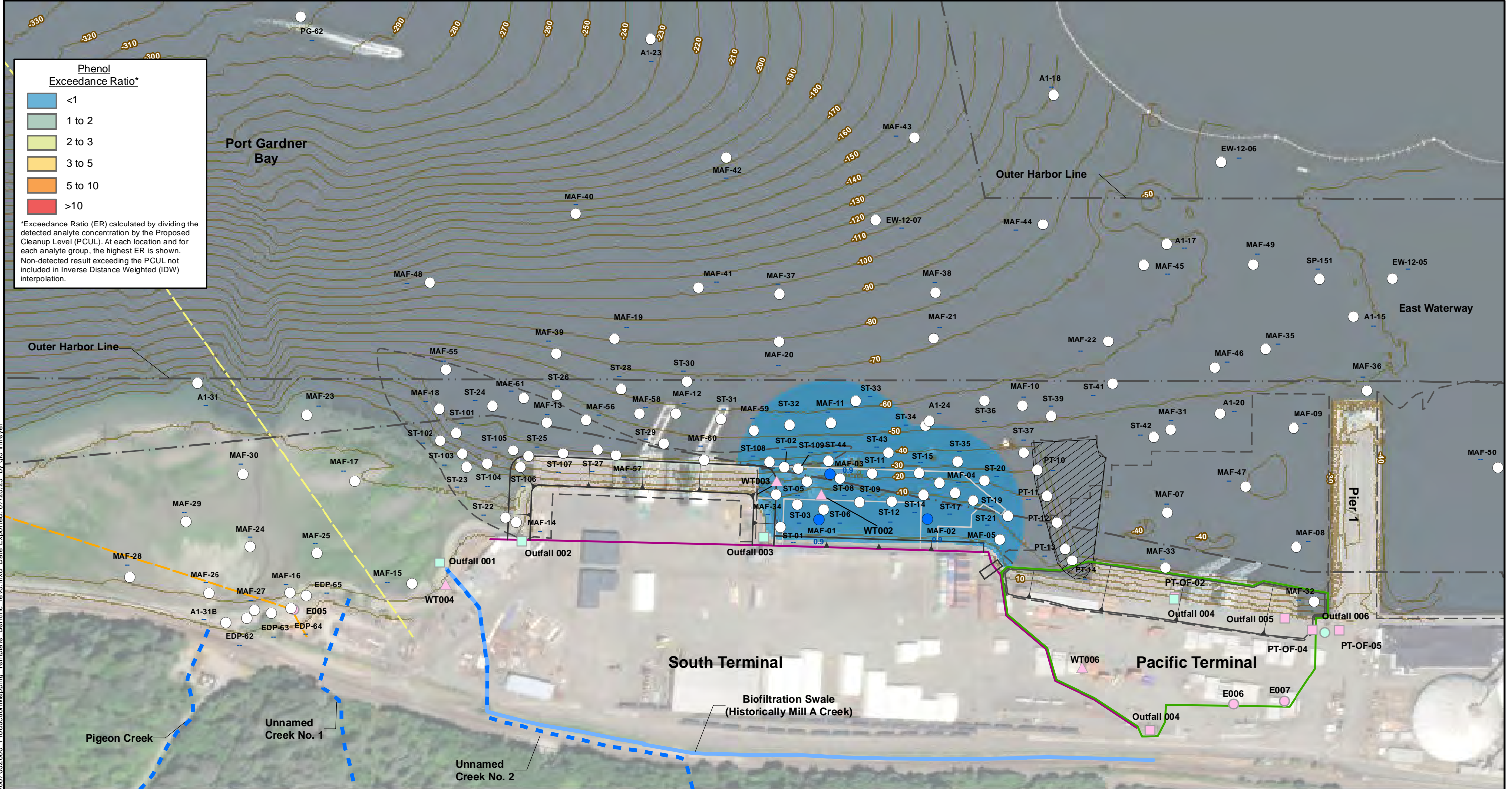
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-175

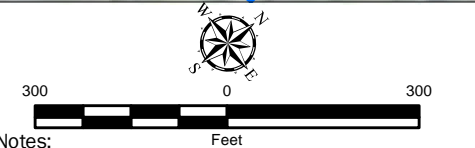


Phenol Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

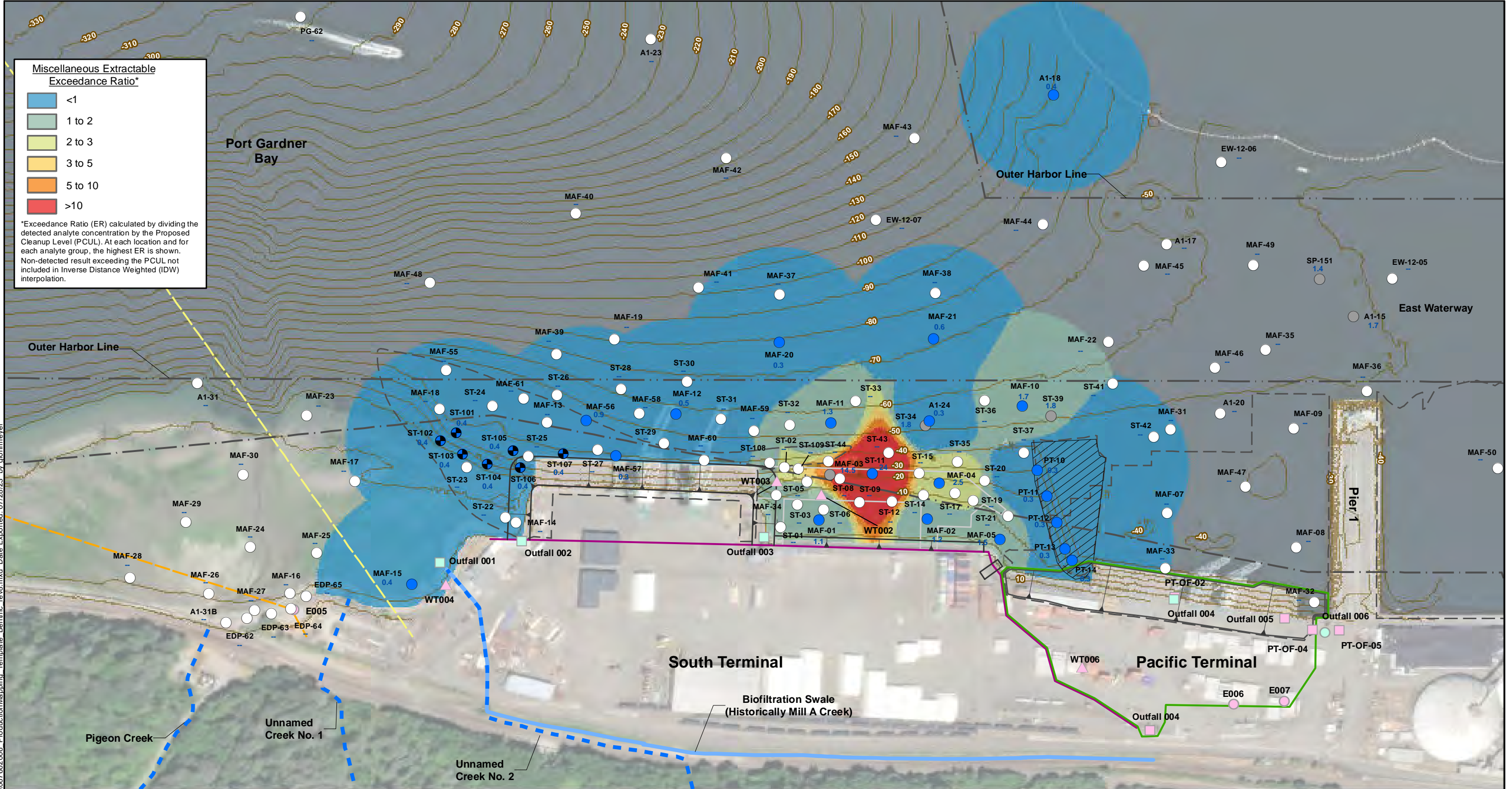
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Phenol Results (Benthic)
Subsurface Sediment (20-22 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-176

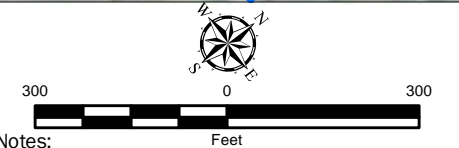


Miscellaneous Extractable Exceedance Ratio*

| |
|-----------------|
| <math><1</math> |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

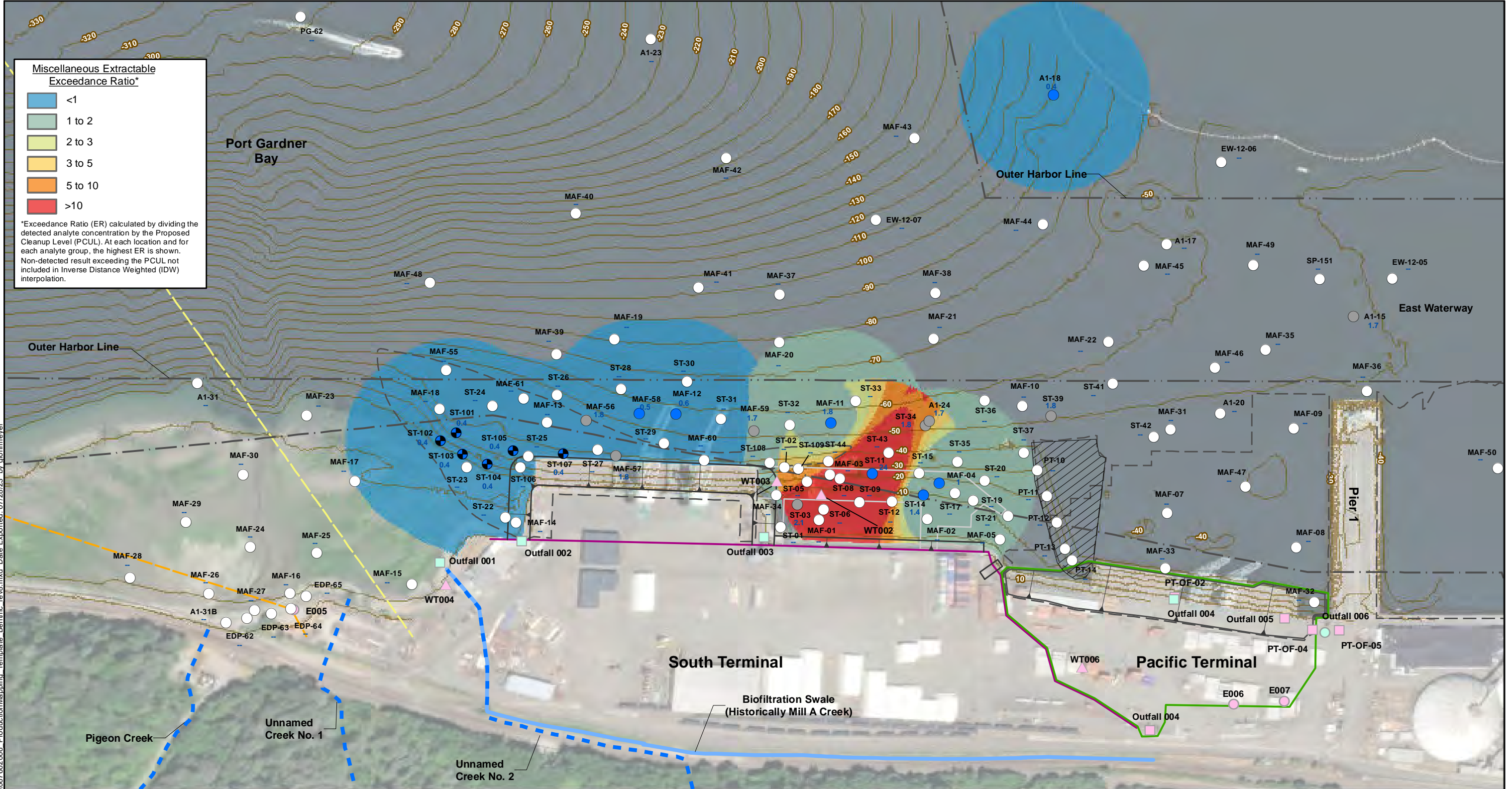
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (0-2 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-177

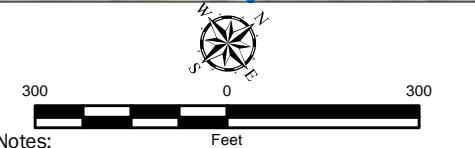


Miscellaneous Extractable Exceedance Ratio*

| | |
|--------------|---------|
| Blue | <1 |
| Light Green | 1 to 2 |
| Yellow-Green | 2 to 3 |
| Yellow | 3 to 5 |
| Orange | 5 to 10 |
| Red | >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Blue circle: Discreet Sample Result
- White circle: No Sample/Result
- Grey circle: Non-Detect Result Exceeds PCUL
- Black circle with dot: Composite Sample Result
- White circle with diagonal lines: Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Blue circle: Sample Location Identification Result
- Black rectangle: Construction Berm
- White rectangle: Historical Piling Area
- Black rectangle with dashed border: Dredged Area
- Green rectangle: Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Orange dashed line: Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Yellow dashed line: Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

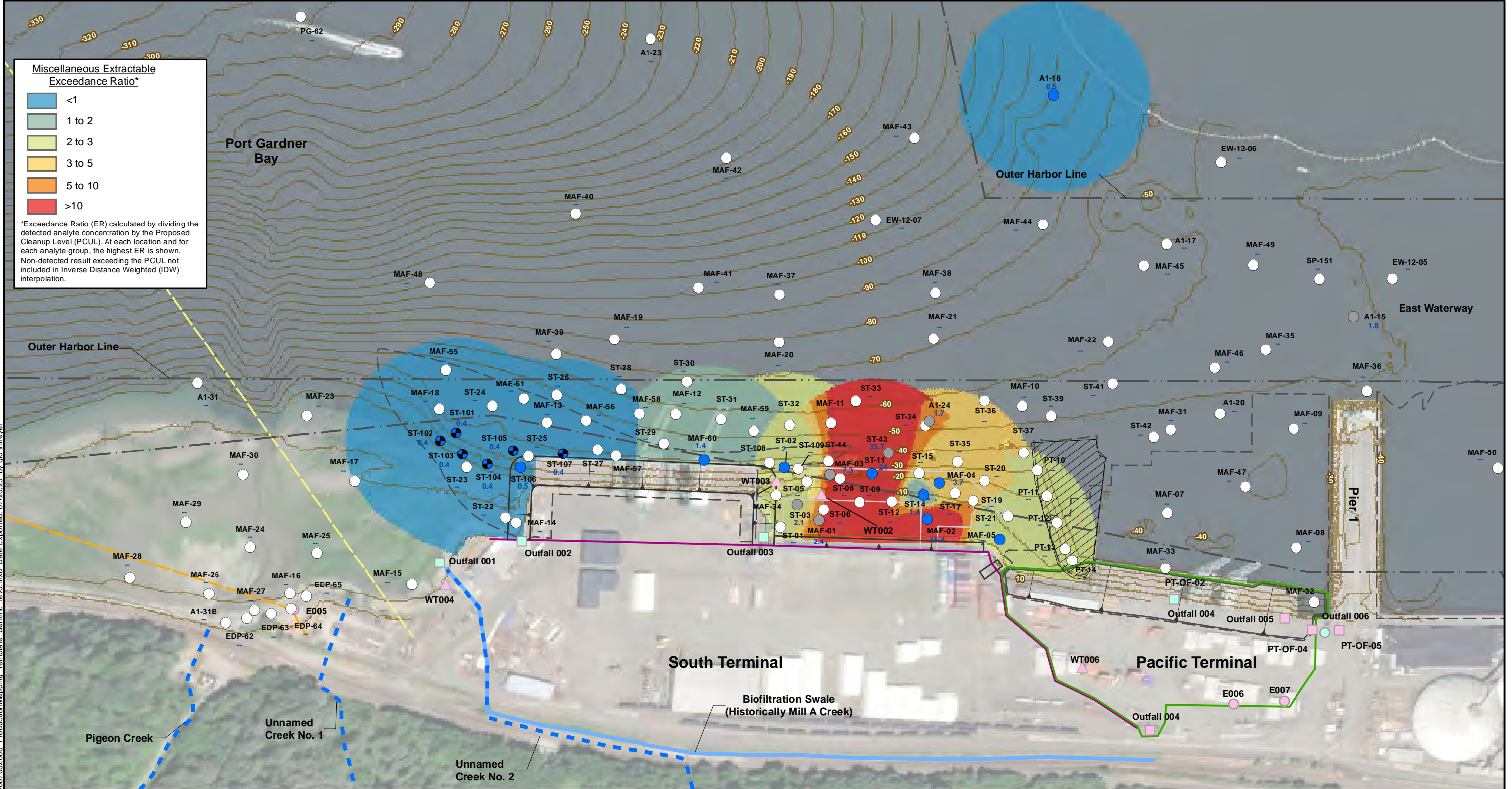
- Purple line: Bulkhead
- Brown line: Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Pink triangle: Historical Industrial Outfall (Abandoned)
- Pink circle: Former Combined Sewer Outfall (CSO, Abandoned)
- Pink square: Former Stormwater Outfall (Abandoned)
- Green circle: Current CSO
- Green square: Current Stormwater Outfall

**Miscellaneous Extractable Results (Benthic)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-178

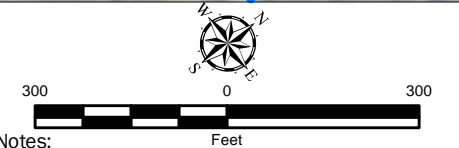


Miscellaneous Extractable Exceedance Ratio*

| | |
|--------------|---------|
| Blue | <1 |
| Light Green | 1 to 2 |
| Yellow-Green | 2 to 3 |
| Yellow | 3 to 5 |
| Orange | 5 to 10 |
| Red | >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Blue circle: Discreet Sample Result
- White circle: No Sample/Result
- Grey circle: Non-Detect Result Exceeds PCUL
- Black circle with dot: Composite Sample Result
- Blue hatched area: Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

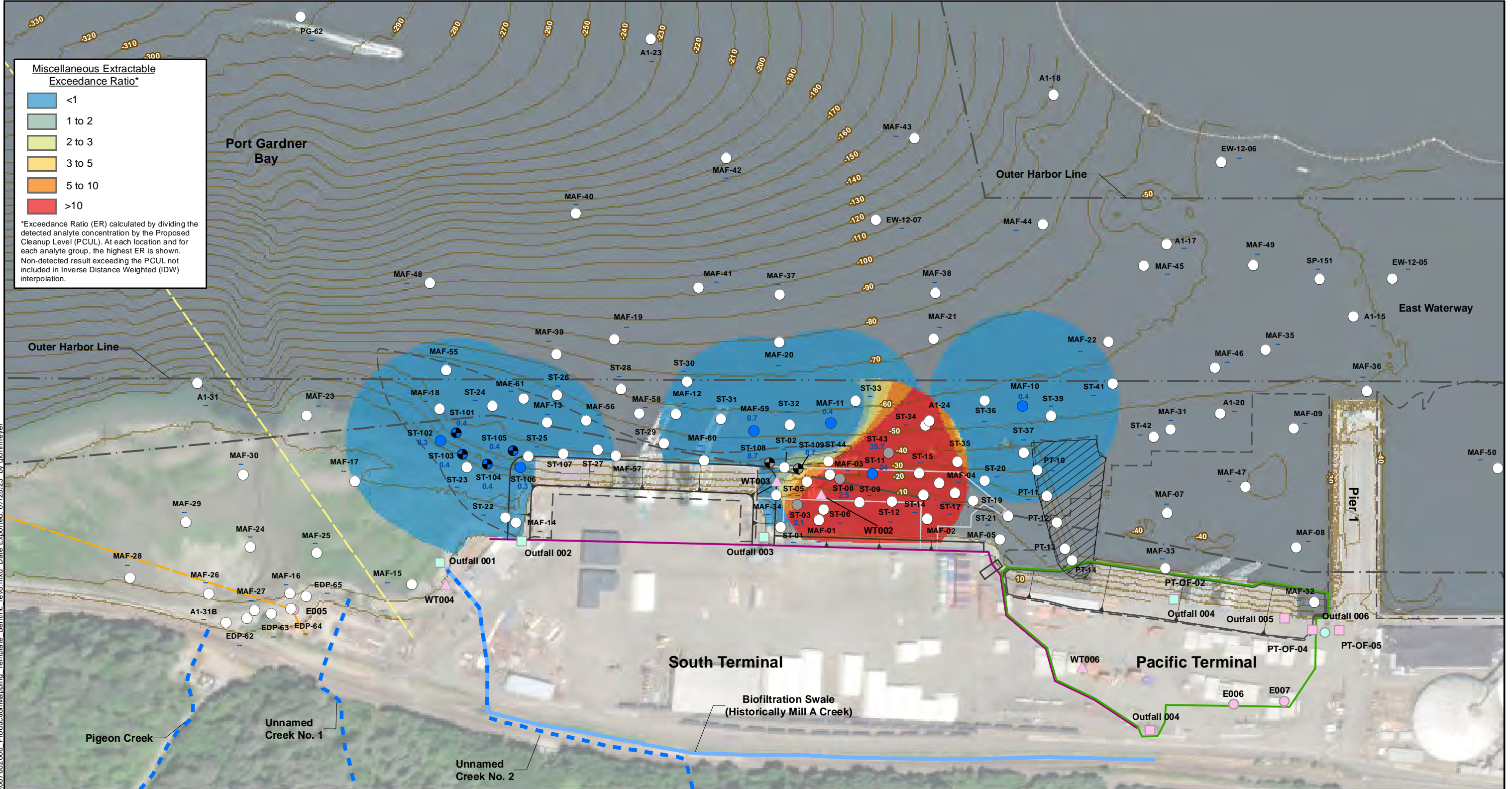
- Black circle: Sample Location Identification Result
- White rectangle: Construction Berm
- Grey rectangle: Historical Piling Area
- Black rectangle: Dredged Area
- Green rectangle: Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Orange dashed line: Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Yellow dashed line: Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Purple line: Bulkhead
- Brown line: Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Pink triangle: Historical Industrial Outfall (Abandoned)
- Pink circle: Former Combined Sewer Outfall (CSO, Abandoned)
- Pink square: Former Stormwater Outfall (Abandoned)
- Green circle: Current CSO
- Green square: Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-179

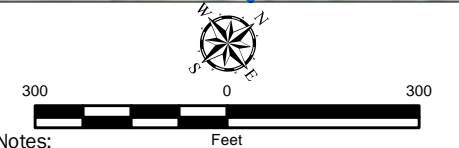


Miscellaneous Extractable Exceedance Ratio*

| | |
|--------------|---------|
| Blue | <1 |
| Light Green | 1 to 2 |
| Yellow-Green | 2 to 3 |
| Yellow | 3 to 5 |
| Orange | 5 to 10 |
| Red | >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Blue circle: Discreet Sample Result
- White circle: No Sample/Result
- Grey circle: Non-Detect Result Exceeds PCUL
- Black circle with dot: Composite Sample Result
- Blue hatched area: Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

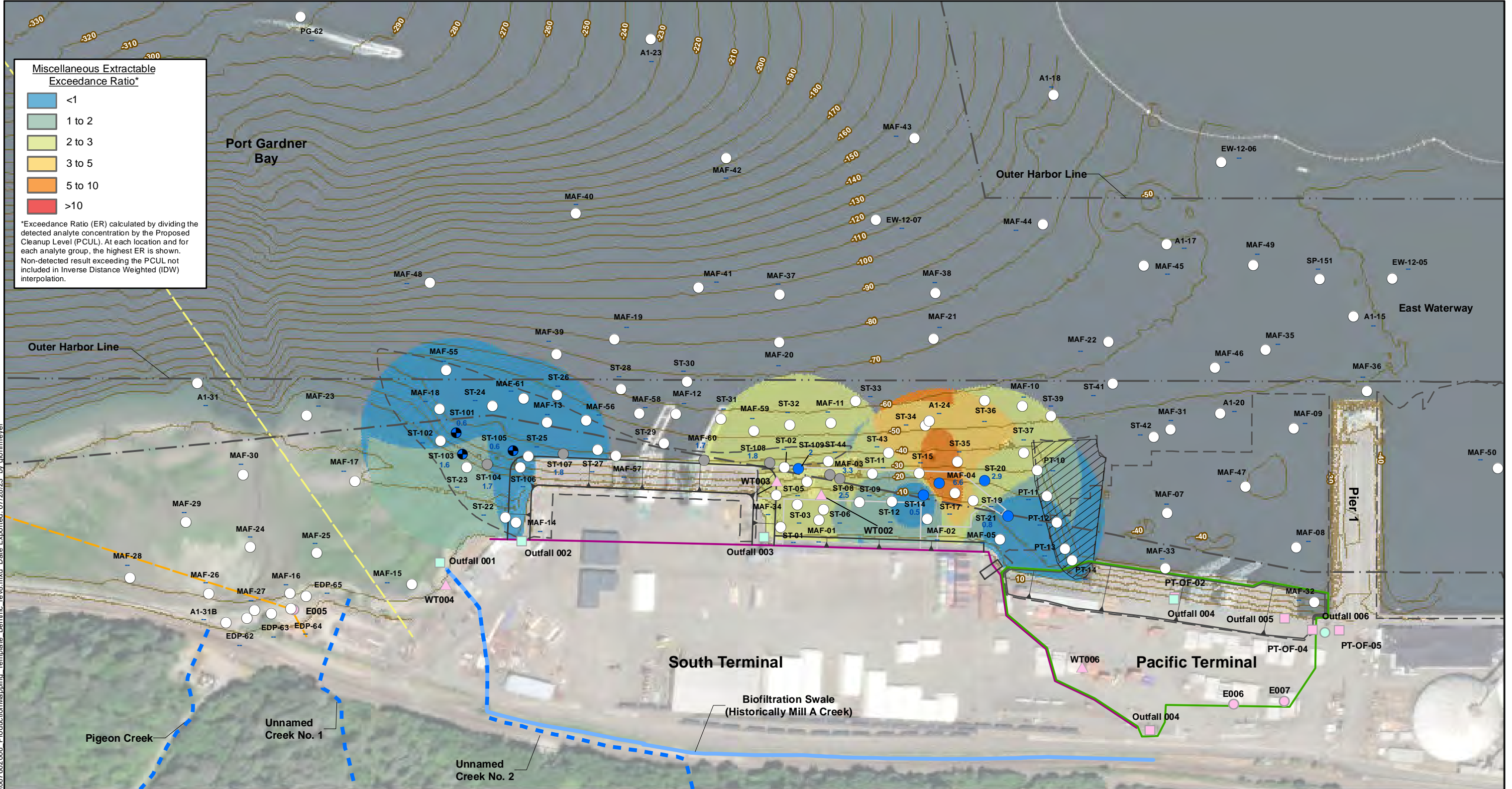
- Black circle: Sample Location Identification Result
- White rectangle: Construction Berm
- Grey rectangle: Historical Piling Area
- Black rectangle: Dredged Area
- Green rectangle: Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Orange dashed line: Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Yellow dashed line: Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Red line: Bulkhead
- Brown line: Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Pink triangle: Historical Industrial Outfall (Abandoned)
- Pink circle: Former Combined Sewer Outfall (CSO, Abandoned)
- Pink square: Former Stormwater Outfall (Abandoned)
- Green circle: Current CSO
- Green square: Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-180

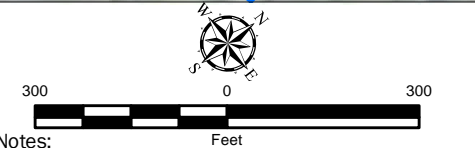


Miscellaneous Extractable Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

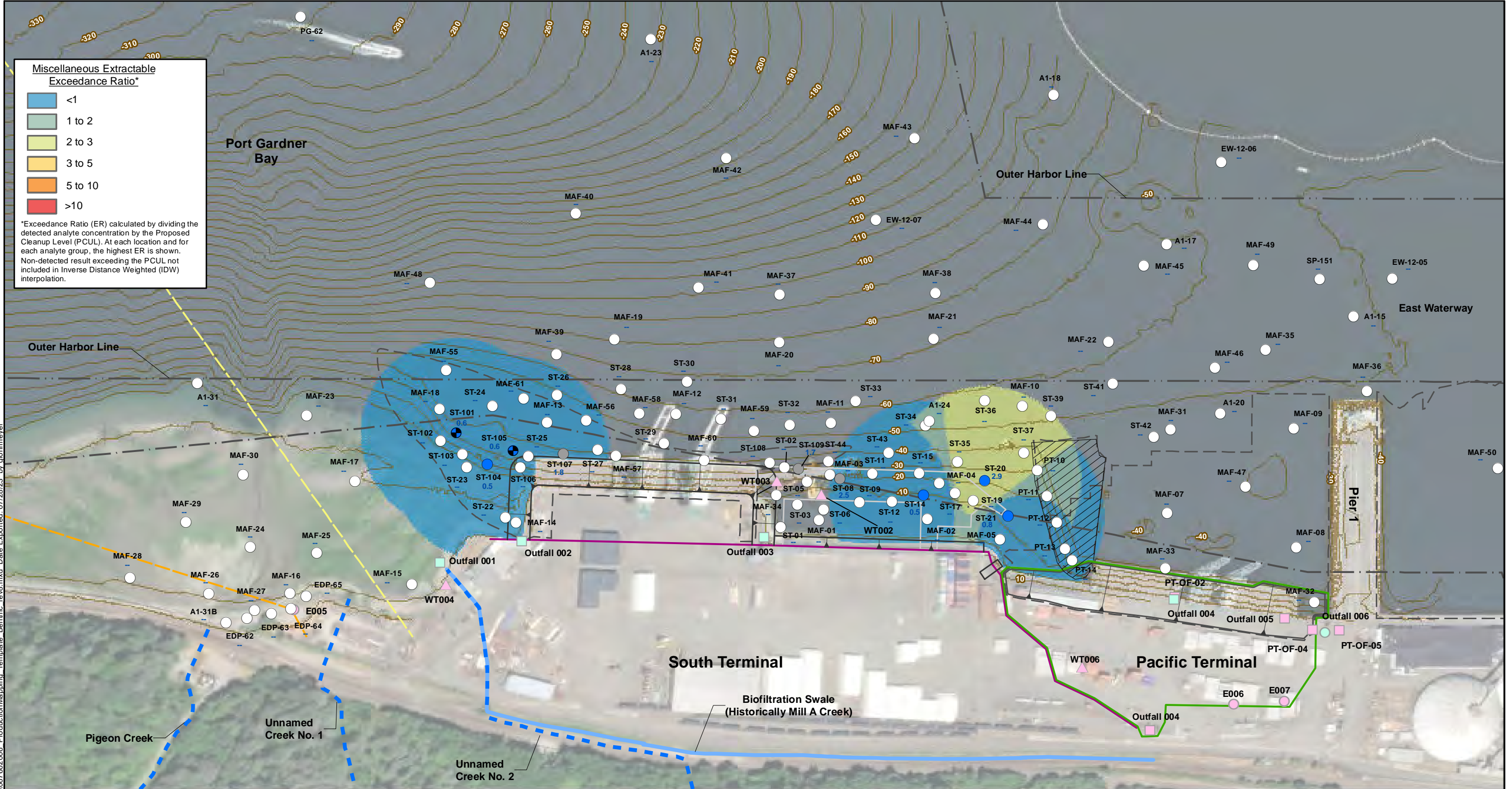
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-181



Miscellaneous Extractable Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

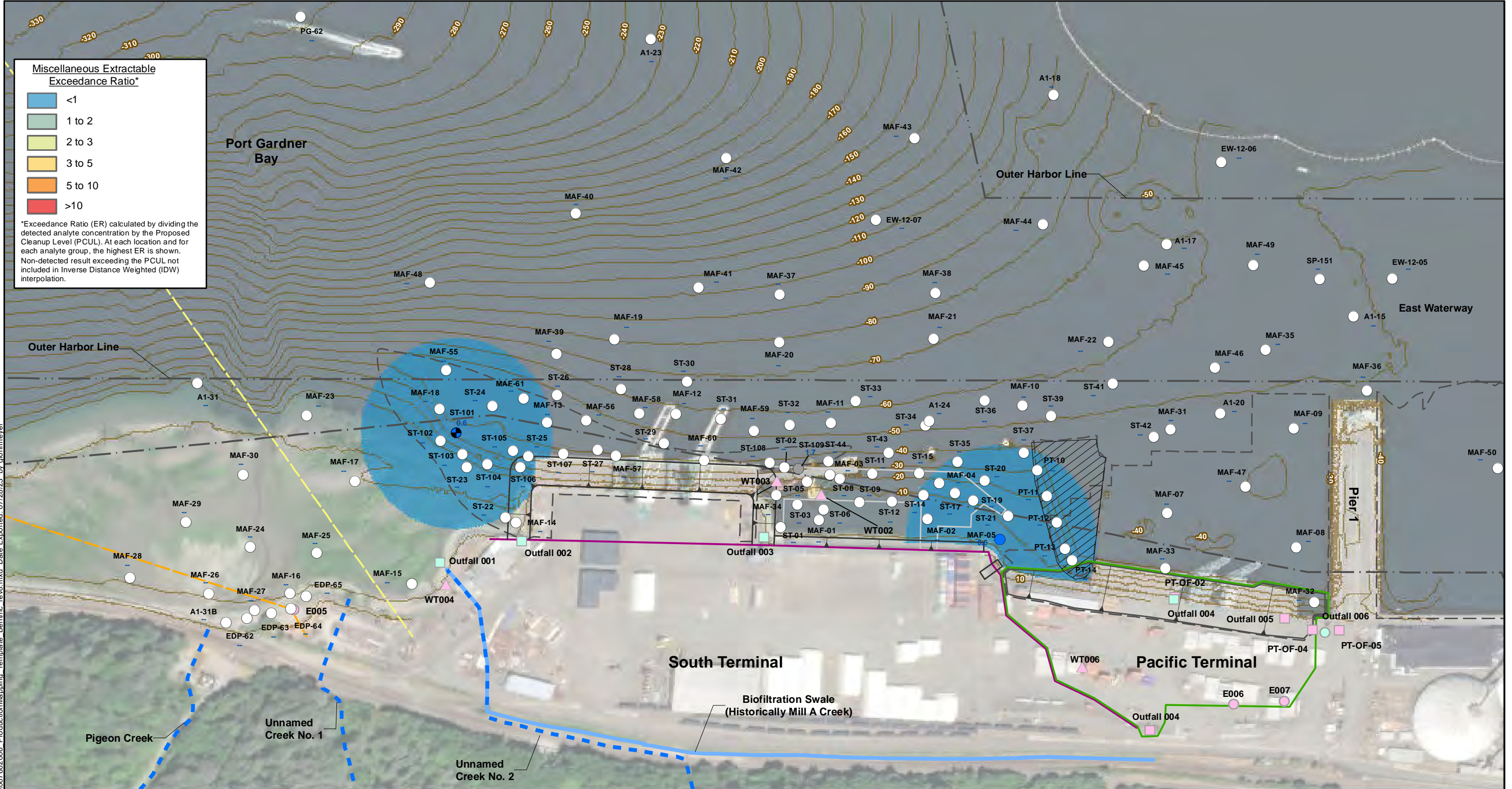
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-182

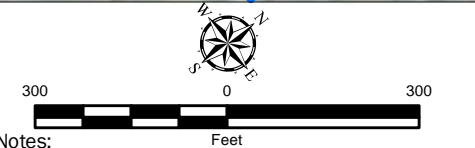


Miscellaneous Extractable Exceedance Ratio*

| |
|-----------------|
| <math><1</math> |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

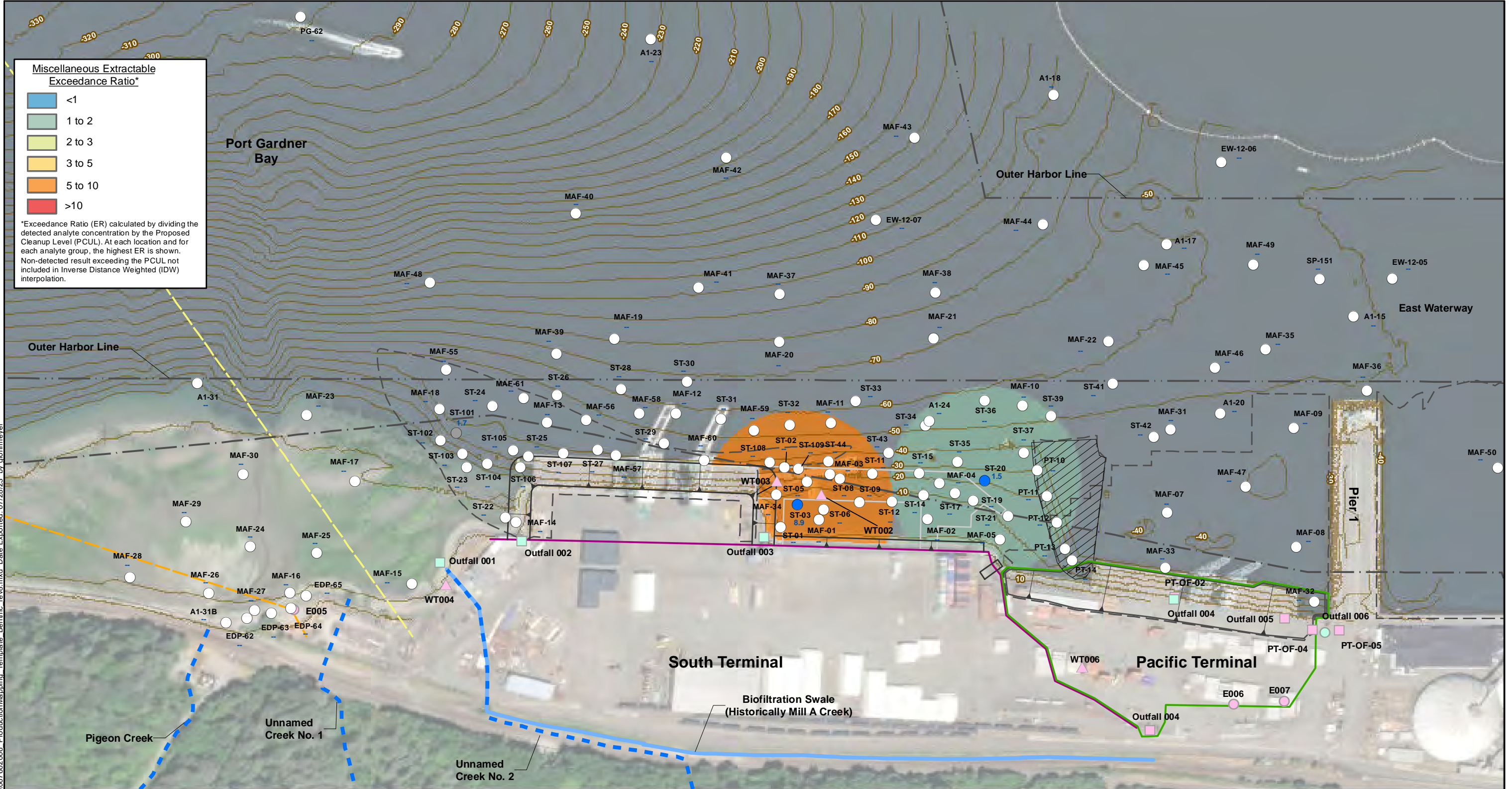
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-183

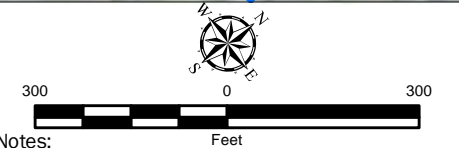


Miscellaneous Extractable Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

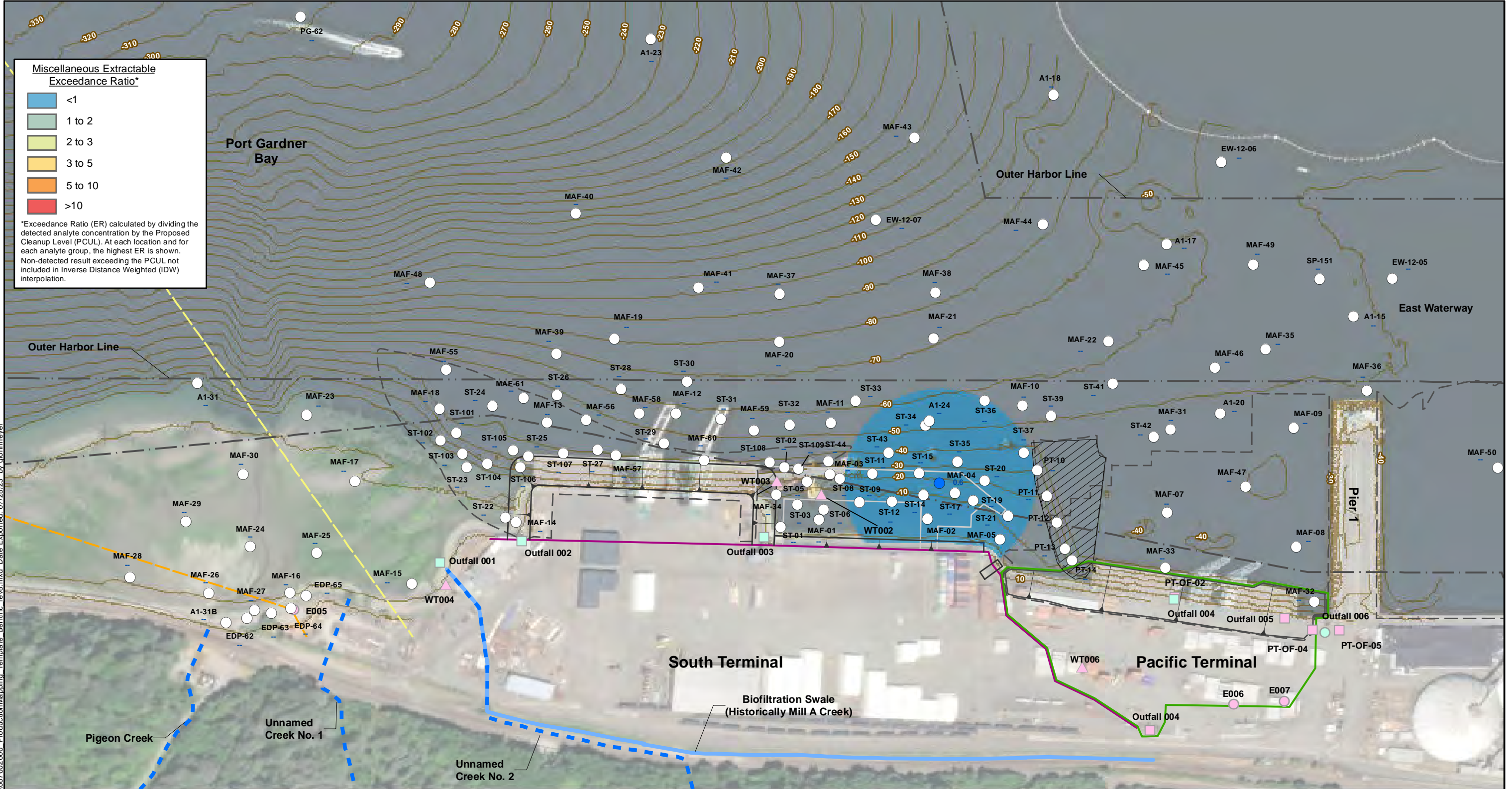
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-184

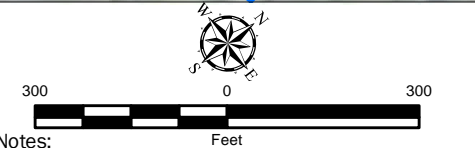


Miscellaneous Extractable Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

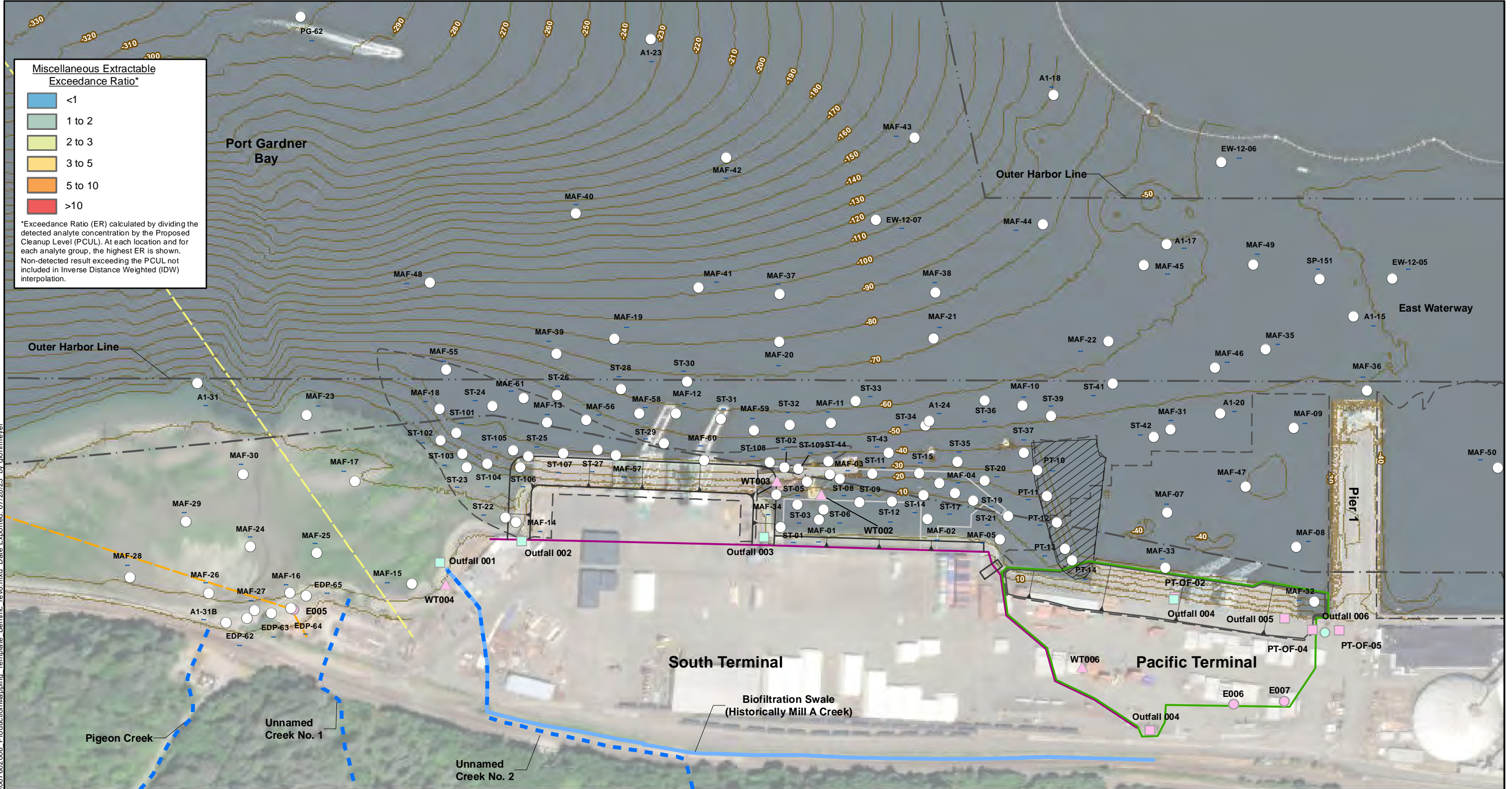
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-185



Miscellaneous Extractable Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

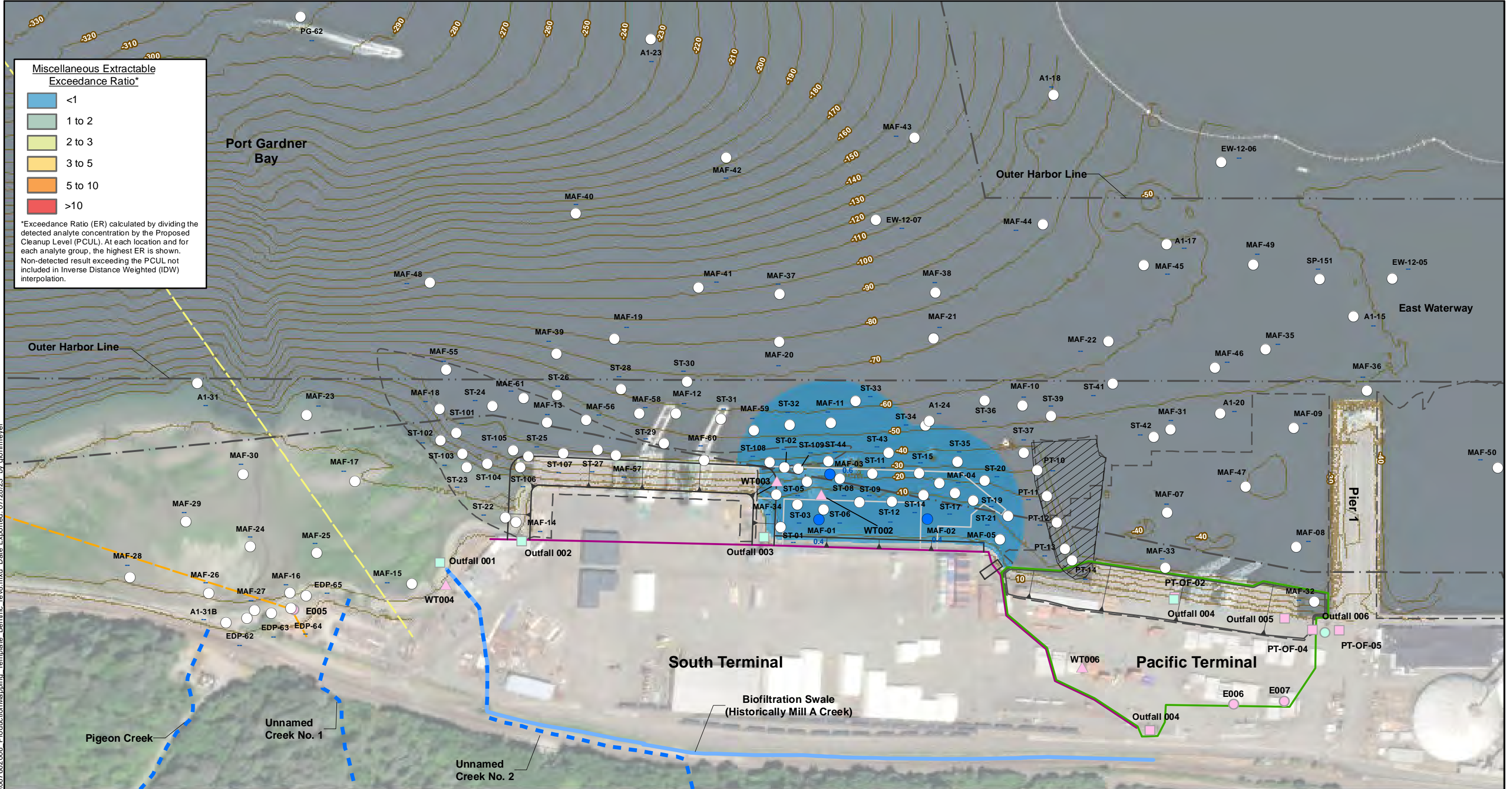
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-186

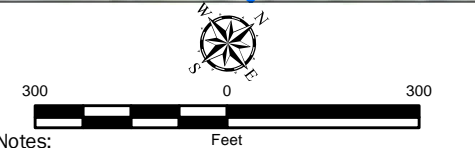


Miscellaneous Extractable Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

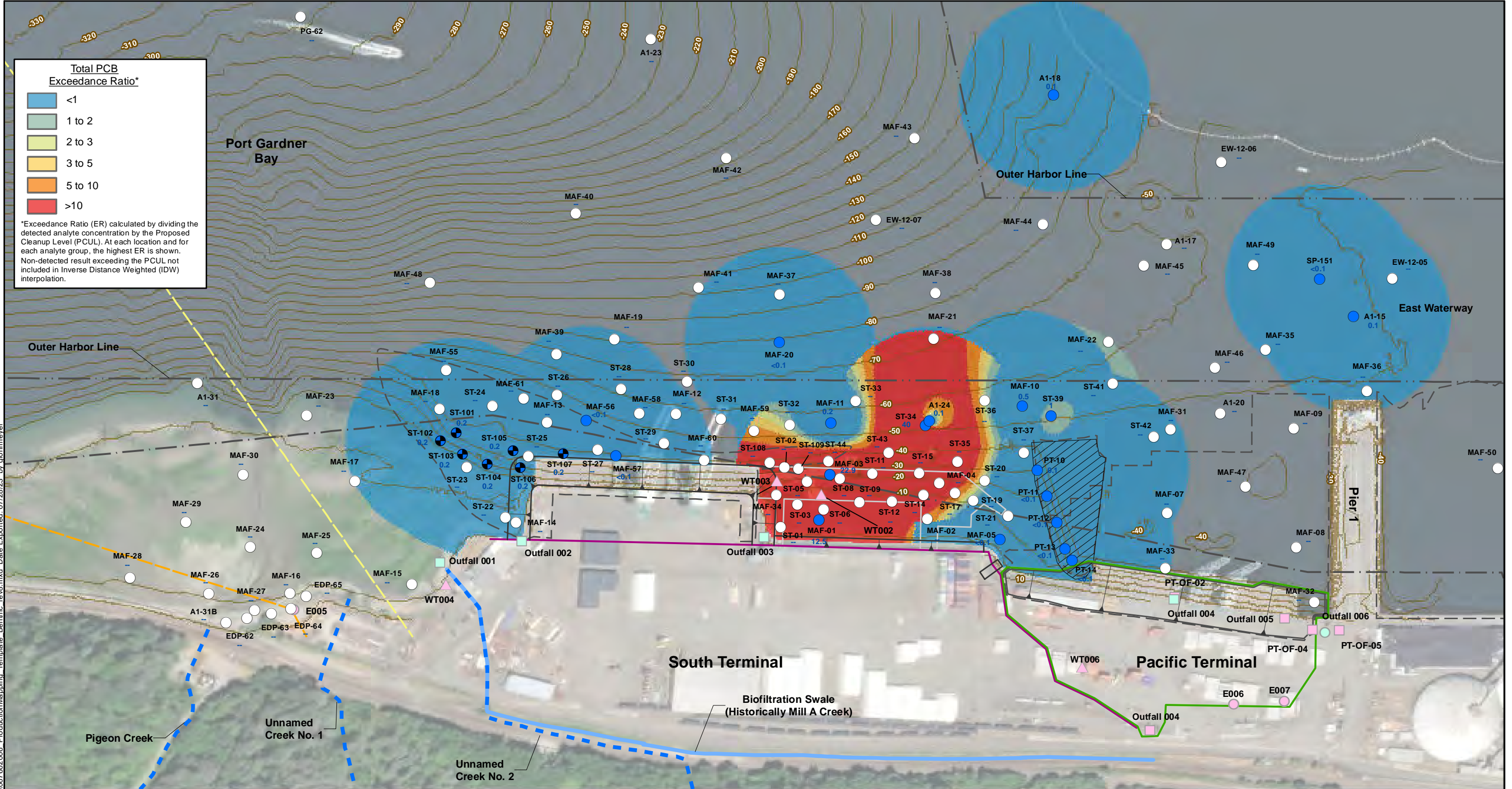
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Miscellaneous Extractable Results (Benthic) Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-187

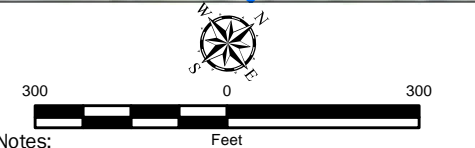


Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

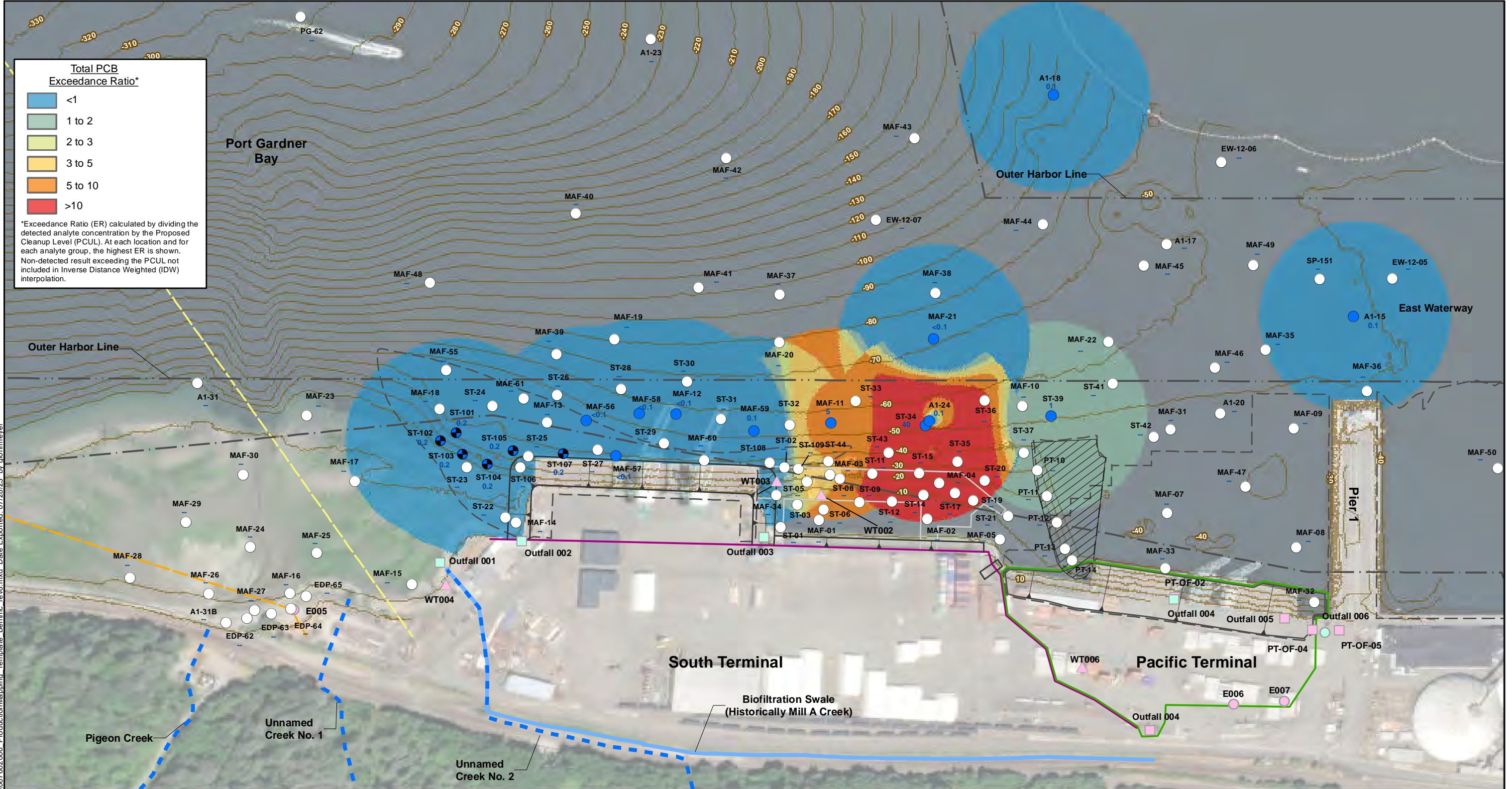
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total PCB Results (Benthic)
Subsurface Sediment (0-2 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-188

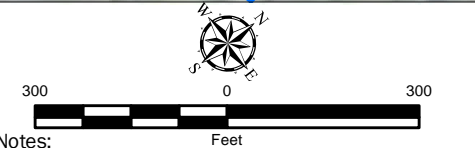


Total PCB Exceedance Ratio*

| | |
|--------------|---------|
| Blue | <1 |
| Light Green | 1 to 2 |
| Yellow-Green | 2 to 3 |
| Yellow | 3 to 5 |
| Orange | 5 to 10 |
| Red | >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Blue circle: Discreet Sample Result
- White circle: No Sample/Result
- Grey circle: Non-Detect Result Exceeds PCUL
- Black circle with dot: Composite Sample Result
- Blue hatched area: Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

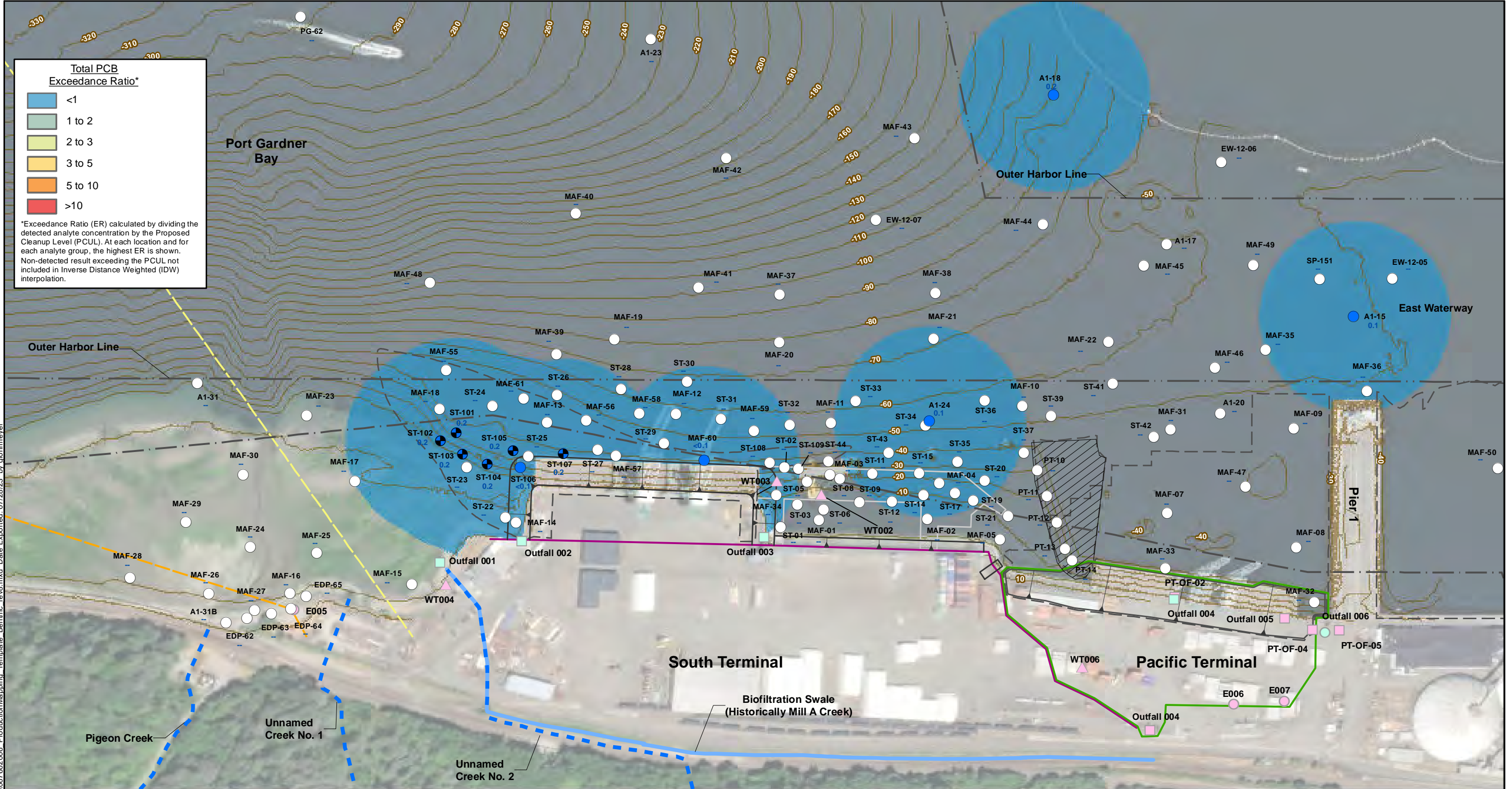
- MAF-01 1.22: Sample Location Identification Result
- Black rectangle: Construction Berm
- White rectangle: Historical Piling Area
- Black dashed line: Dredged Area
- Green rectangle: Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Orange dashed line: Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Yellow dashed line: Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Purple line: Bulkhead
- Brown line: Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Pink triangle: Historical Industrial Outfall (Abandoned)
- Pink circle: Former Combined Sewer Outfall (CSO, Abandoned)
- Pink square: Former Stormwater Outfall (Abandoned)
- Green circle: Current CSO
- Green square: Current Stormwater Outfall

**Total PCB Results (Benthic)
Subsurface Sediment (2-4 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS **Figure Q-189**



Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

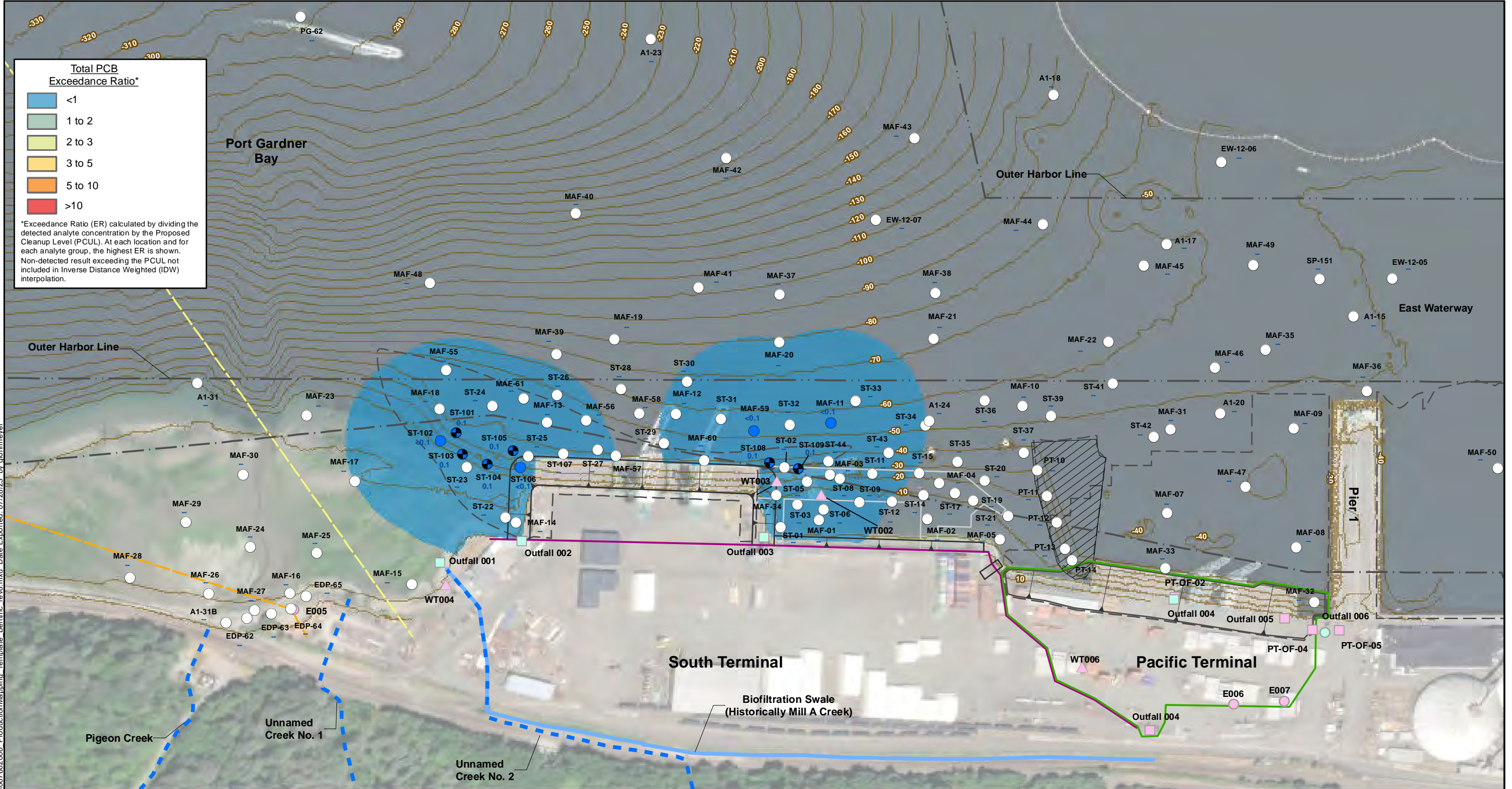
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|---|---------------------|
| Total PCB Results (Benthic) Subsurface Sediment (4-6 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-190 |

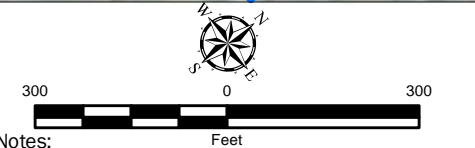


Total PCB Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

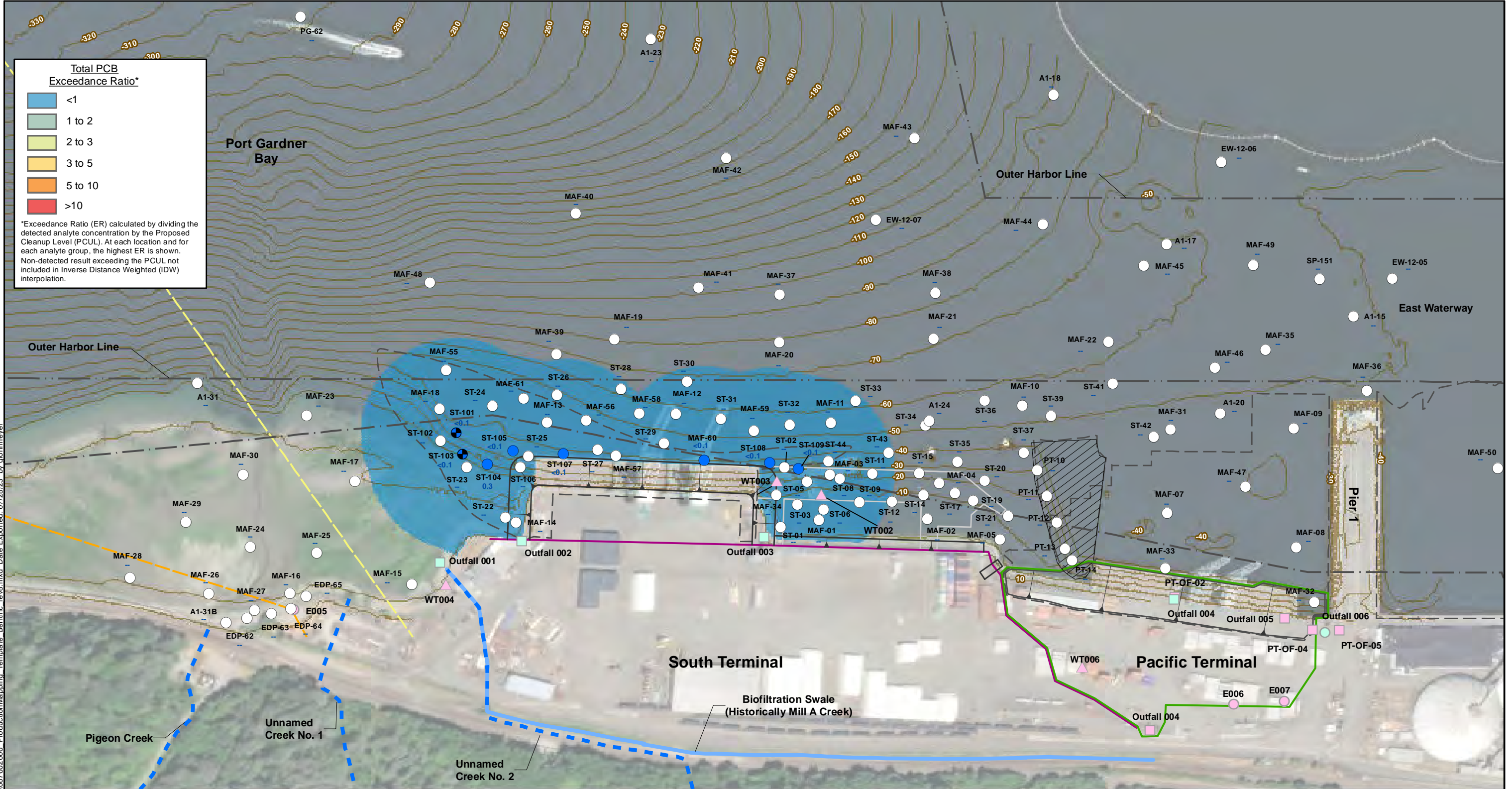
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|---|---------------------|
| Total PCB Results (Benthic) Subsurface Sediment (6-8 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-191 |

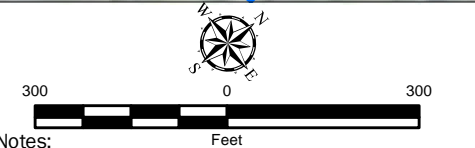


Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

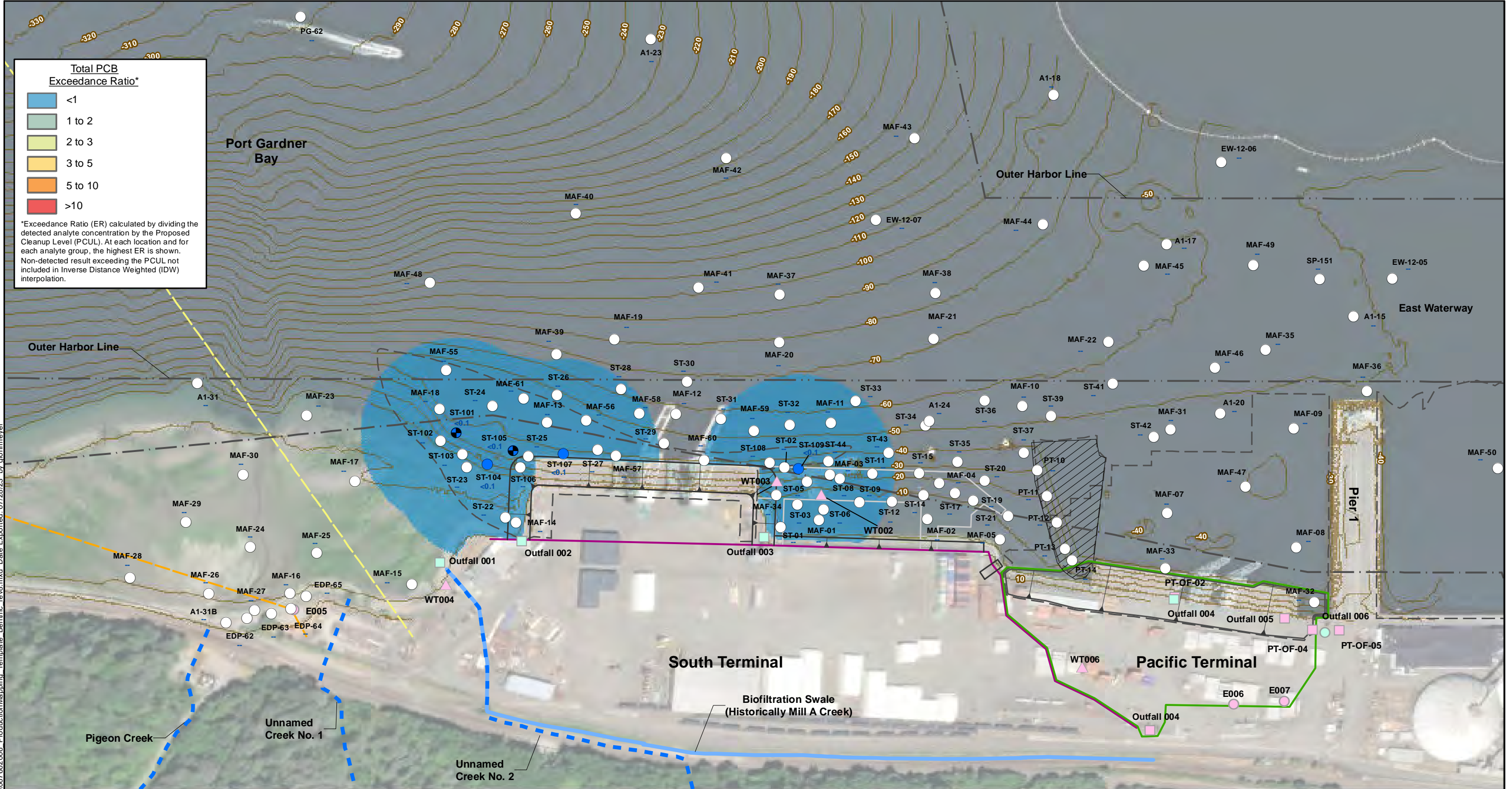
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total PCB Results (Benthic)
Subsurface Sediment (8-10 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-192



Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

- Marine Area Remedial Investigation Sampling Location**
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

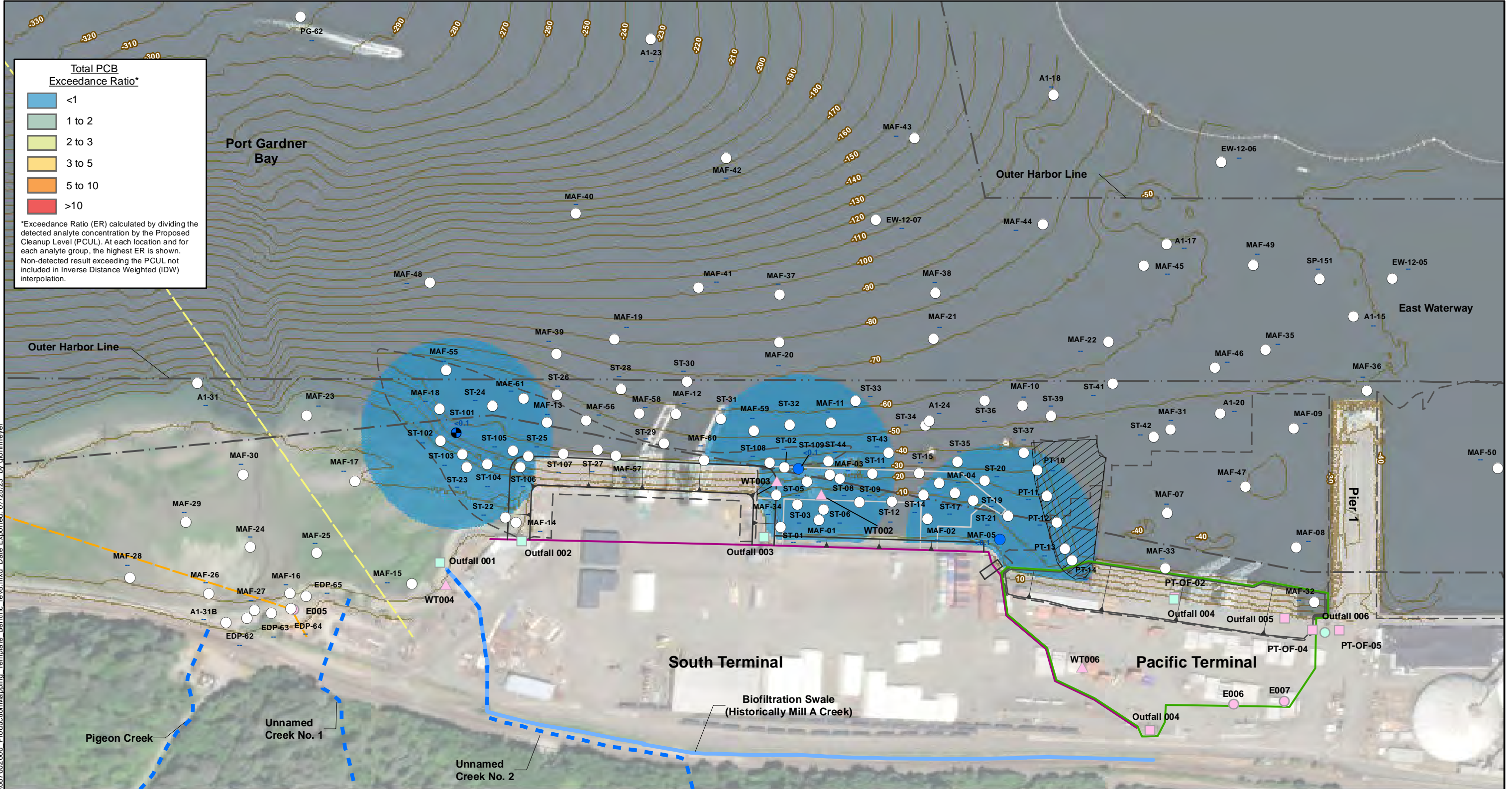
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total PCB Results (Benthic)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-193

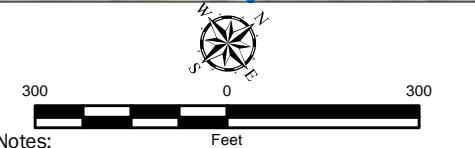


Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

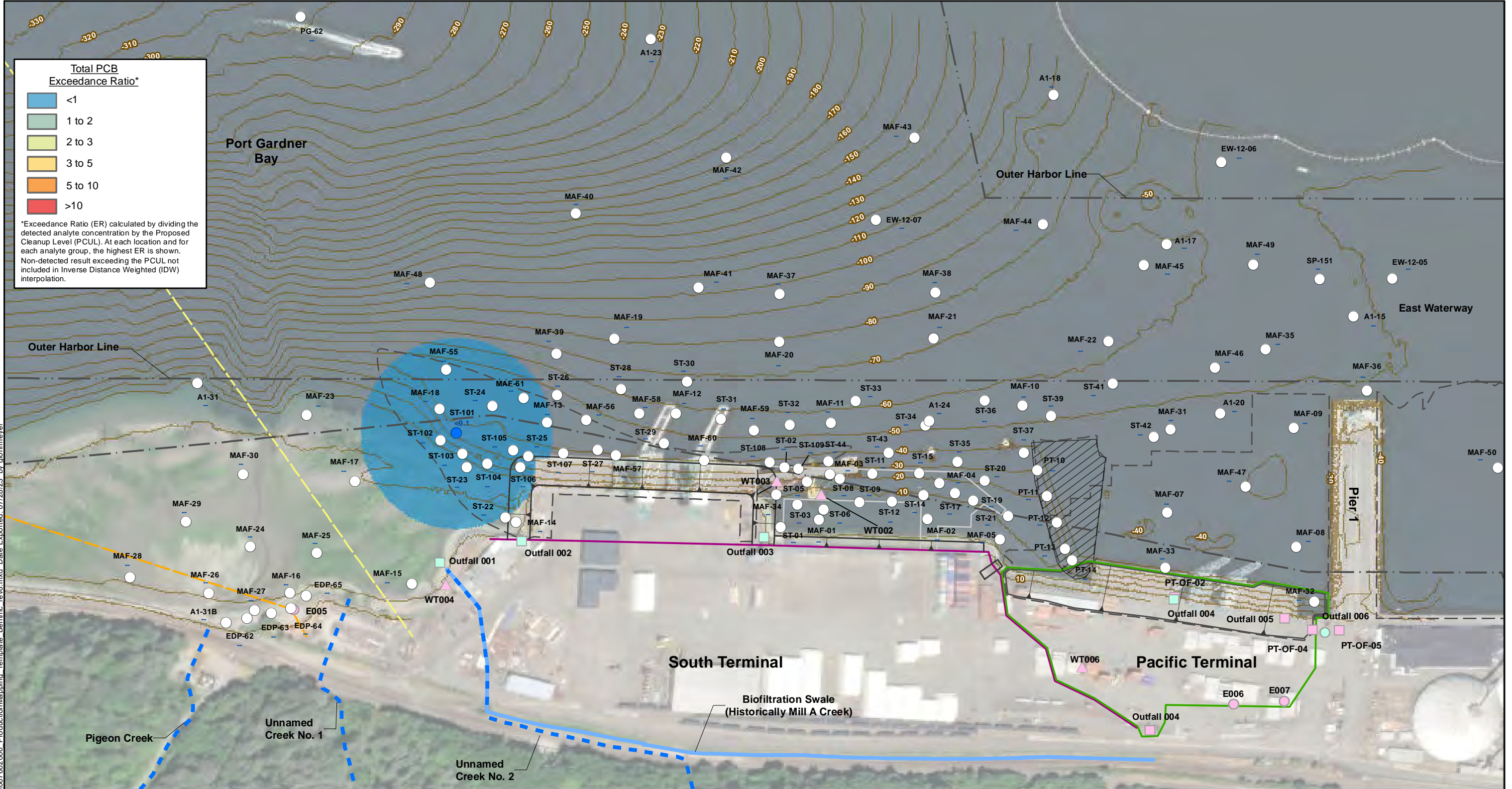
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total PCB Results (Benthic)
Subsurface Sediment (12-14 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

GEOENGINEERS

Figure Q-194



Total PCB Exceedance Ratio*

| |
|-----------------|
| <math><1</math> |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

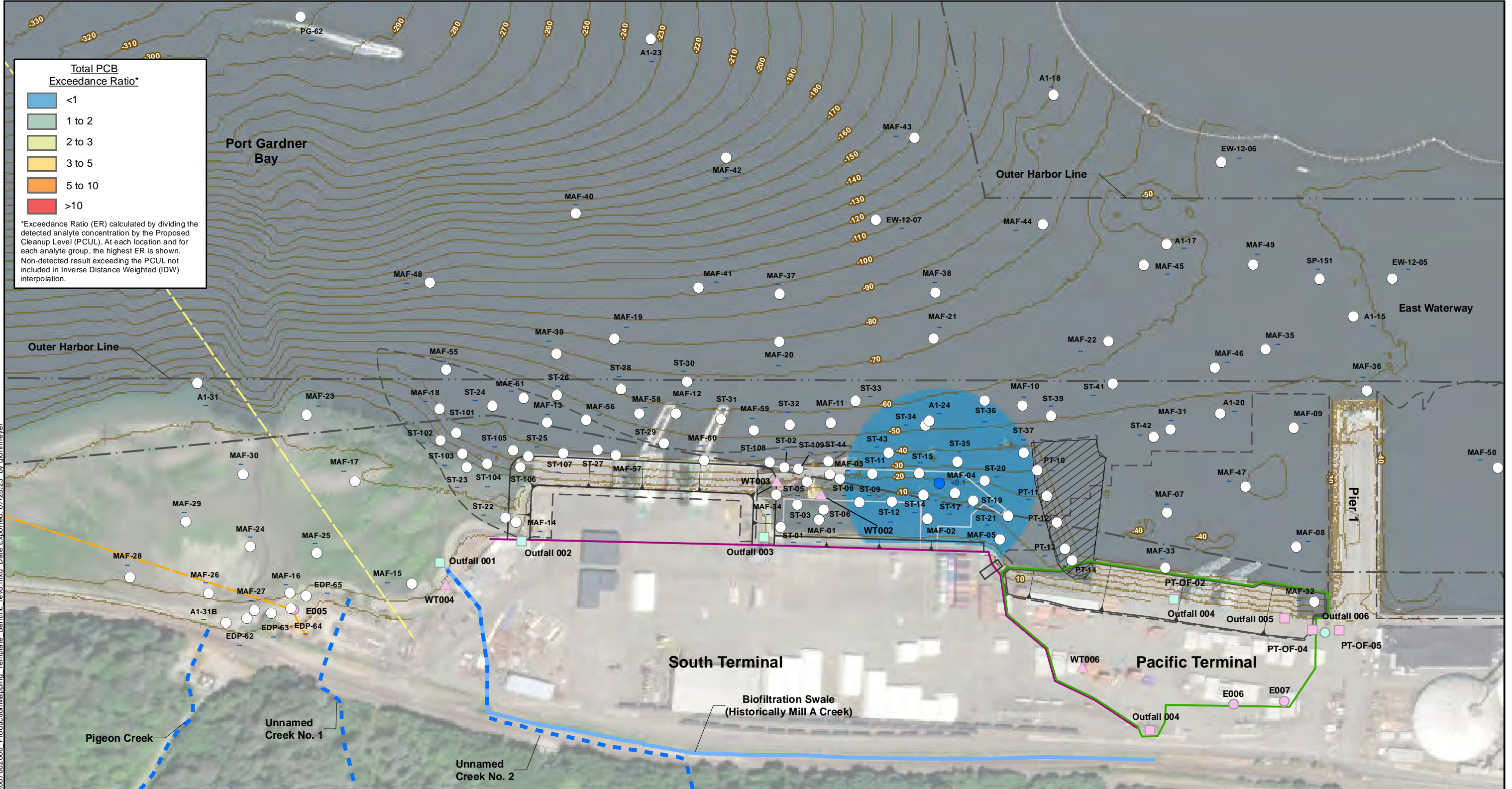
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

| | |
|---|---------------------|
| Total PCB Results (Benthic) Subsurface Sediment (14-16 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-195 |

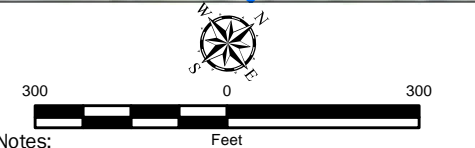


Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

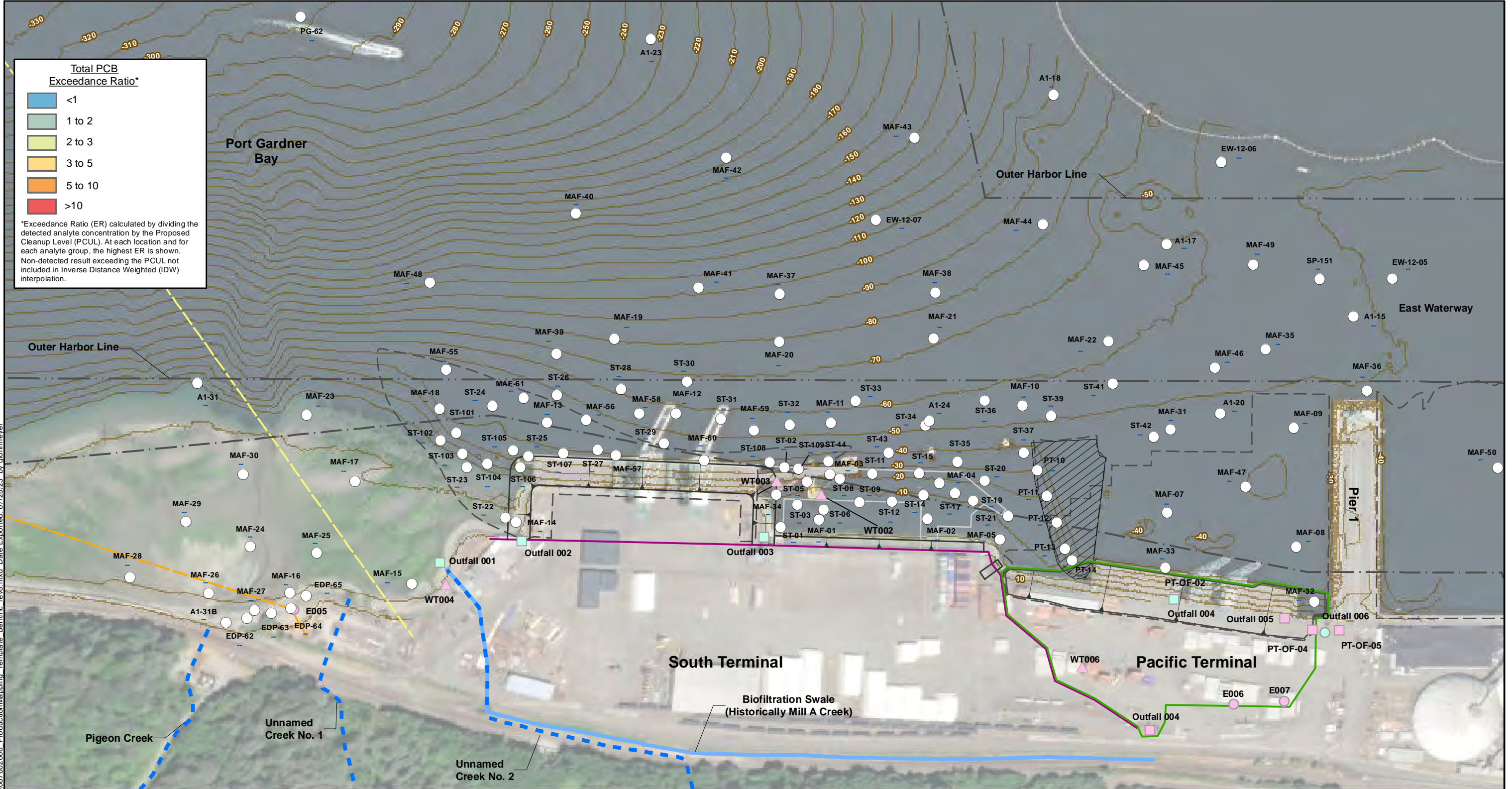
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Total PCB Results (Benthic)
Subsurface Sediment (16-18 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-196

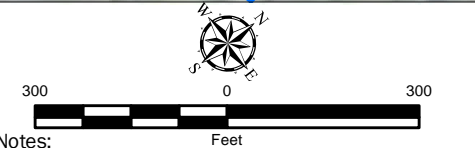


Total PCB Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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- Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.

Data Source: Base aerial from ESRI, 2018
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

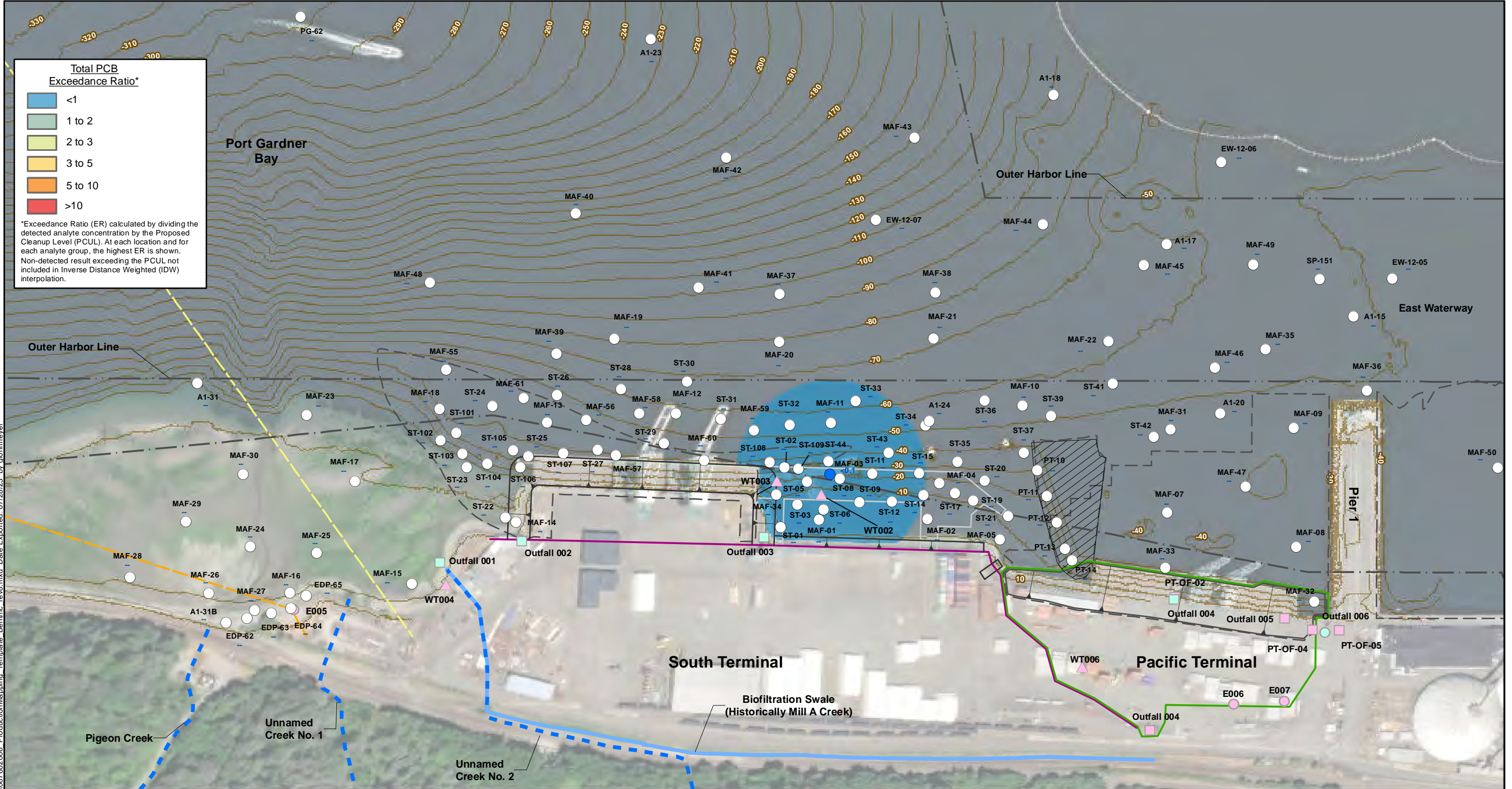
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

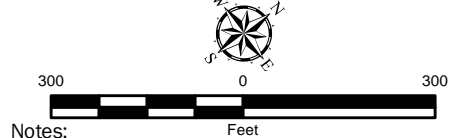
Total PCB Results (Benthic) Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-197



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 3. Interpolation Method = Inverse Distance Weighted (IDW), Power = 6, Neighbors = 12, Radius = 300 feet.
 Data Source: Base aerial from ESRI, 2018
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

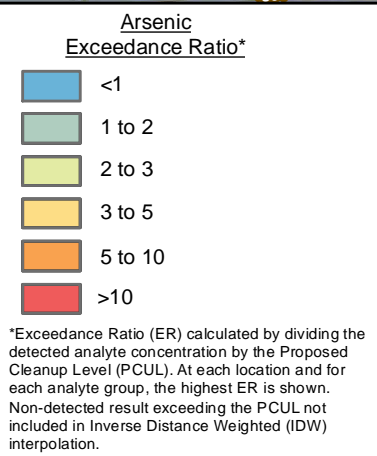
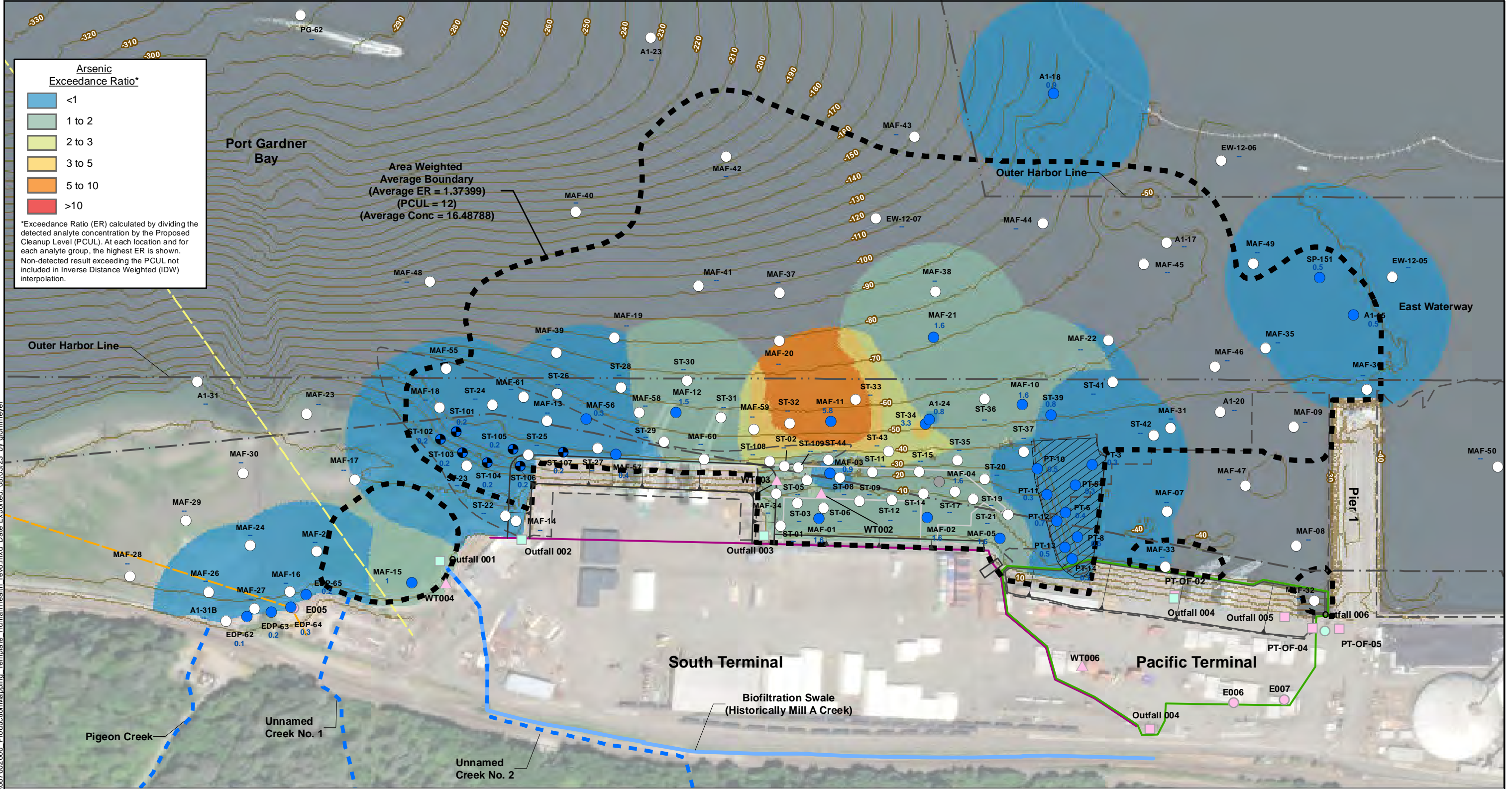
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total PCB Results (Benthic)
Subsurface Sediment (20-22 ft)**

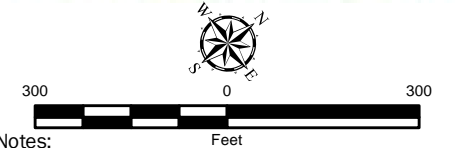
Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-198



Area Weighted Average Boundary
(Average ER = 1.37399)
(PCUL = 12)
(Average Conc = 16.48788)

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 3. Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.
 Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

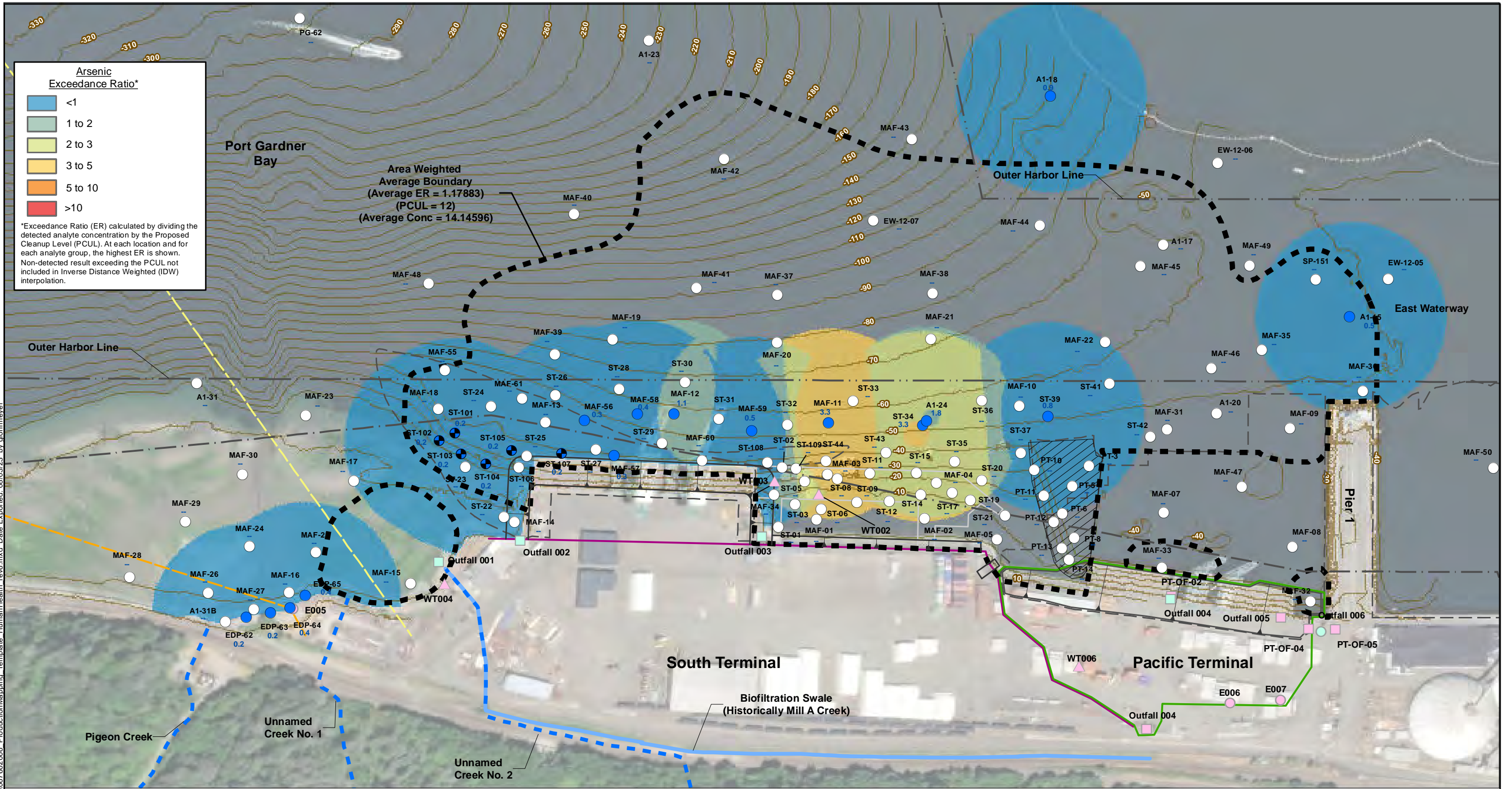
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (0-2 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-199



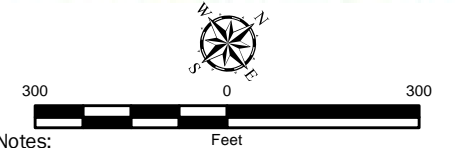
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 1.17883)
 (PCUL = 12)
 (Average Conc = 14.14596)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

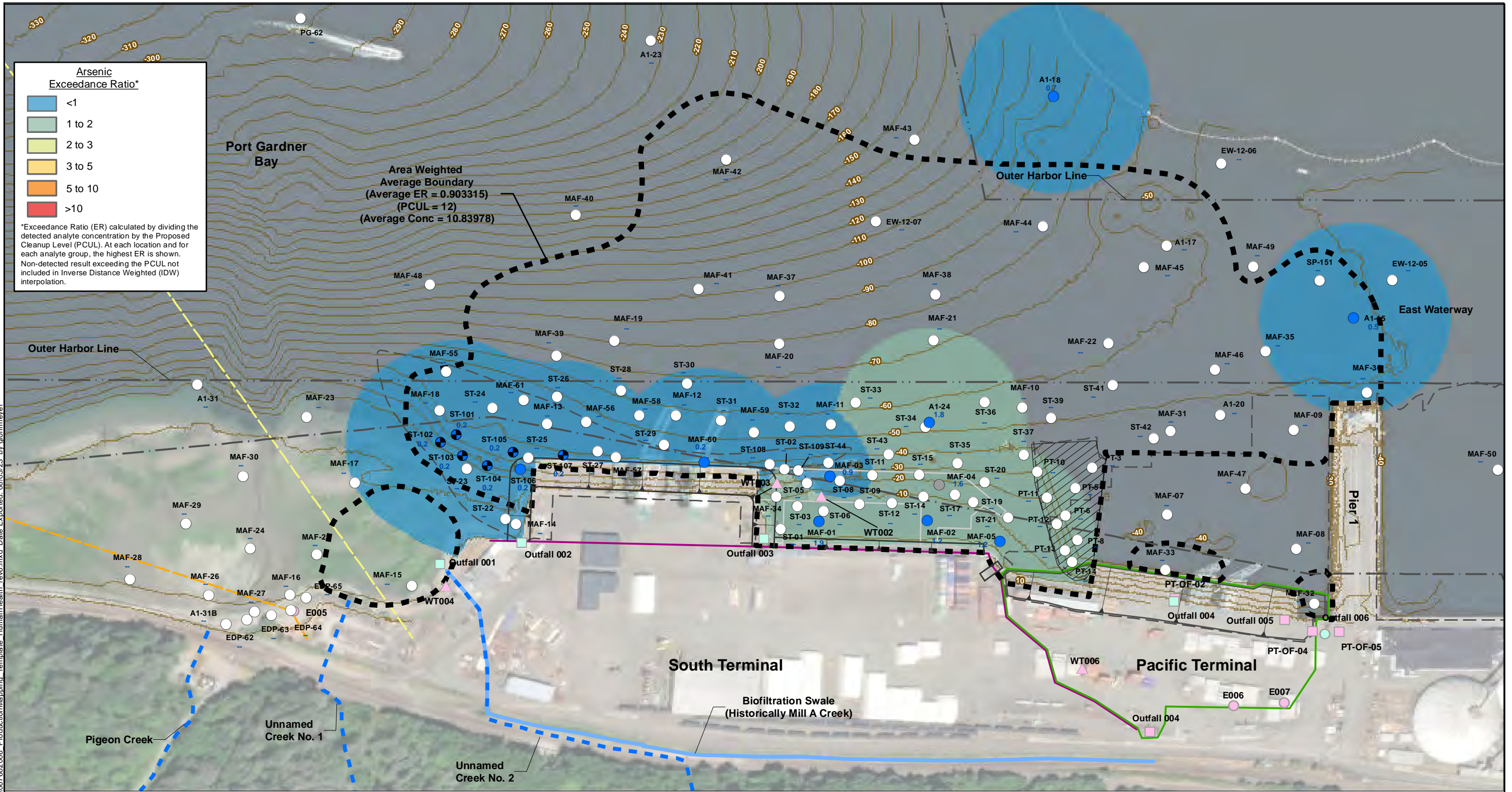
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Arsenic Results (Human Health)
Subsurface Sediment (2-4 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

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Figure Q-200



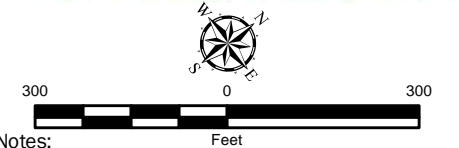
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.903315)
(PCUL = 12)
(Average Conc = 10.83978)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

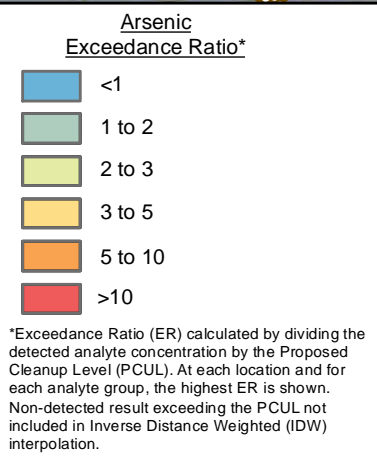
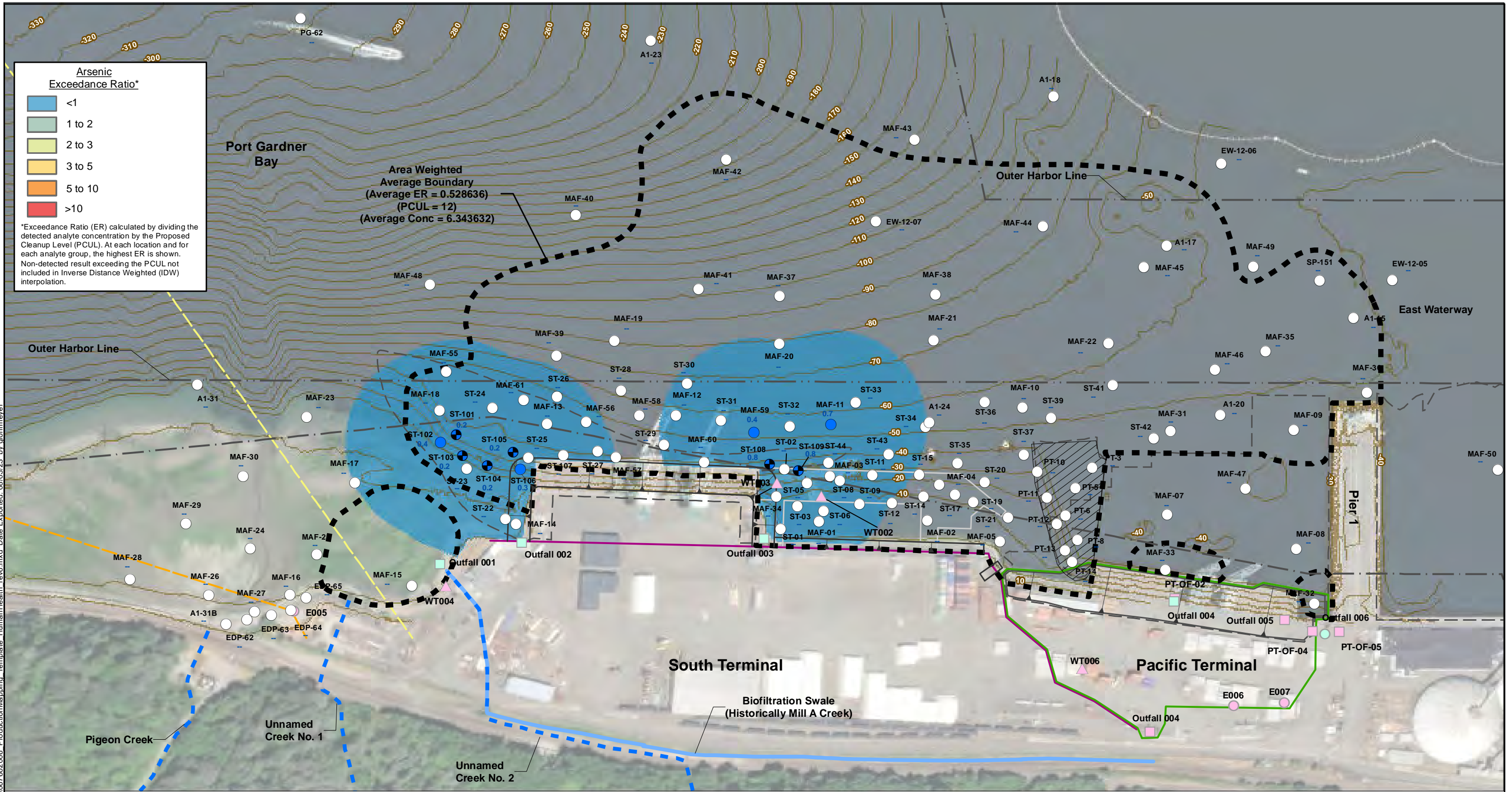
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (4-6 ft)**

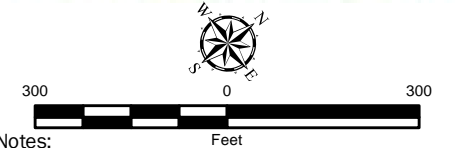
**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-201



Area Weighted Average Boundary
 (Average ER = 0.528636)
 (PCUL = 12)
 (Average Conc = 6.343632)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

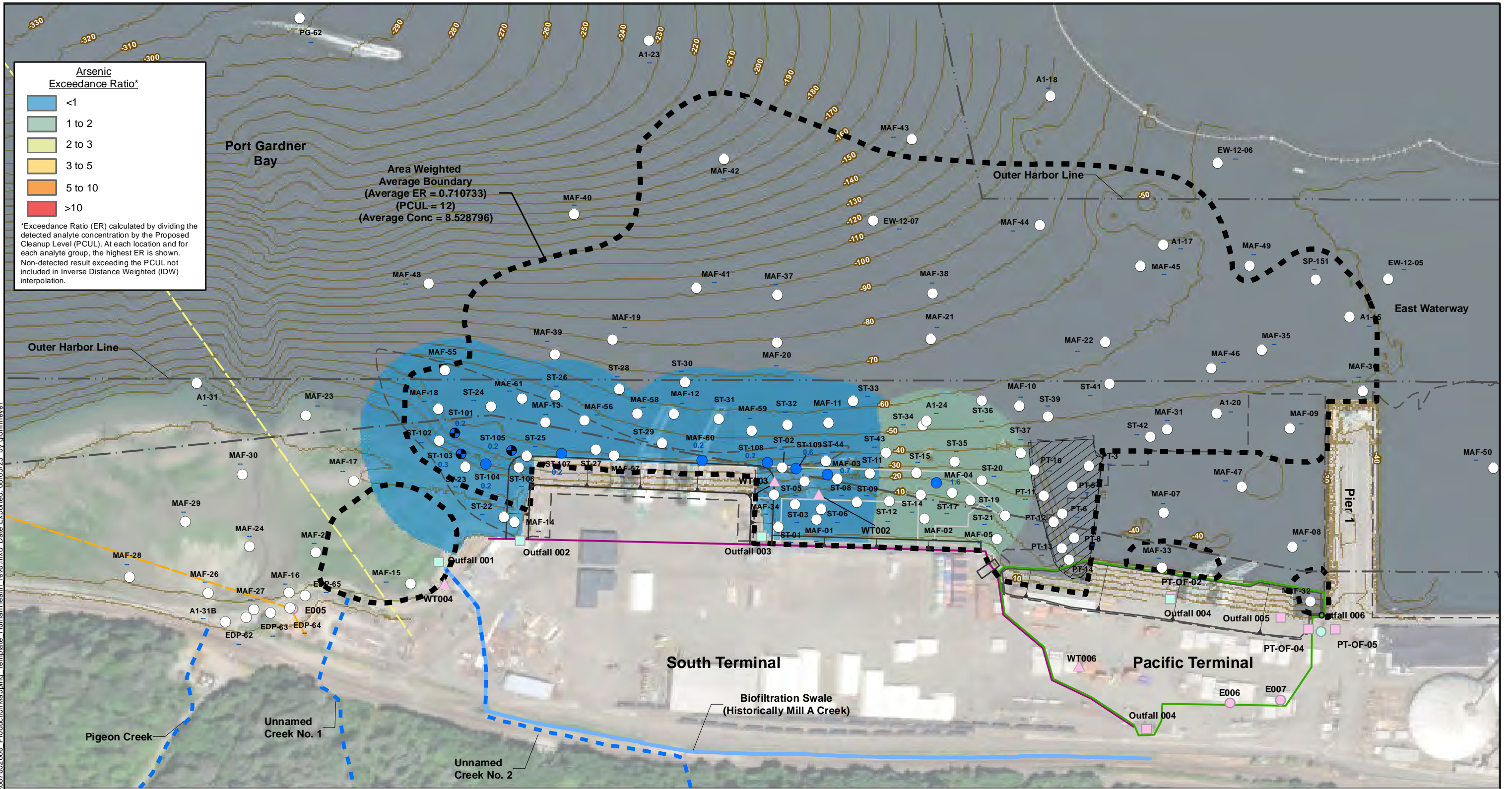
- MAF-01 Sample Location Identification Result
- 1.22
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Arsenic Results (Human Health)
Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS **Figure Q-202**



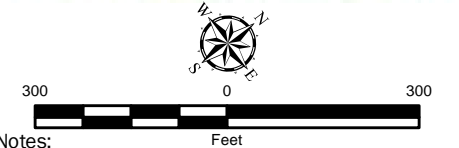
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.710733)
(PCUL = 12)
(Average Conc = 8.528796)

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Notes:

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

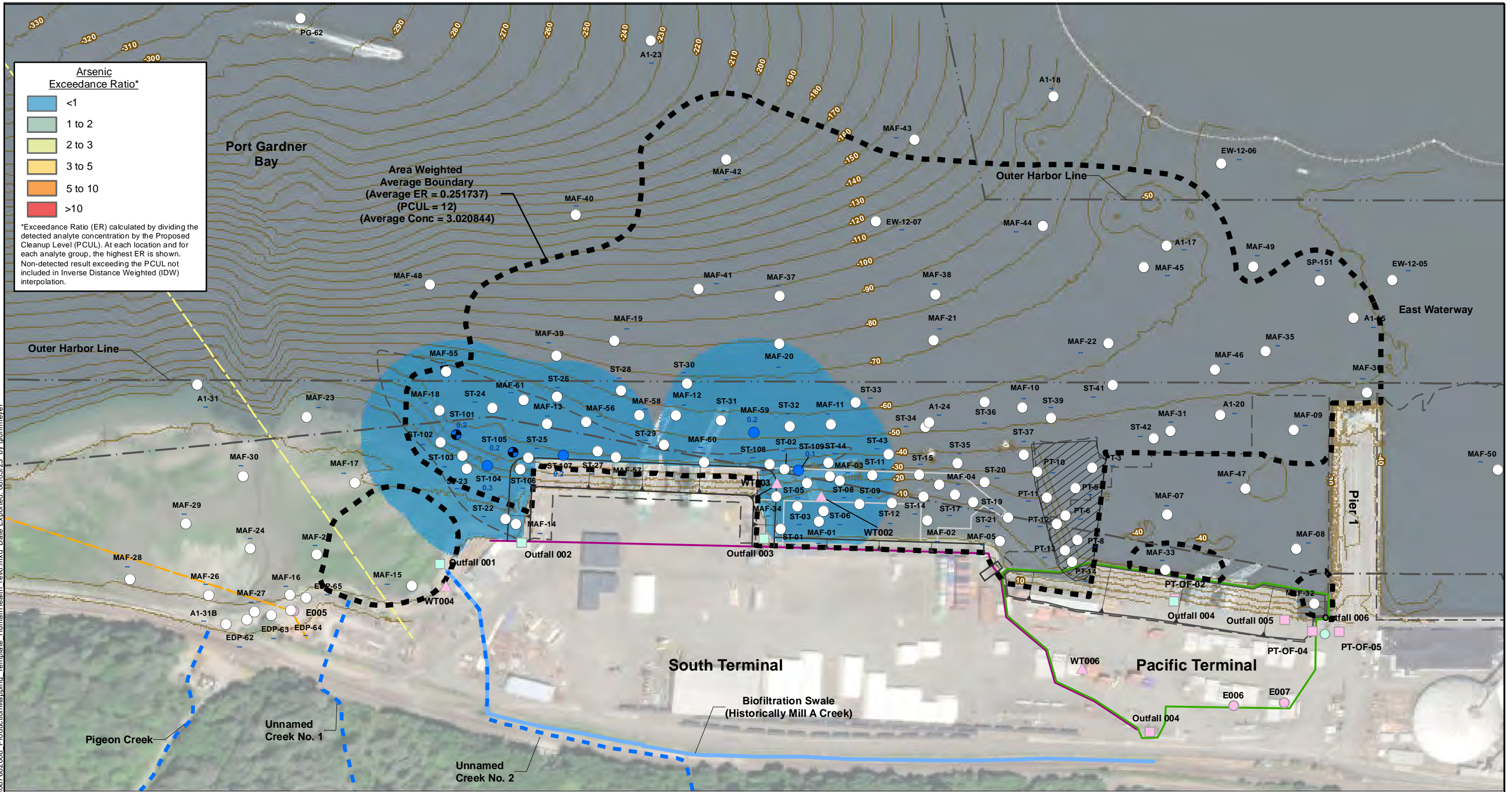
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (8-10 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

GEOENGINEERS

Figure Q-203



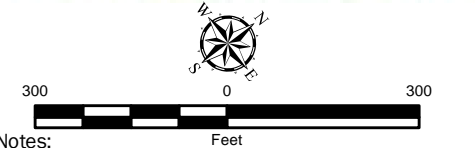
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.251737)
 (PCUL = 12)
 (Average Conc = 3.020844)

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Notes:

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

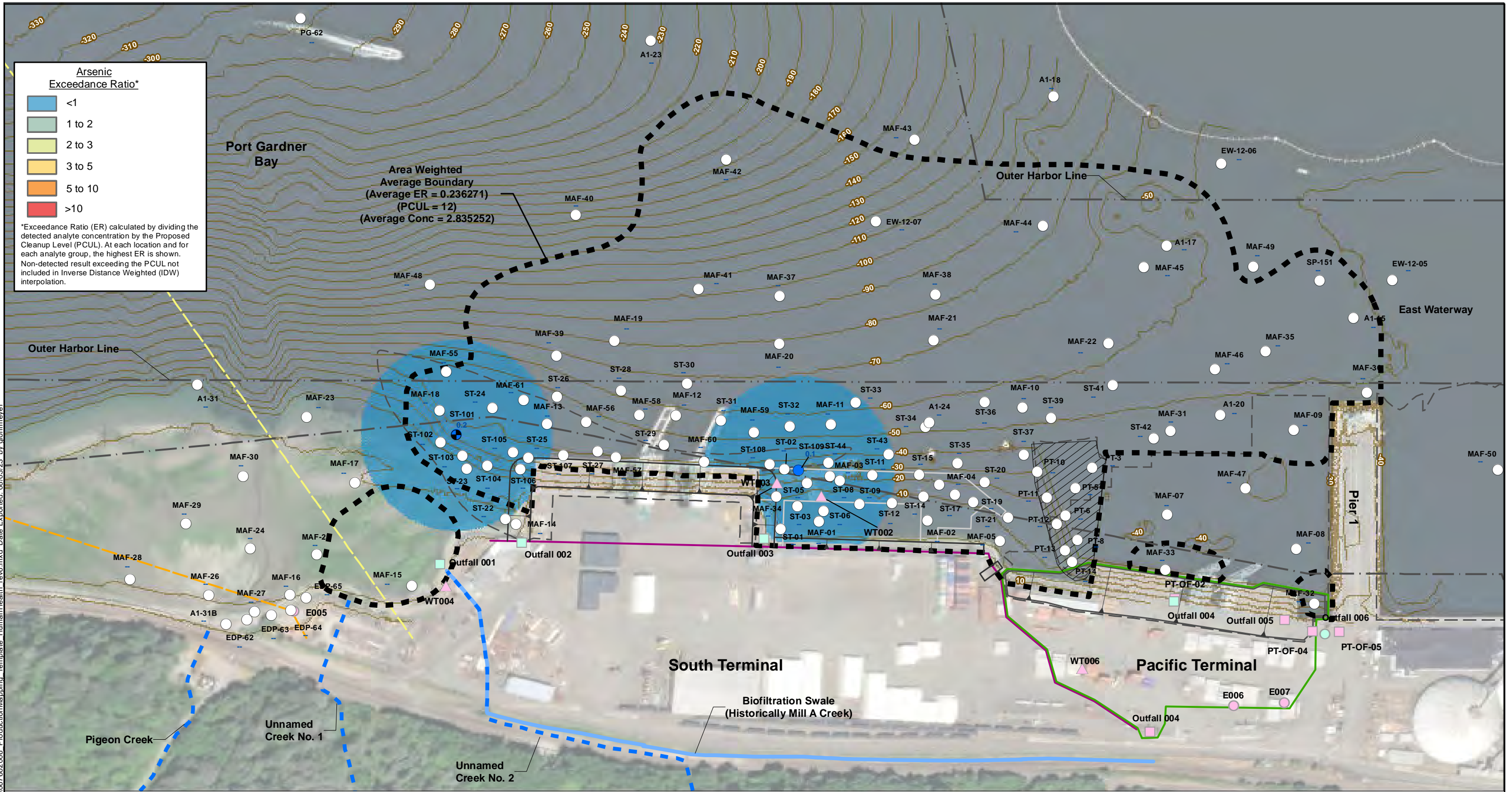
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (10-12 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

GEOENGINEERS

Figure Q-204



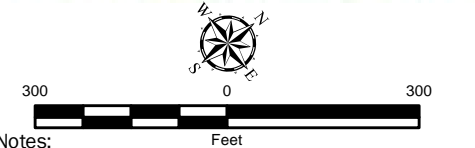
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.236271)
(PCUL = 12)
(Average Conc = 2.835252)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

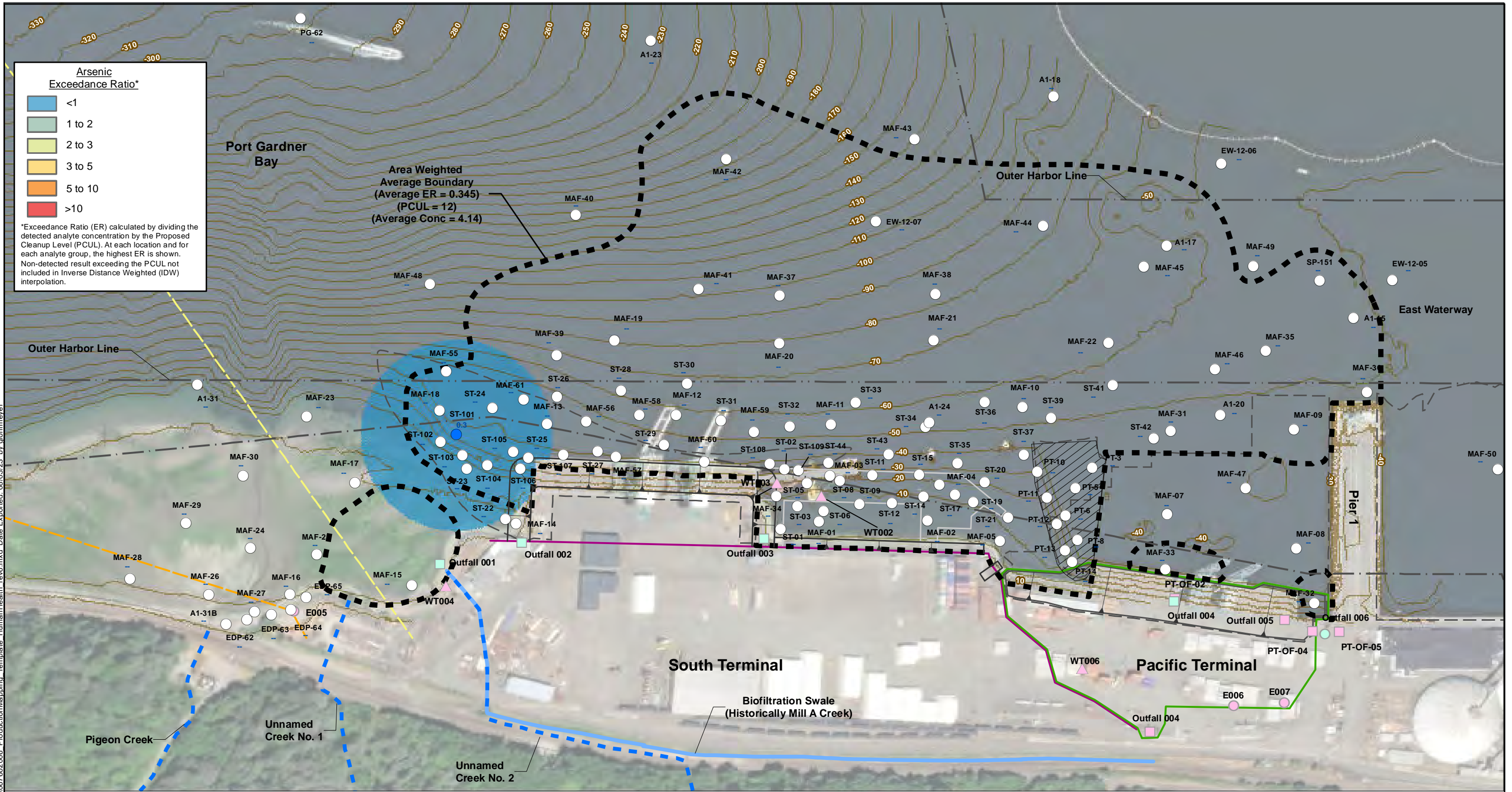
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (12-14 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-205



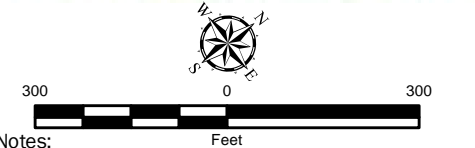
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = 0.345) (PCUL = 12) (Average Conc = 4.14)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

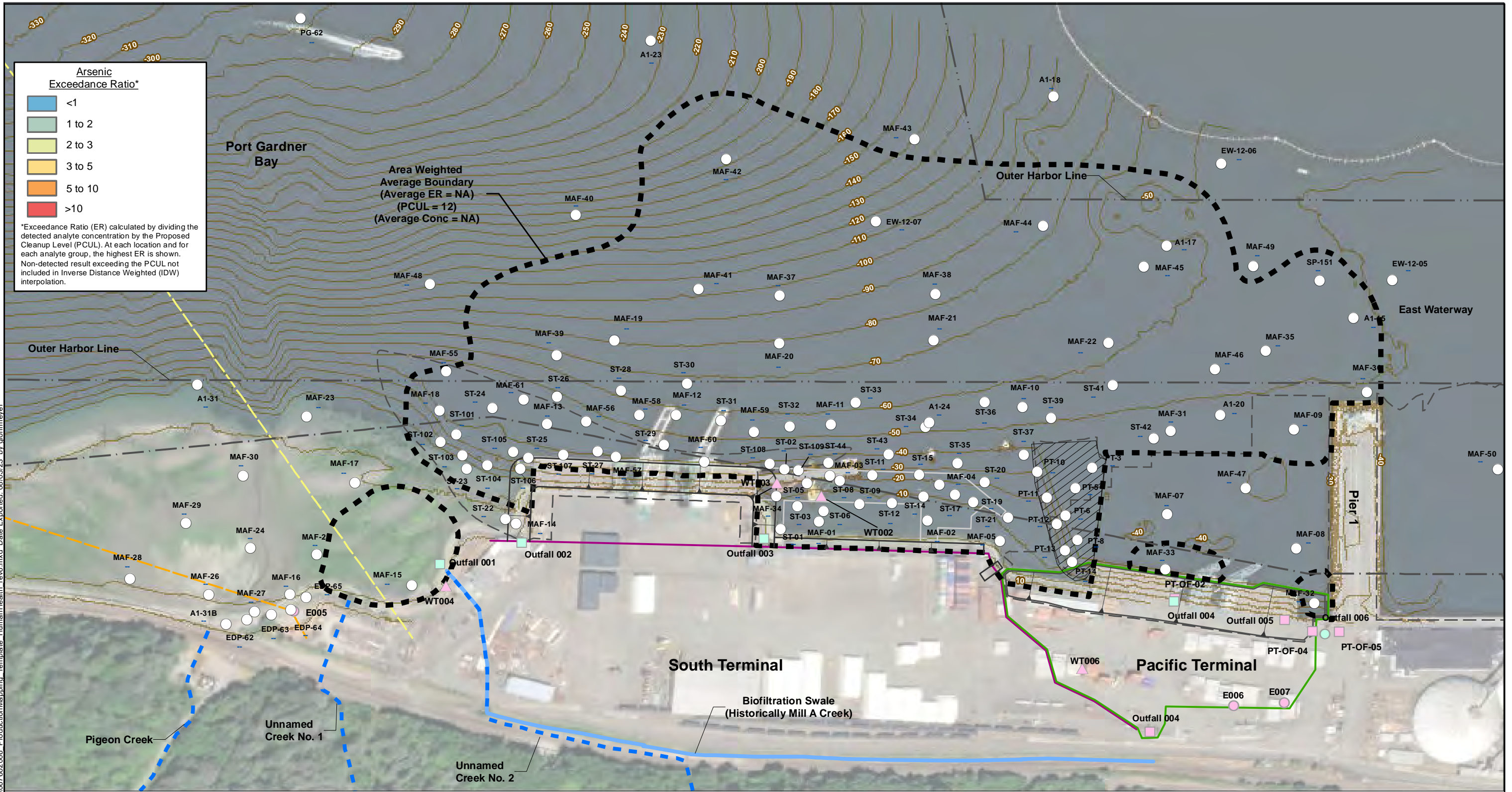
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (14-16 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-206



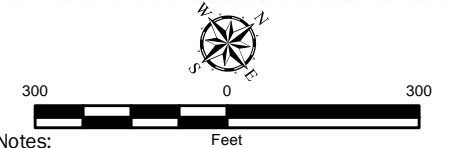
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 12) (Average Conc = NA)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

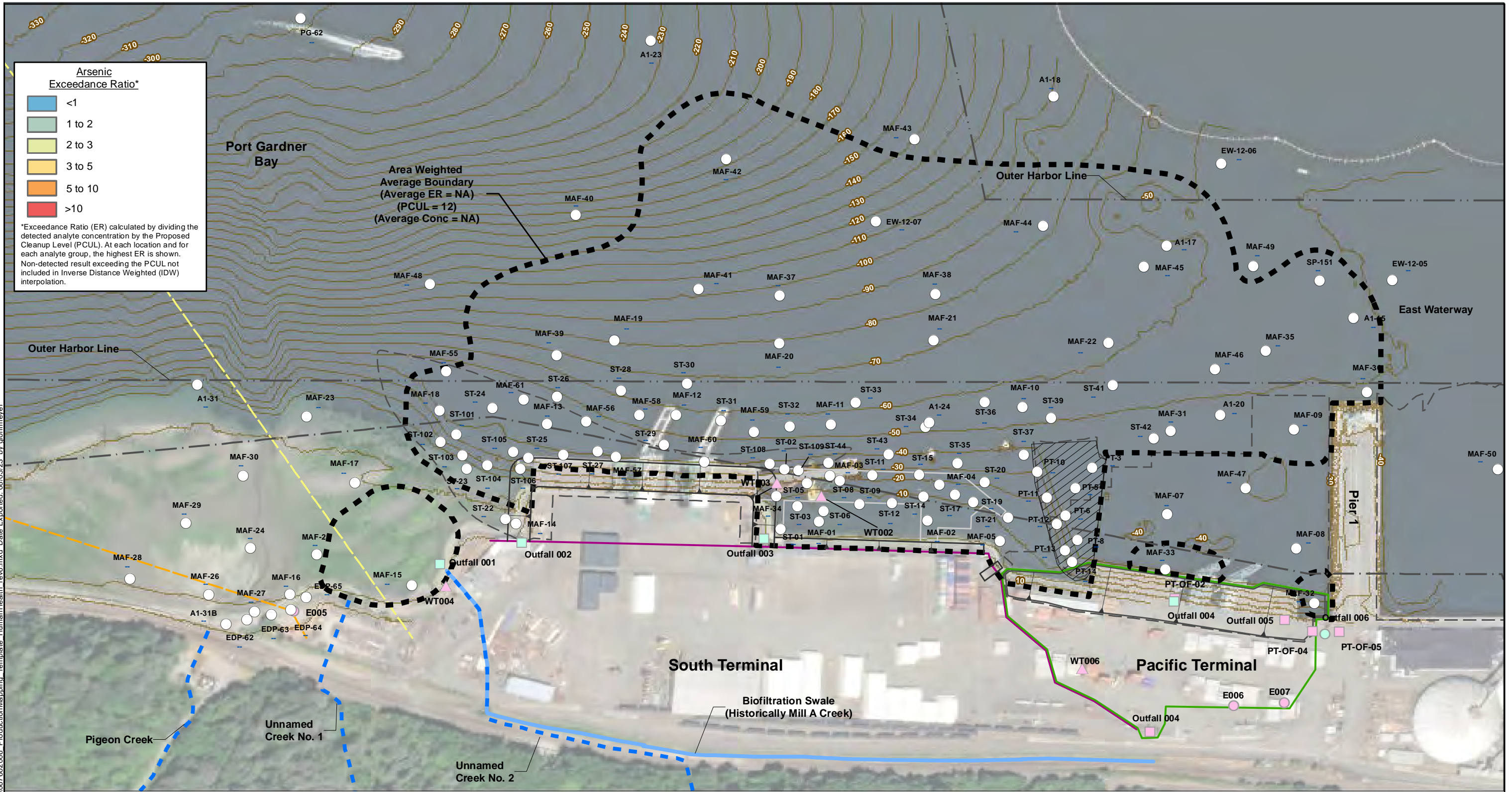
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (16-18 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-207



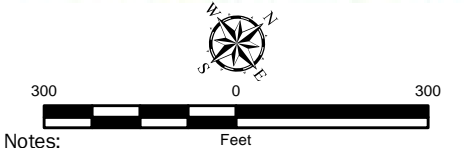
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 12) (Average Conc = NA)

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Notes:

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

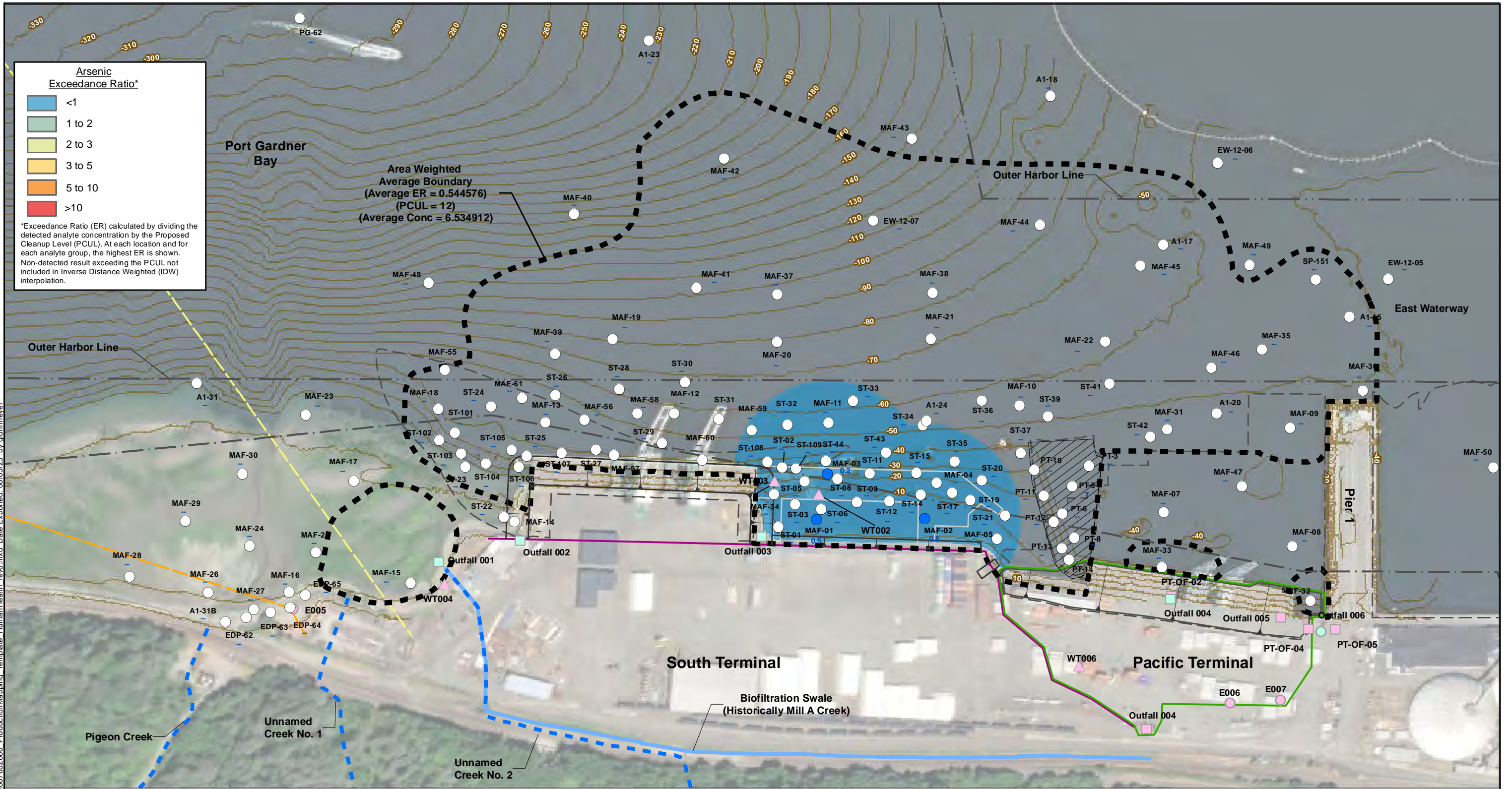
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (18-20 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-208



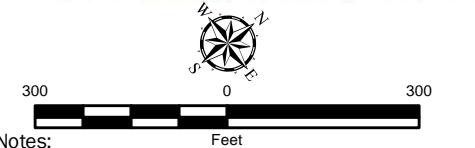
Arsenic Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.544576)
(PCUL = 12)
(Average Conc = 6.534912)

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Notes:

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

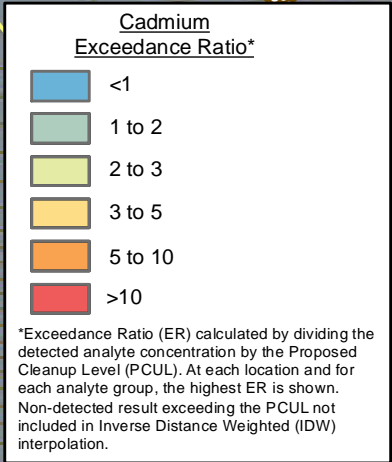
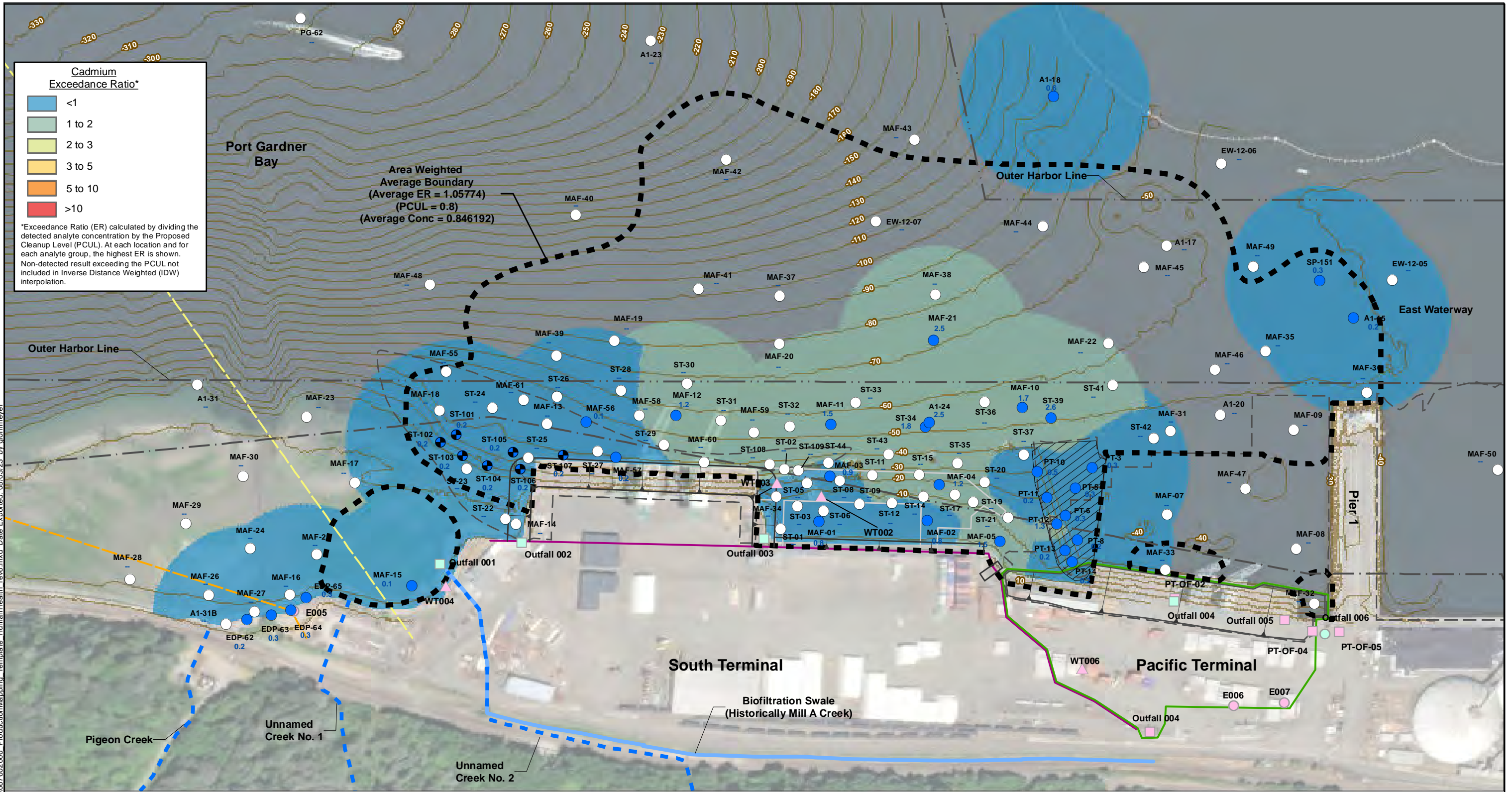
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Arsenic Results (Human Health)
Subsurface Sediment (20-22 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

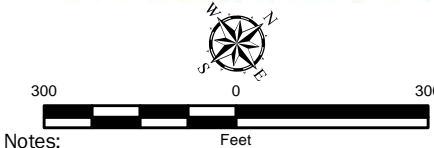
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Figure Q-209



Area Weighted Average Boundary
(Average ER = 1.05774)
(PCUL = 0.8)
(Average Conc = 0.846192)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

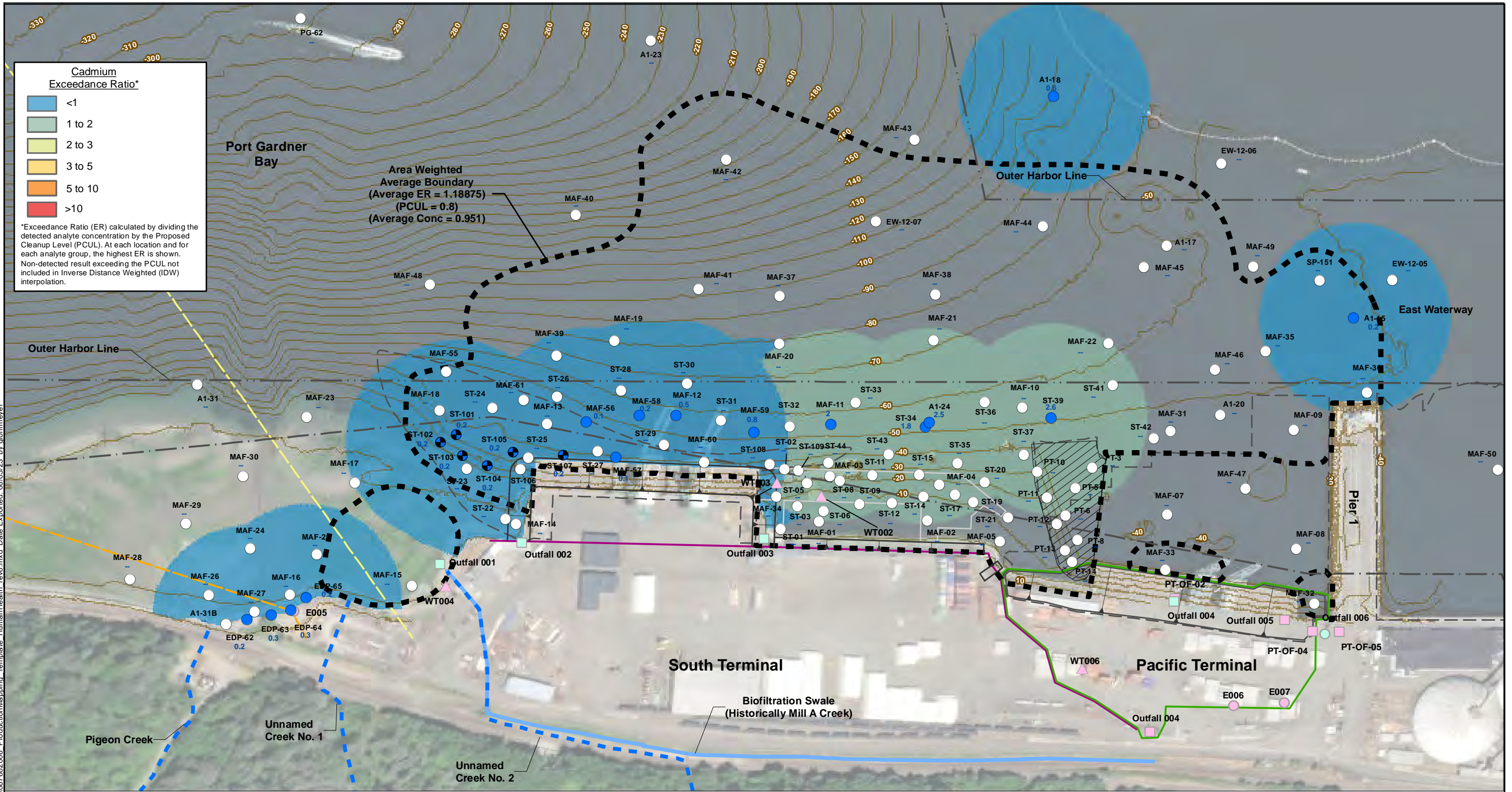
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Cadmium Results (Human Health)
Subsurface Sediment (0-2 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-210



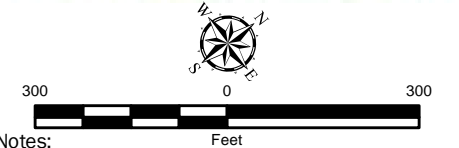
Cadmium Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 1.18875)
(PCUL = 0.8)
(Average Conc = 0.951)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

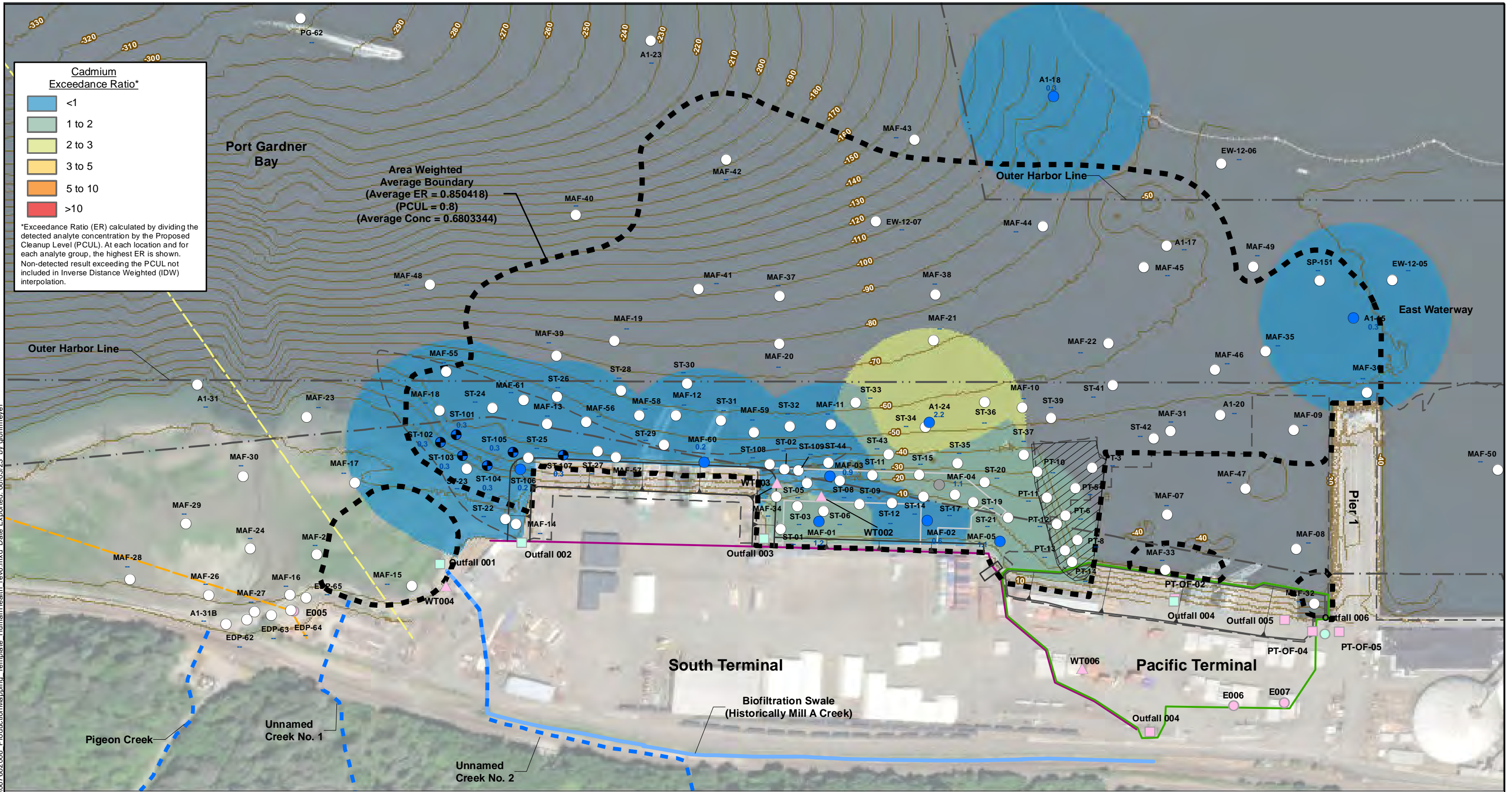
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Cadmium Results (Human Health)
Subsurface Sediment (2-4 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-211



Cadmium Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.850418)
 (PCUL = 0.8)
 (Average Conc = 0.6803344)

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Notes:

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

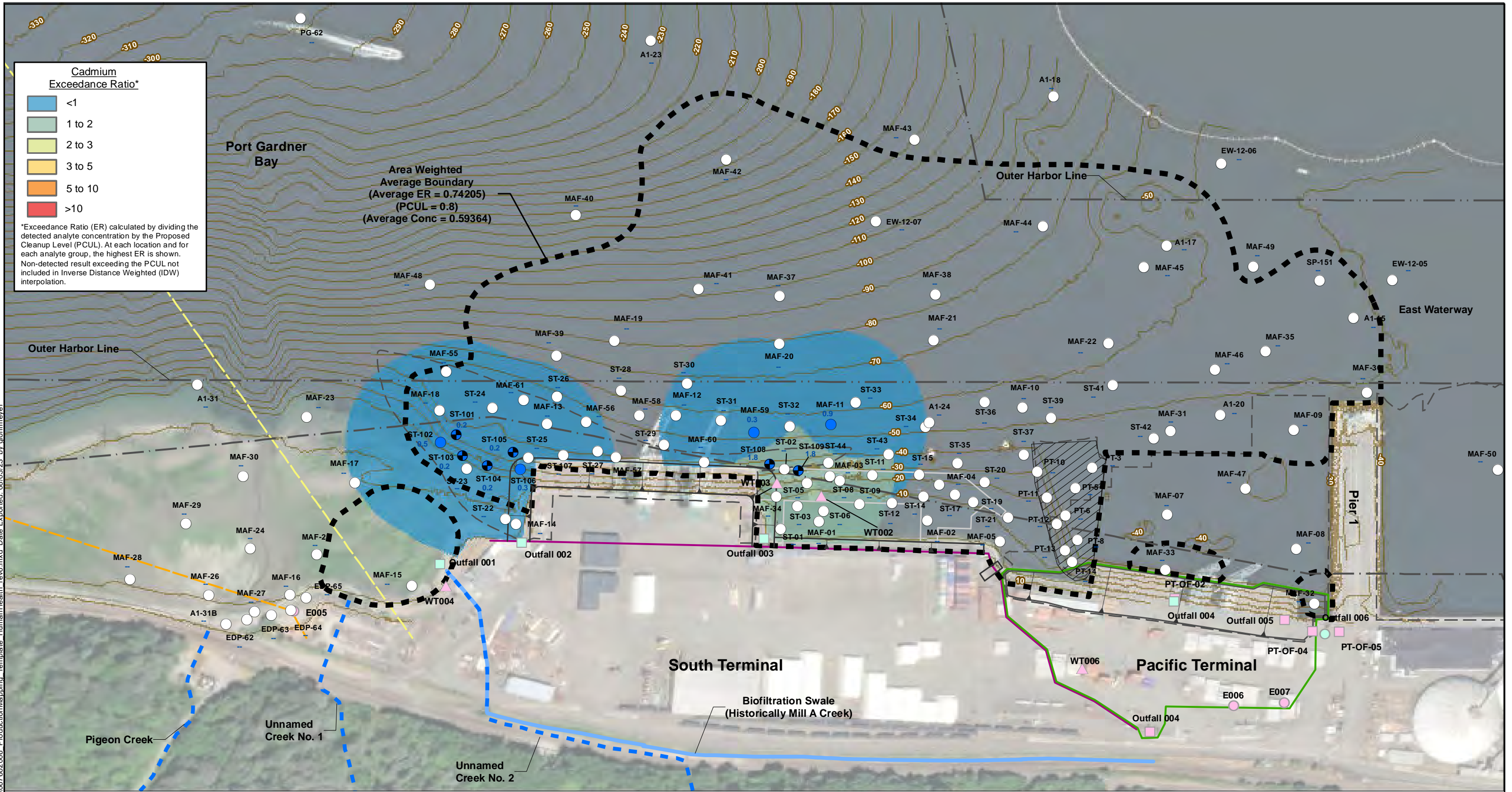
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Cadmium Results (Human Health)
Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS **Figure Q-212**



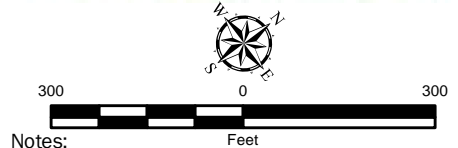
Cadmium Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.74205)
 (PCUL = 0.8)
 (Average Conc = 0.59364)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

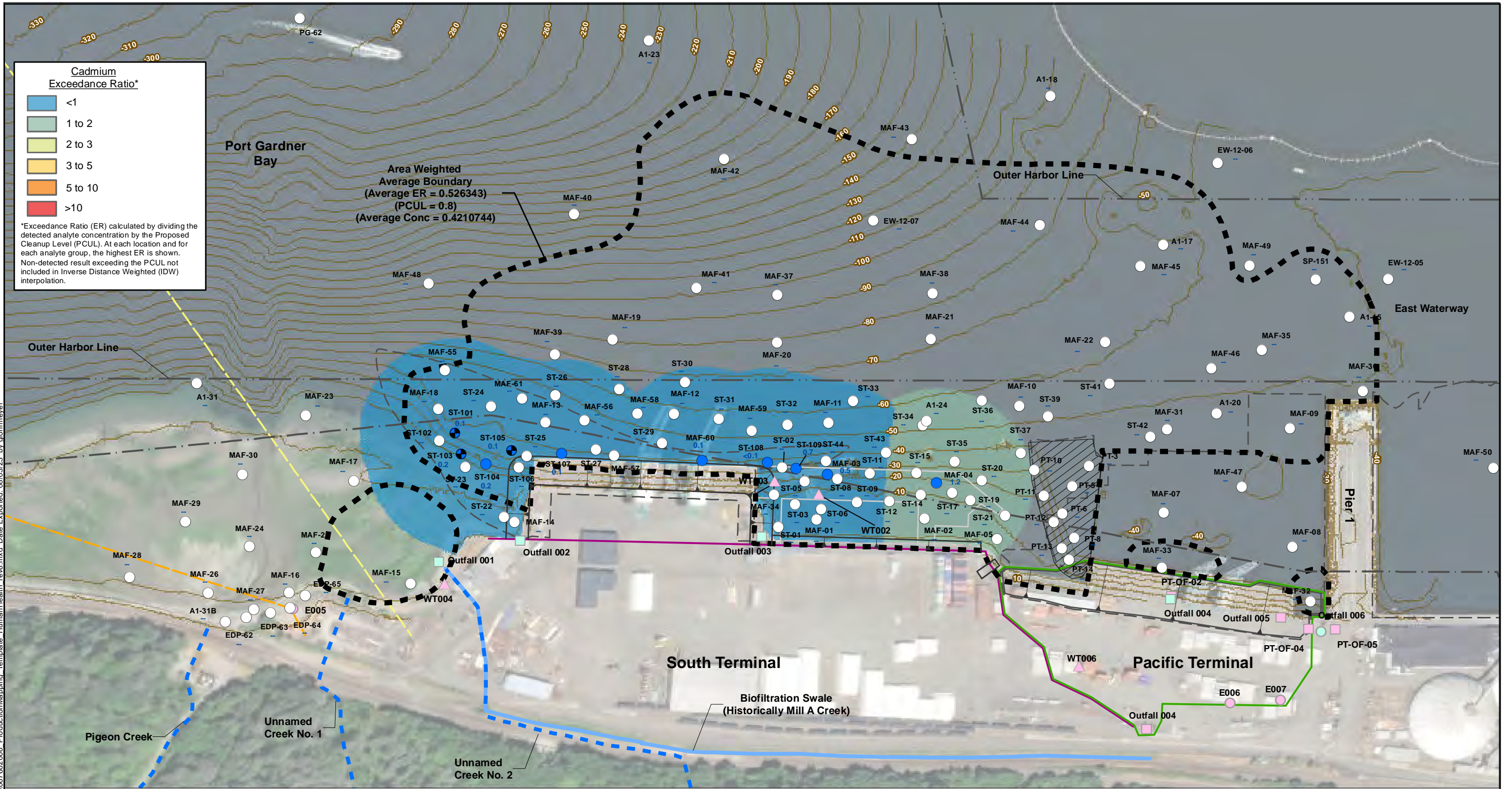
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Cadmium Results (Human Health)
Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-213



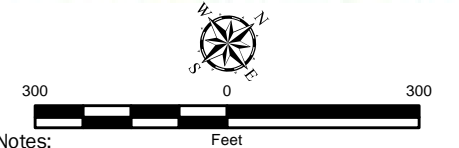
Cadmium Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.526343)
 (PCUL = 0.8)
 (Average Conc = 0.4210744)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

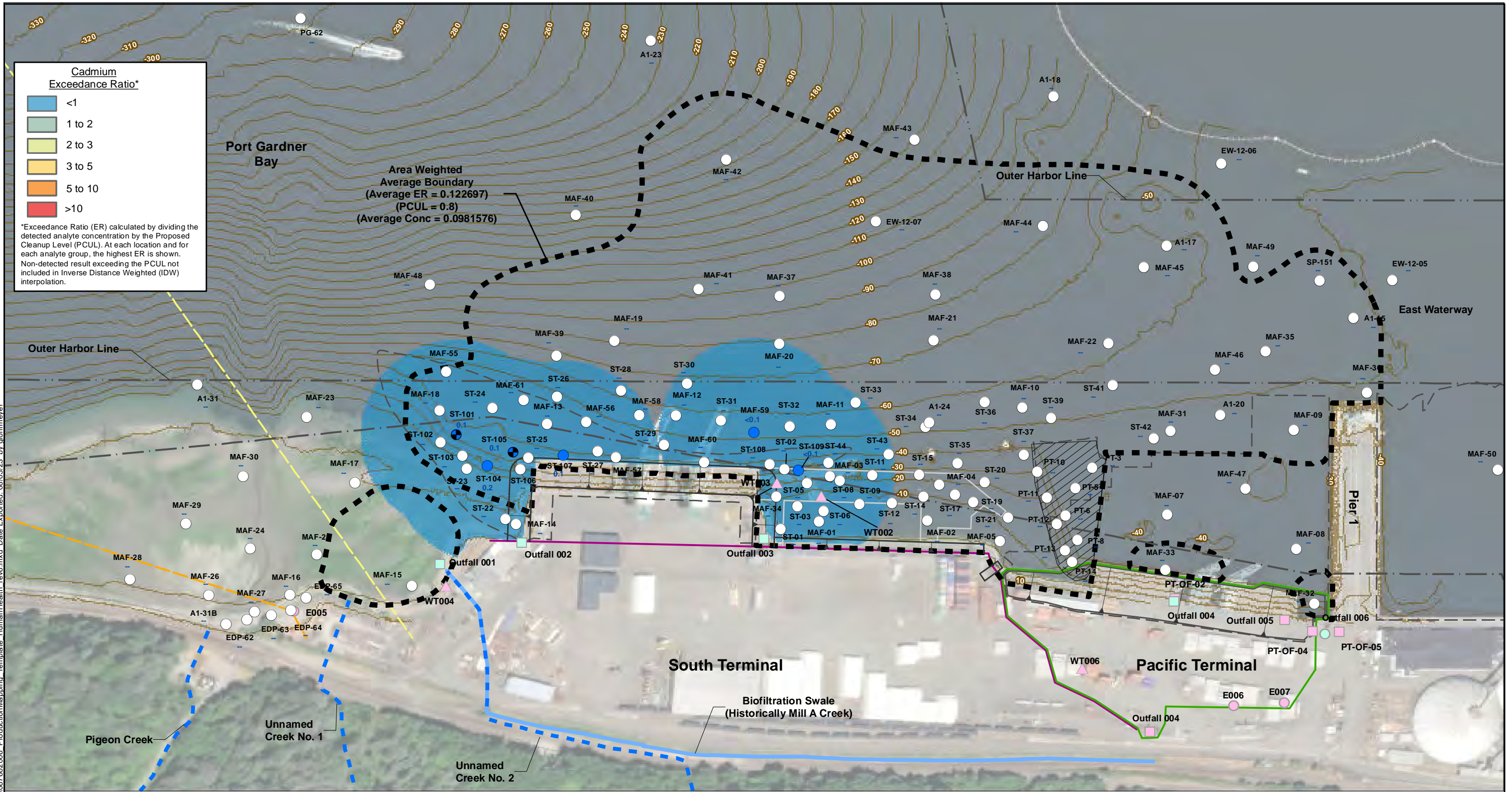
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Cadmium Results (Human Health)
Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-214



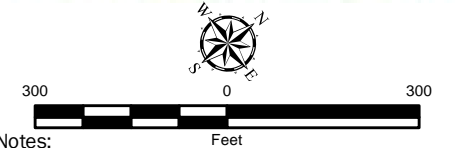
Cadmium Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.122697)
 (PCUL = 0.8)
 (Average Conc = 0.0981576)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

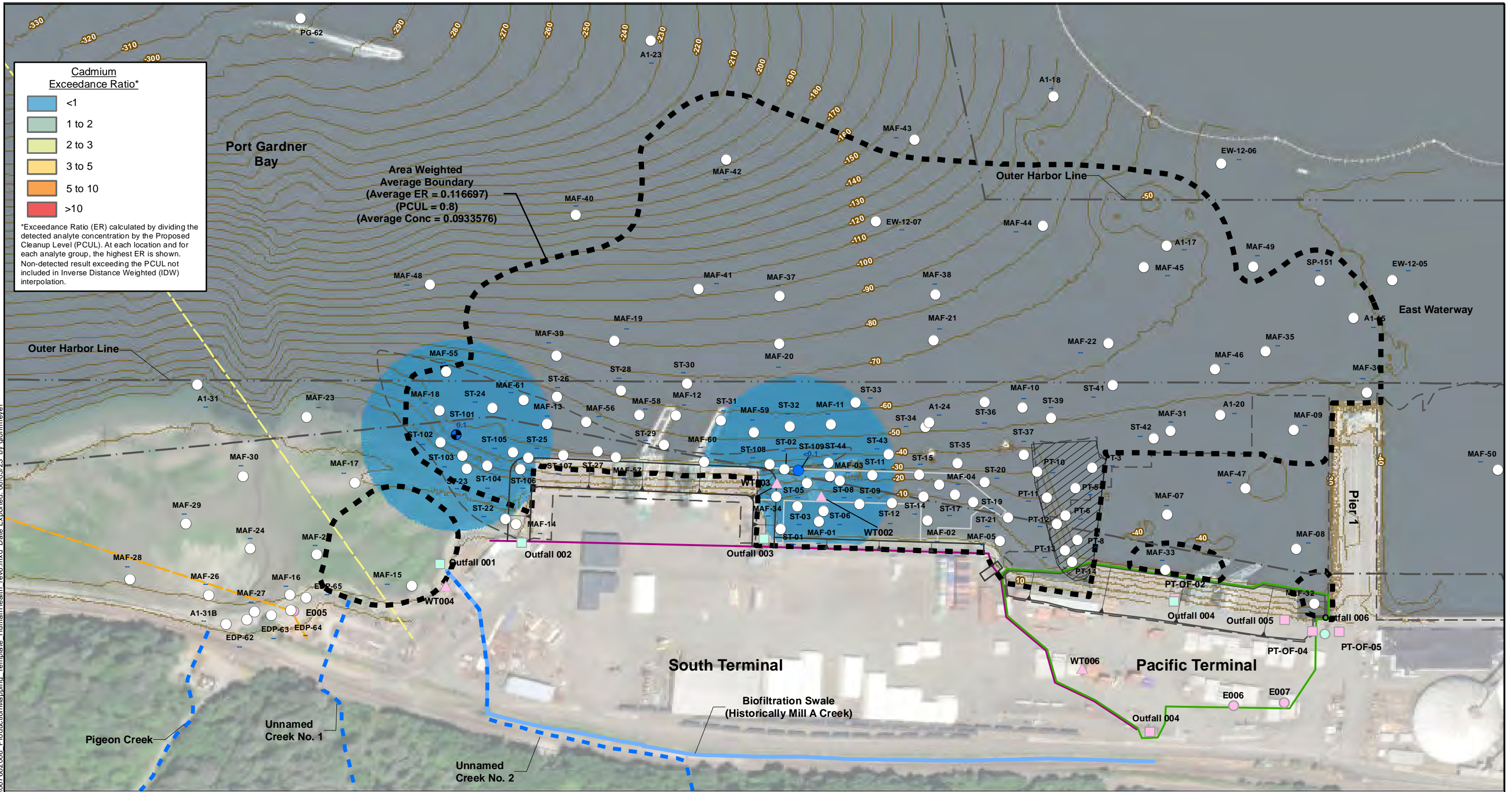
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Cadmium Results (Human Health)
Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

GEOENGINEERS

Figure Q-215



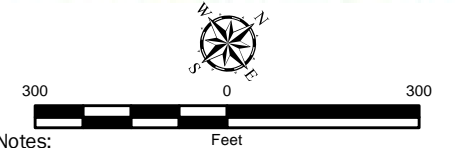
Cadmium Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.116697)
 (PCUL = 0.8)
 (Average Conc = 0.0933576)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

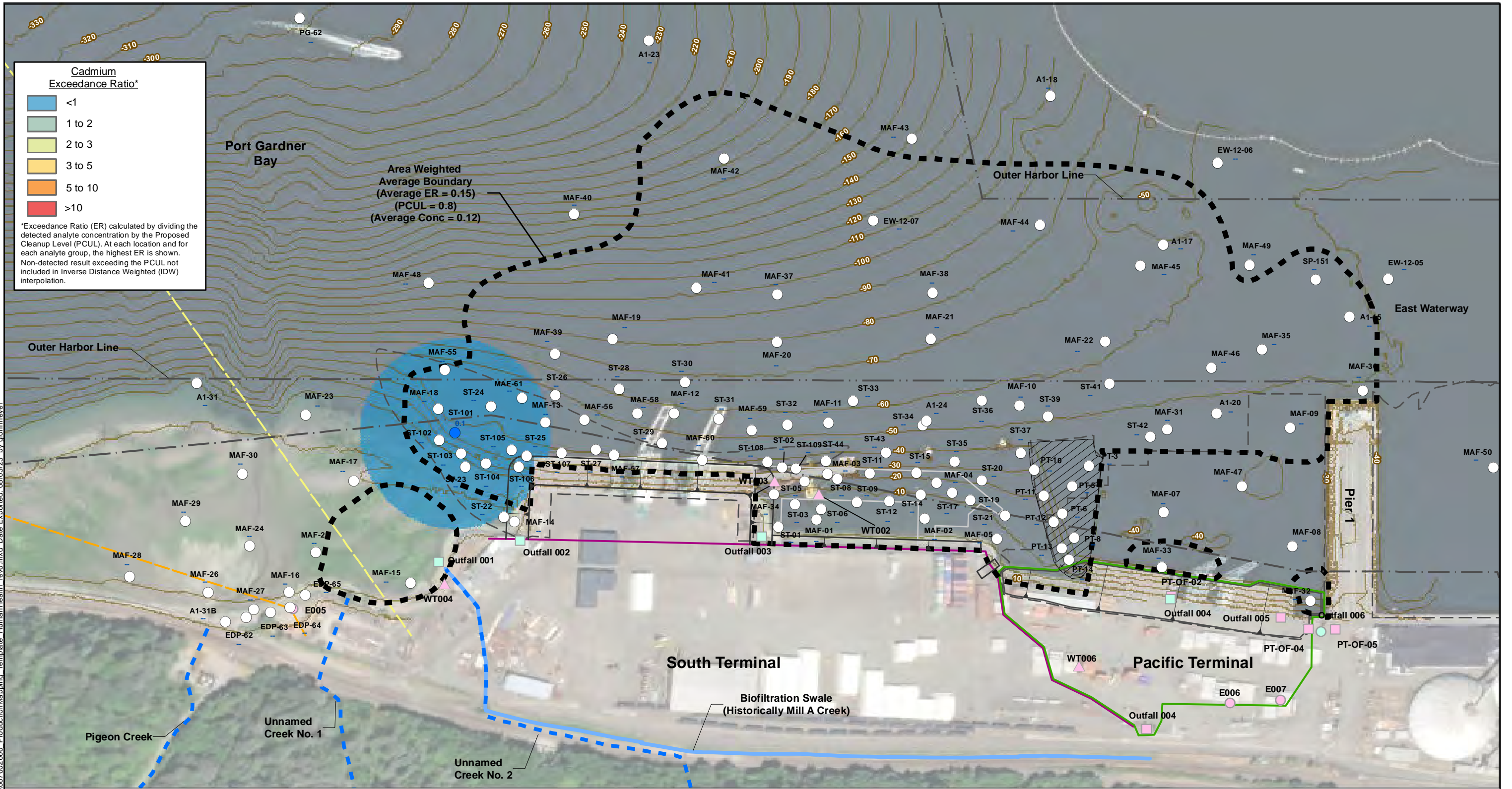
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Cadmium Results (Human Health)
Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

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Figure Q-216



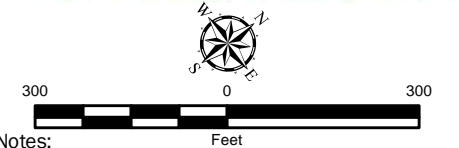
Cadmium Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.15)
(PCUL = 0.8)
(Average Conc = 0.12)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

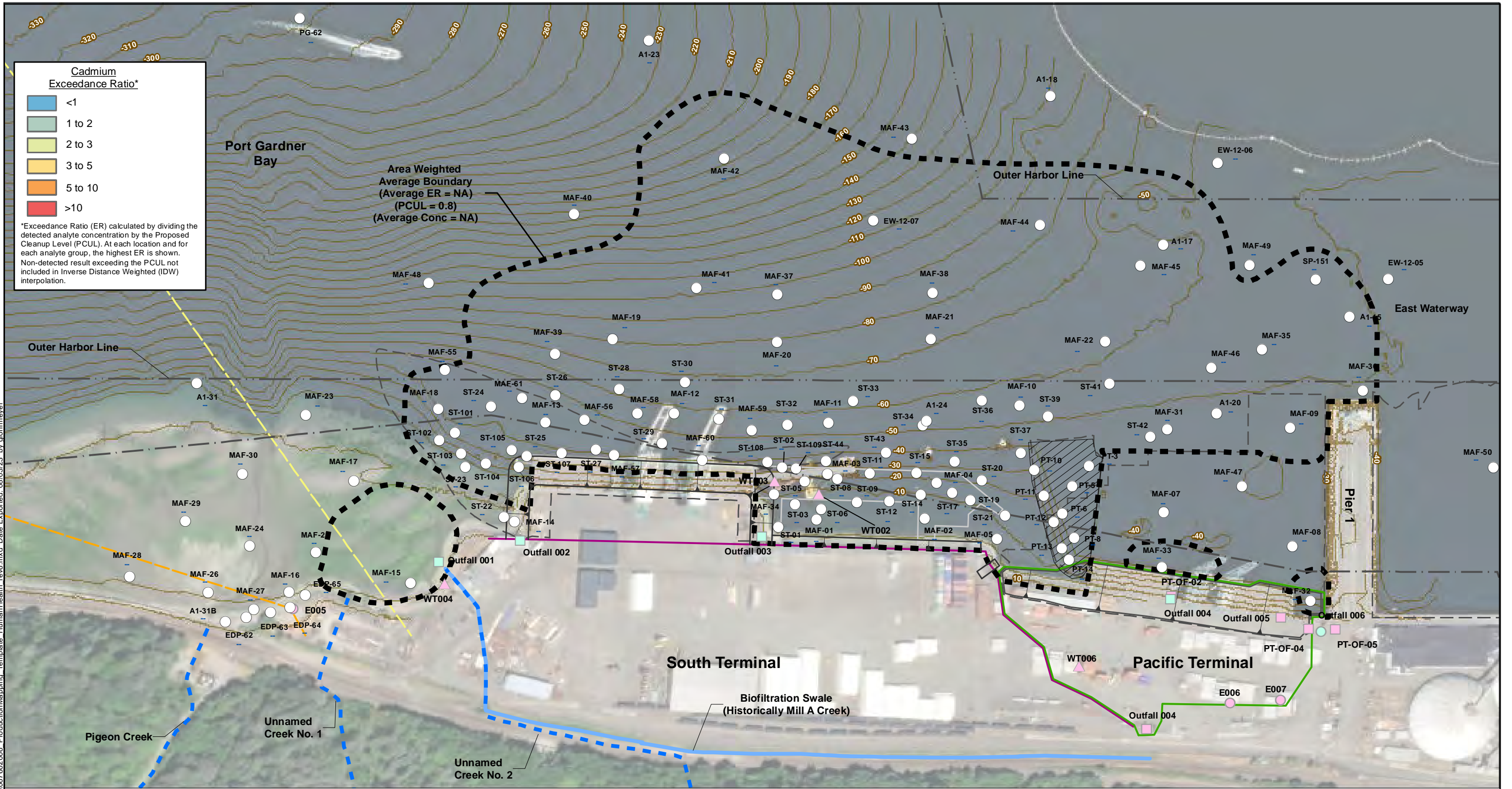
- MAF-01 Sample Location Identification Result
- 1.22
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Cadmium Results (Human Health)
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-217



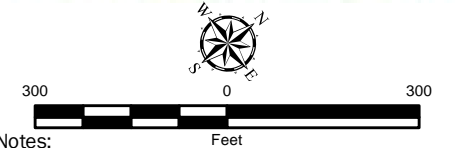
Cadmium Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 0.8) (Average Conc = NA)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

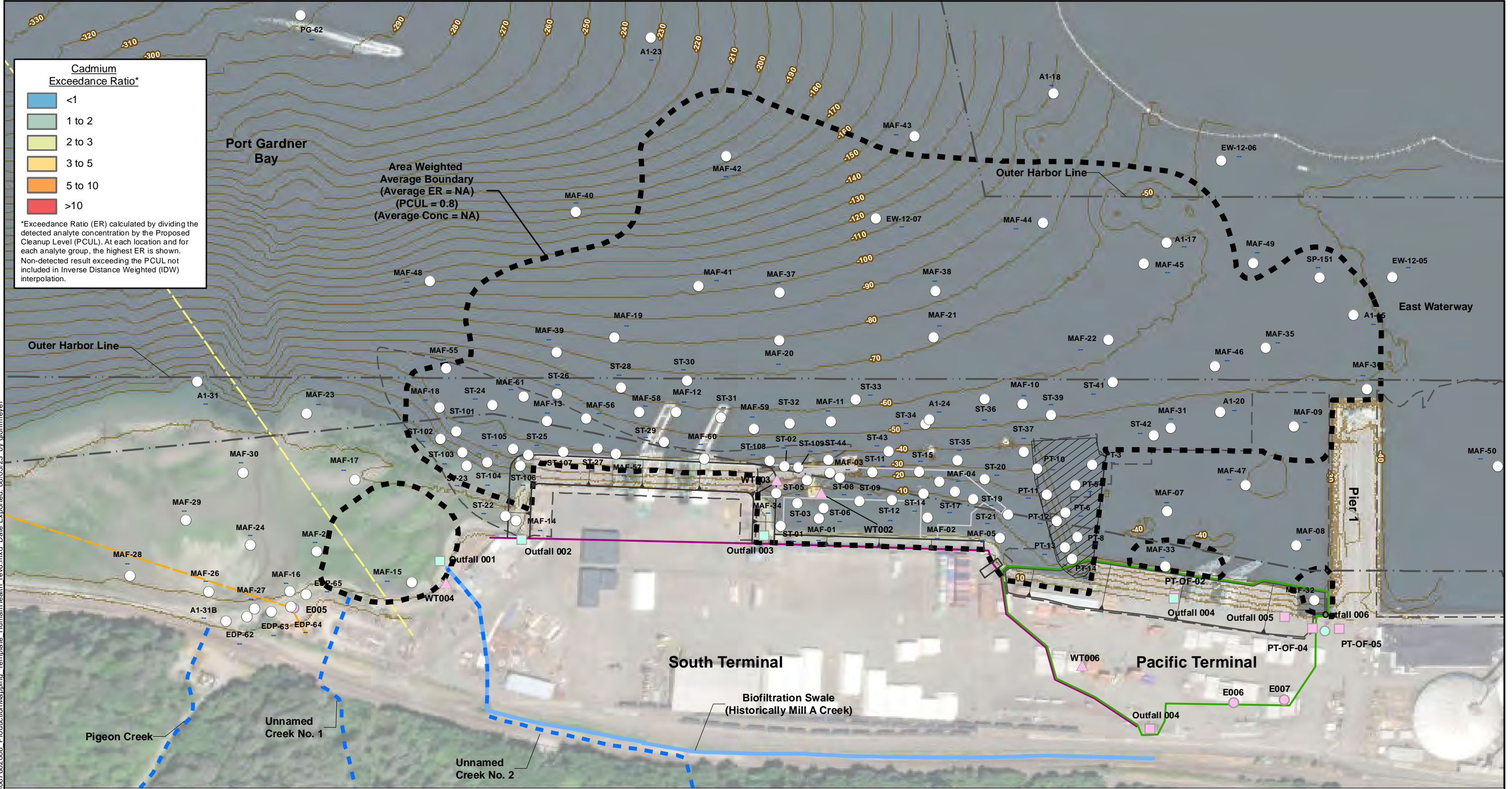
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Cadmium Results (Human Health)
Subsurface Sediment (16-18 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-218



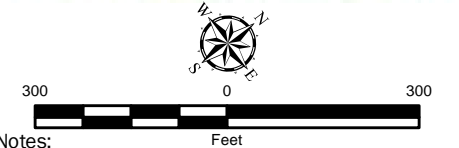
Cadmium Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = NA)
(PCUL = 0.8)
(Average Conc = NA)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

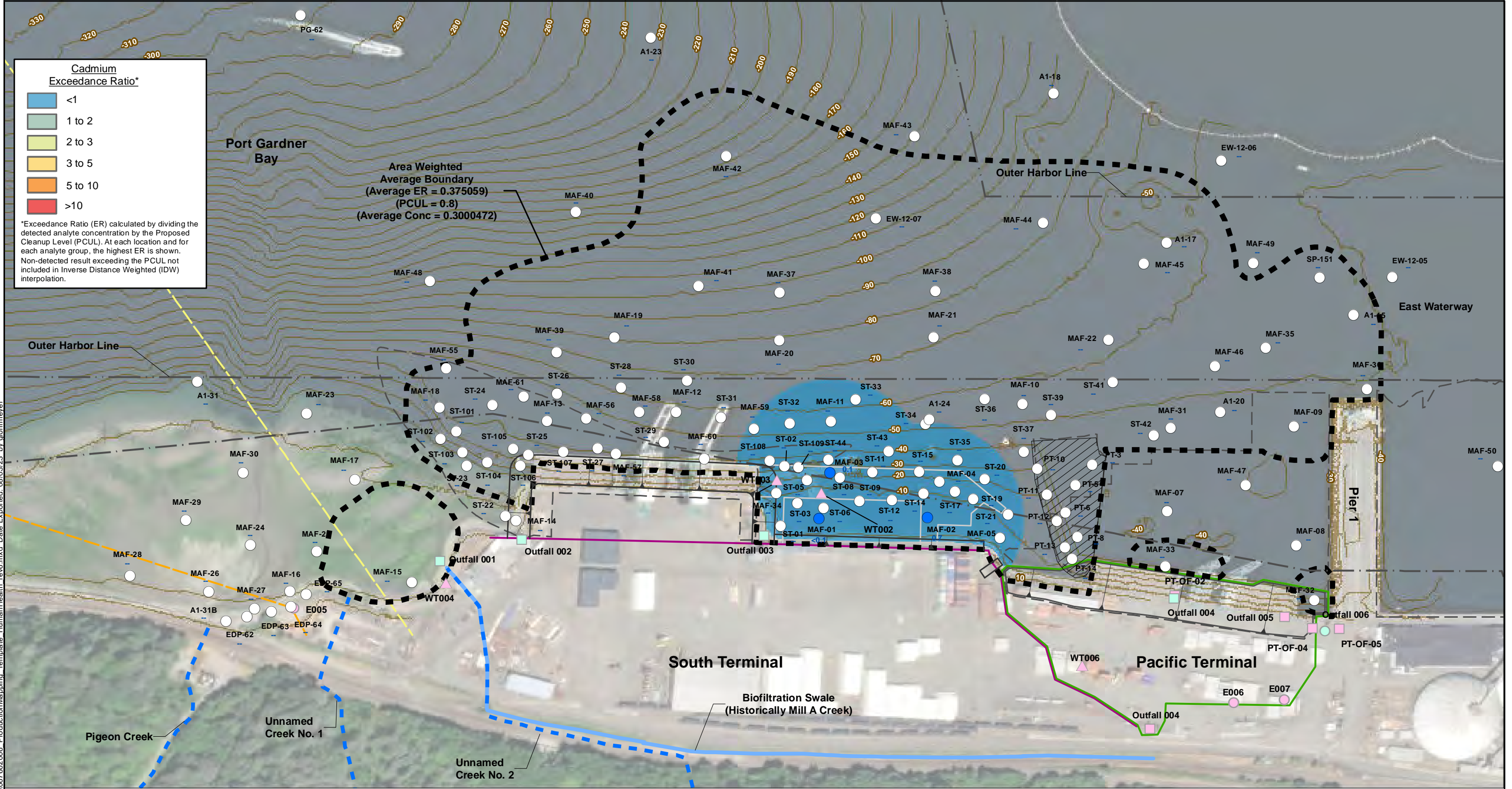
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Cadmium Results (Human Health)
Subsurface Sediment (18-20 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-219



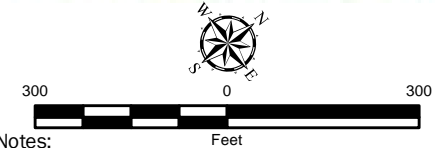
Cadmium Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.375059)
 (PCUL = 0.8)
 (Average Conc = 0.3000472)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

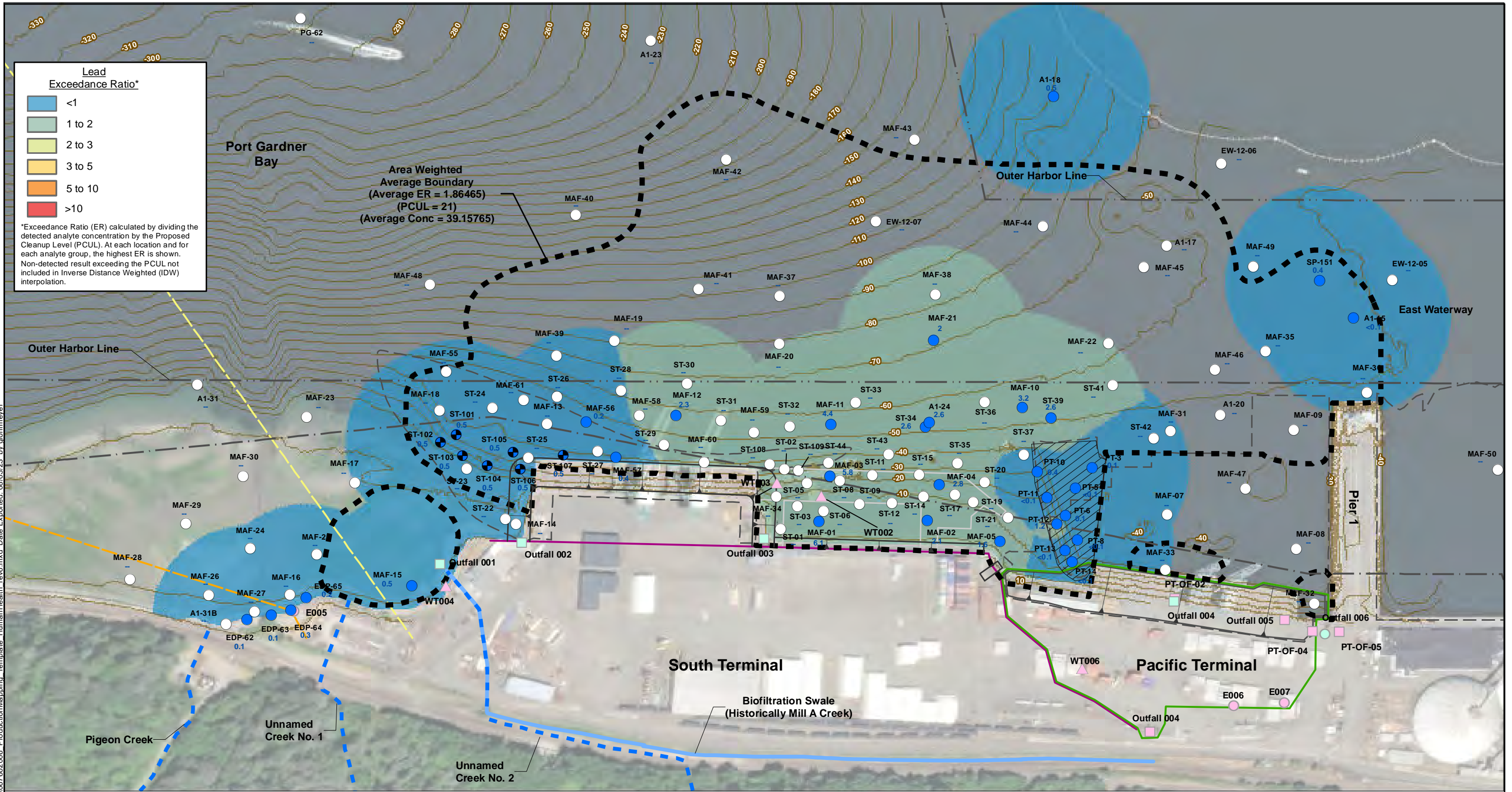
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Cadmium Results (Human Health)
Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-220



Lead Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 1.86465)
(PCUL = 21)
(Average Conc = 39.15765)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

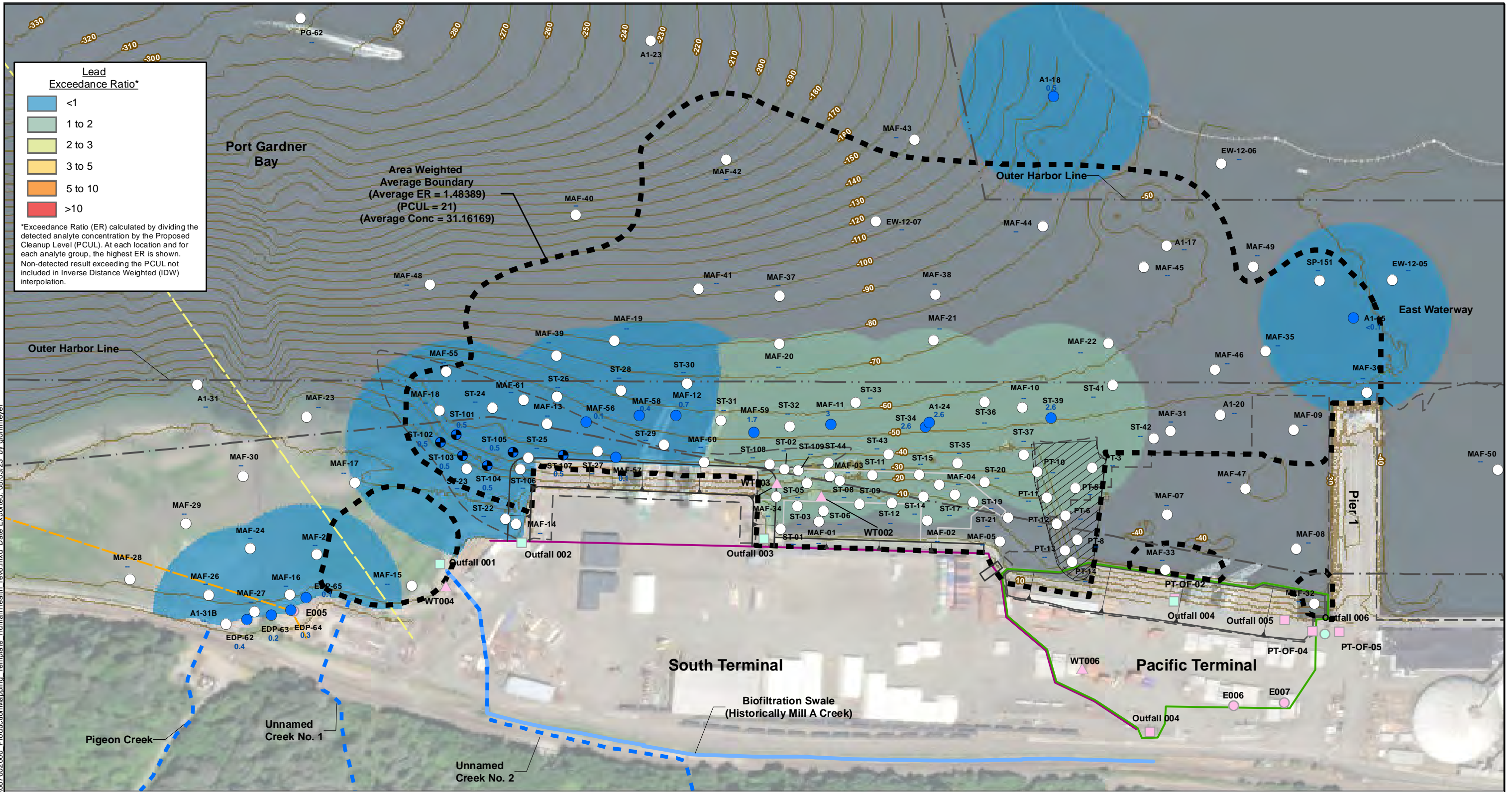
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Lead Results (Human Health)
Subsurface Sediment (0-2 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

GEOENGINEERS

Figure Q-221



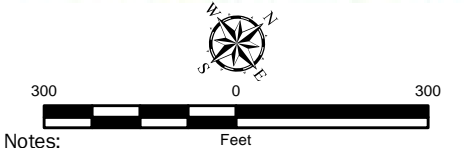
Lead Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 1.48389)
(PCUL = 21)
(Average Conc = 31.16169)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

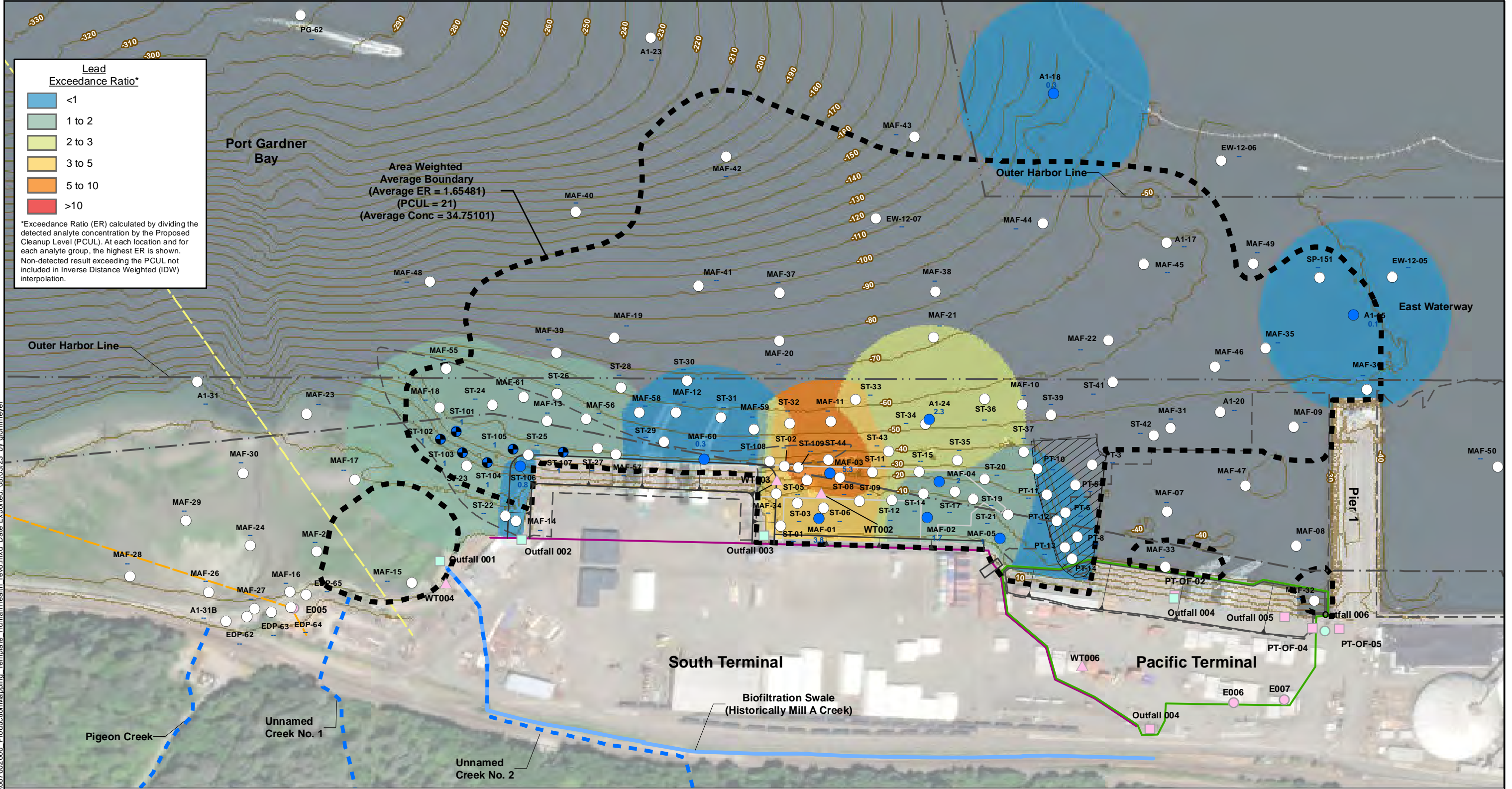
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Lead Results (Human Health)
Subsurface Sediment (2-4 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-222



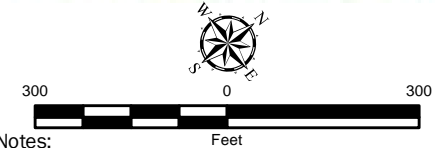
Lead Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 1.65481)
 (PCUL = 21)
 (Average Conc = 34.75101)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

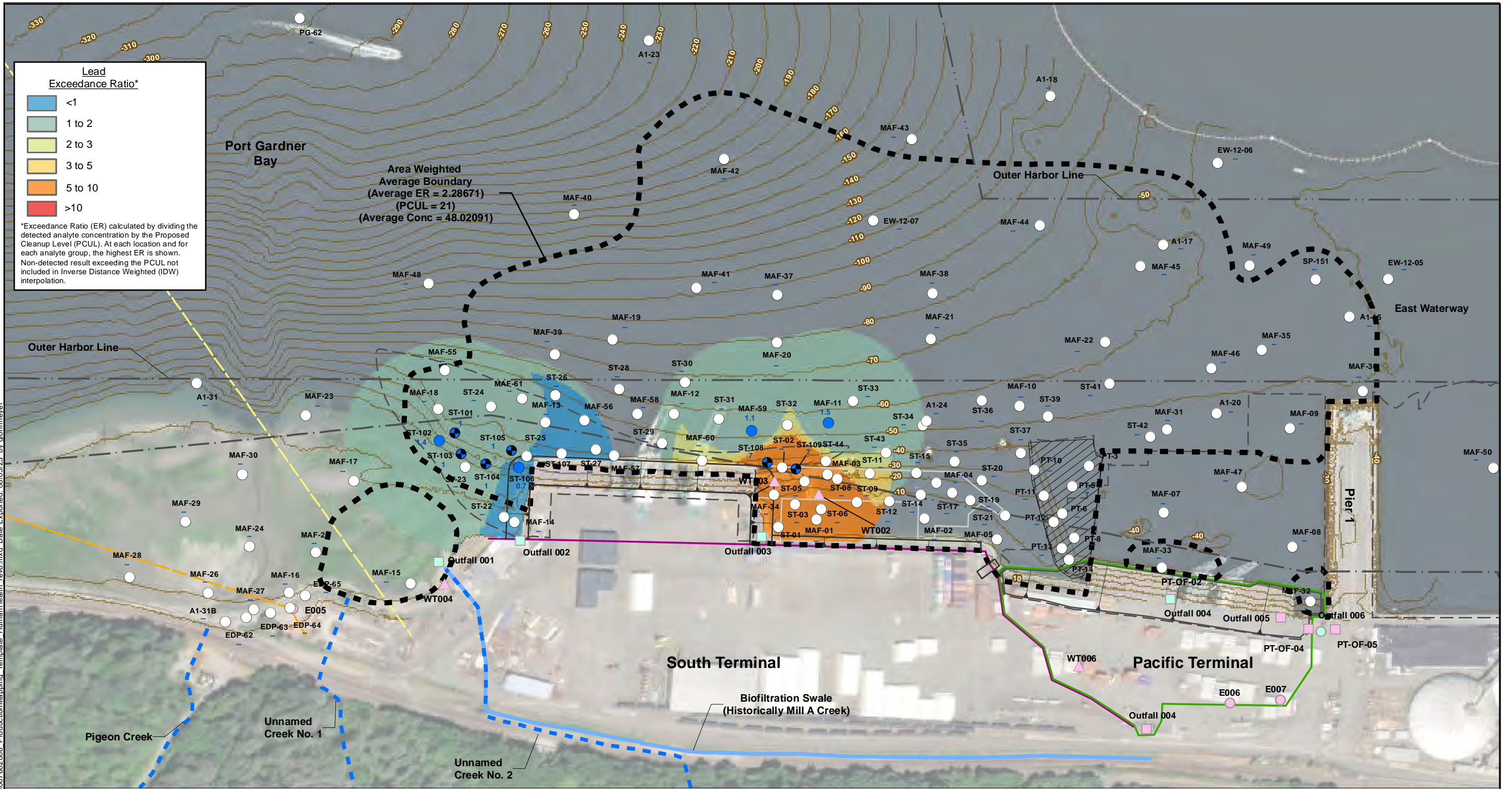
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Lead Results (Human Health)
Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS **Figure Q-223**



Lead Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 2.28671)
 (PCUL = 21)
 (Average Conc = 48.02091)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

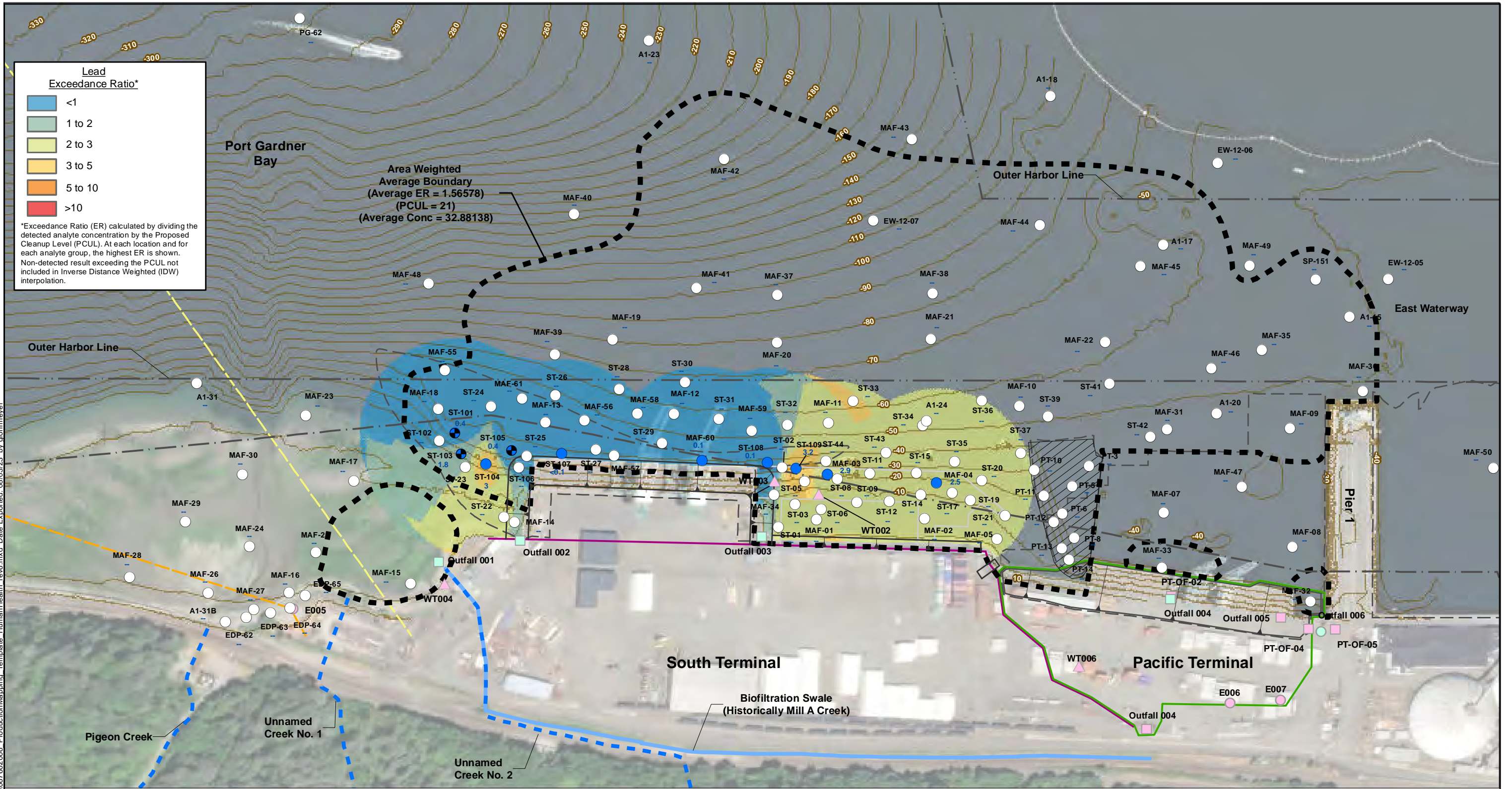
- MAF-01 Sample Location Identification Result
- 1.22
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Lead Results (Human Health)
Subsurface Sediment (6-8 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-224



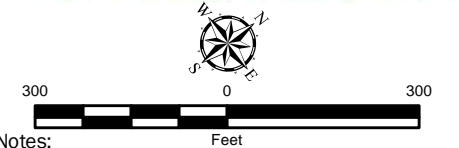
Lead Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 1.56578)
 (PCUL = 21)
 (Average Conc = 32.88138)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

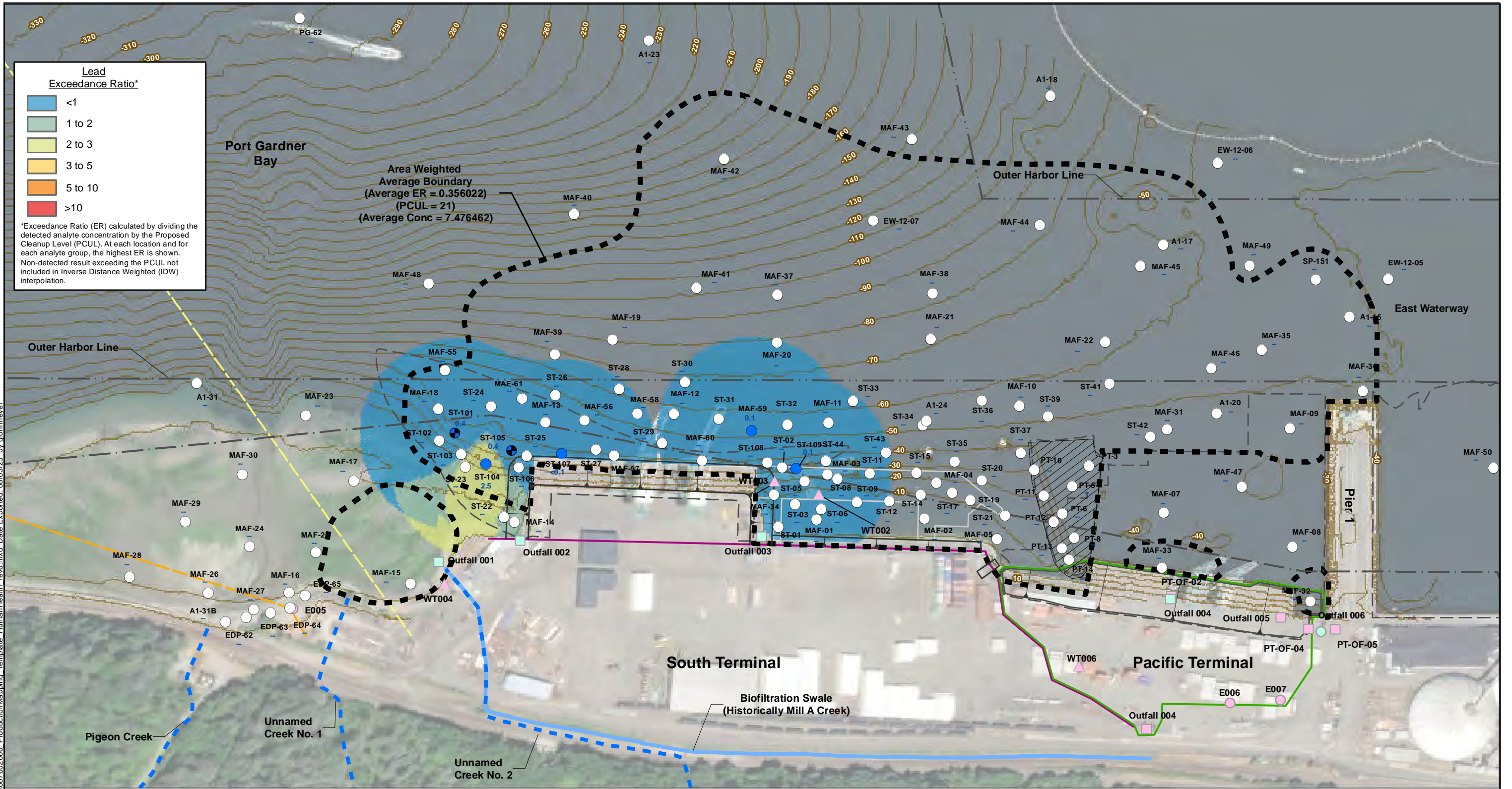
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Lead Results (Human Health)
Subsurface Sediment (8-10 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-225



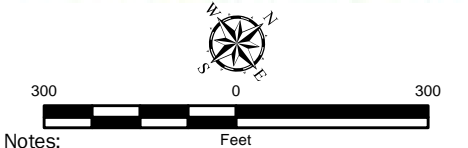
Lead Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.356022)
(PCUL = 21)
(Average Conc = 7.476462)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

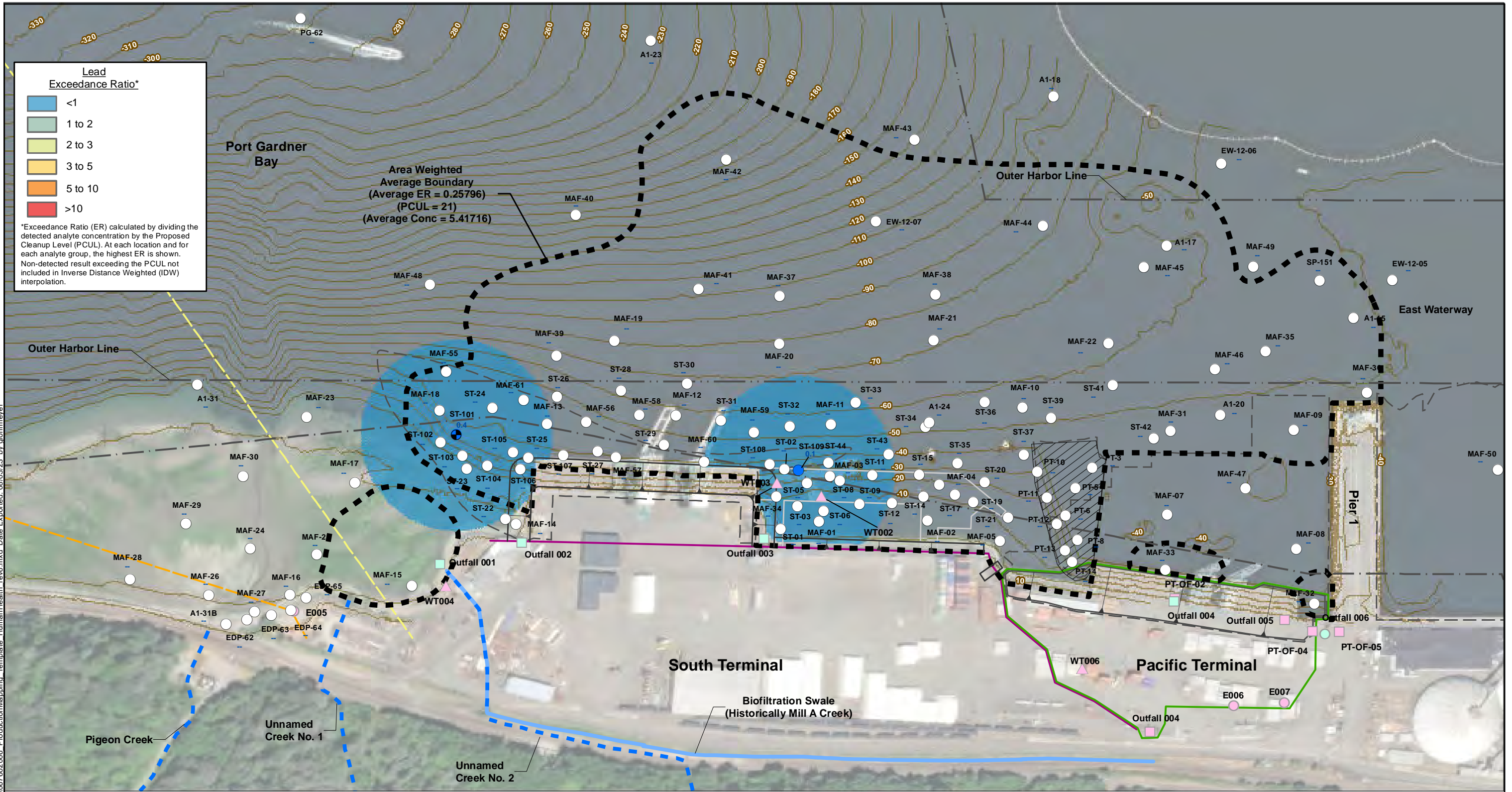
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Lead Results (Human Health)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

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Figure Q-226



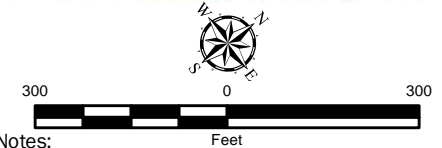
Lead Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.25796)
 (PCUL = 21)
 (Average Conc = 5.41716)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

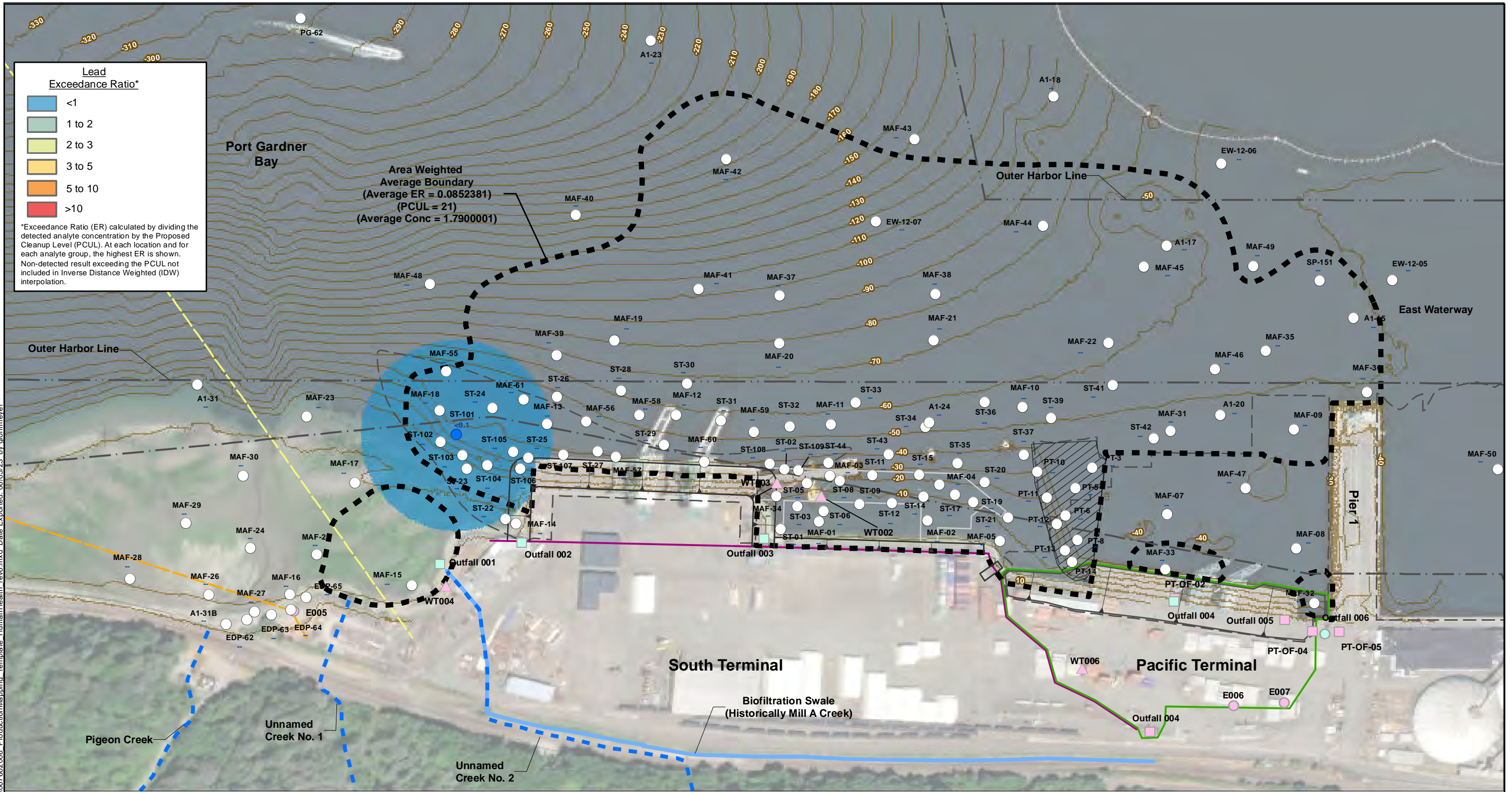
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Lead Results (Human Health)
Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-227



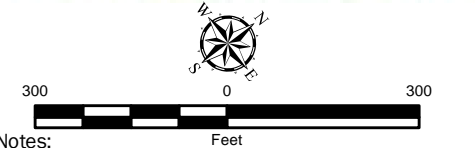
Lead Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0852381)
 (PCUL = 21)
 (Average Conc = 1.7900001)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

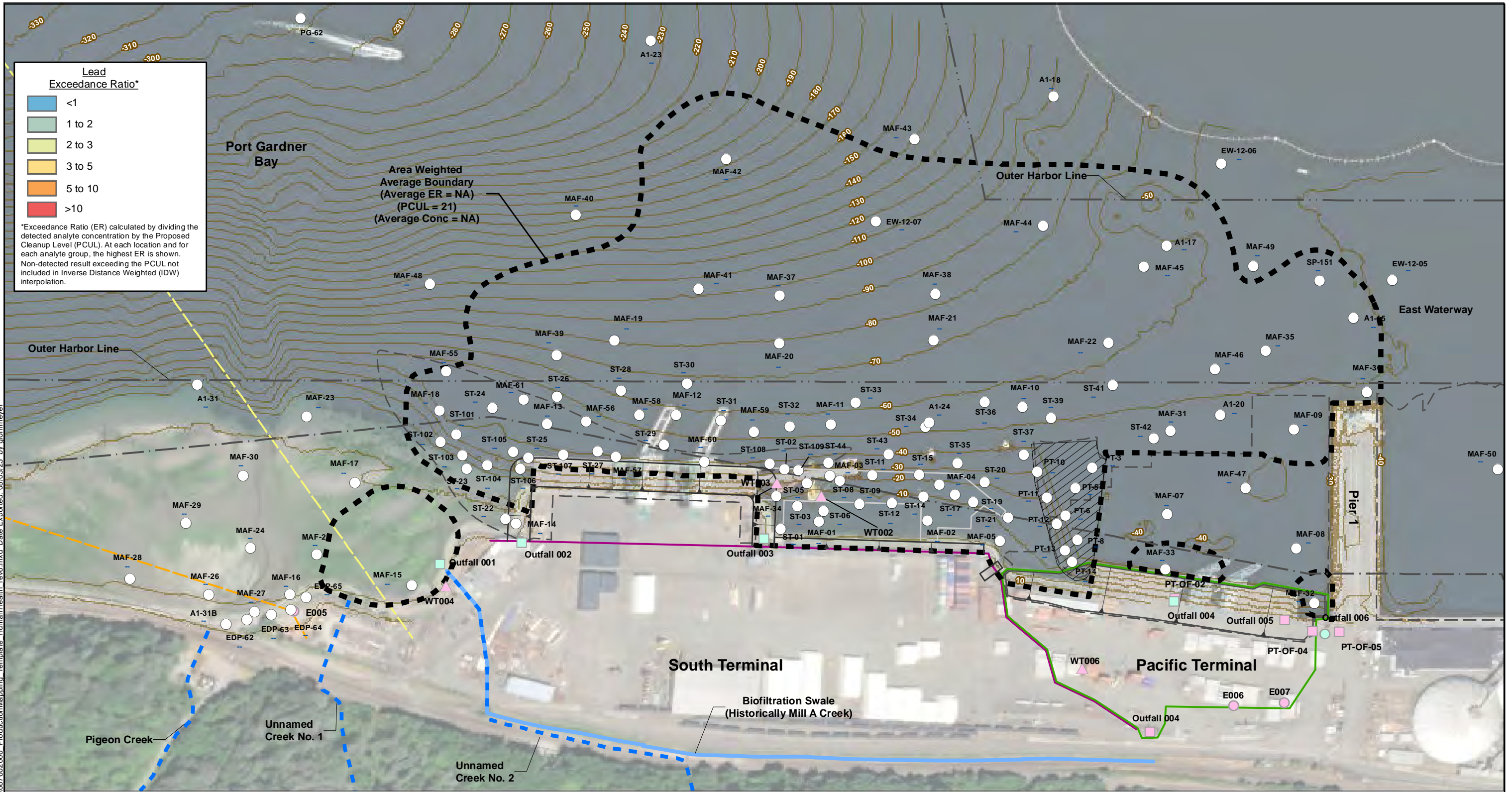
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Lead Results (Human Health)
Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-228



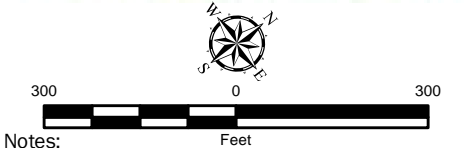
Lead Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 21) (Average Conc = NA)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

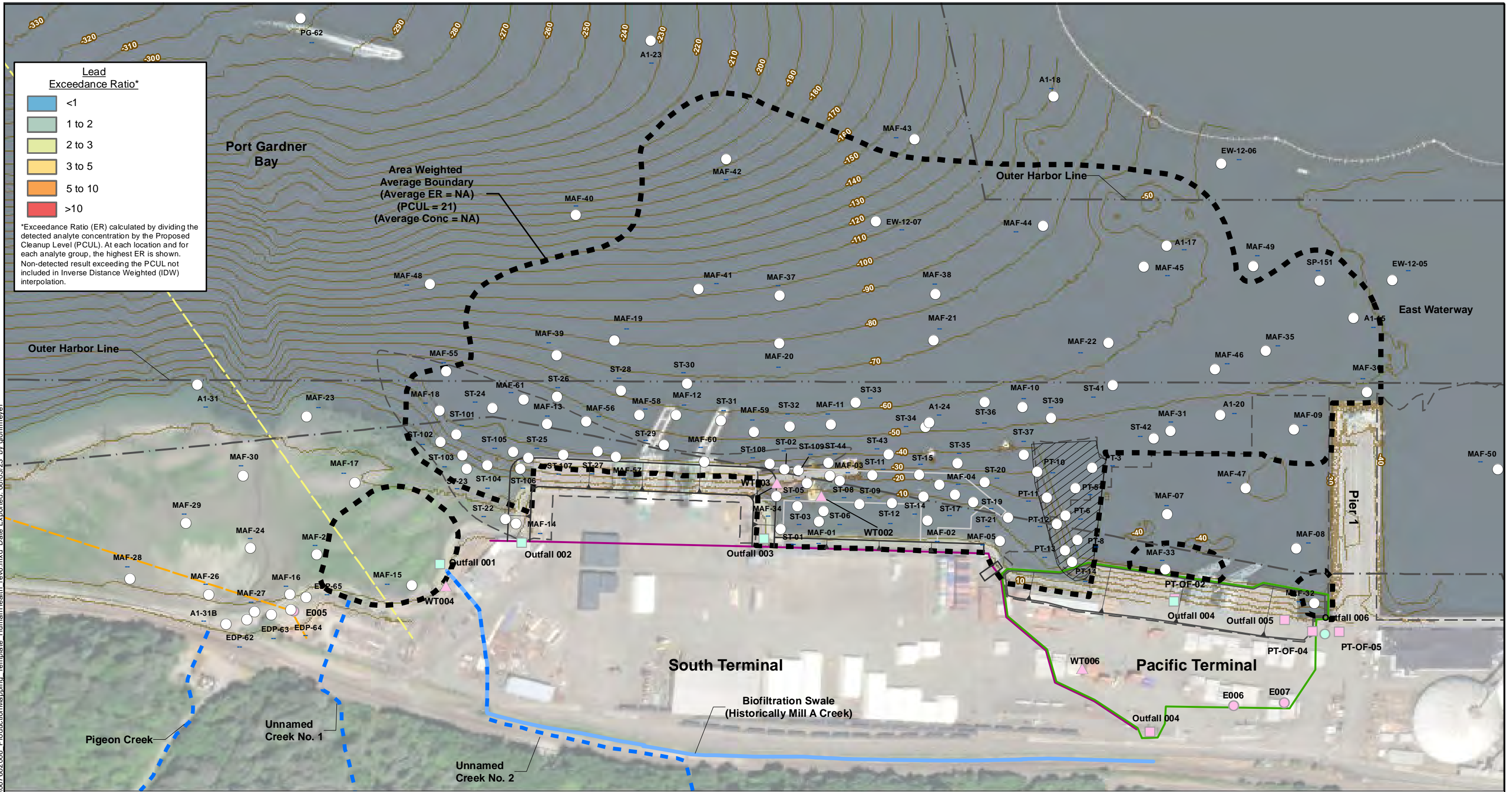
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Lead Results (Human Health)
Subsurface Sediment (16-18 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-229



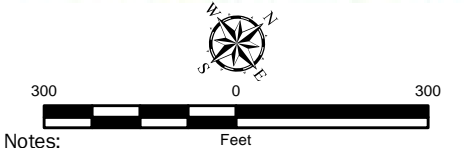
Lead Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 21) (Average Conc = NA)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

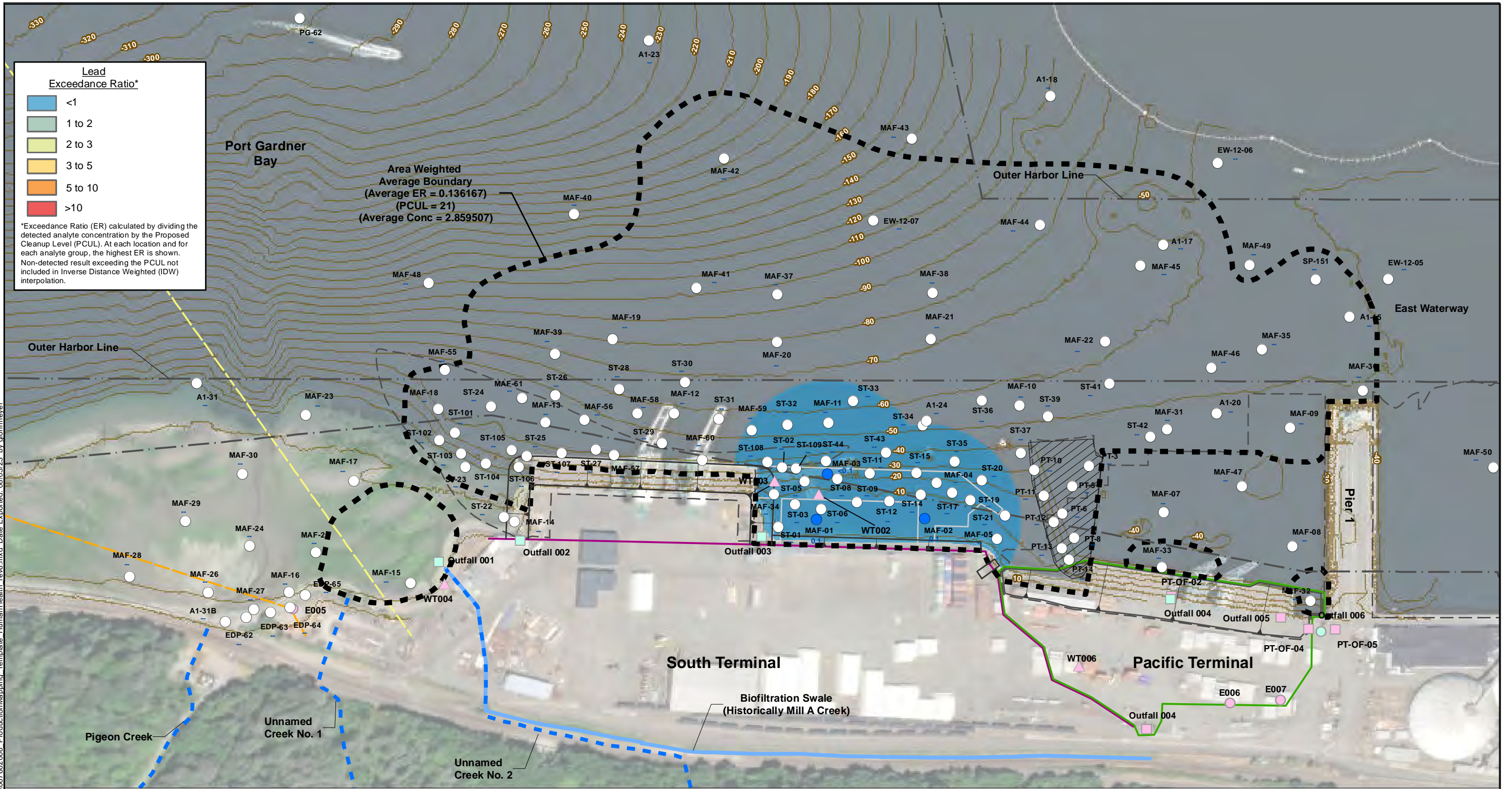
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Lead Results (Human Health)
Subsurface Sediment (18-20 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

GEOENGINEERS

Figure Q-230



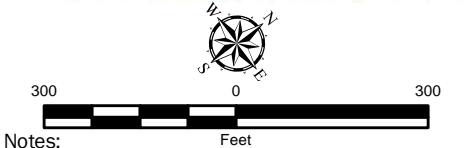
Lead Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.136167)
 (PCUL = 21)
 (Average Conc = 2.859507)

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Notes:

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

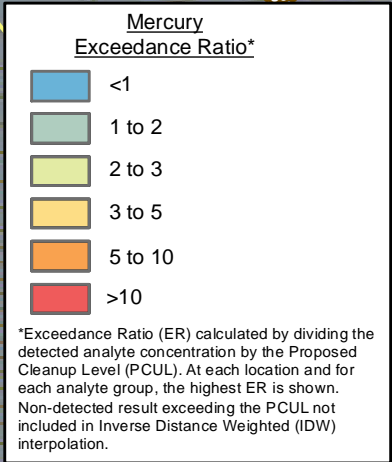
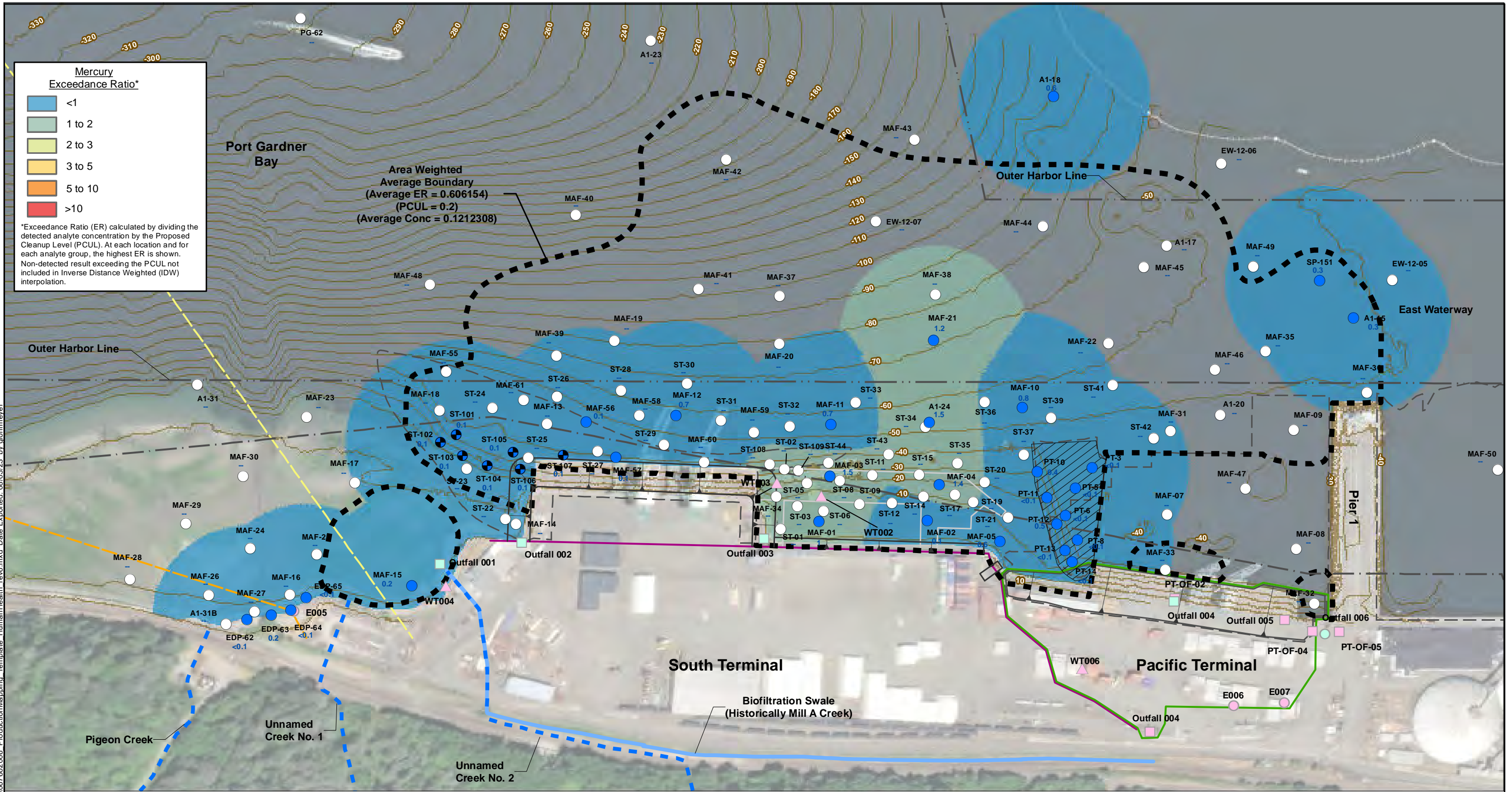
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Lead Results (Human Health)
 Subsurface Sediment (20-22 ft)**

**Weyerhaeuser Mill A Former
 Everett, Washington**

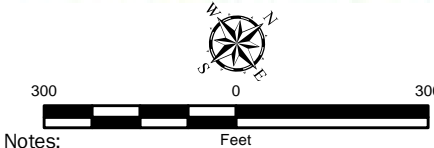
GEOENGINEERS

Figure Q-231



Area Weighted Average Boundary
(Average ER = 0.606154)
(PCUL = 0.2)
(Average Conc = 0.1212308)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Blue circle: Discreet Sample Result
 - White circle: No Sample/Result
 - Grey circle: Non-Detect Result Exceeds PCUL
 - Black circle: Composite Sample Result
 - Blue hatched area: Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22: Sample Location Identification Result
- Black rectangle: Construction Berm
- White rectangle: Historical Piling Area
- Black dashed line: Dredged Area
- Green rectangle: Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Orange dashed line: Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Yellow dashed line: Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Purple line: Bulkhead
- Brown line: Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Pink triangle: Historical Industrial Outfall (Abandoned)
- Pink circle: Former Combined Sewer Outfall (CSO, Abandoned)
- Pink square: Former Stormwater Outfall (Abandoned)
- Green circle: Current CSO
- Green square: Current Stormwater Outfall

**Mercury Results (Human Health)
Subsurface Sediment (0-2 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**


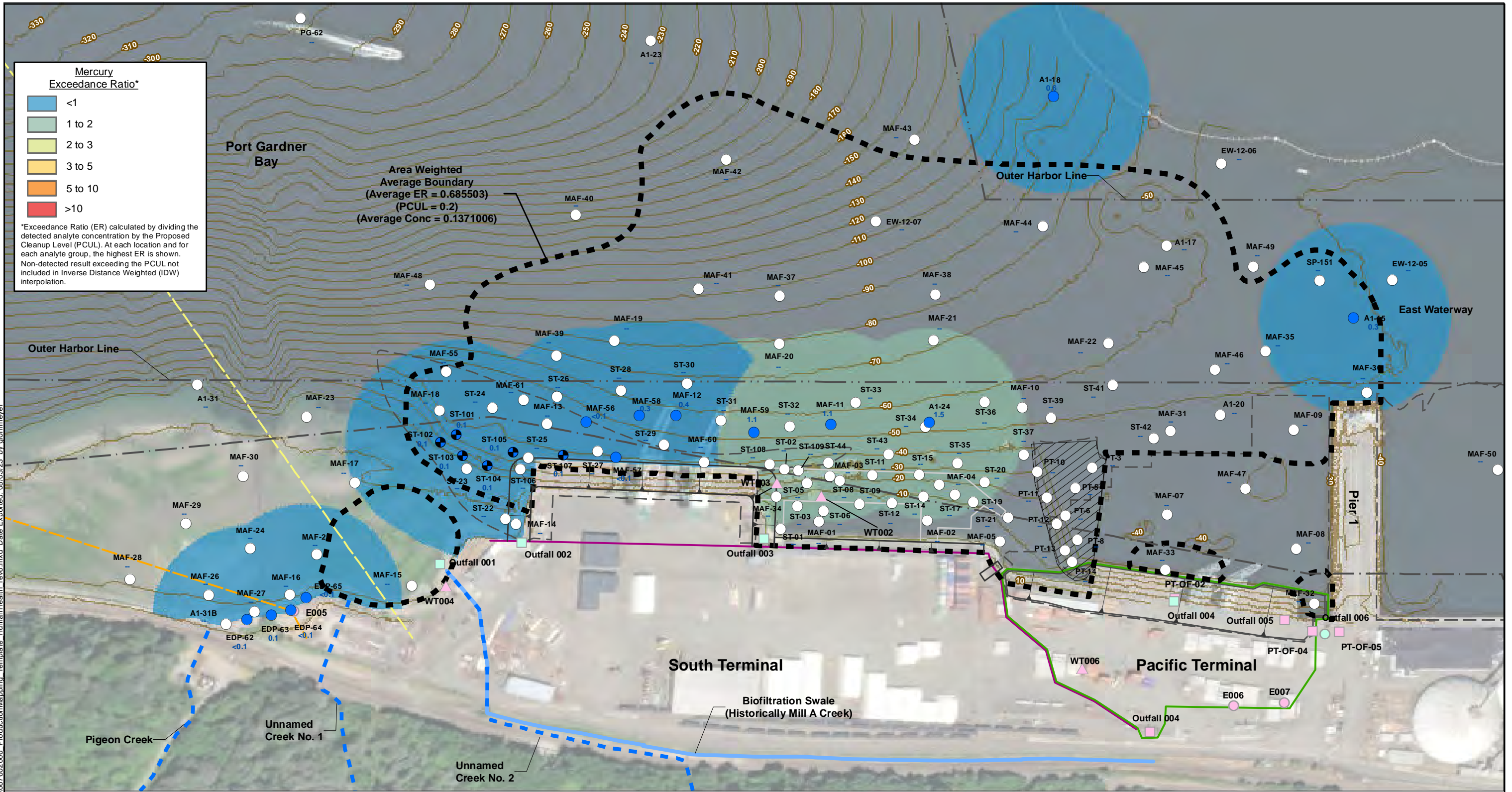


Figure Q-232



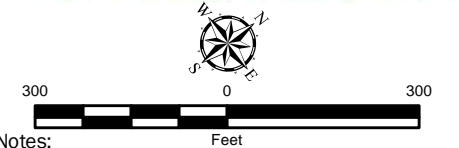
Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.685503)
 (PCUL = 0.2)
 (Average Conc = 0.1371006)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

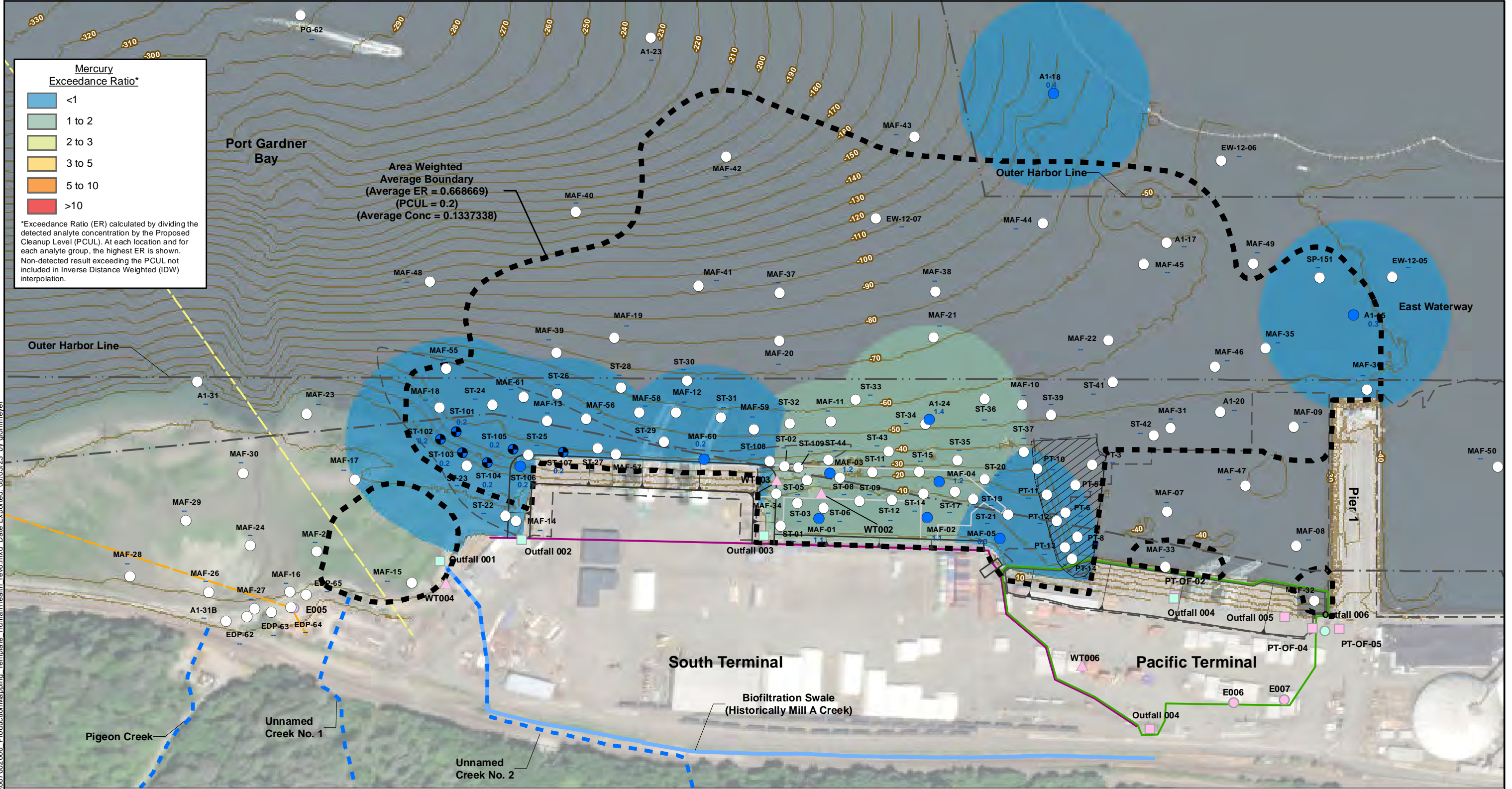
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Mercury Results (Human Health)
Subsurface Sediment (2-4 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-233



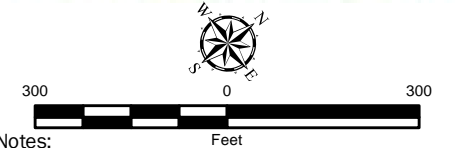
Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.668669)
(PCUL = 0.2)
(Average Conc = 0.1337338)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

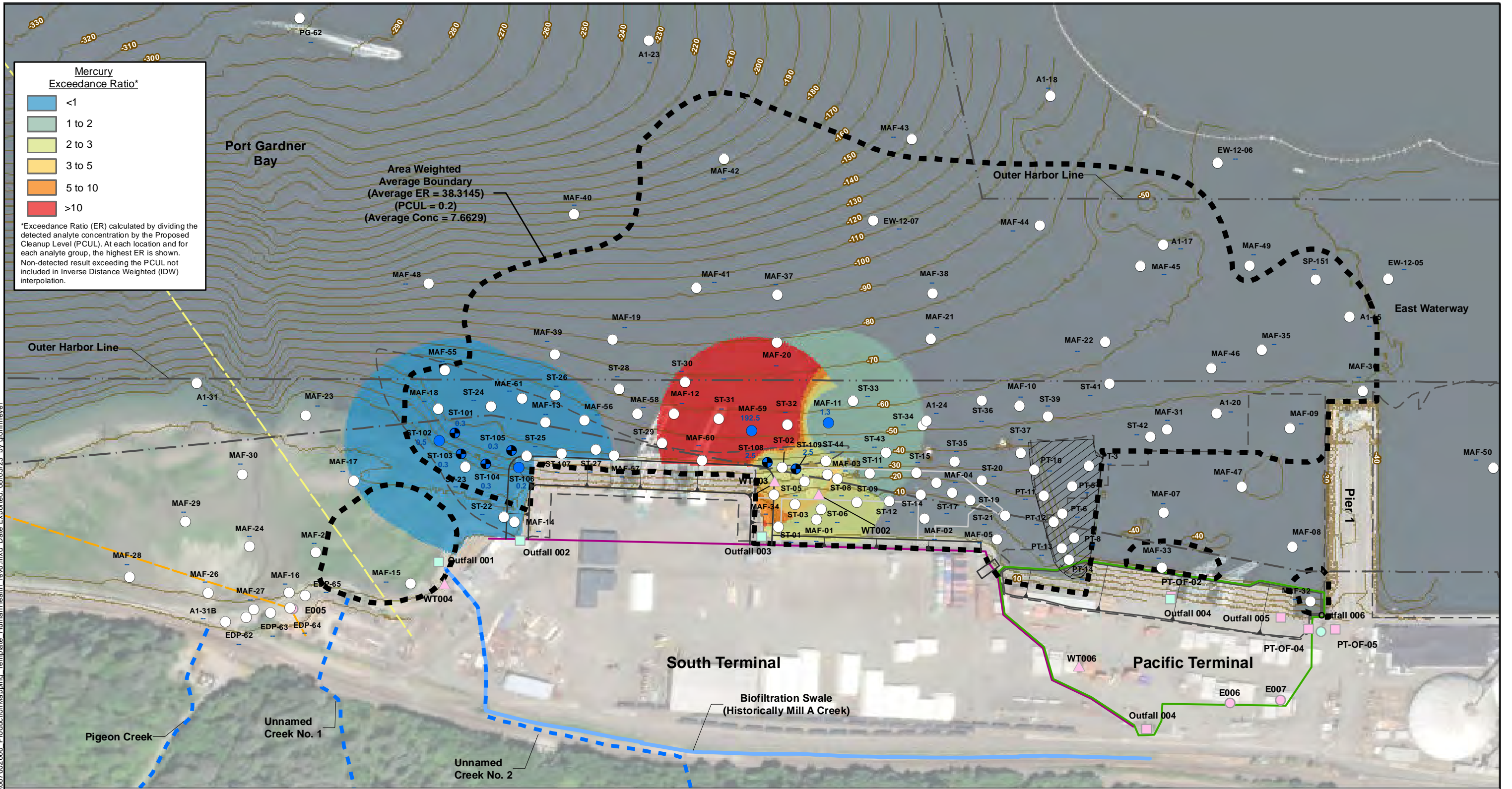
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Human Health)
Subsurface Sediment (4-6 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-234



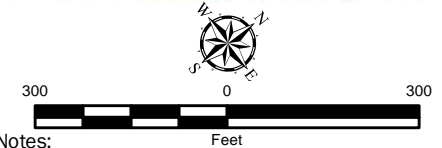
Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 38.3145)
 (PCUL = 0.2)
 (Average Conc = 7.6629)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

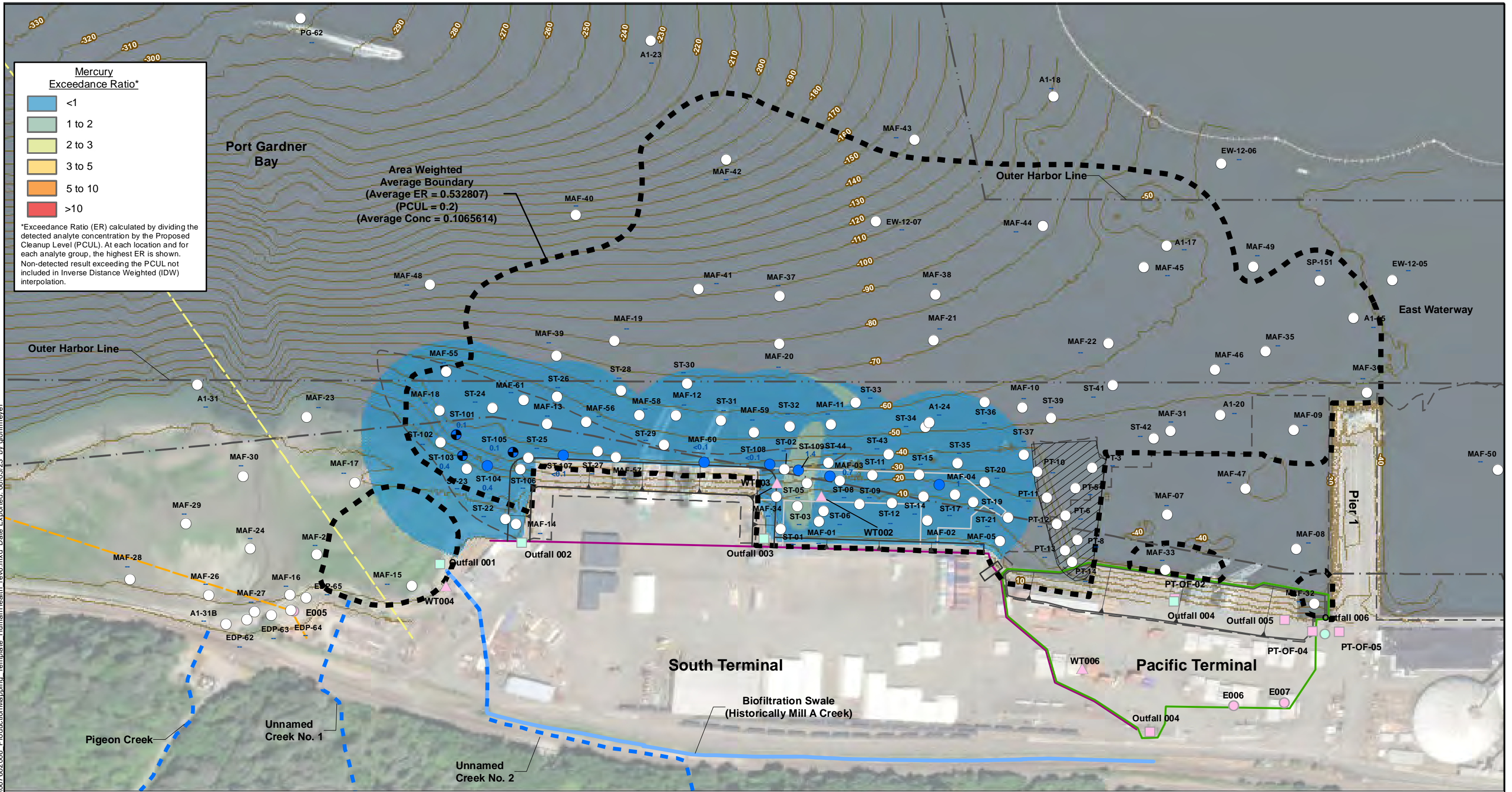
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Mercury Results (Human Health)
Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

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Figure Q-235



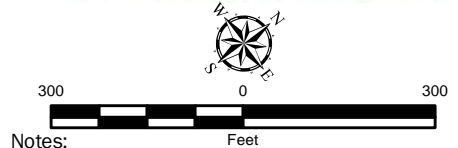
Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.532807)
 (PCUL = 0.2)
 (Average Conc = 0.1065614)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

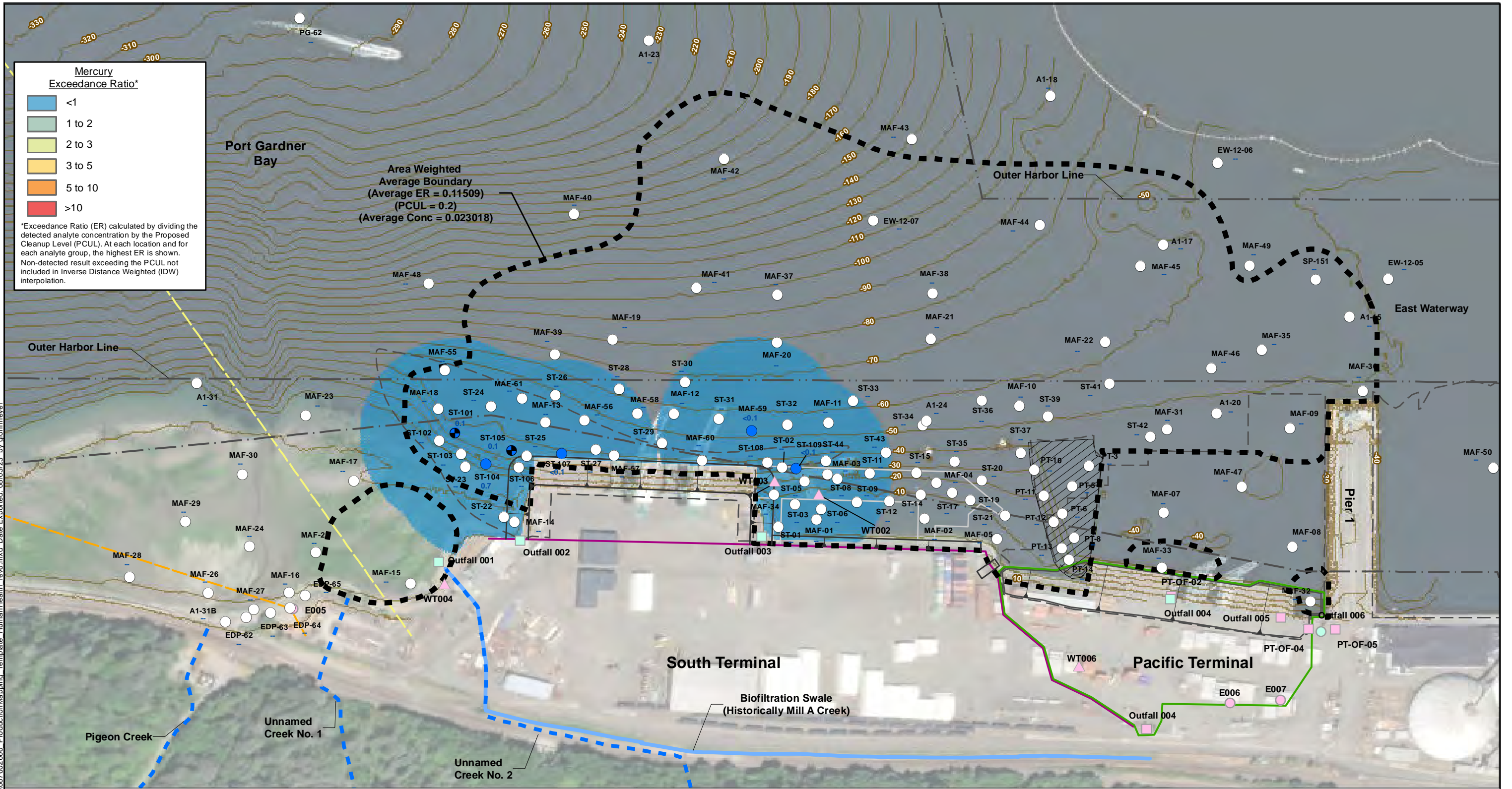
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Mercury Results (Human Health)
Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-236



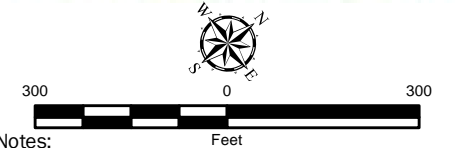
Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.11509)
(PCUL = 0.2)
(Average Conc = 0.023018)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

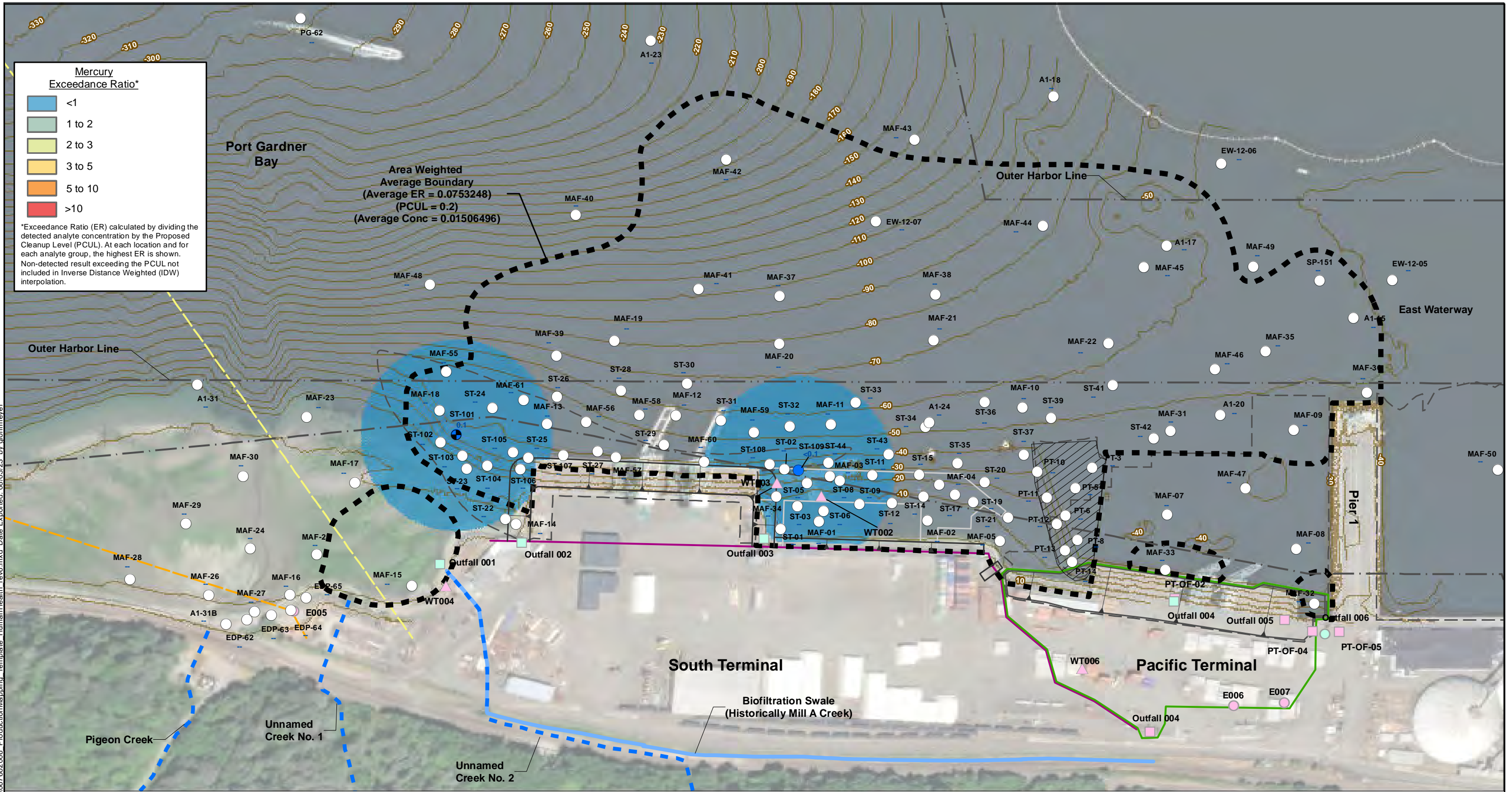
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Human Health)
Subsurface Sediment (10-12 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-237



Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0753248)
 (PCUL = 0.2)
 (Average Conc = 0.01506496)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

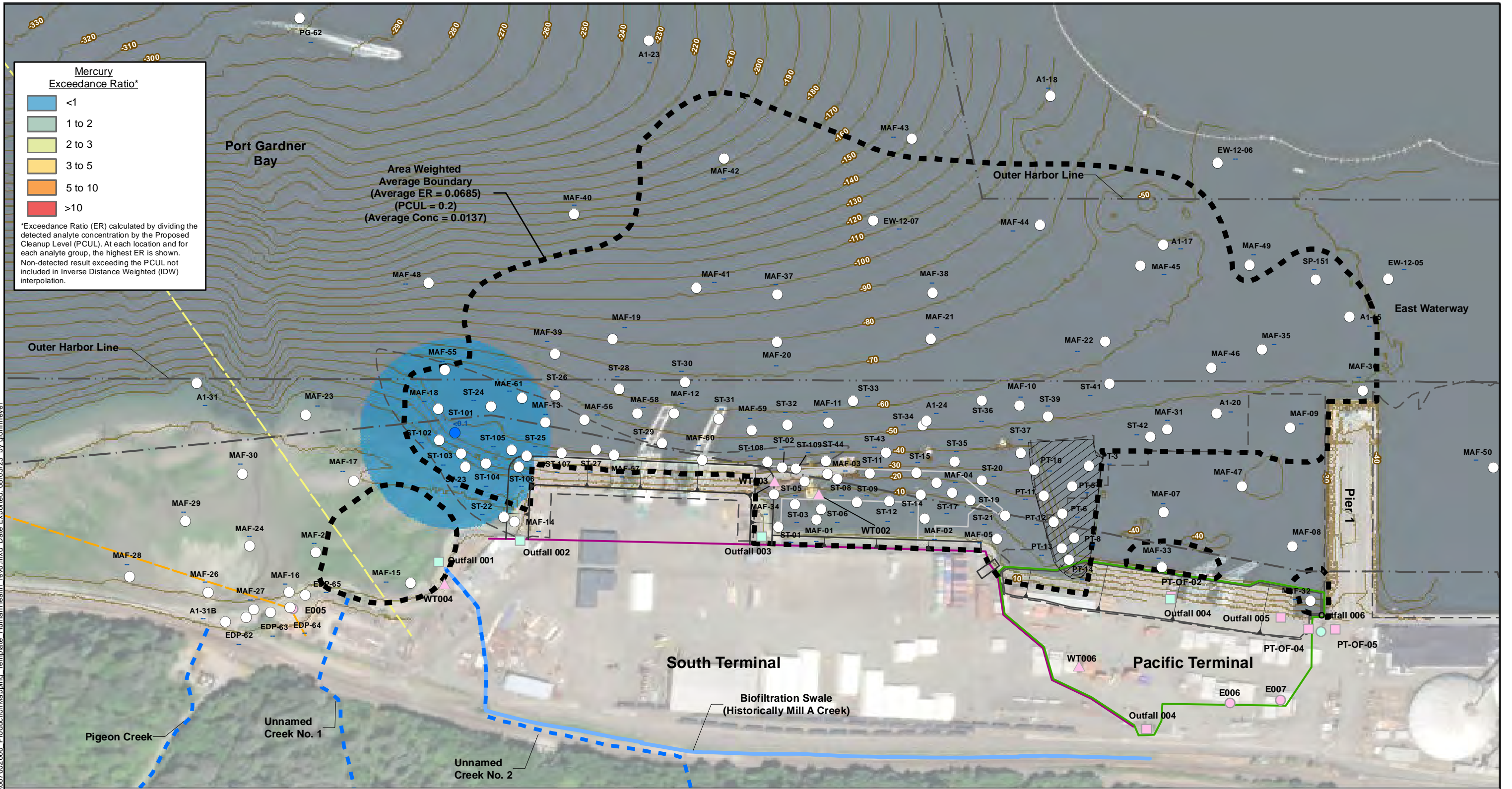
- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Mercury Results (Human Health)
Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

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Figure Q-238



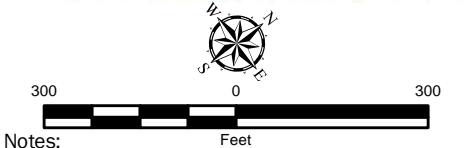
Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.0685)
(PCUL = 0.2)
(Average Conc = 0.0137)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

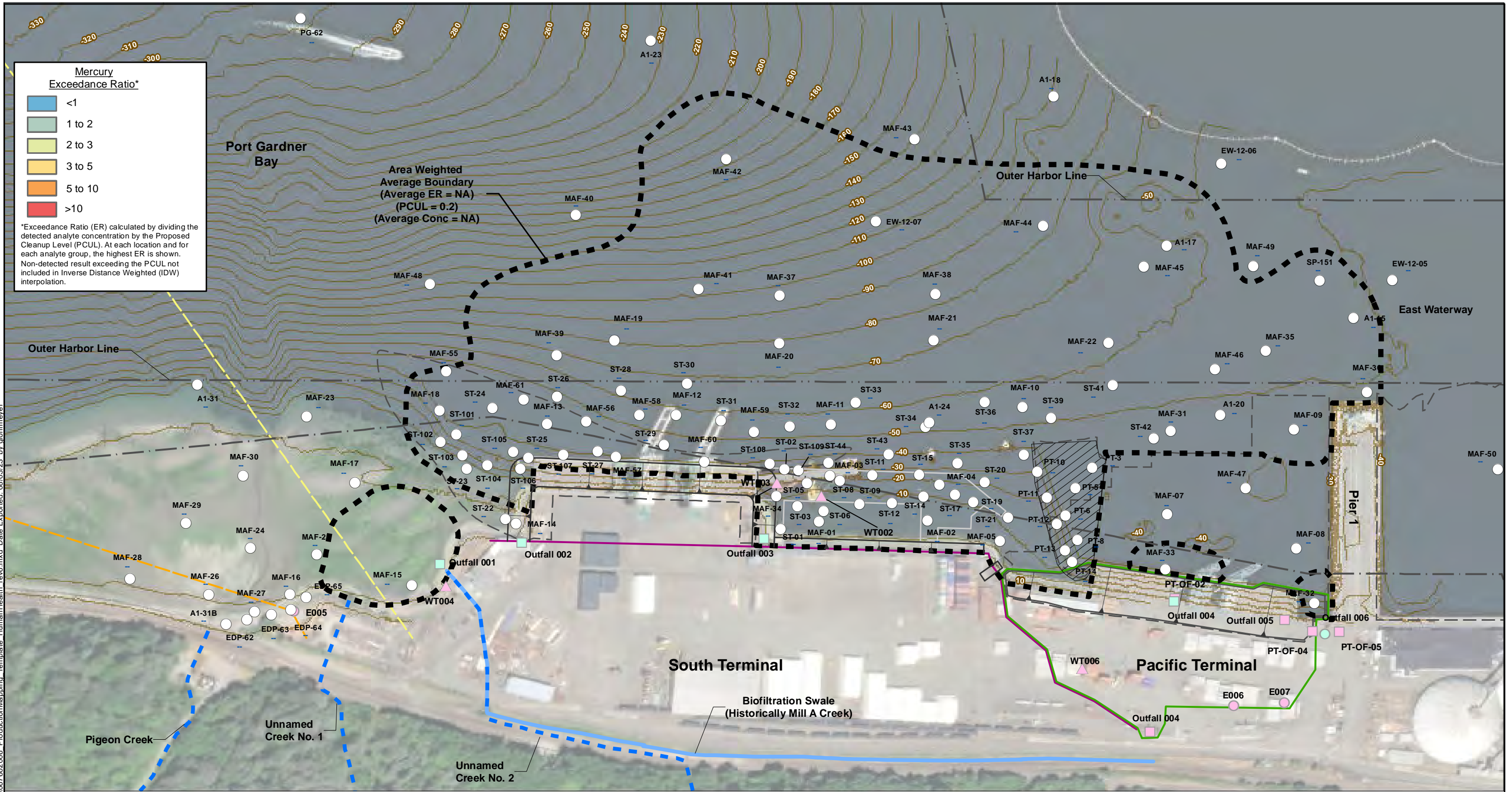
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Mercury Results (Human Health)
Subsurface Sediment (14-16 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-239



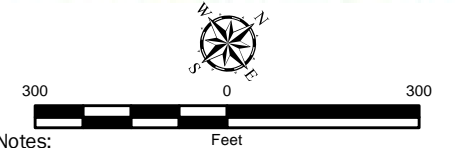
Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 0.2) (Average Conc = NA)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

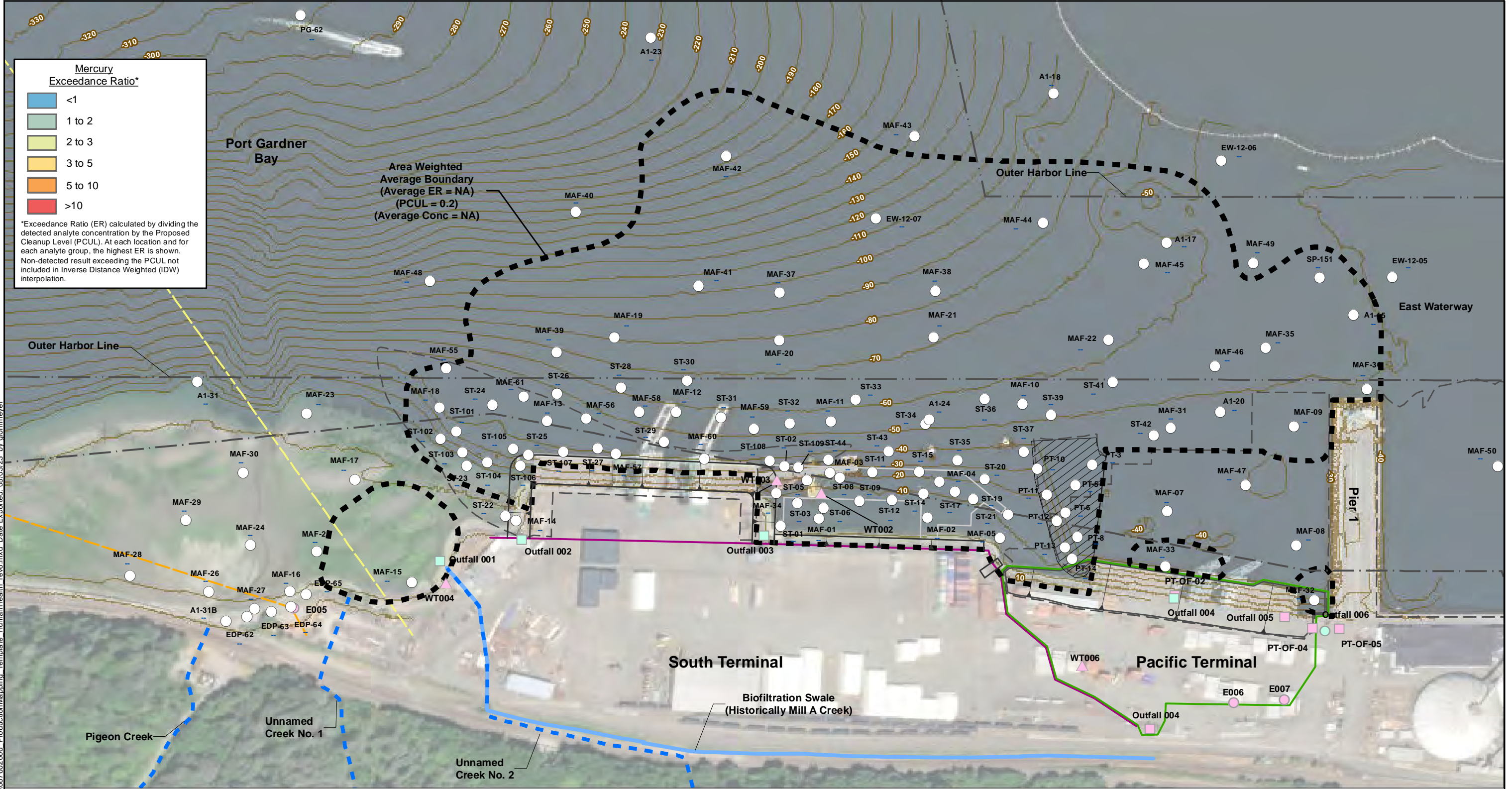
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Mercury Results (Human Health)
Subsurface Sediment (16-18 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

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Figure Q-240



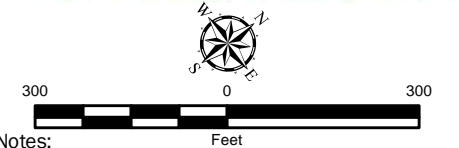
Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 0.2) (Average Conc = NA)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

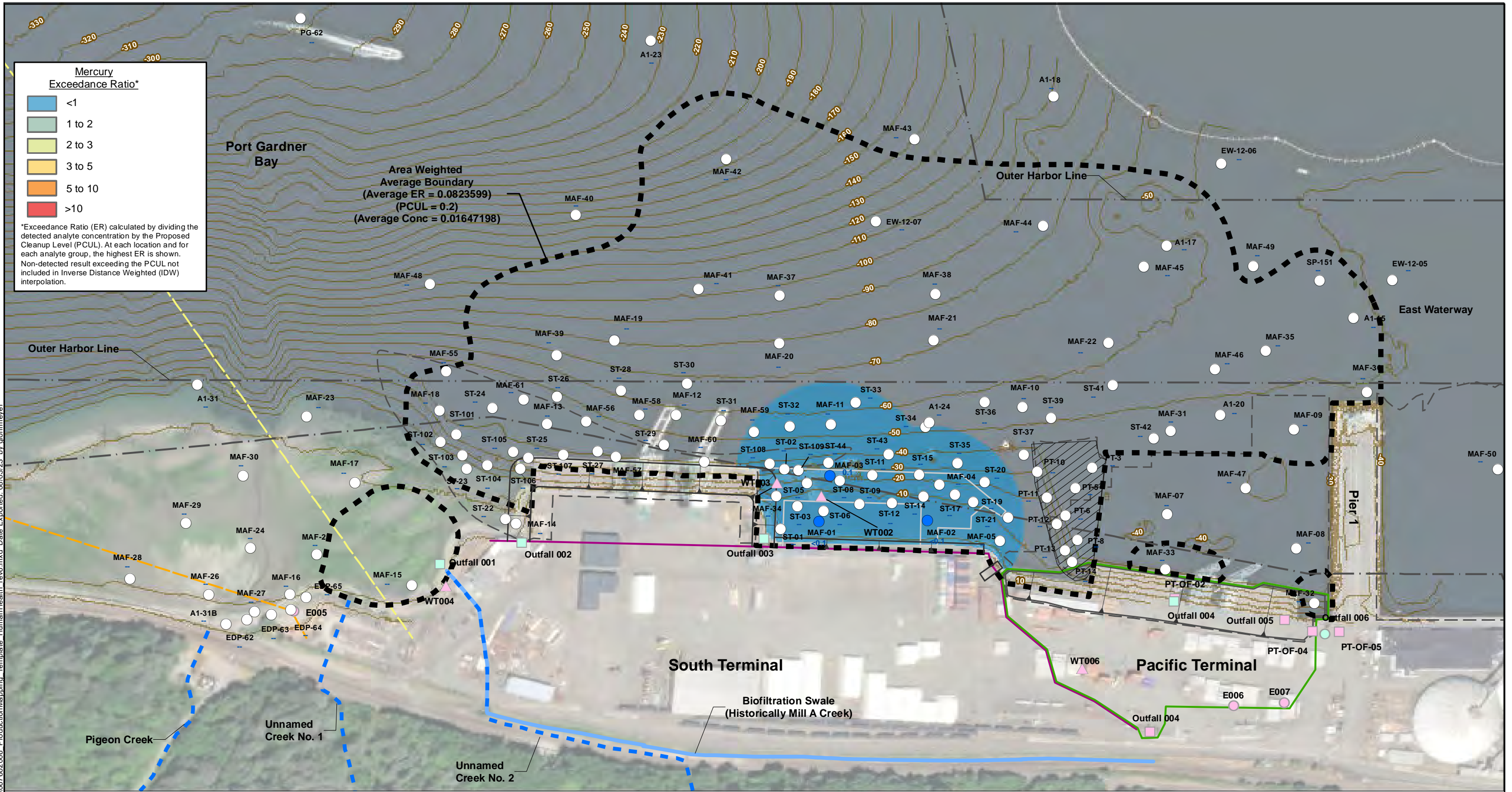
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Mercury Results (Human Health)
Subsurface Sediment (18-20 ft)**

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS

Figure Q-241



Mercury Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0823599)
 (PCUL = 0.2)
 (Average Conc = 0.01647198)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

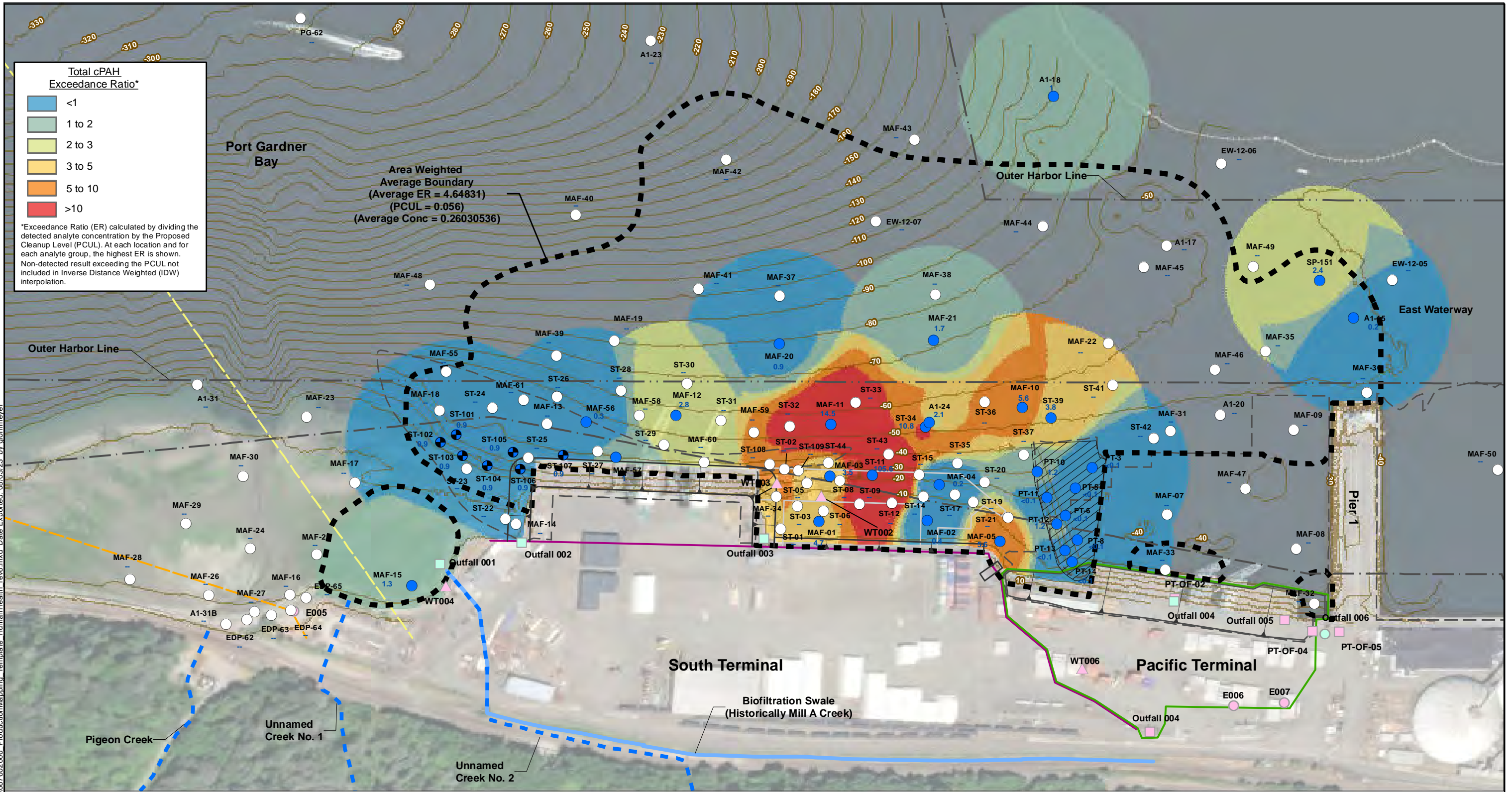
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Mercury Results (Human Health)
Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

GEOENGINEERS

Figure Q-242



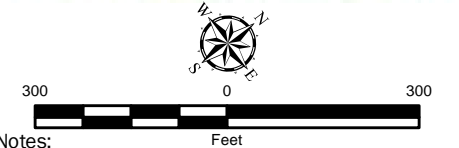
Total cPAH Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 4.64831)
 (PCUL = 0.056)
 (Average Conc = 0.26030536)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

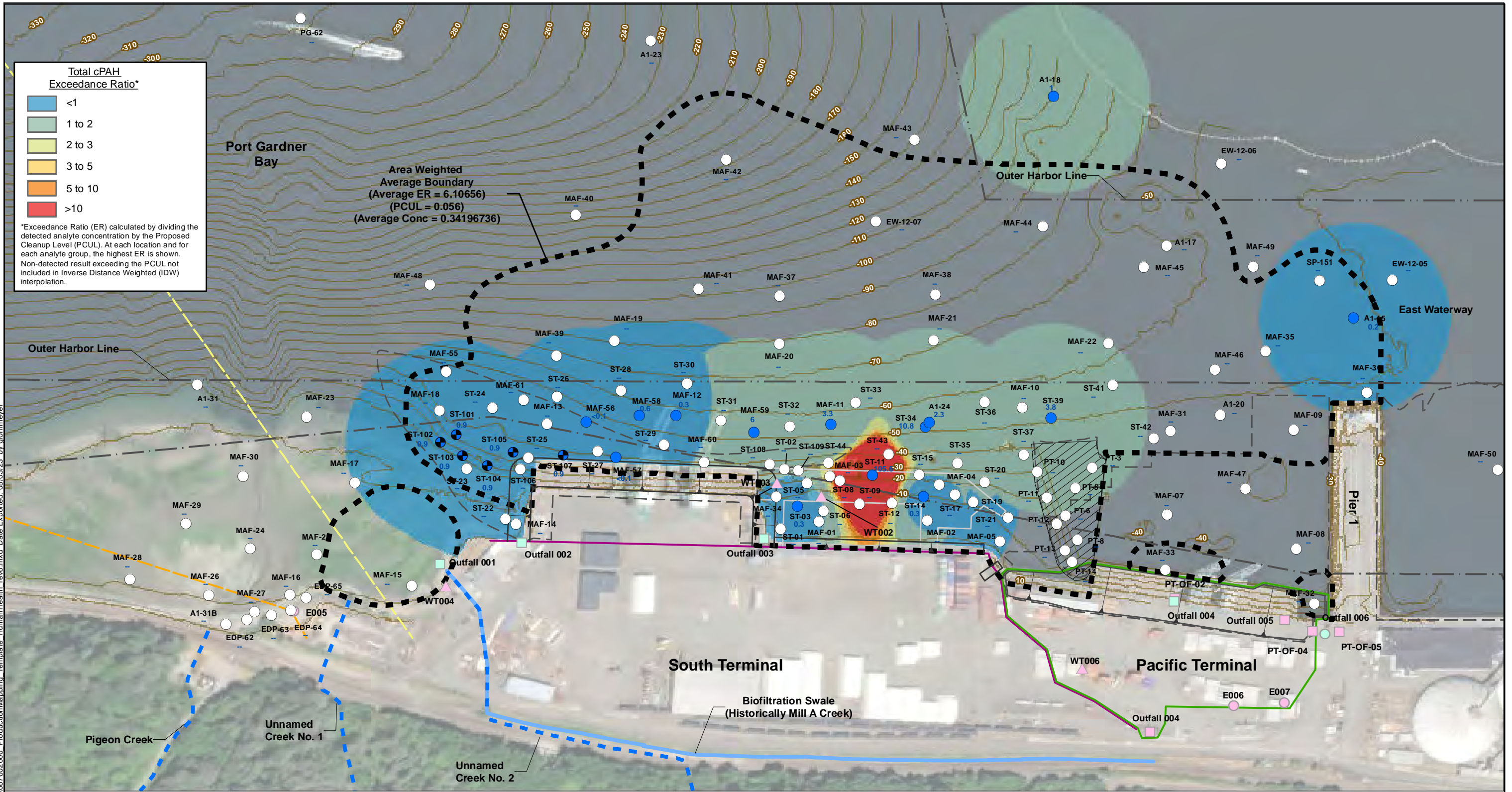
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total cPAH Results (Human Health)
Subsurface Sediment (0-2 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-243



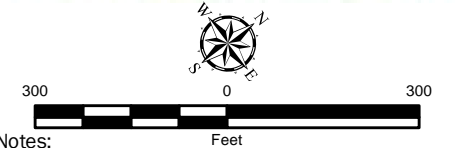
Total cPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 6.10656)
 (PCUL = 0.056)
 (Average Conc = 0.34196736)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

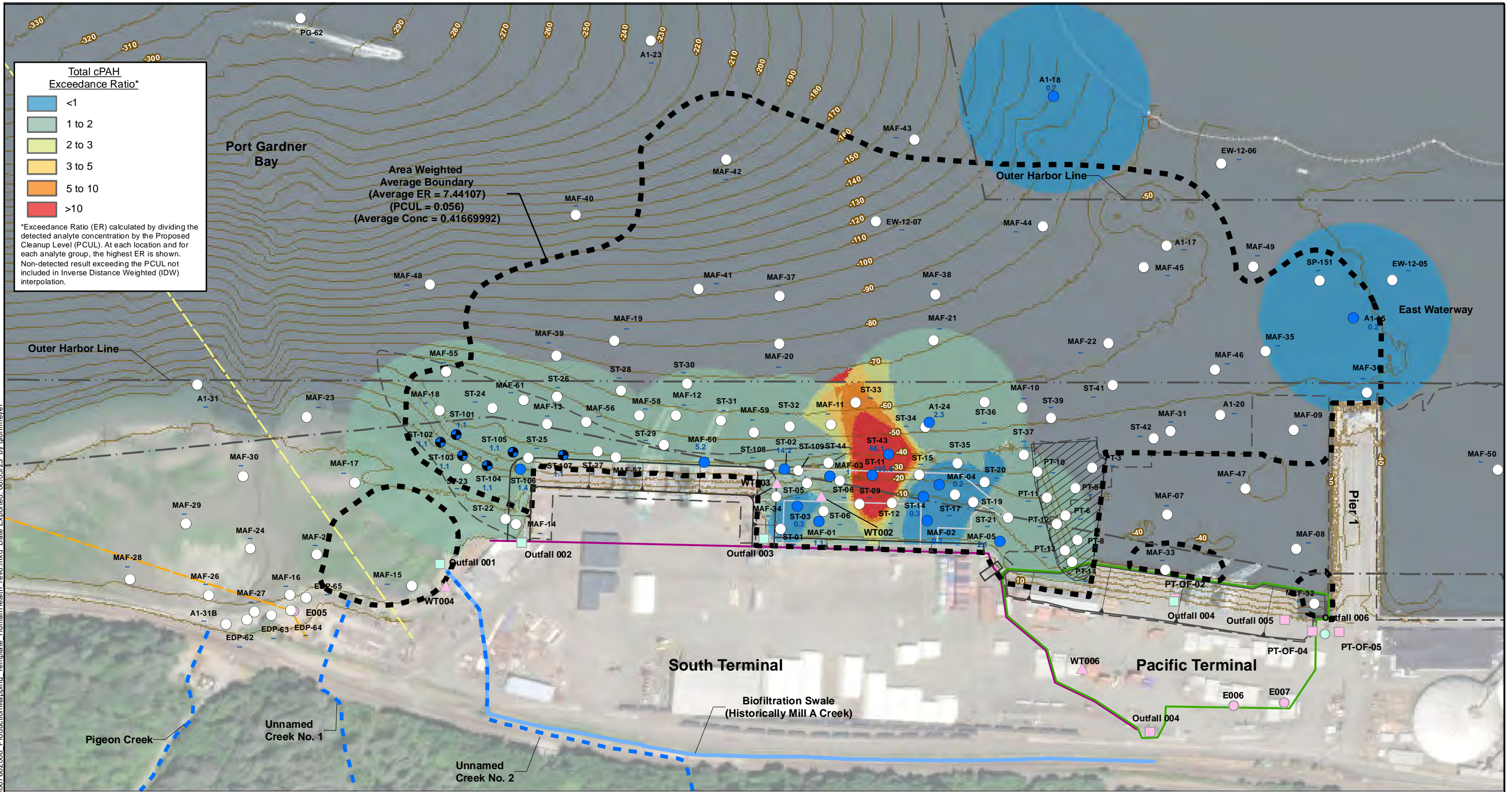
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total cPAH Results (Human Health)
Subsurface Sediment (2-4 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-244



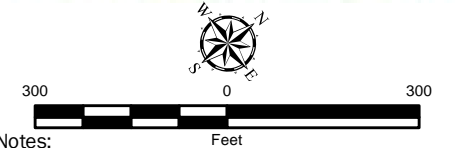
Total cPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 7.44107)
 (PCUL = 0.056)
 (Average Conc = 0.41669992)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

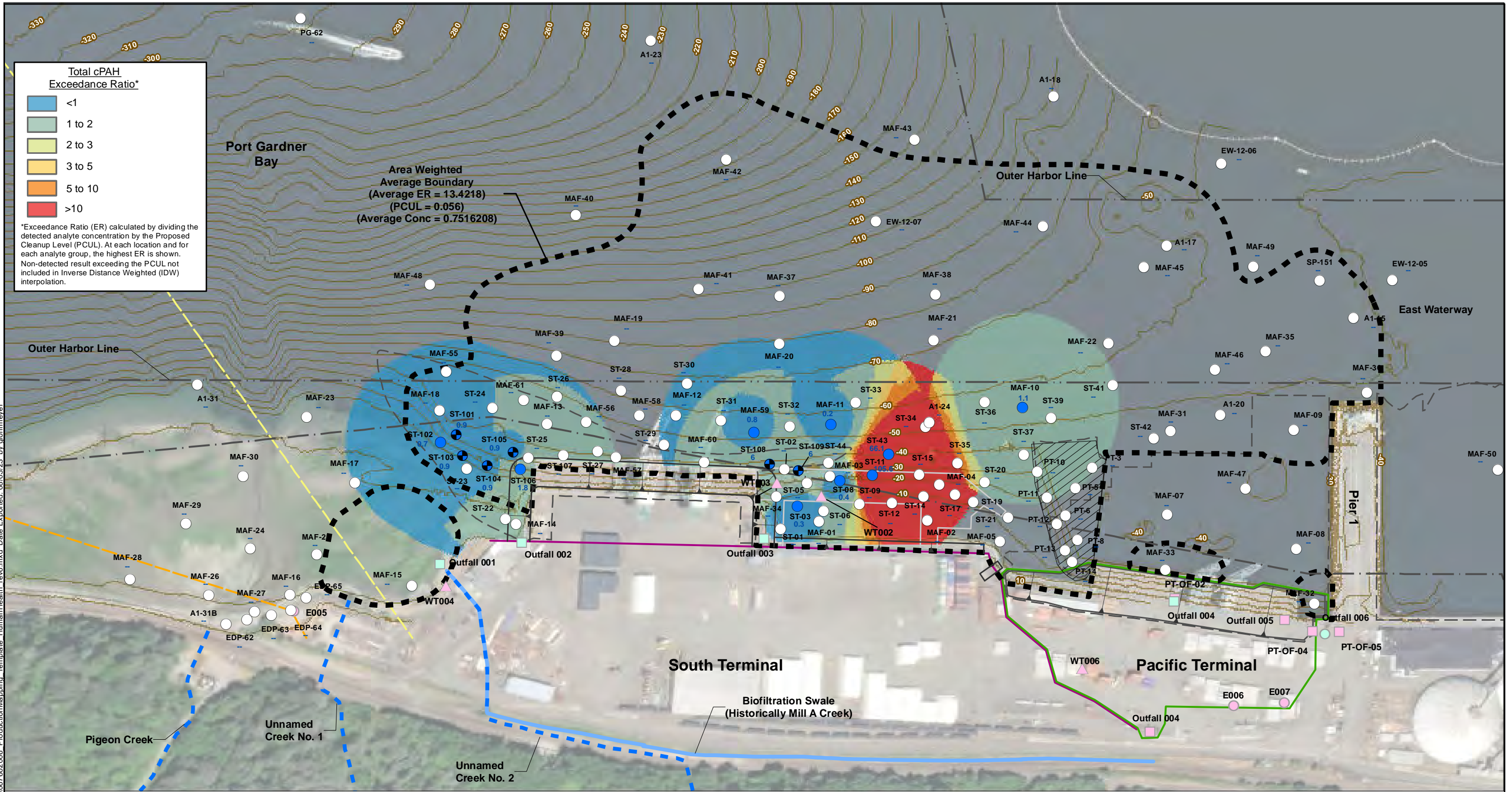
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Total cPAH Results (Human Health)
Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS **Figure Q-245**



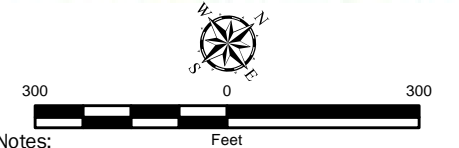
Total cPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 13.4218)
 (PCUL = 0.056)
 (Average Conc = 0.7516208)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

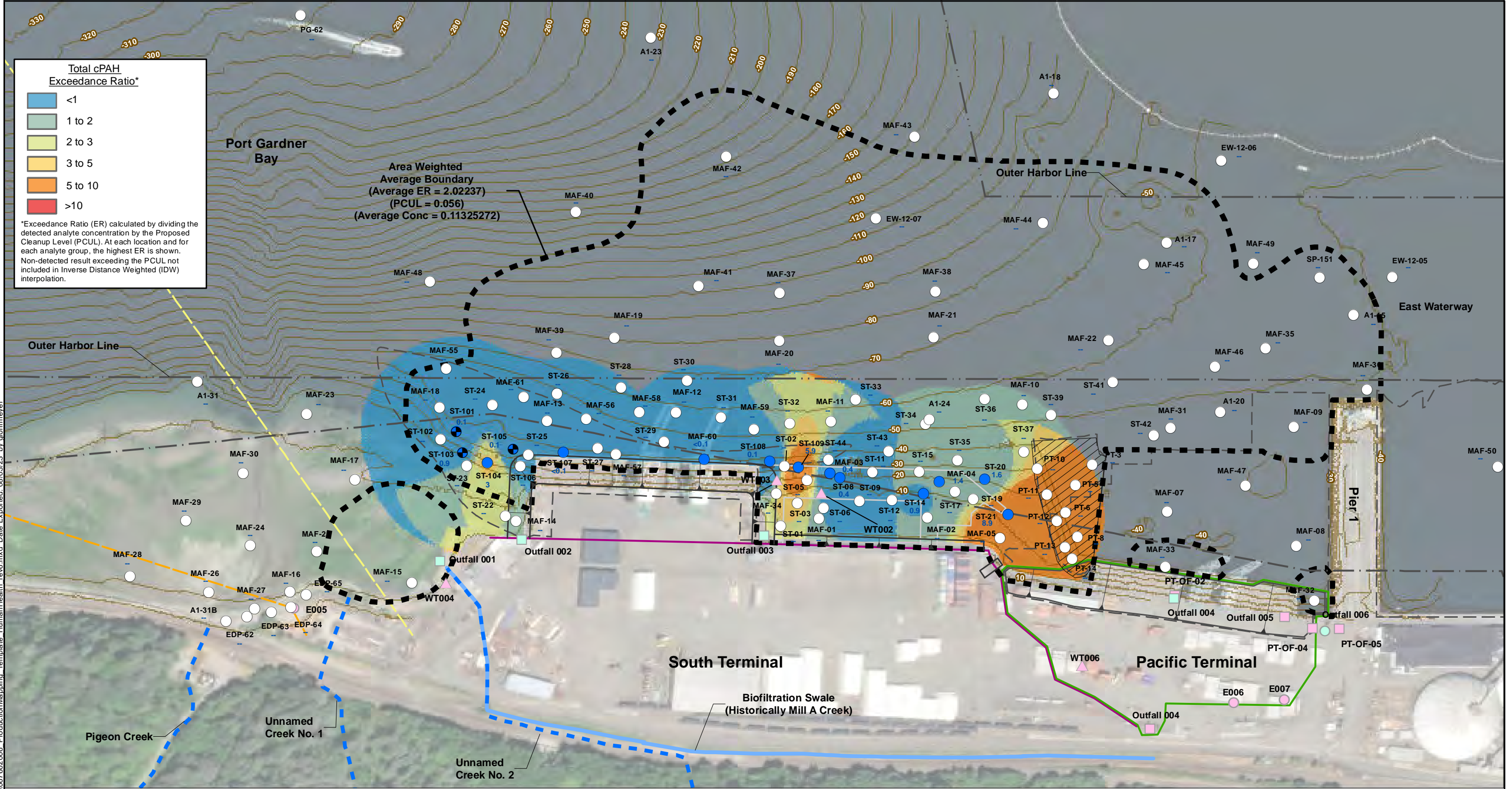
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Total cPAH Results (Human Health)
 Subsurface Sediment (6-8 ft)**

**Weyerhaeuser Mill A Former
 Everett, Washington**

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Figure Q-246



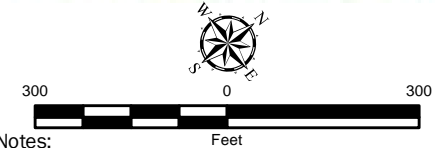
Total cPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 2.02237)
 (PCUL = 0.056)
 (Average Conc = 0.11325272)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

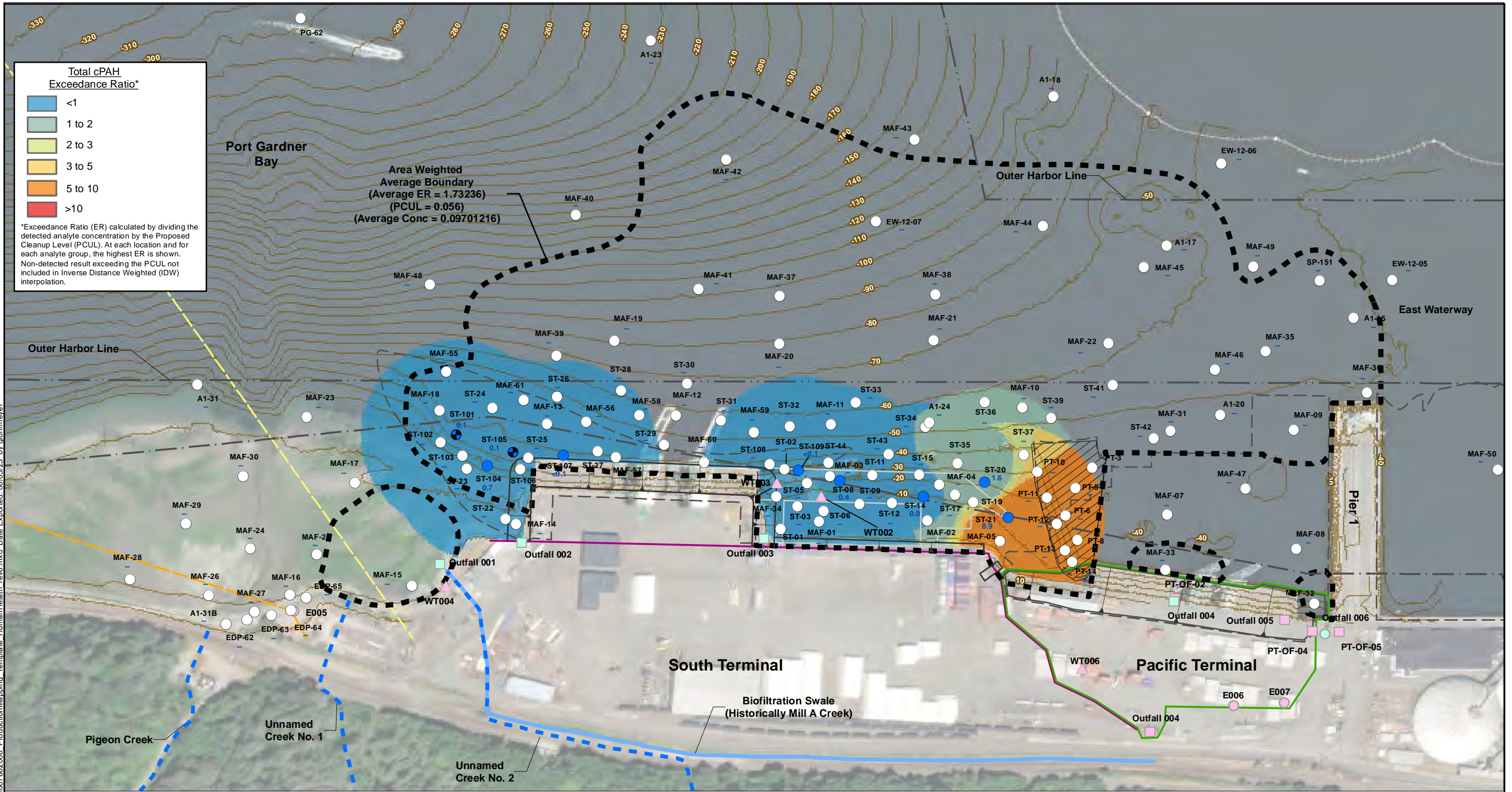
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|---|---------------------|
| Total cPAH Results (Human Health) | |
| Subsurface Sediment (8-10 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-247 |



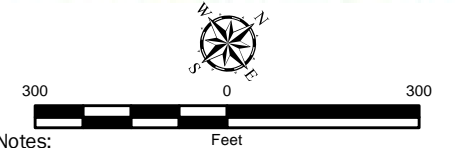
Total cPAH Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 1.73236)
 (PCUL = 0.056)
 (Average Conc = 0.09701216)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

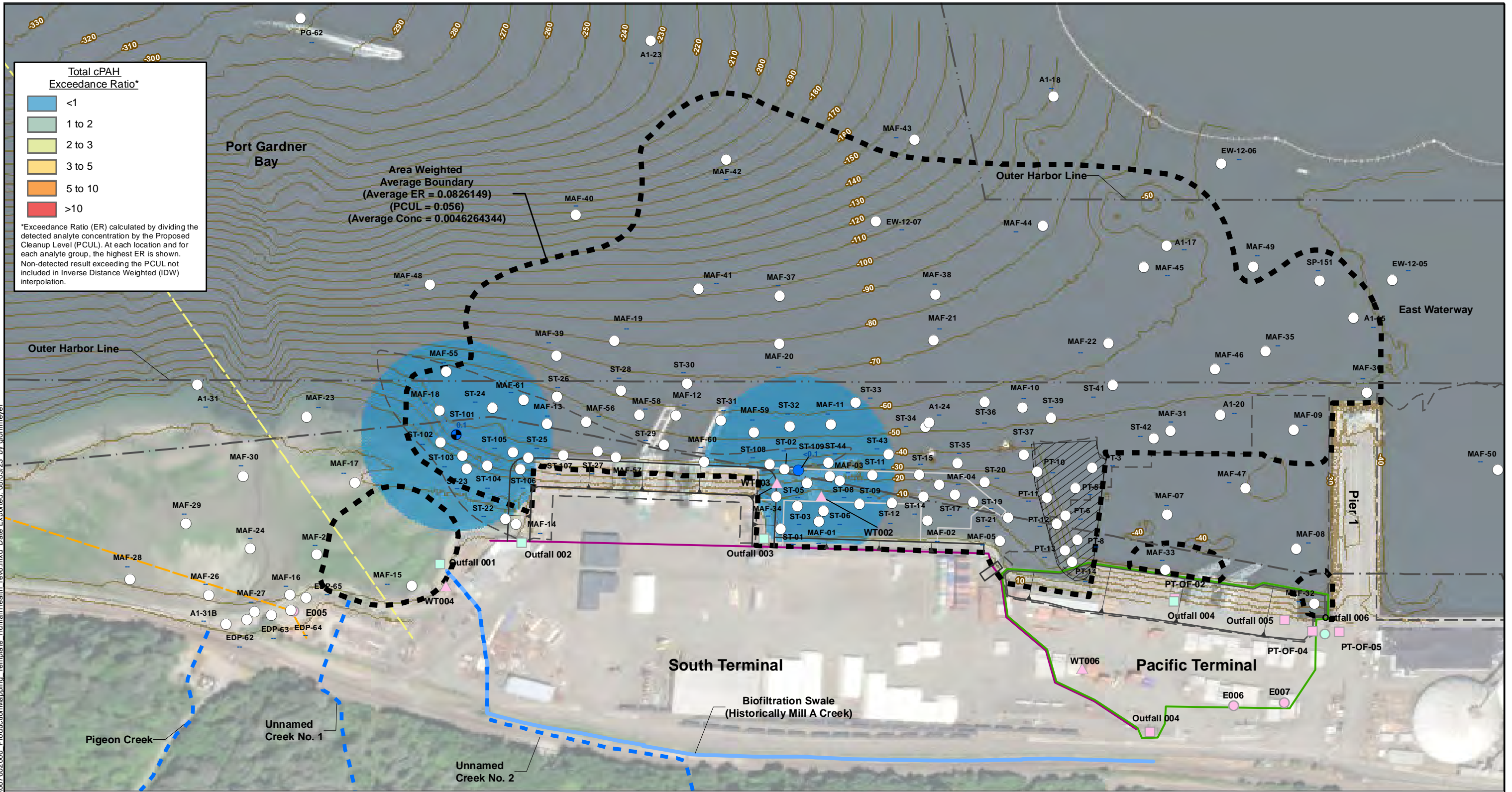
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Total cPAH Results (Human Health)
 Subsurface Sediment (10-12 ft)**

**Weyerhaeuser Mill A Former
 Everett, Washington**

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Figure Q-248



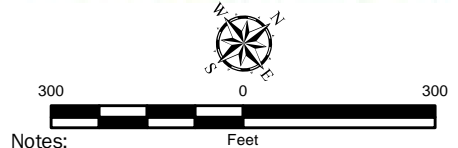
Total cPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0826149)
 (PCUL = 0.056)
 (Average Conc = 0.0046264344)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

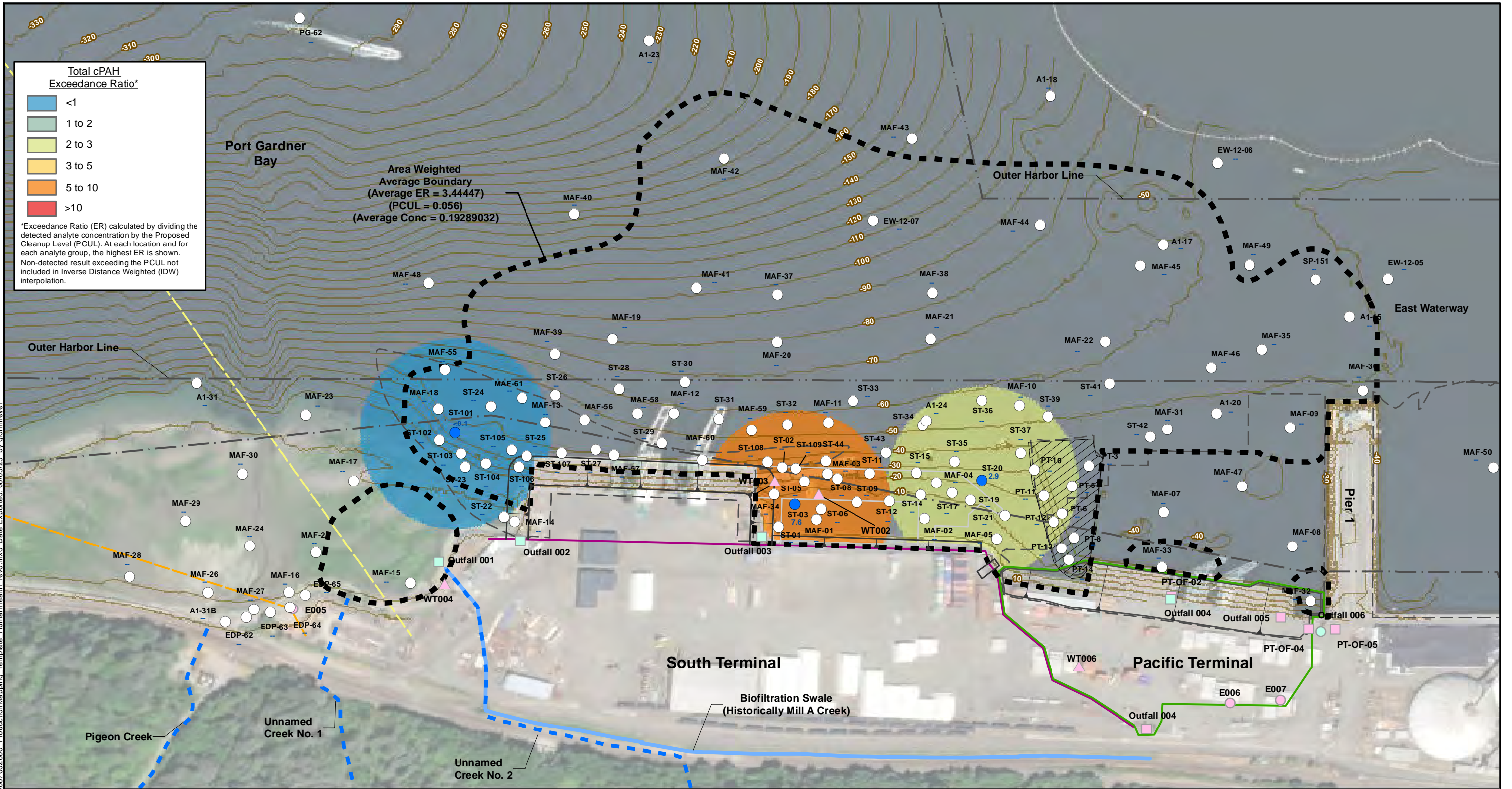
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|---|---------------------|
| Total cPAH Results (Human Health) Subsurface Sediment (12-14 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-249 |



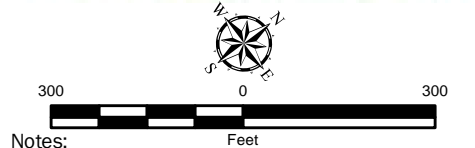
Total cPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 3.44447)
 (PCUL = 0.056)
 (Average Conc = 0.19289032)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

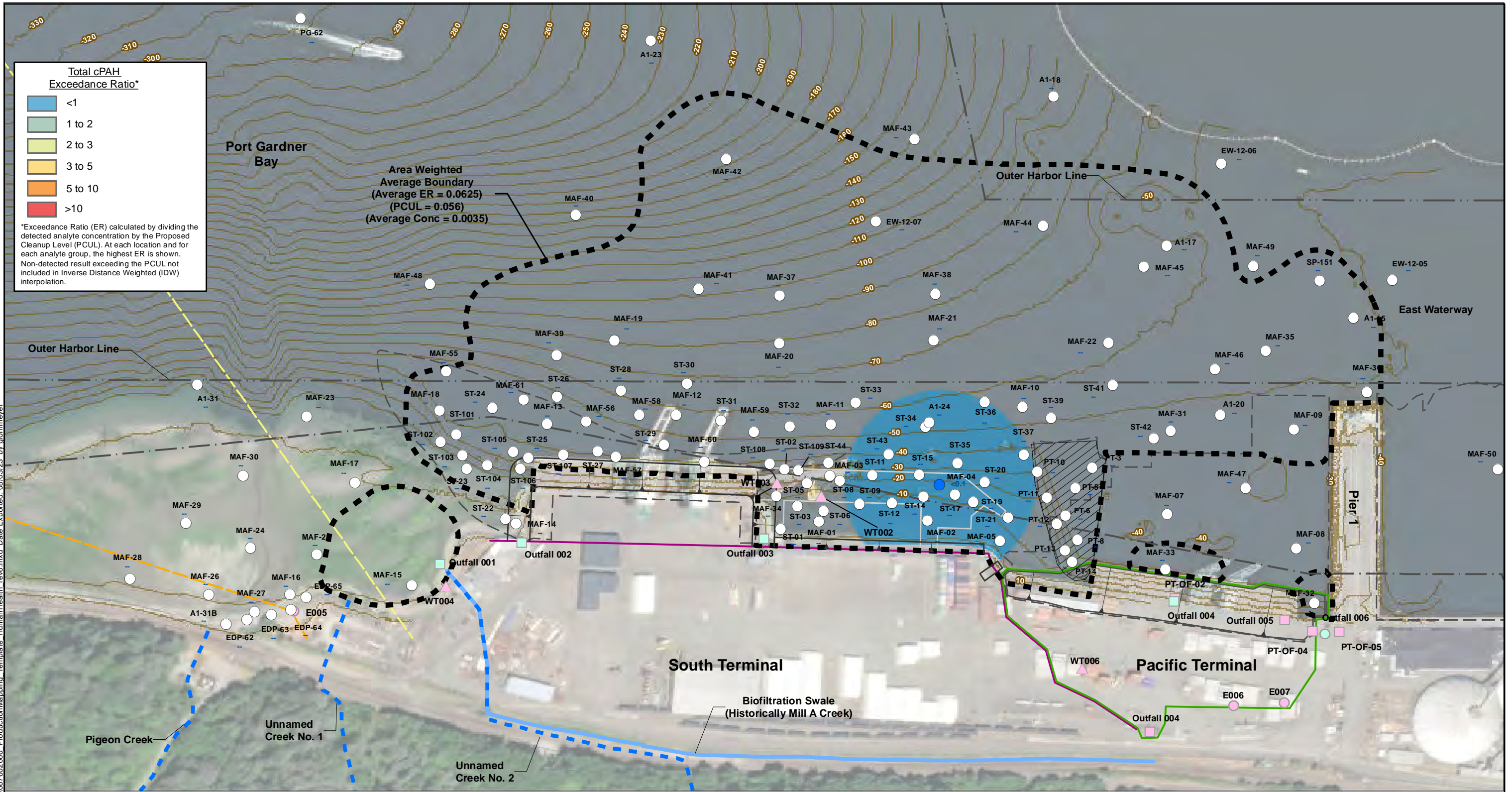
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

| | |
|---|---------------------|
| Total cPAH Results (Human Health) Subsurface Sediment (14-16 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-250 |



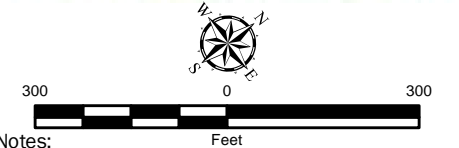
Total cPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0625)
 (PCUL = 0.056)
 (Average Conc = 0.0035)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

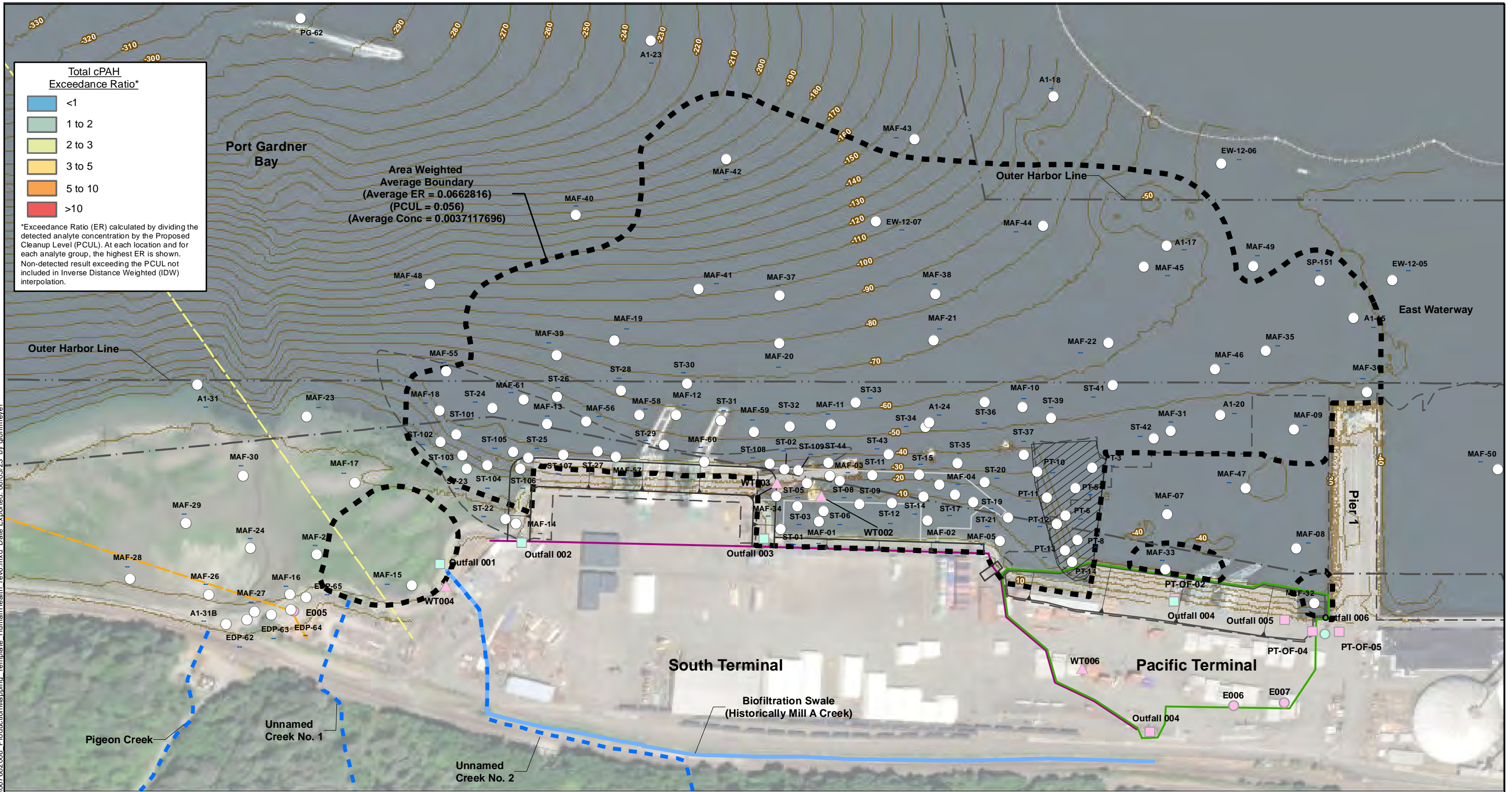
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

| | |
|---|---------------------|
| Total cPAH Results (Human Health) Subsurface Sediment (16-18 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-251 |



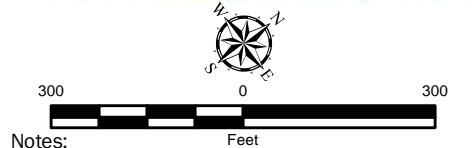
Total cPAH Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0662816)
 (PCUL = 0.056)
 (Average Conc = 0.0037117696)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

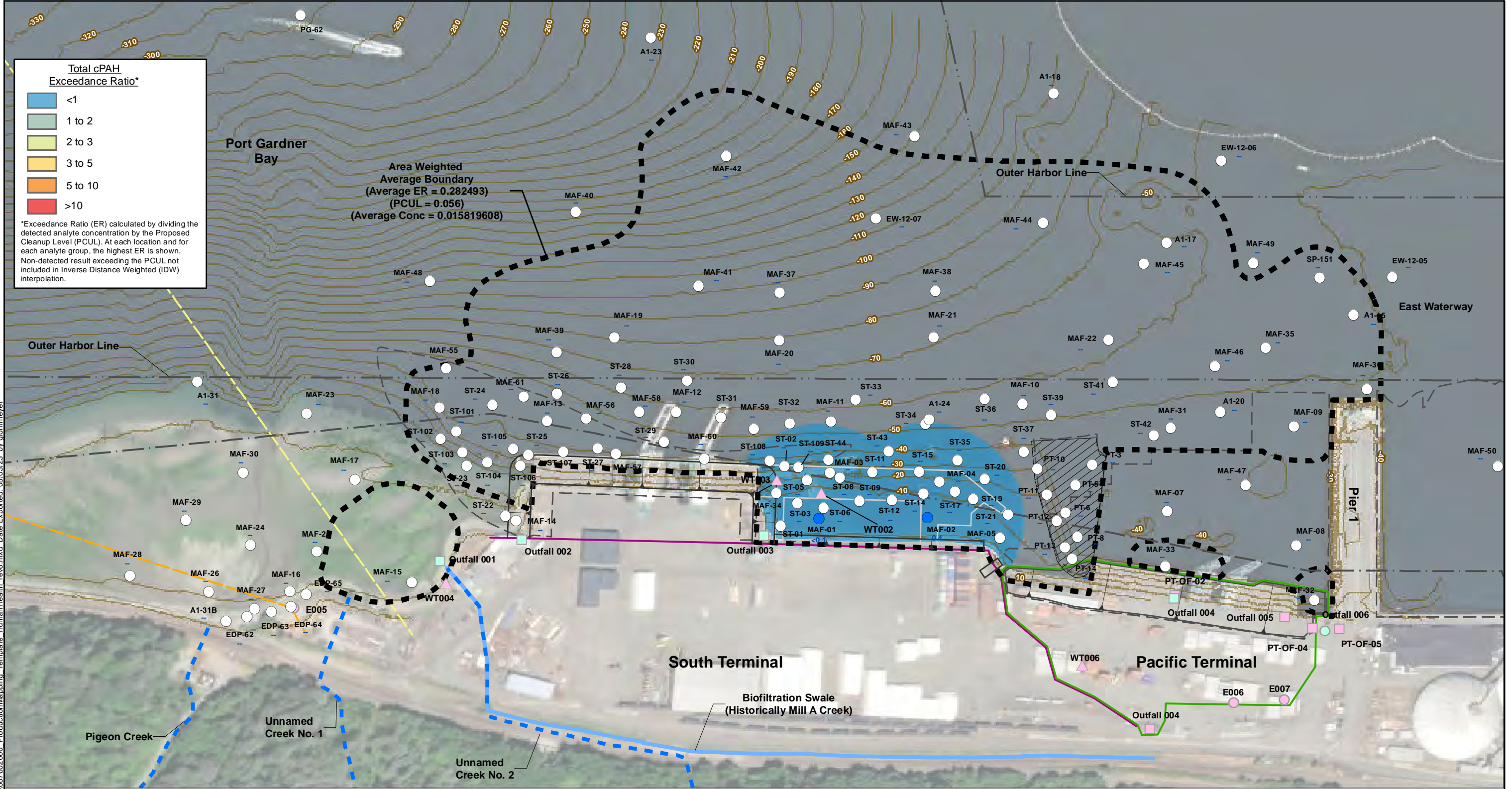
- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

| | |
|---|---------------------|
| Total cPAH Results (Human Health) Subsurface Sediment (18-20 ft) | |
| Weyerhaeuser Mill A Former Everett, Washington | |
| | Figure Q-252 |



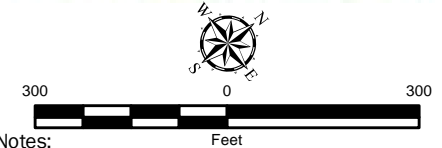
Total cPAH Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.282493)
 (PCUL = 0.056)
 (Average Conc = 0.015819608)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

- 1.22
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

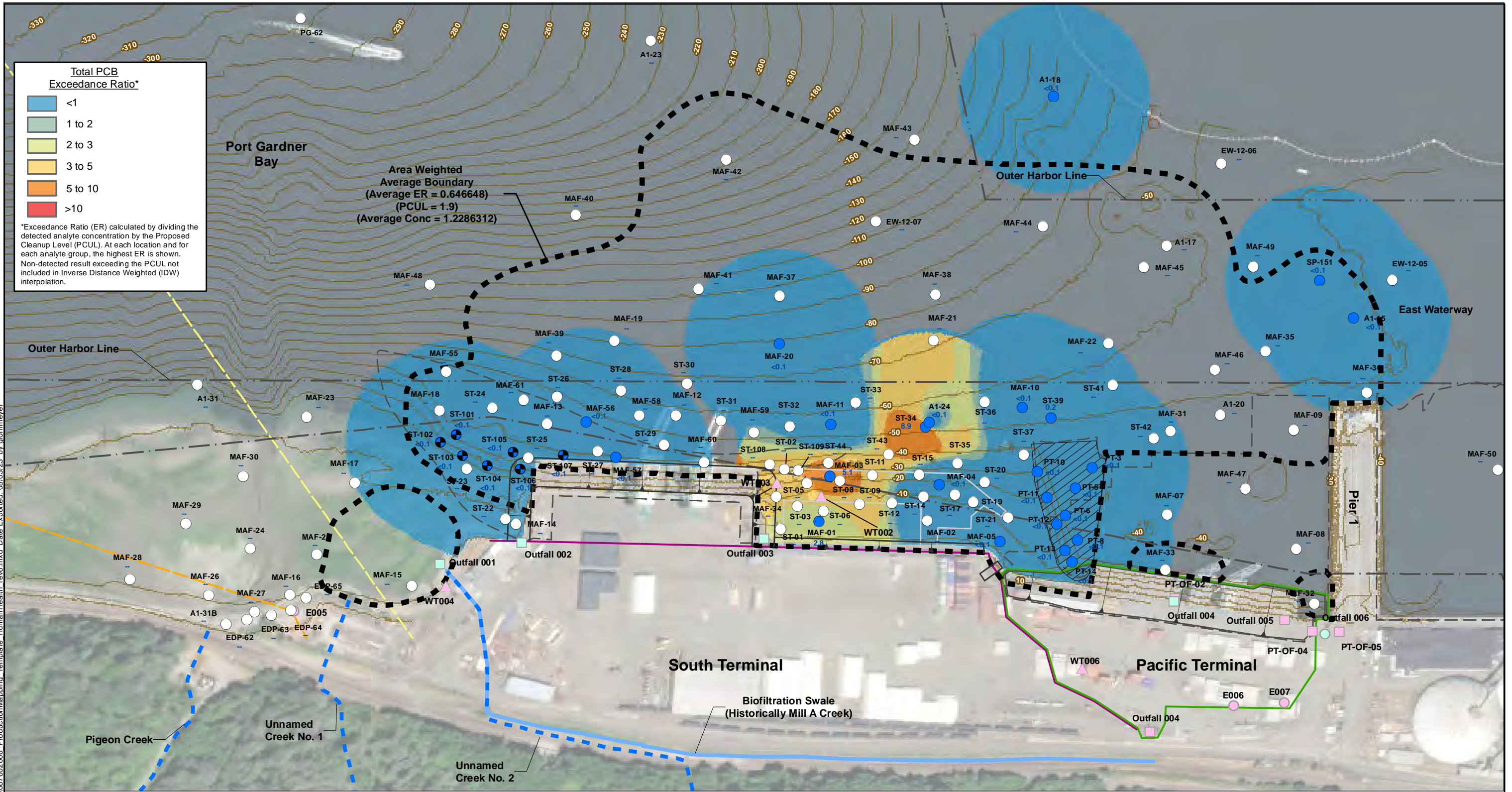
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

**Total cPAH Results (Human Health)
 Subsurface Sediment (20-22 ft)**

**Weyerhaeuser Mill A Former
 Everett, Washington**

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Figure Q-253



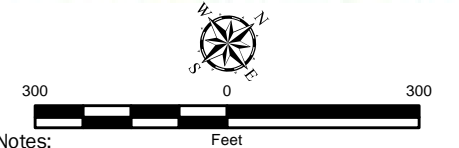
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.646648)
 (PCUL = 1.9)
 (Average Conc = 1.2286312)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

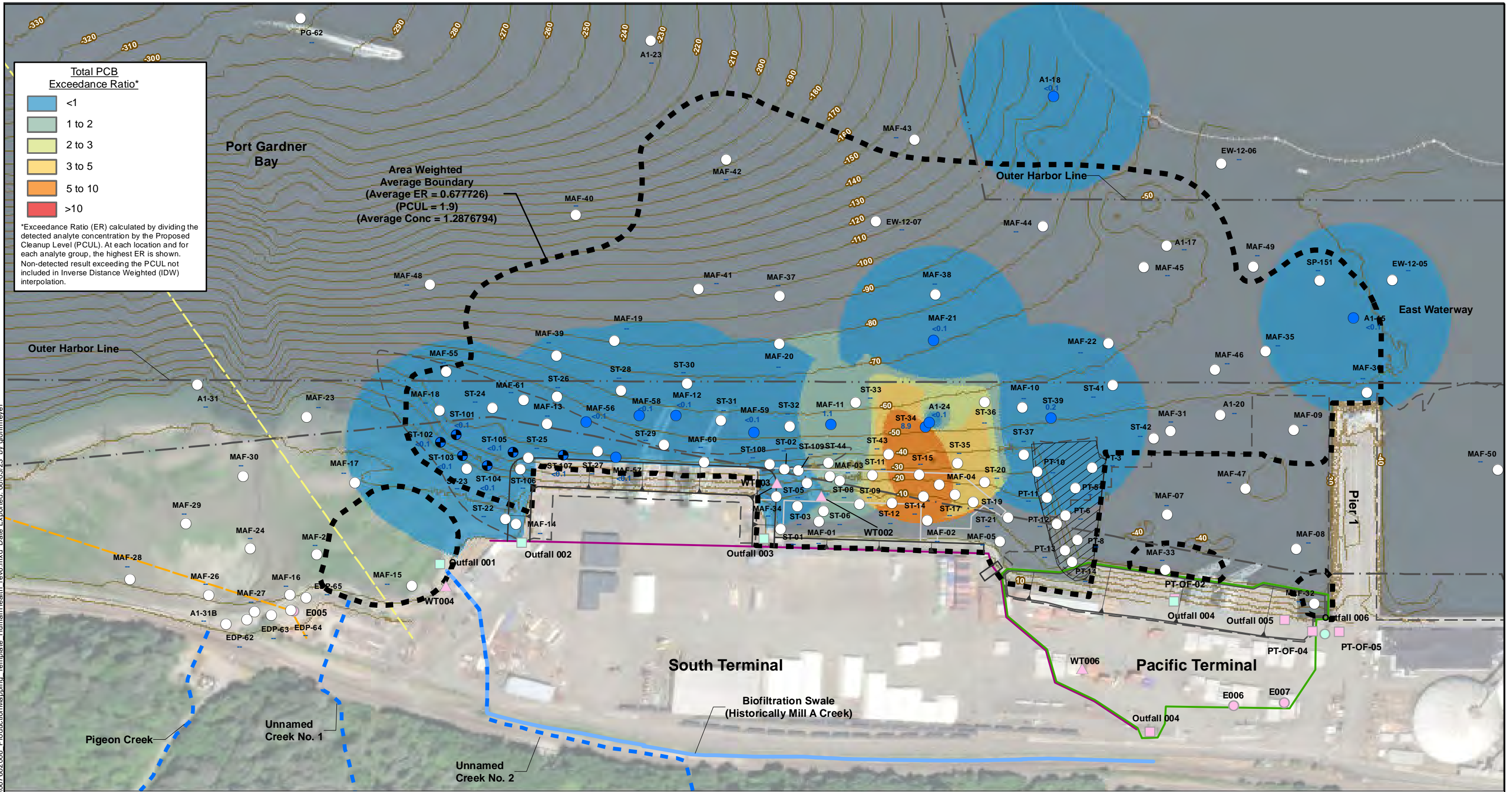
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (0-2 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-254



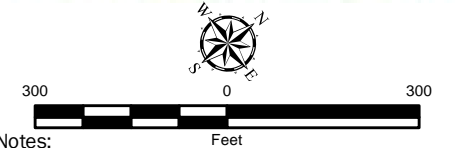
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.677726)
 (PCUL = 1.9)
 (Average Conc = 1.2876794)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

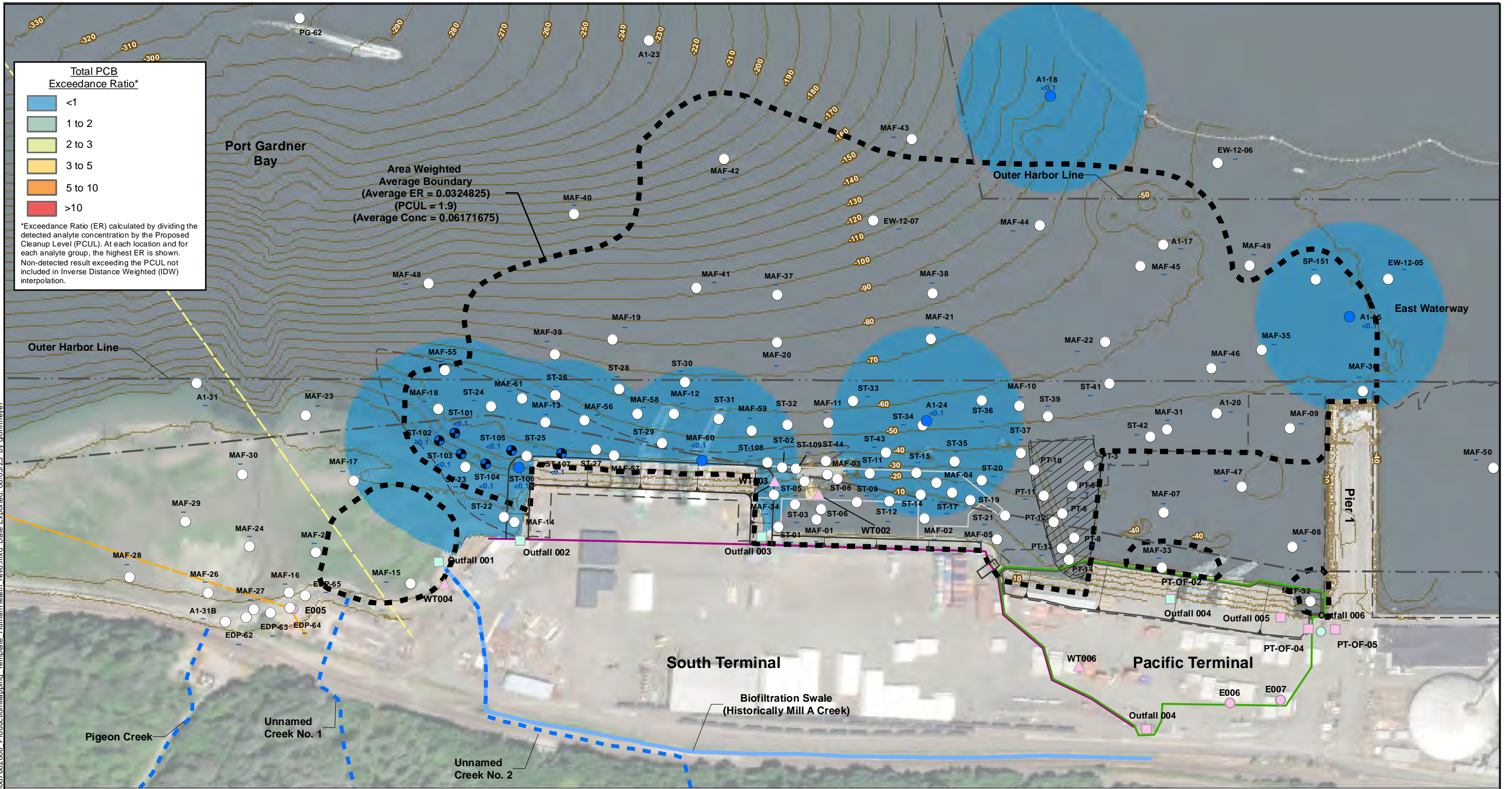
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (2-4 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-255



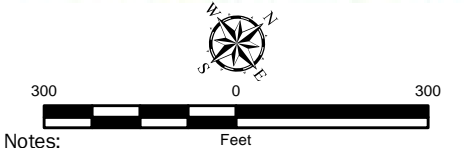
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0324825)
 (PCUL = 1.9)
 (Average Conc = 0.06171675)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

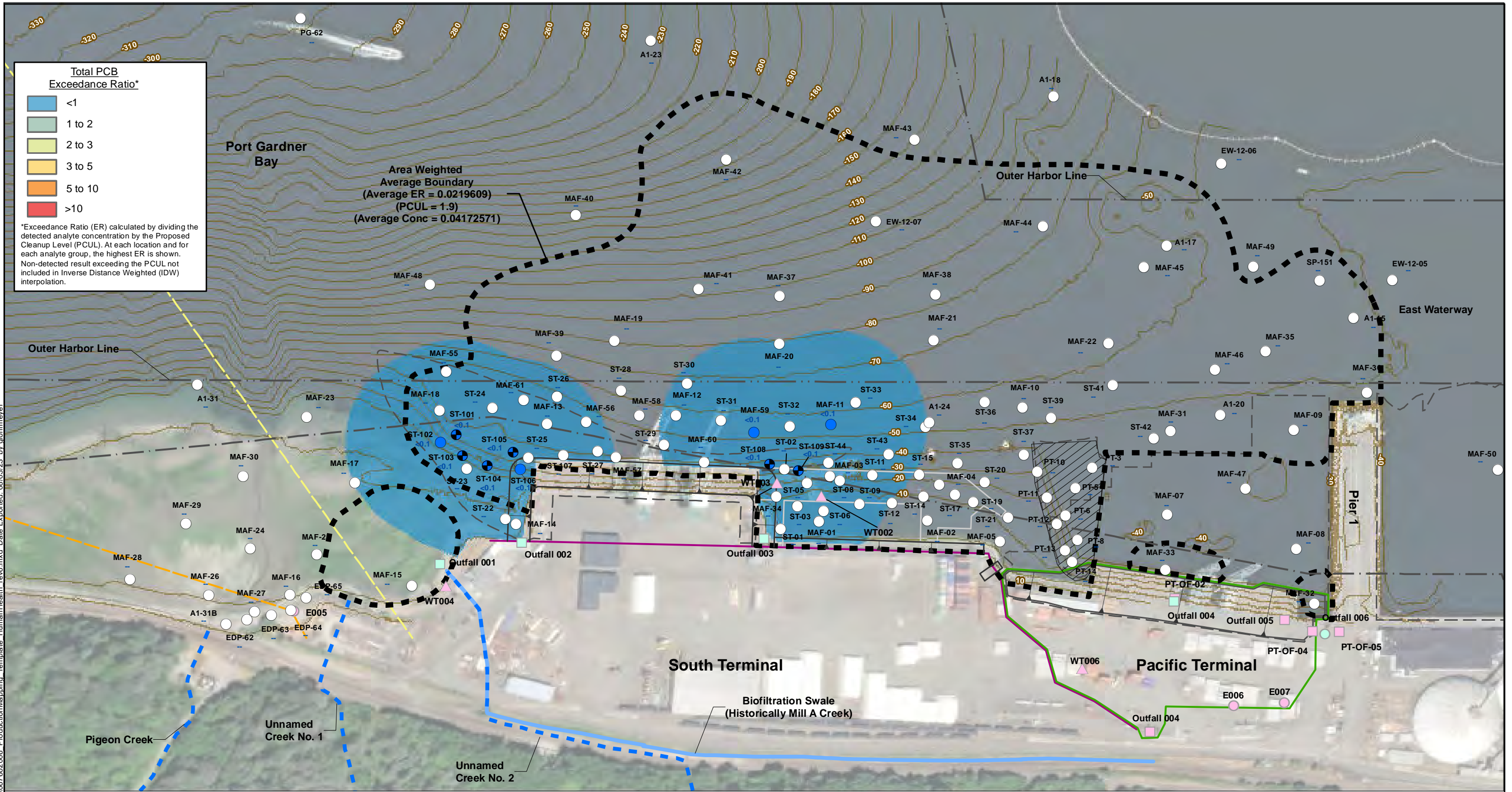
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-256



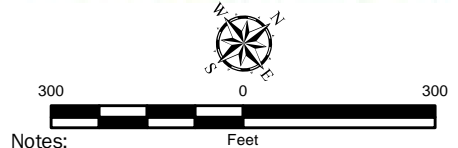
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0219609)
 (PCUL = 1.9)
 (Average Conc = 0.04172571)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

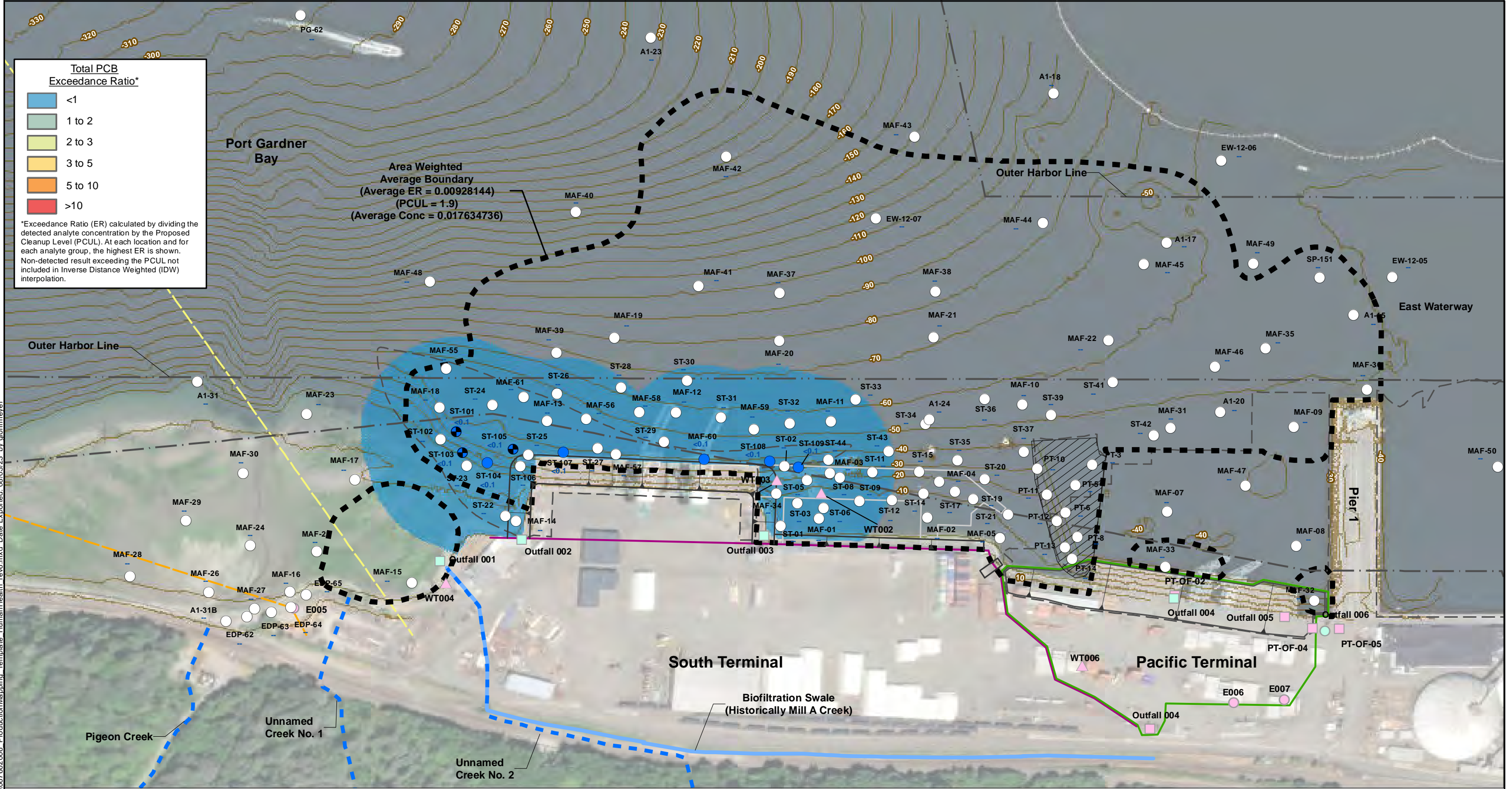
- MAF-01 1.22 Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-257



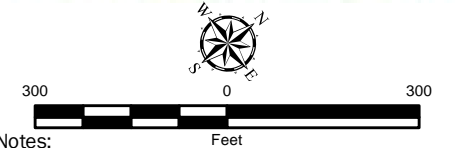
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.00928144)
 (PCUL = 1.9)
 (Average Conc = 0.017634736)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

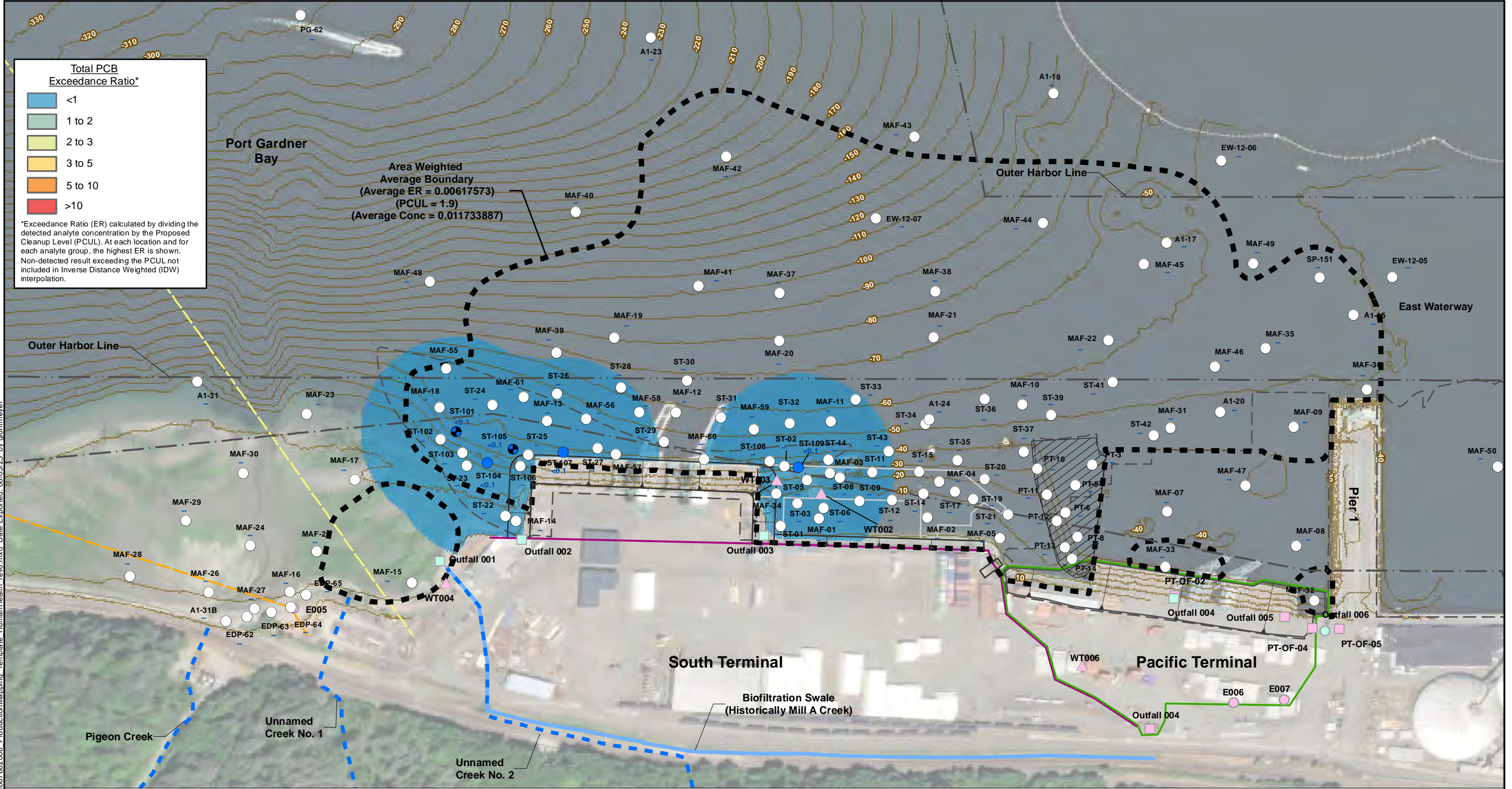
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former
Everett, Washington

Figure Q-258



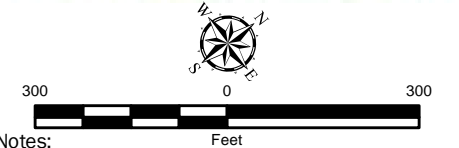
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.00617573)
 (PCUL = 1.9)
 (Average Conc = 0.011733887)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

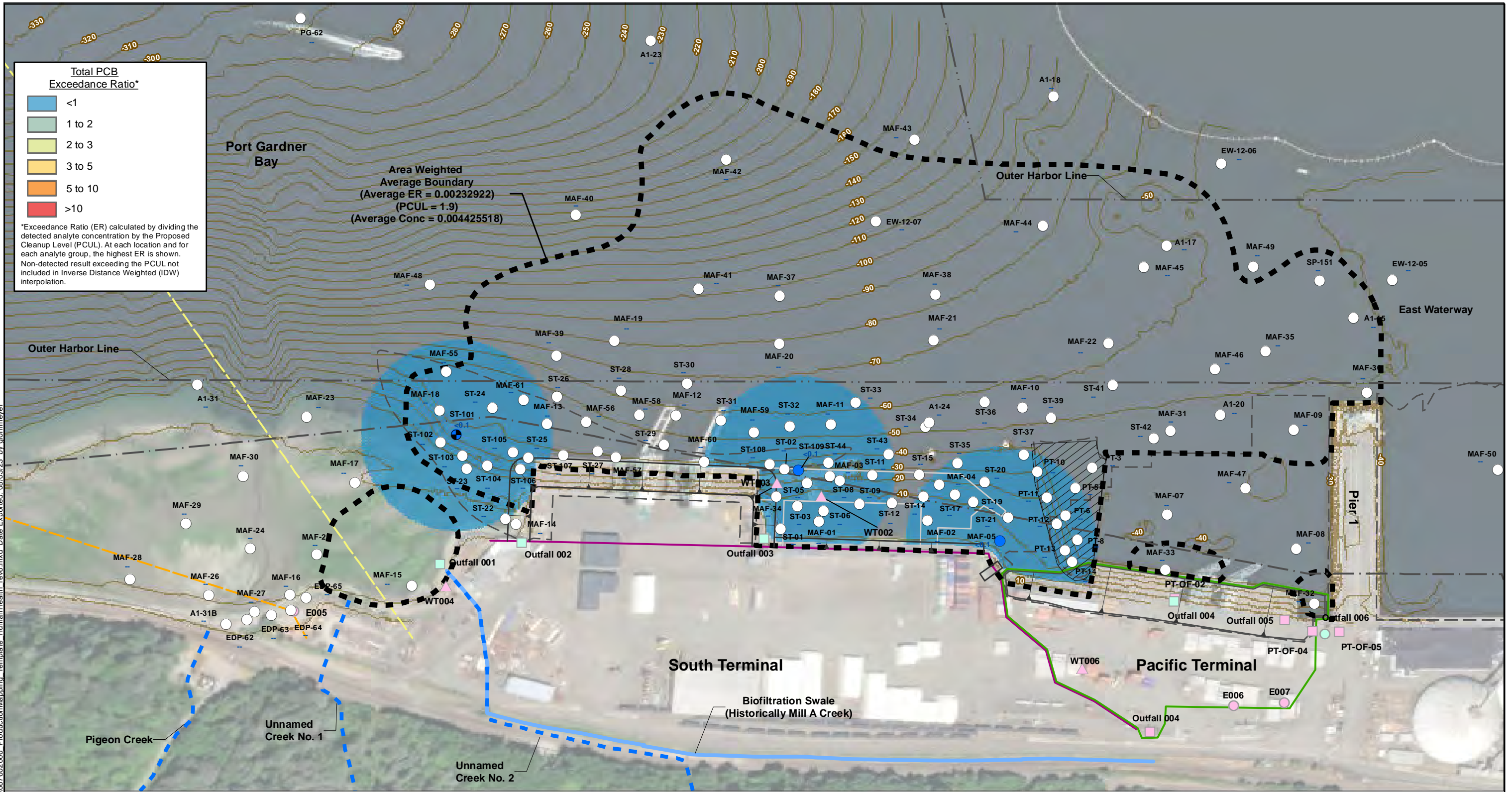
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-259



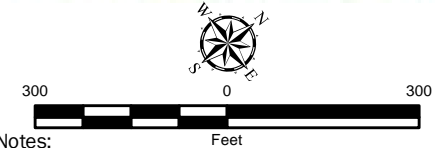
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.00232922)
 (PCUL = 1.9)
 (Average Conc = 0.004425518)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

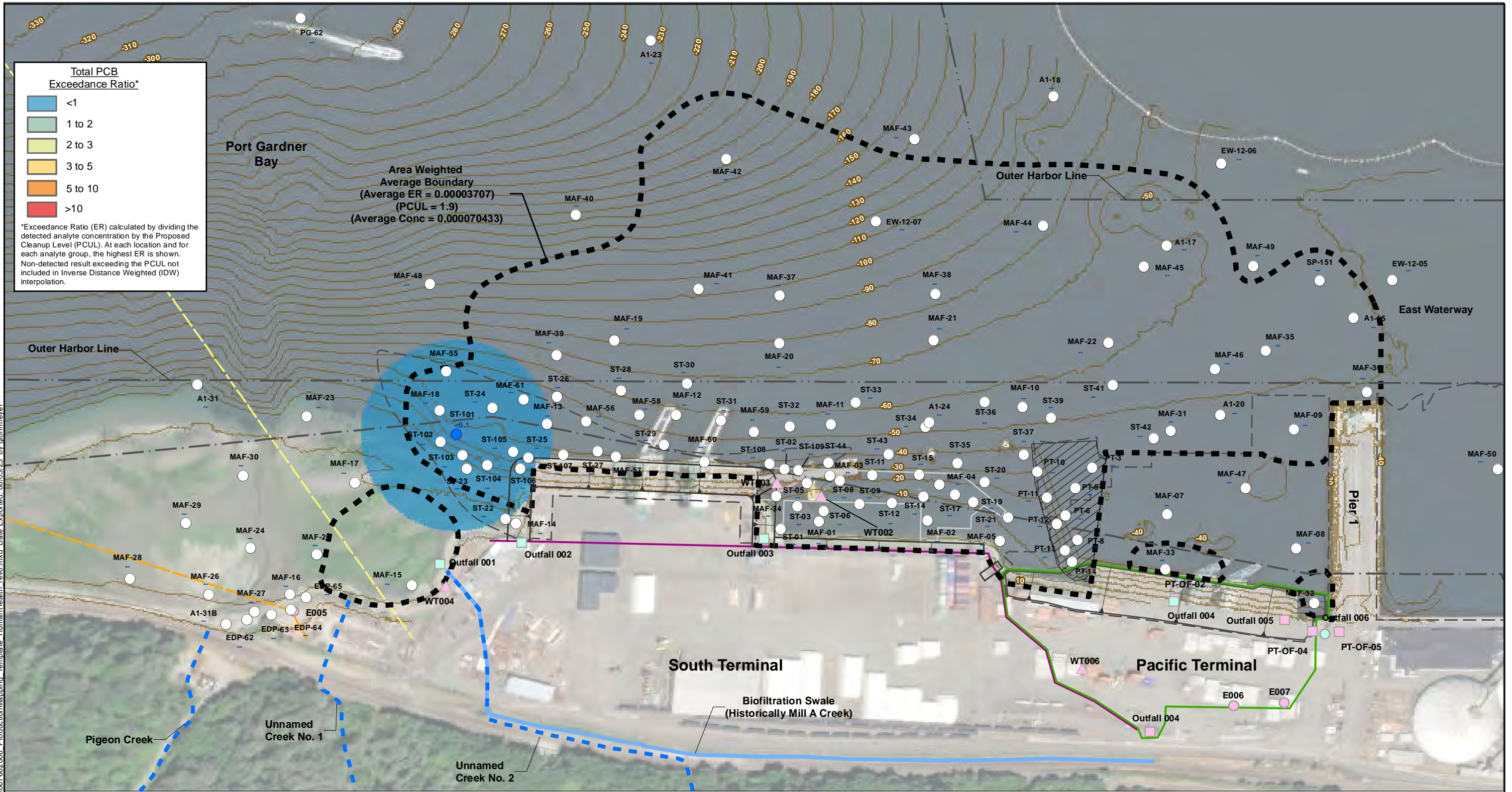
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-260



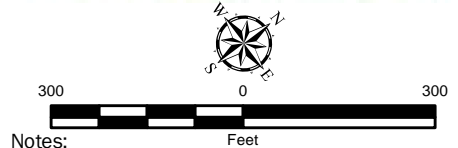
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.00003707)
 (PCUL = 1.9)
 (Average Conc = 0.000070433)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

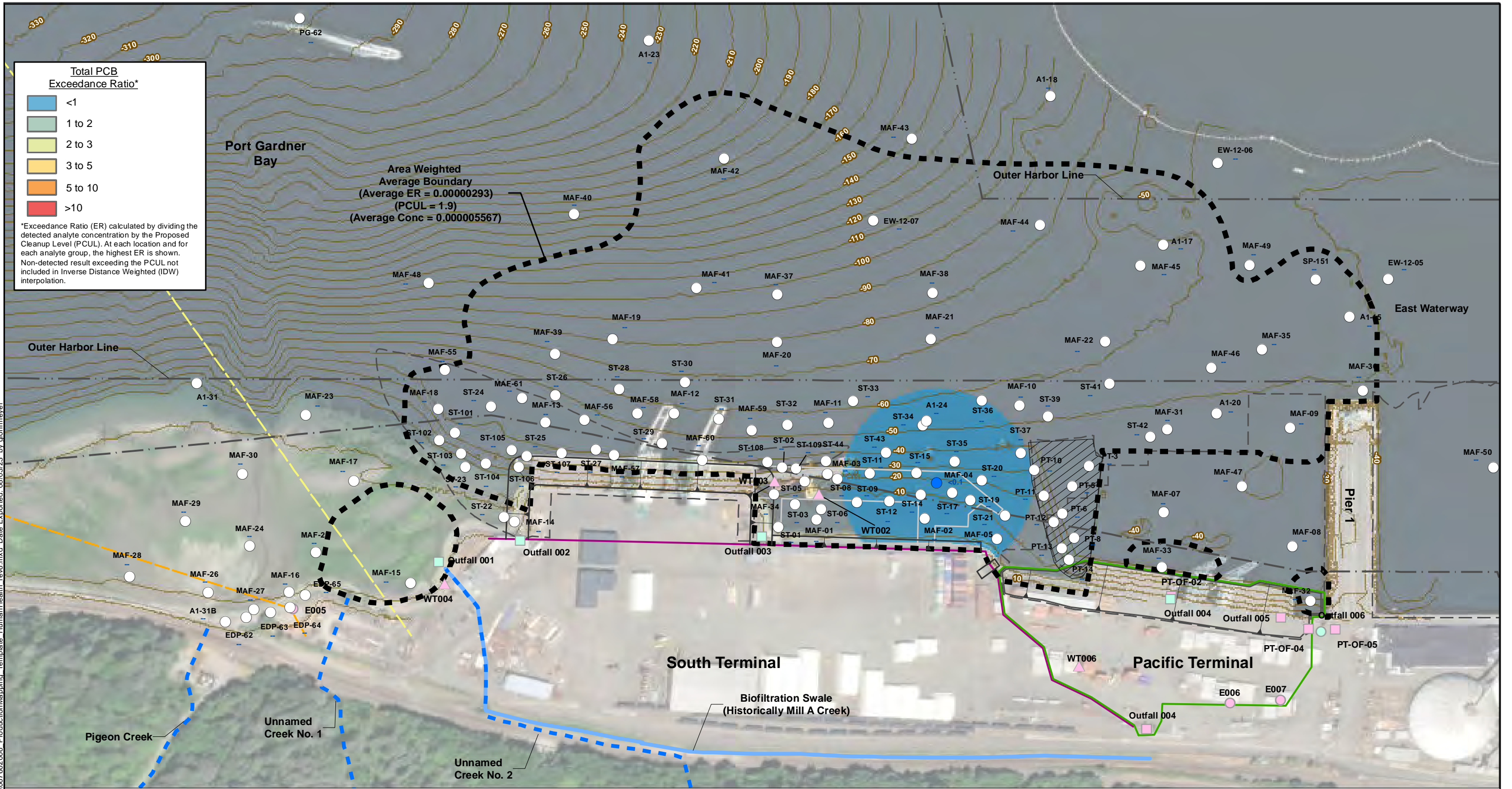
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former
Everett, Washington

GEOENGINEERS **Figure Q-261**



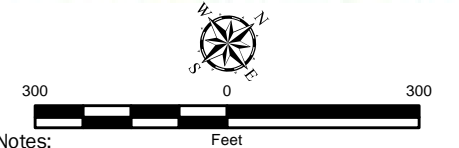
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.00000293)
 (PCUL = 1.9)
 (Average Conc = 0.000005567)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - ⊕ Composite Sample Result
 - Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

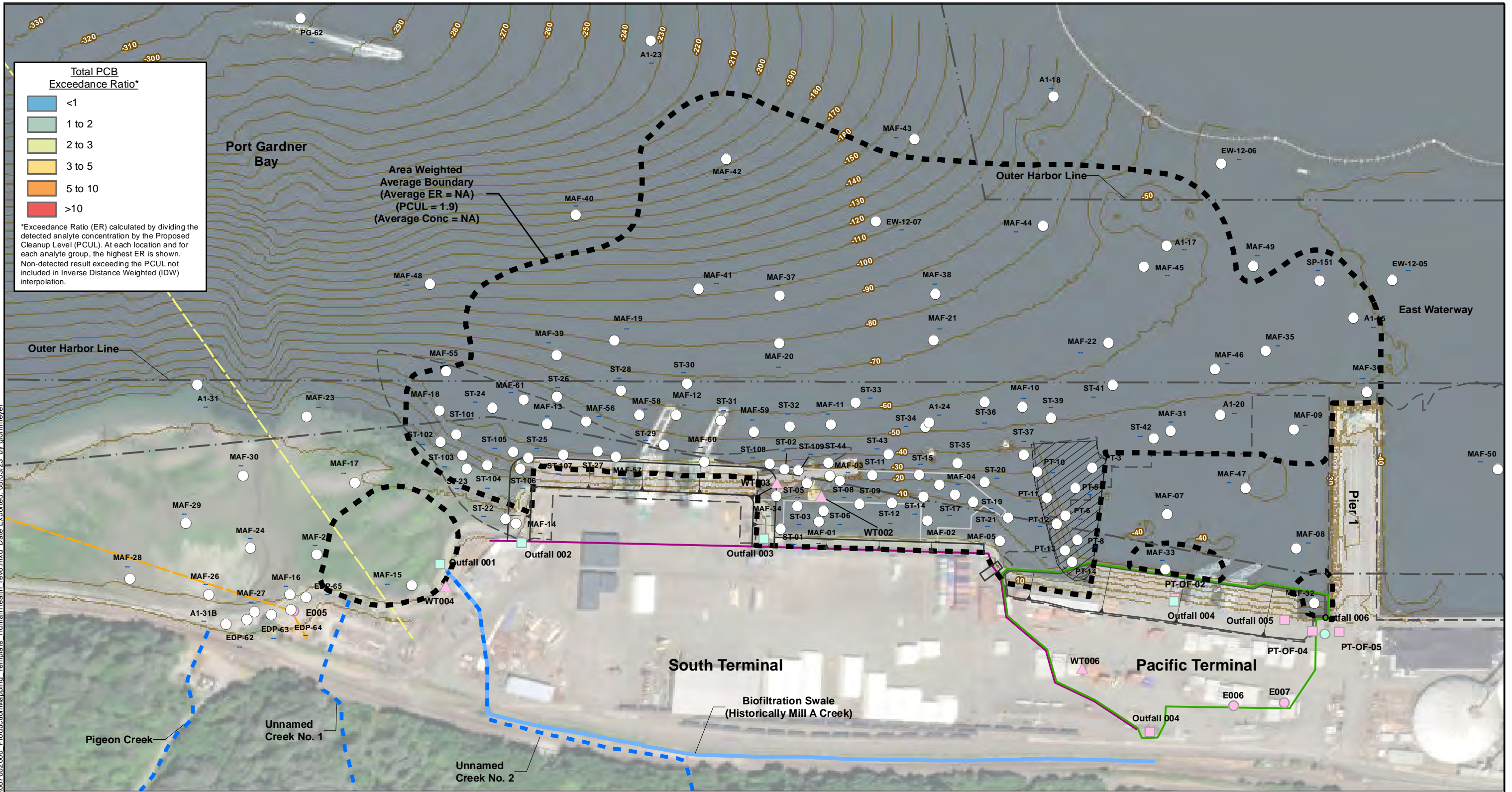
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-262



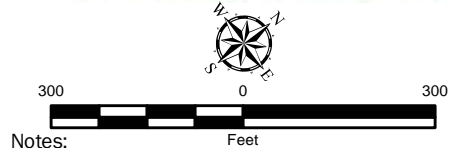
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 1.9) (Average Conc = NA)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

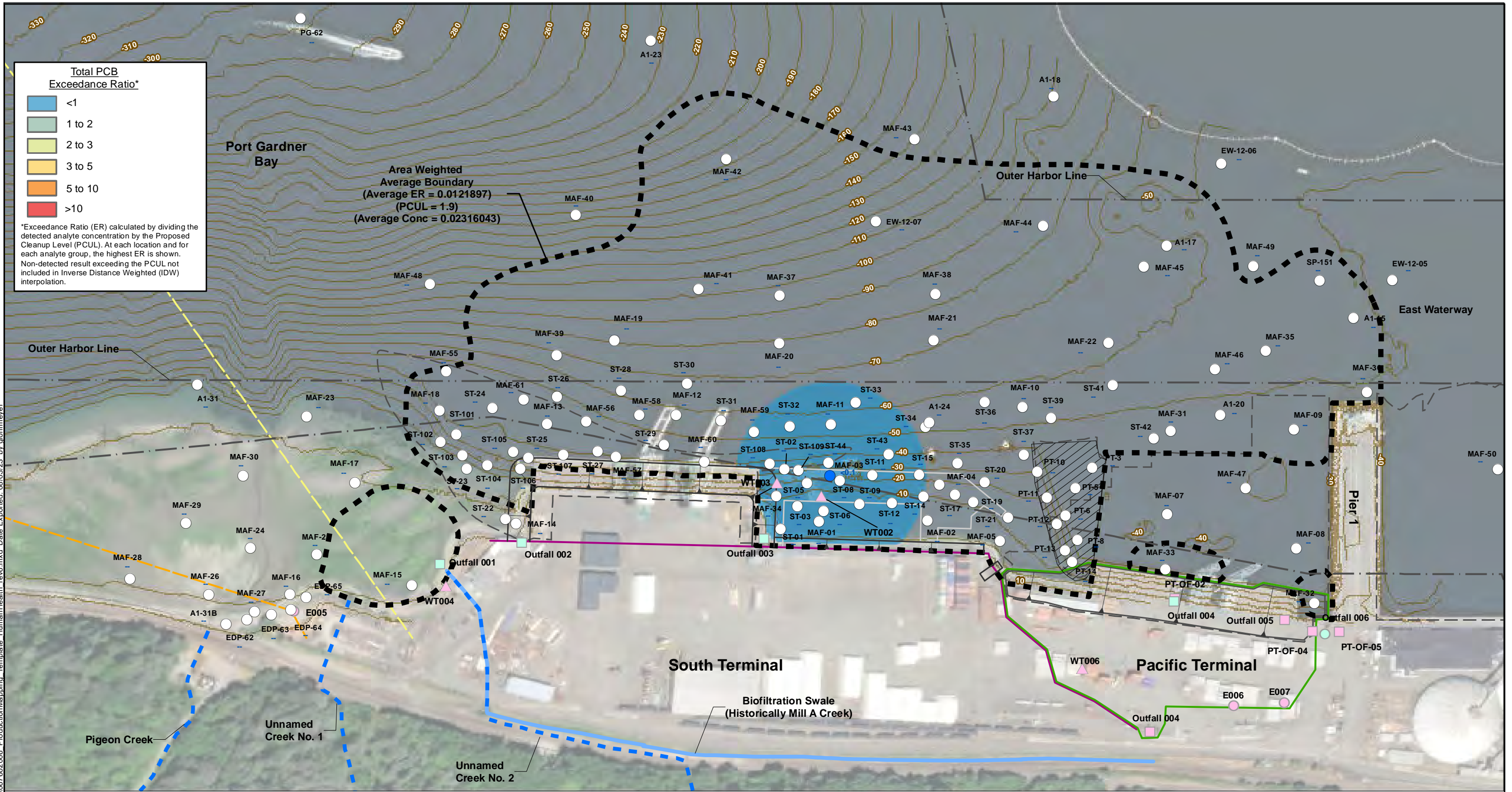
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

**Total PCB Results (Human Health)
Subsurface Sediment (18-20 ft)**

**Weyerhaeuser Mill A Former
Everett, Washington**

Figure Q-263



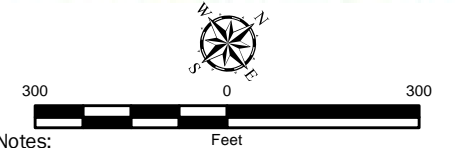
Total PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.0121897)
 (PCUL = 1.9)
 (Average Conc = 0.02316043)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

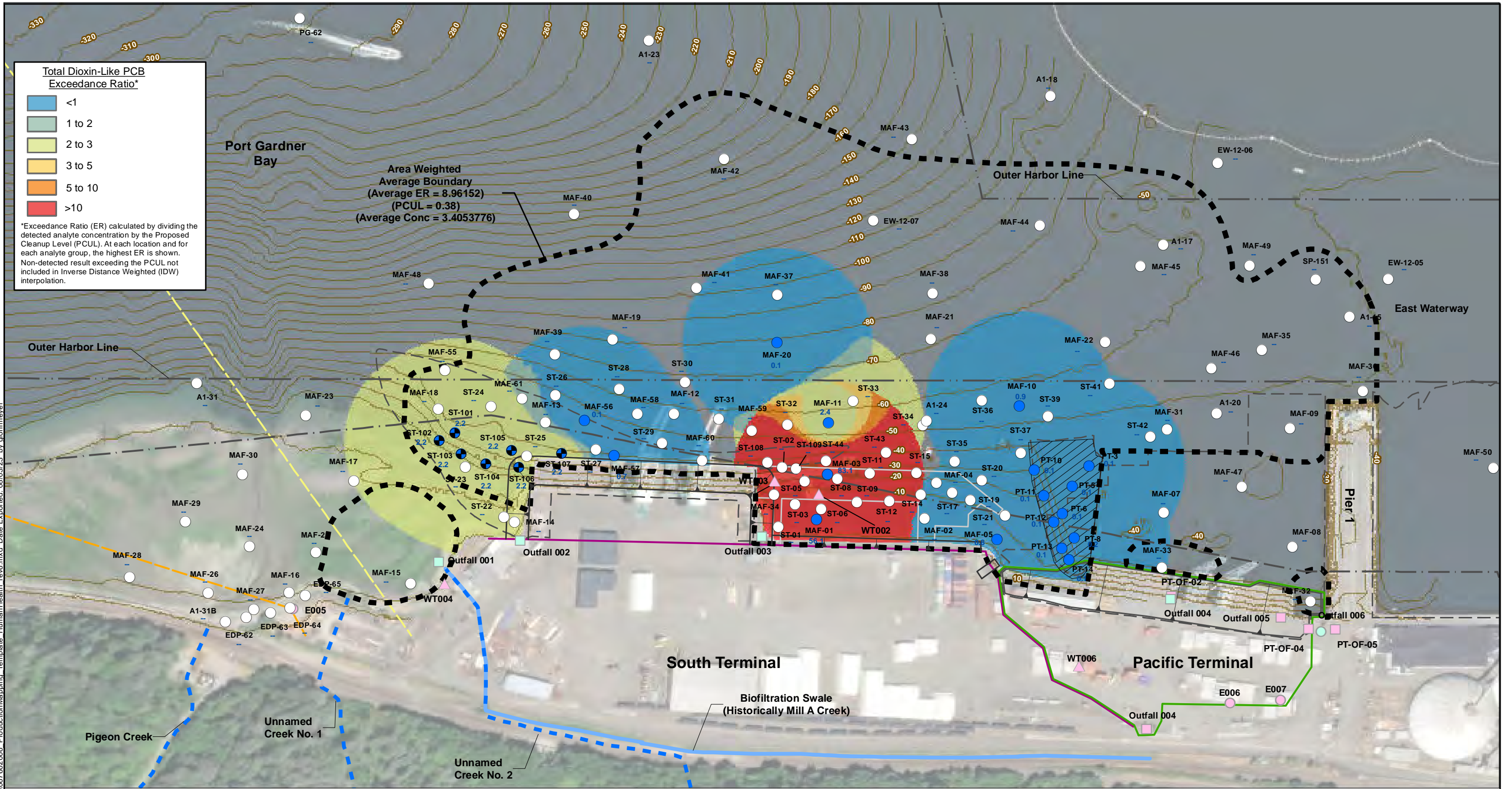
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total PCB Results (Human Health)
Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former
 Everett, Washington

Figure Q-264



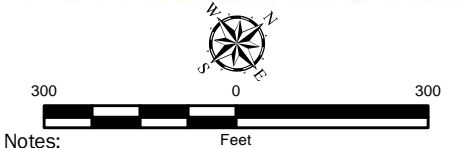
Total Dioxin-Like PCB Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 8.96152)
 (PCUL = 0.38)
 (Average Conc = 3.4053776)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

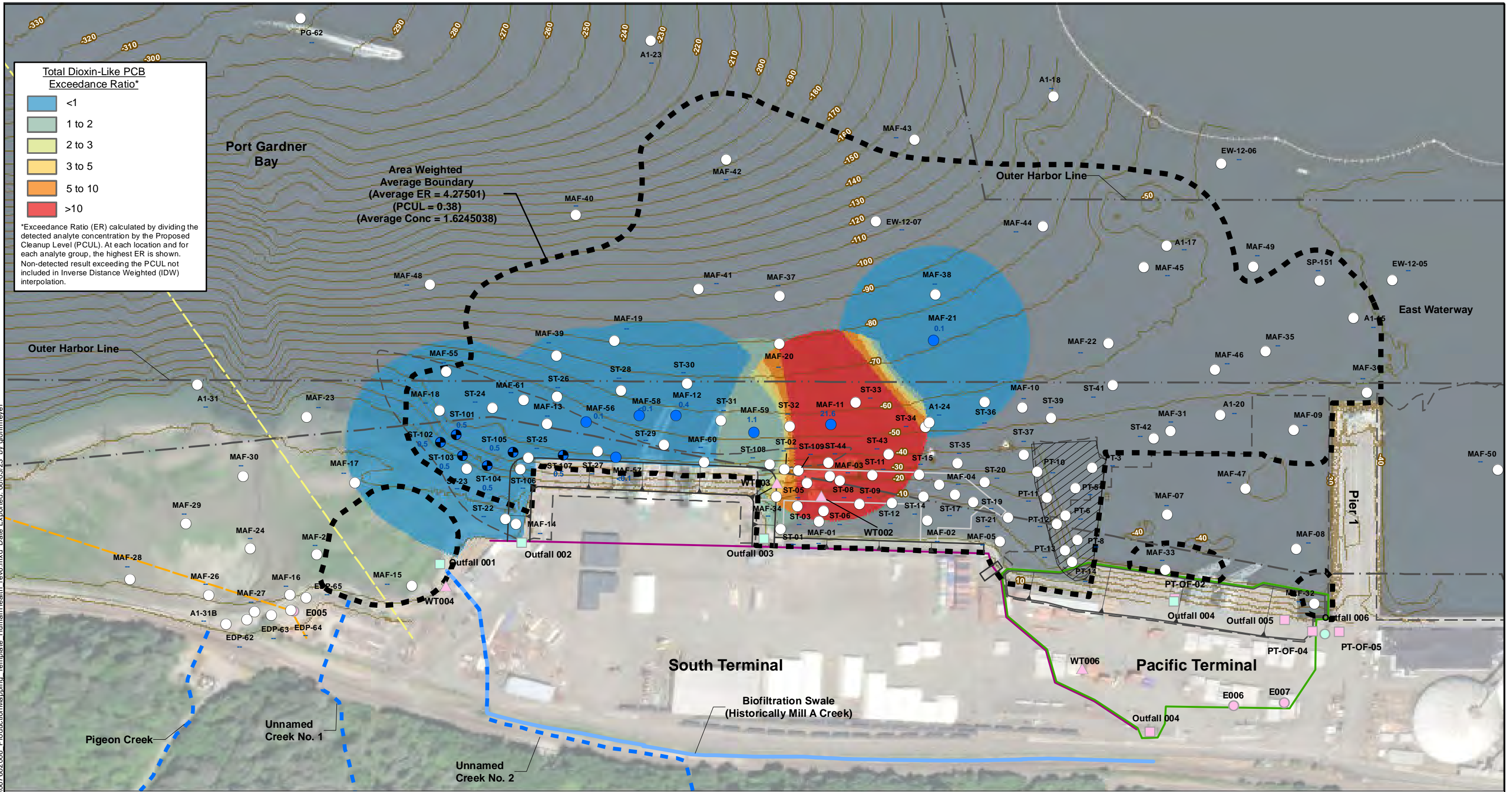
- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (0-2 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-265



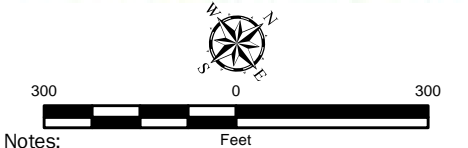
Total Dioxin-Like PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 4.27501)
(PCUL = 0.38)
(Average Conc = 1.6245038)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

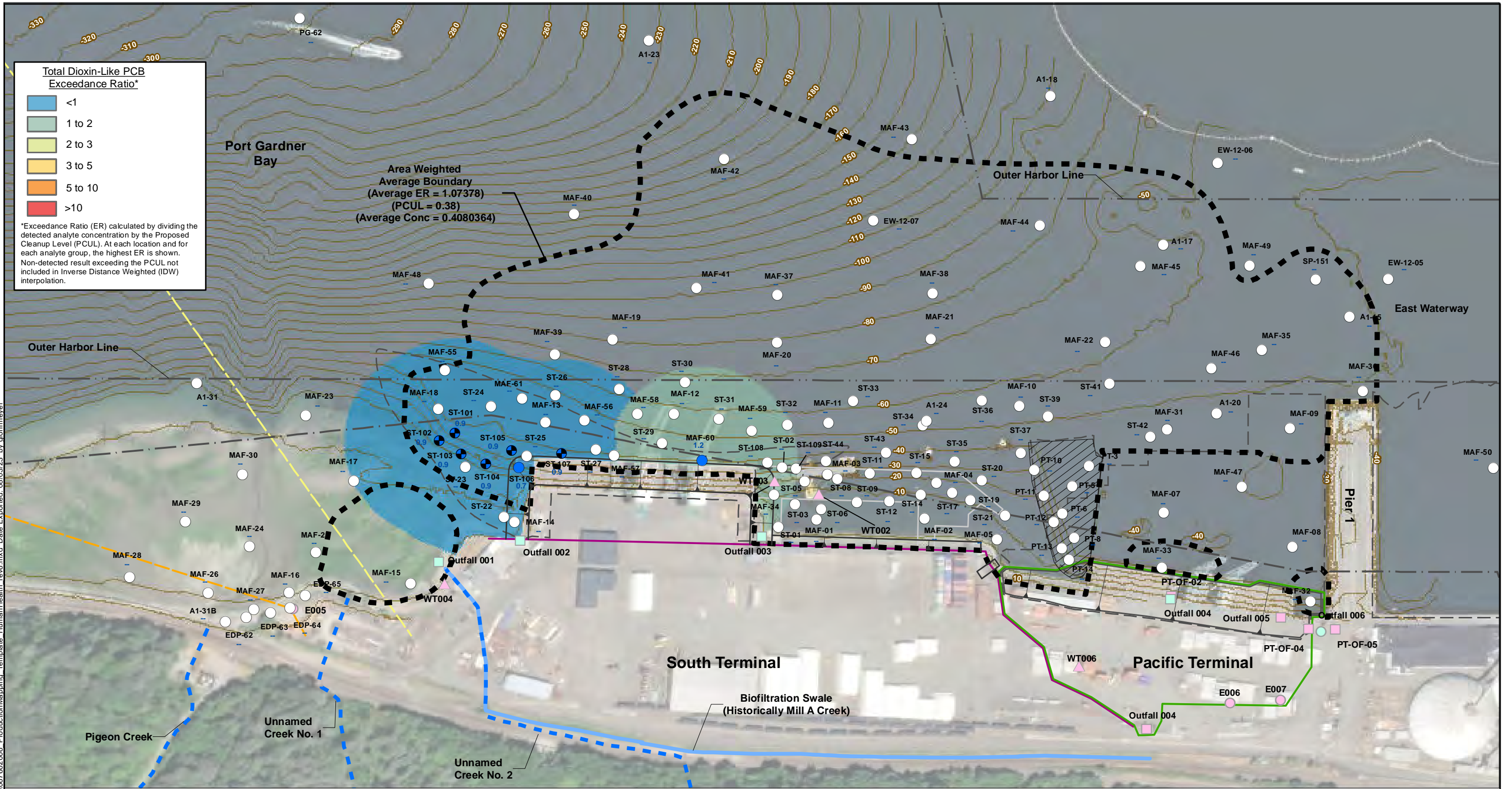
- MAF-01 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (2-4 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-266



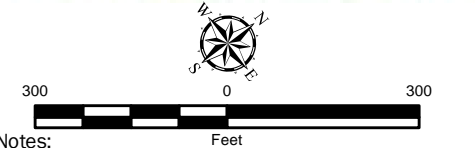
Total Dioxin-Like PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 1.07378)
 (PCUL = 0.38)
 (Average Conc = 0.4080364)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

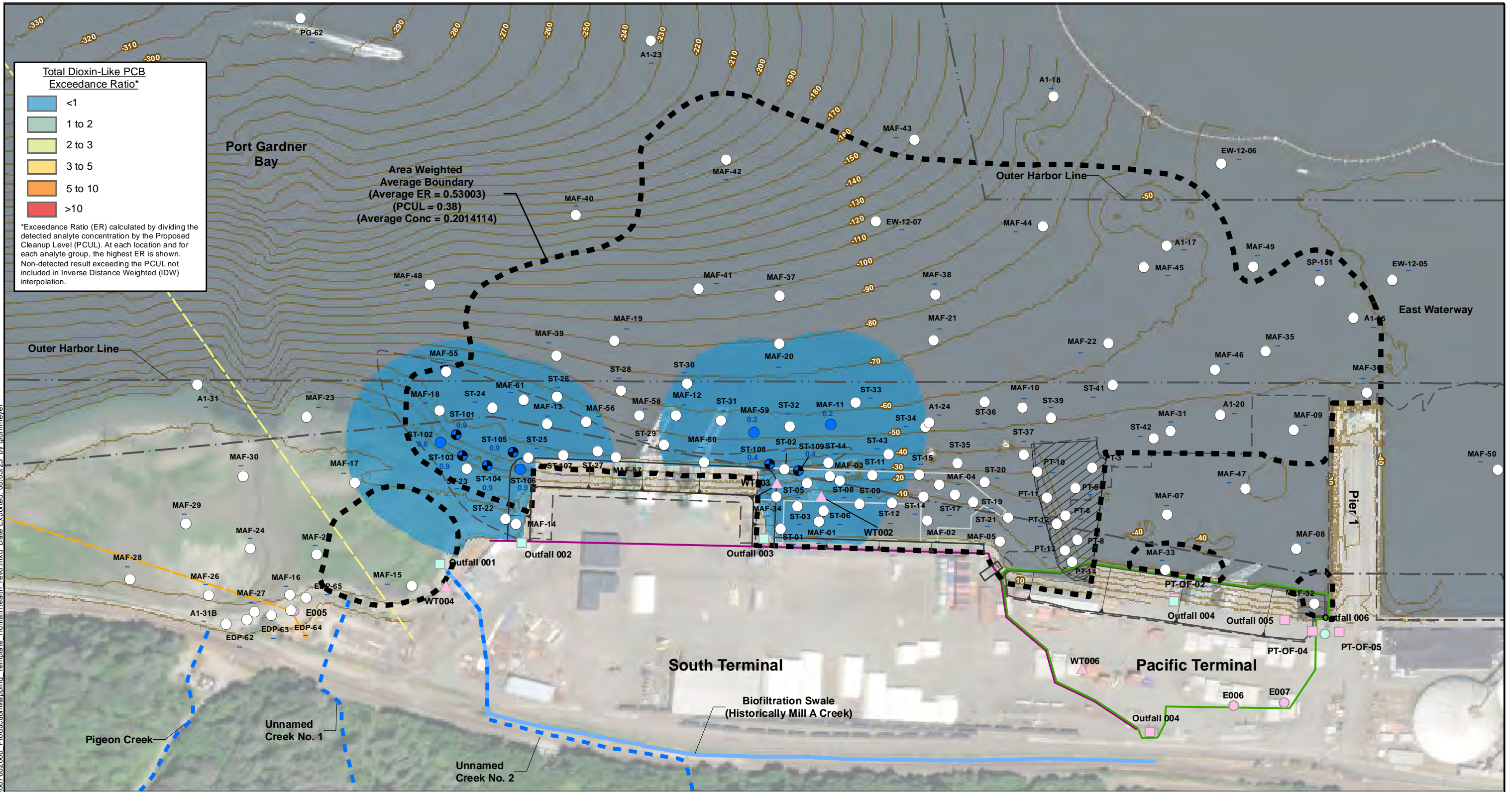
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-267



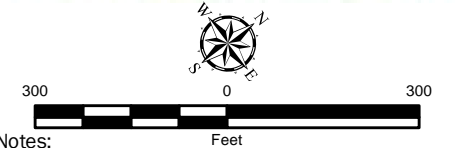
Total Dioxin-Like PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.53003)
 (PCUL = 0.38)
 (Average Conc = 0.2014114)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

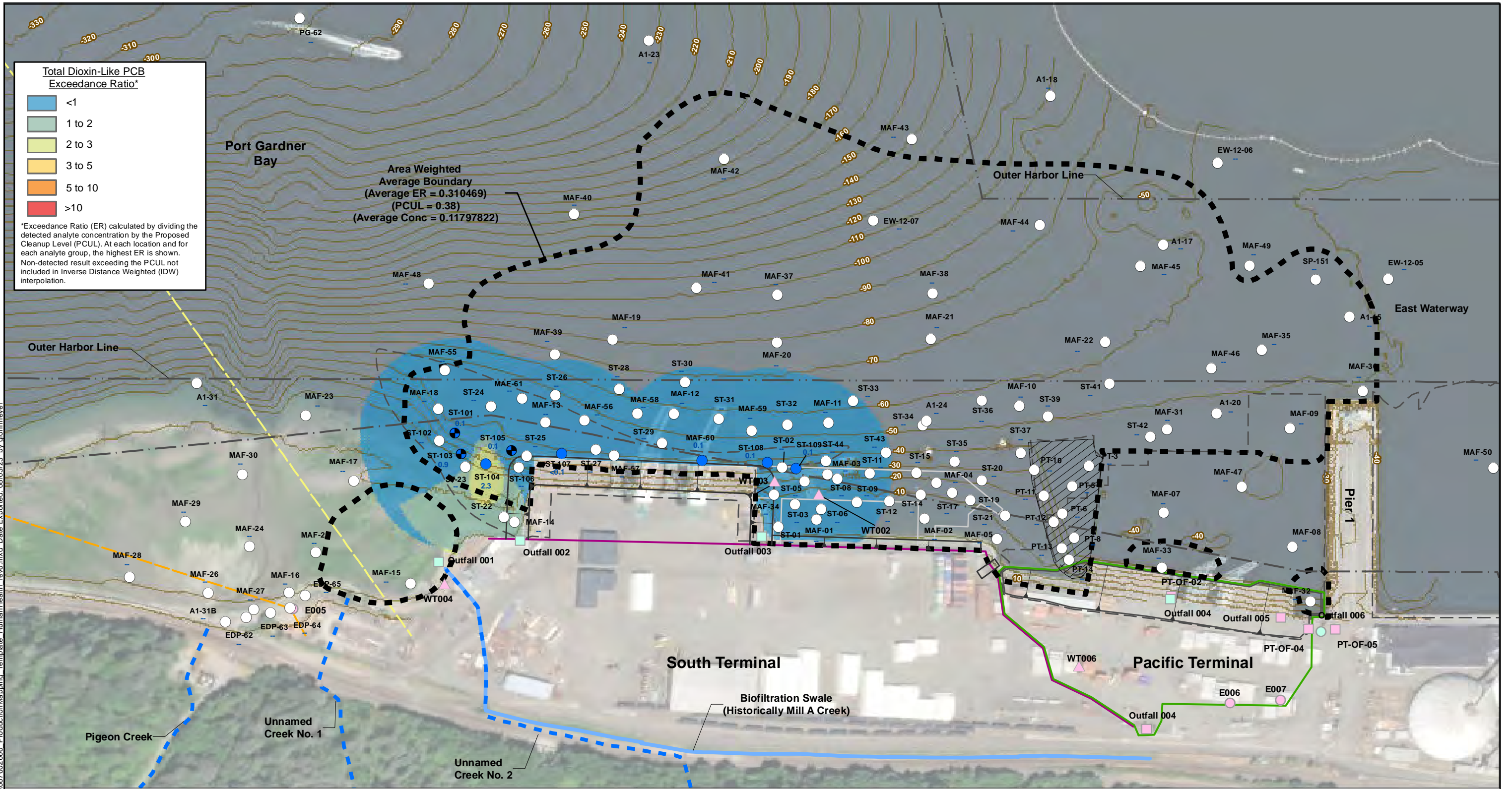
- MAF-01 Sample Location Identification Result
- 1.22
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-268



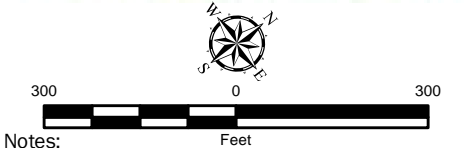
Total Dioxin-Like PCB Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.310469)
 (PCUL = 0.38)
 (Average Conc = 0.11797822)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

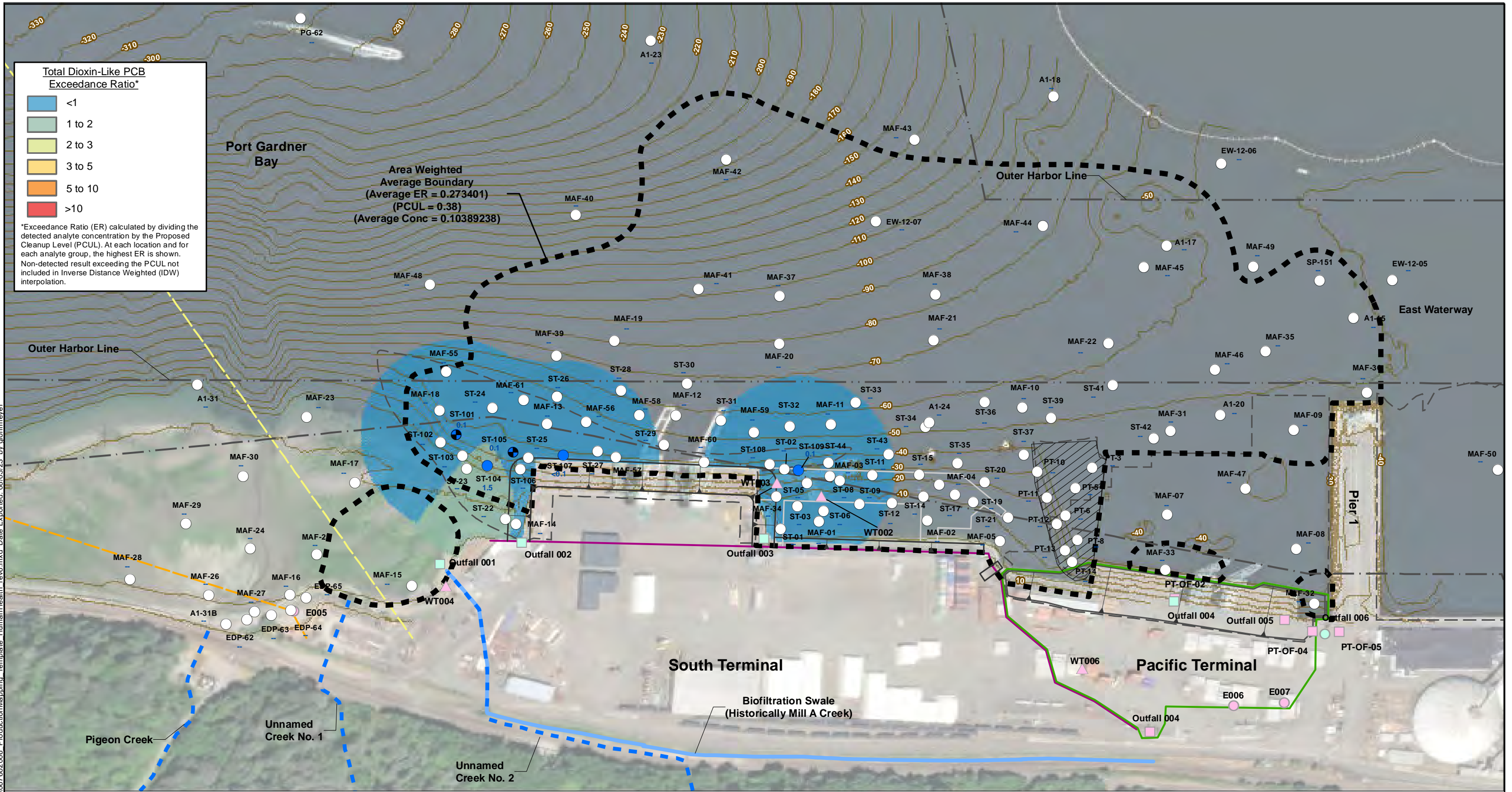
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abaandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-269



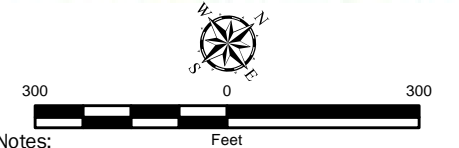
Total Dioxin-Like PCB Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.273401)
 (PCUL = 0.38)
 (Average Conc = 0.10389238)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

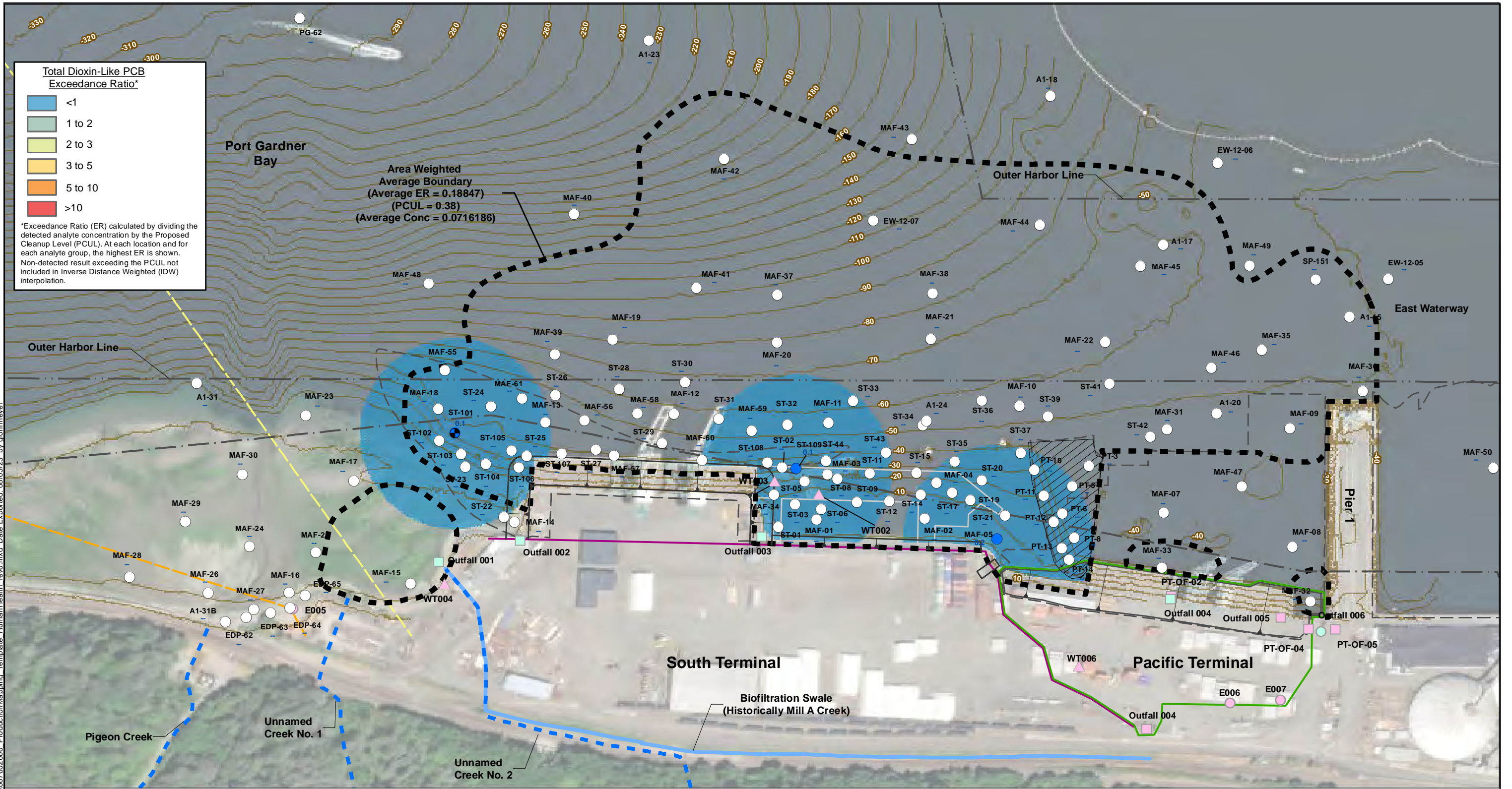
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-270



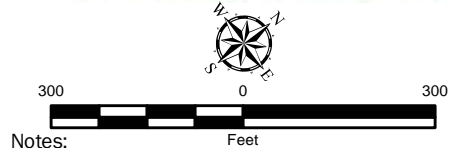
Total Dioxin-Like PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.18847)
 (PCUL = 0.38)
 (Average Conc = 0.0716186)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

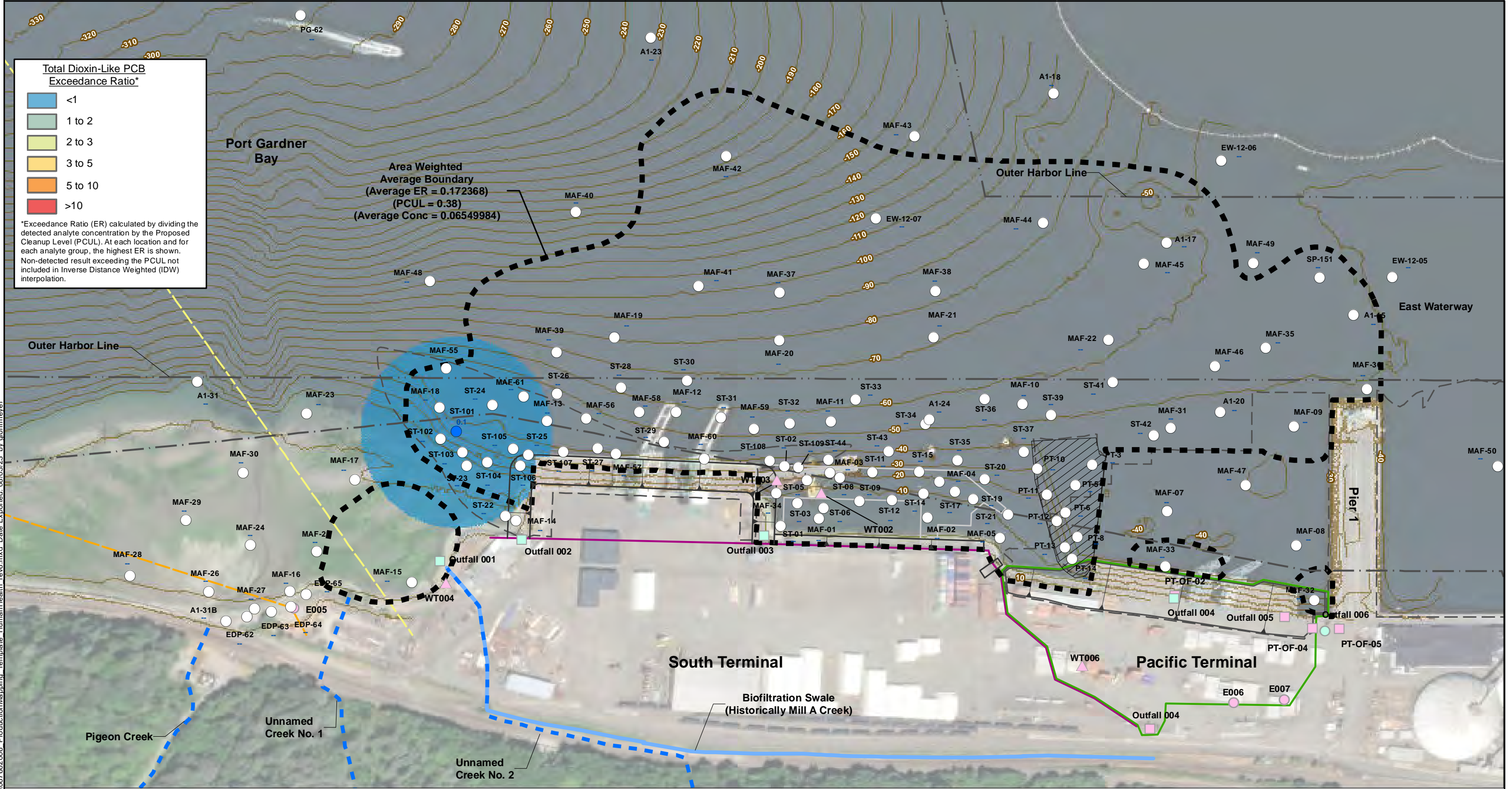
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abaandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-271



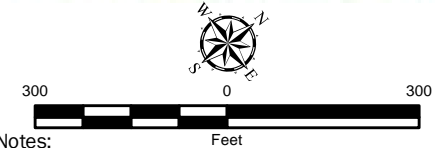
Total Dioxin-Like PCB Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.172368)
 (PCUL = 0.38)
 (Average Conc = 0.06549984)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

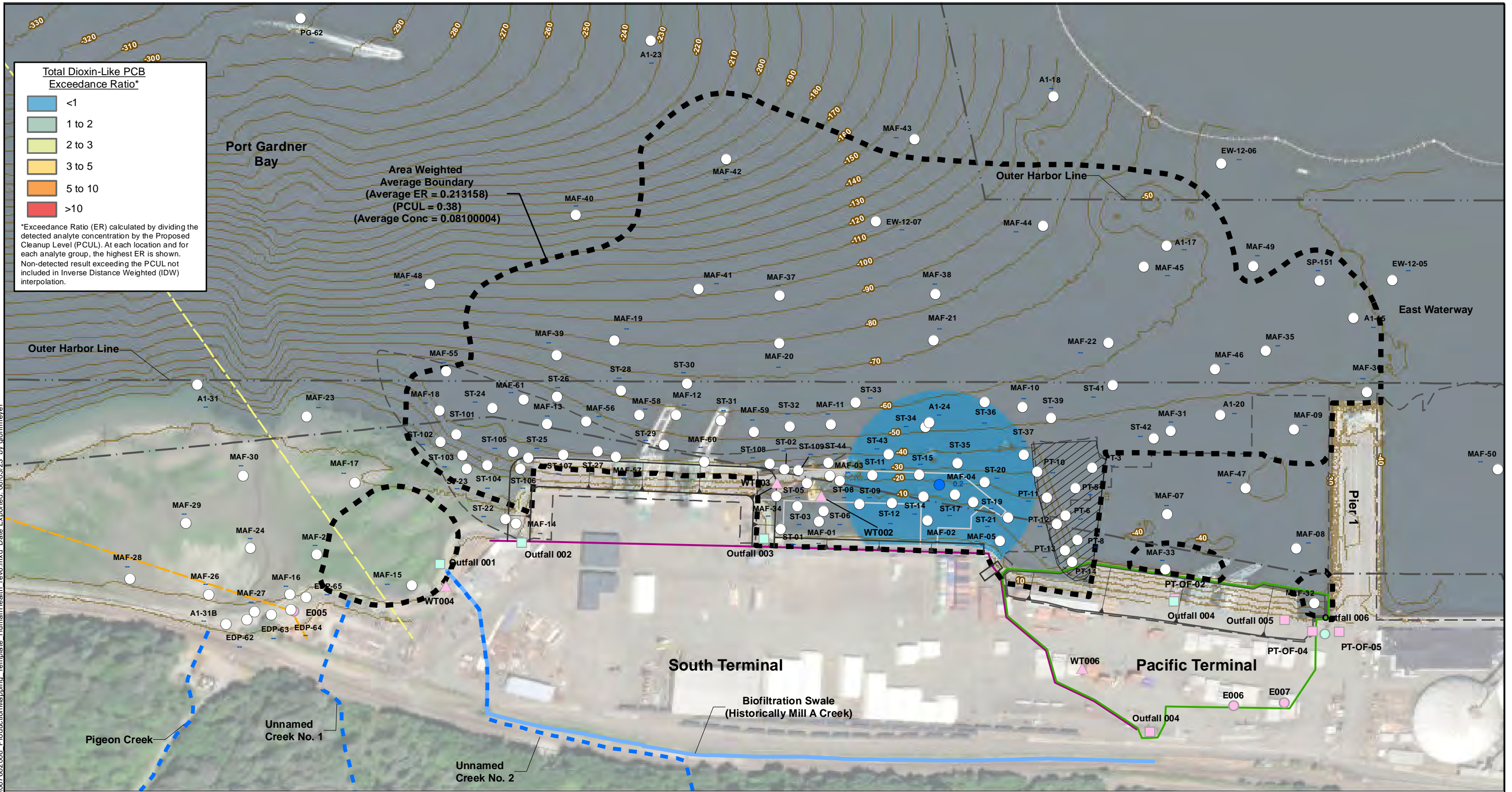
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former Everett, Washington

GEOENGINEERS

Figure Q-272



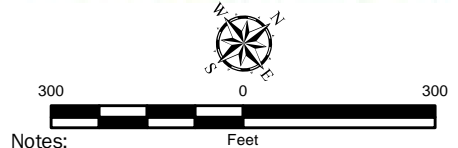
Total Dioxin-Like PCB Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.213158)
 (PCUL = 0.38)
 (Average Conc = 0.08100004)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

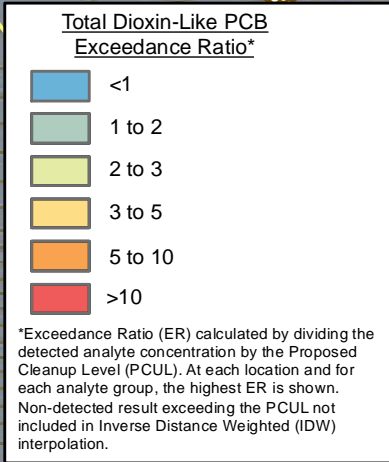
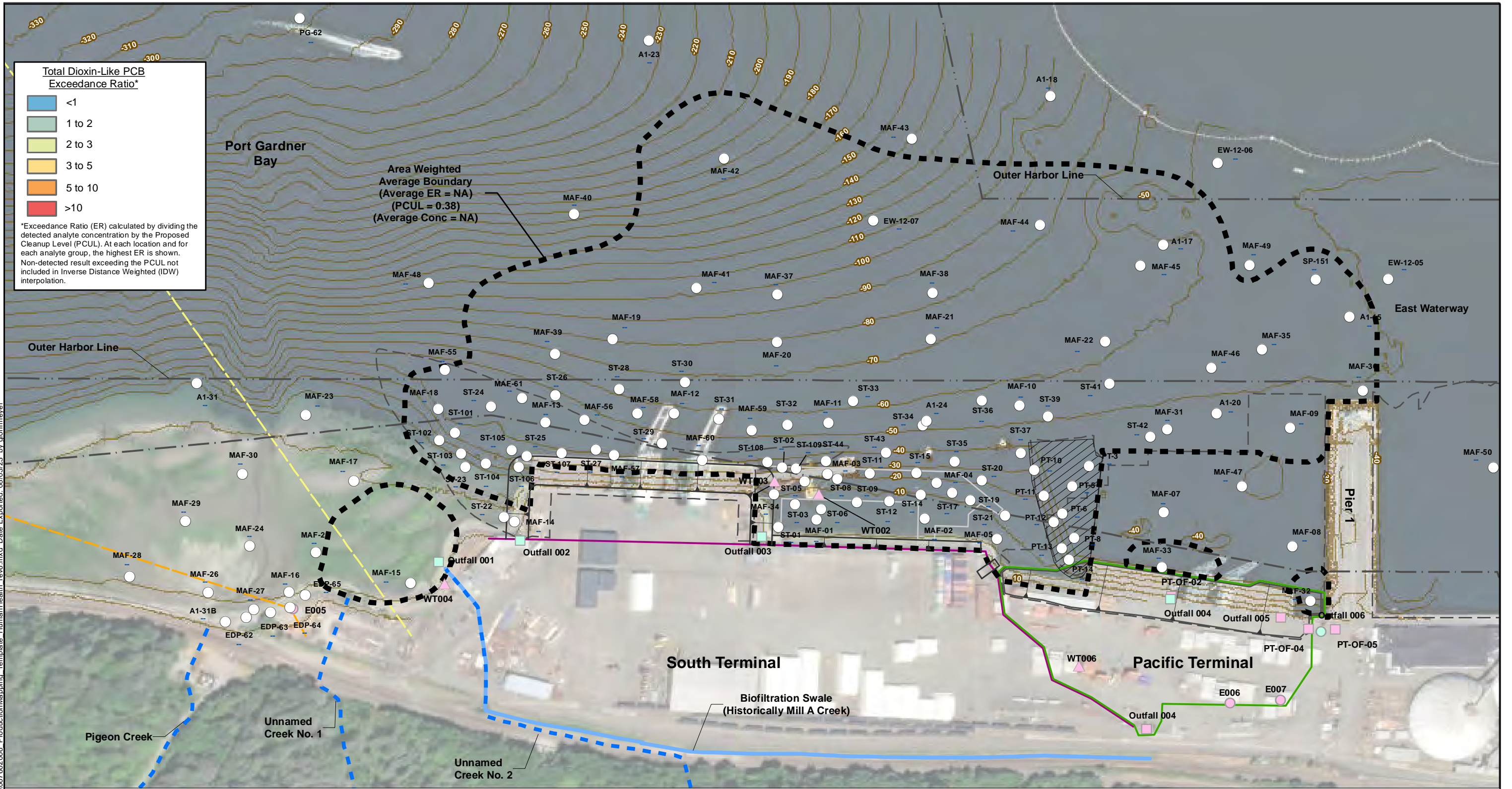
MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

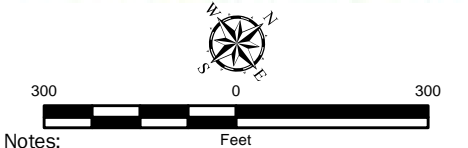
Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former Everett, Washington



Area Weighted Average Boundary (Average ER = NA) (PCUL = 0.38) (Average Conc = NA)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

- Legend**
- Marine Area Remedial Investigation Sampling Location
- Discreet Sample Result
 - No Sample/Result
 - Non-Detect Result Exceeds PCUL
 - Composite Sample Result
 - Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

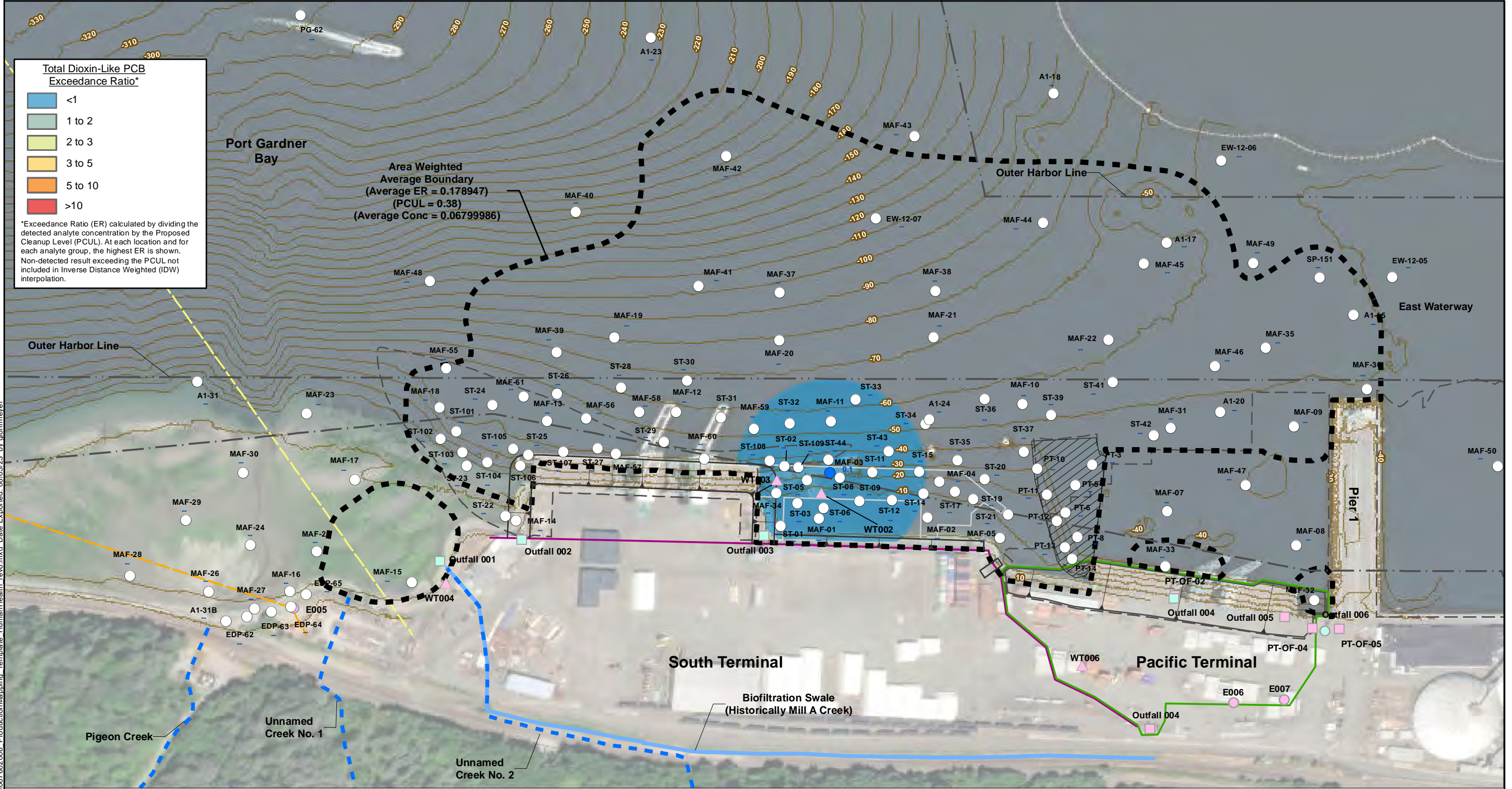
- MAF-01 1.22 Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-274



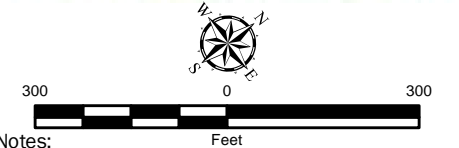
Total Dioxin-Like PCB Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.178947)
 (PCUL = 0.38)
 (Average Conc = 0.06799986)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

1.22

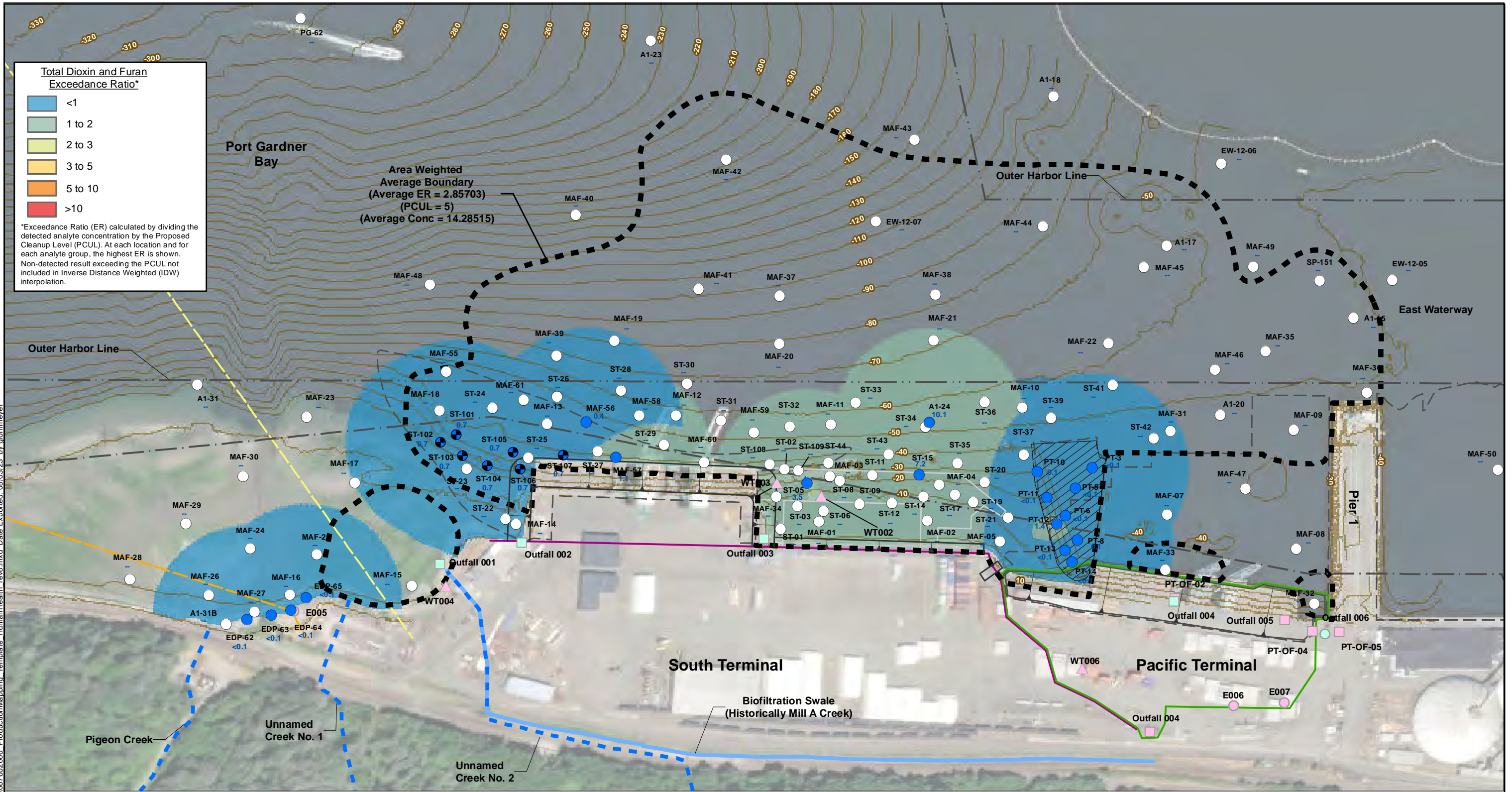
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin-Like PCB Results (Human Health) Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-275



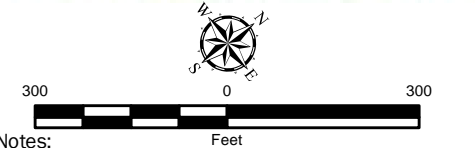
Total Dioxin and Furan Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 2.85703)
(PCUL = 5)
(Average Conc = 14.28515)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

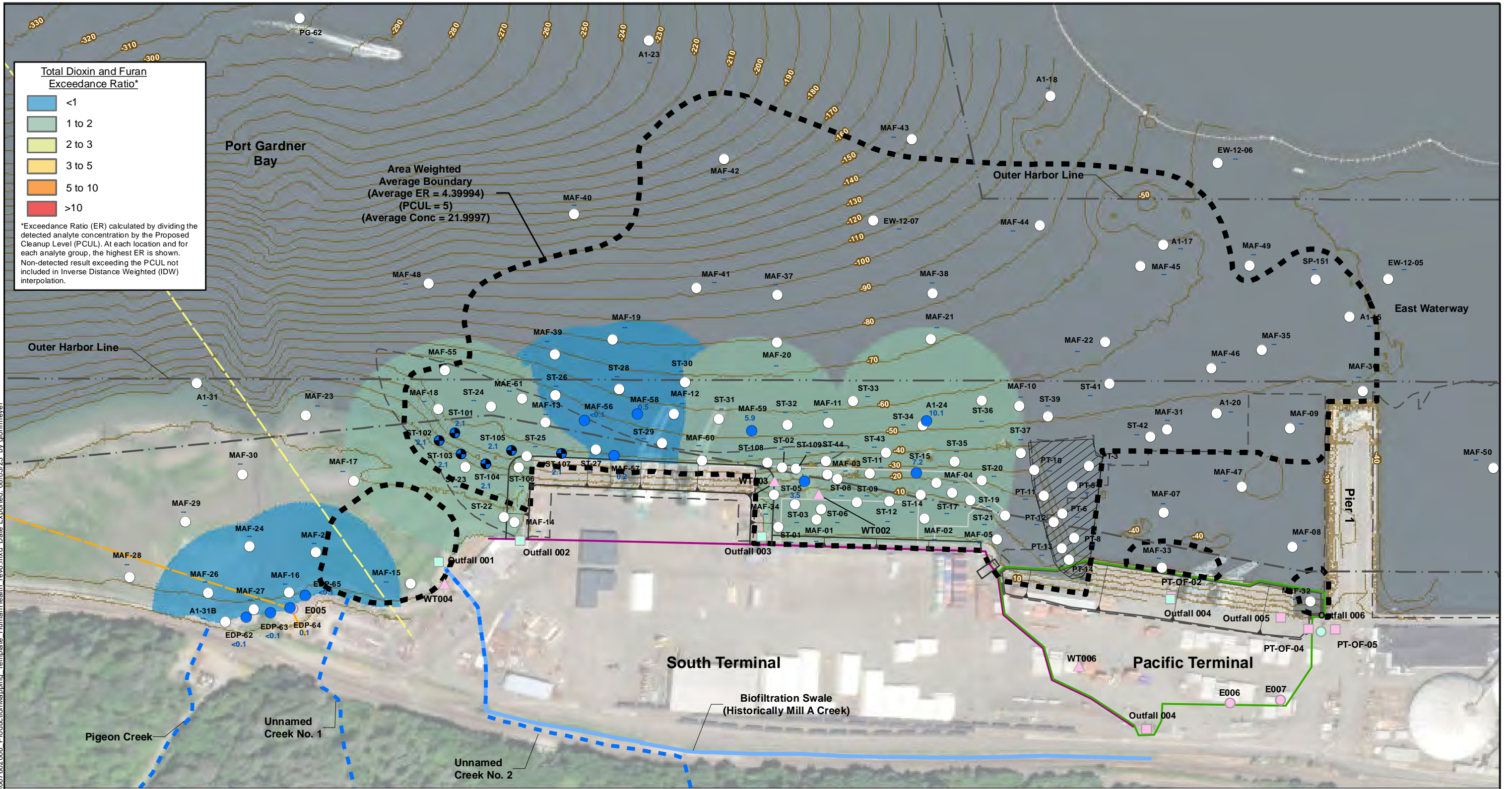
MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (0-2 ft)

Weyerhaeuser Mill A Former Everett, Washington



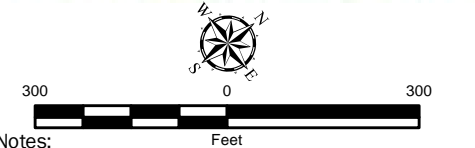
Total Dioxin and Furan Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 4.39994)
 (PCUL = 5)
 (Average Conc = 21.9997)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22 Sample Location Identification Result

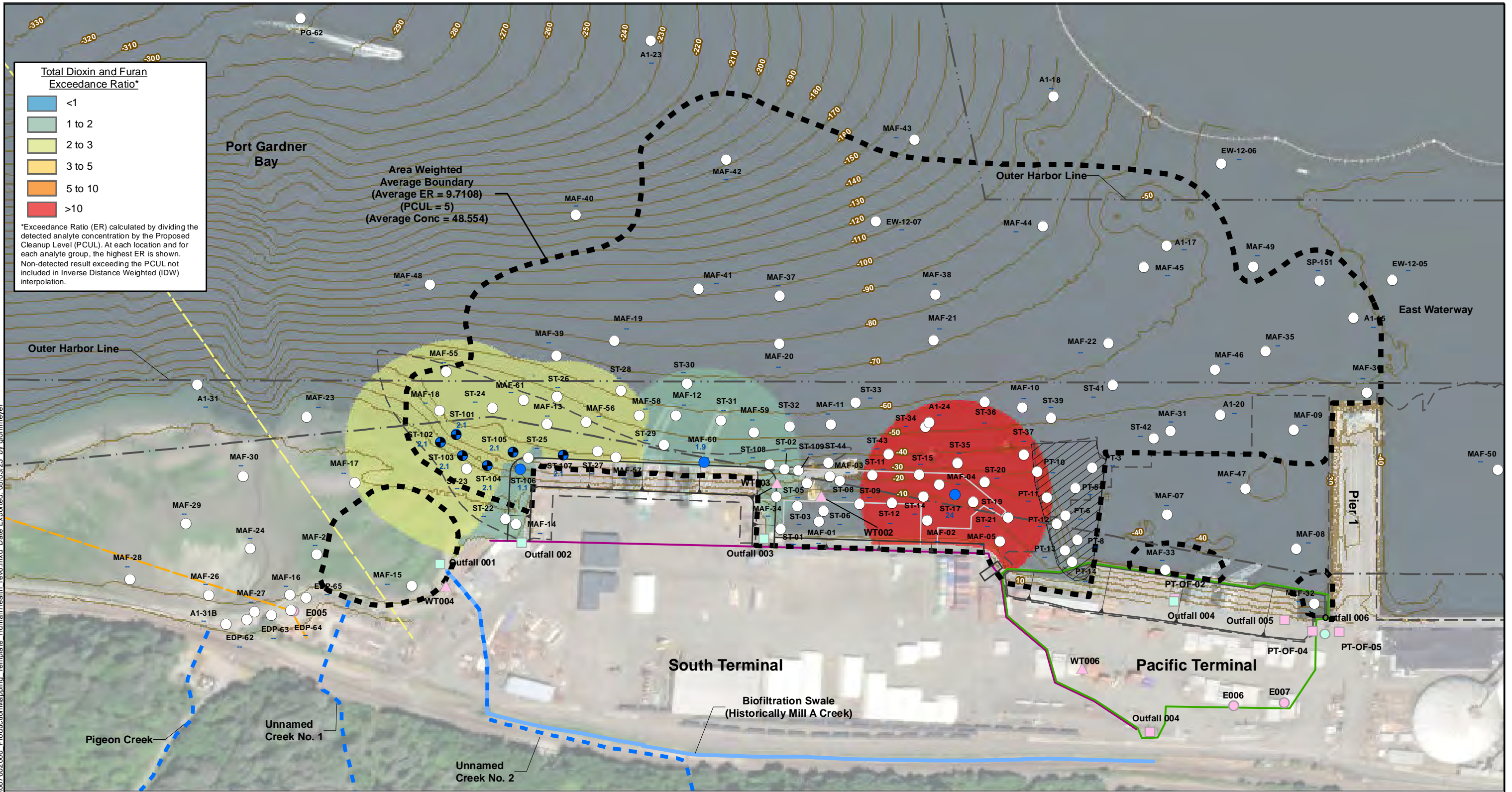
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (2-4 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-277



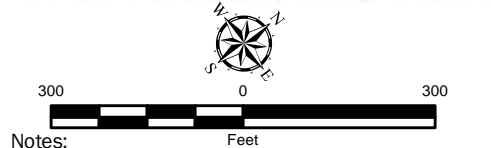
Total Dioxin and Furan Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 9.7108)
 (PCUL = 5)
 (Average Conc = 48.554)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

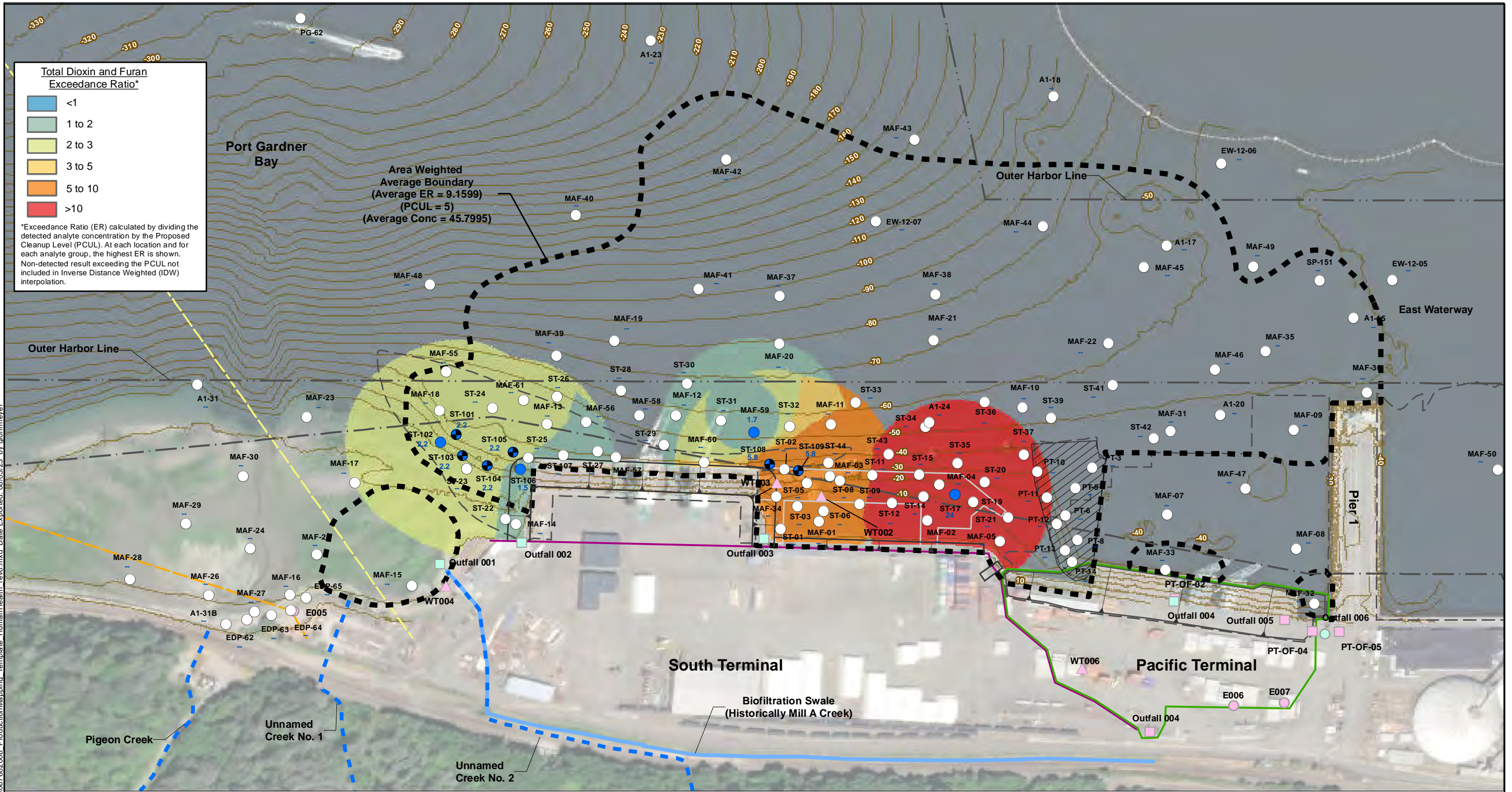
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (4-6 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-278



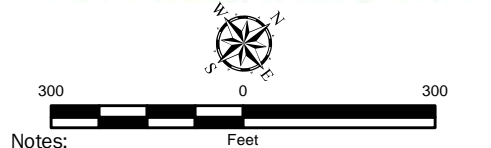
Total Dioxin and Furan Exceedance Ratio*

- <math><1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 9.1599)
(PCUL = 5)
(Average Conc = 45.7995)

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- Interpolation Method = Inverse Distance Weighted (IDW) Power = 6, Neighbors = 12. Radius = 300 feet.

Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

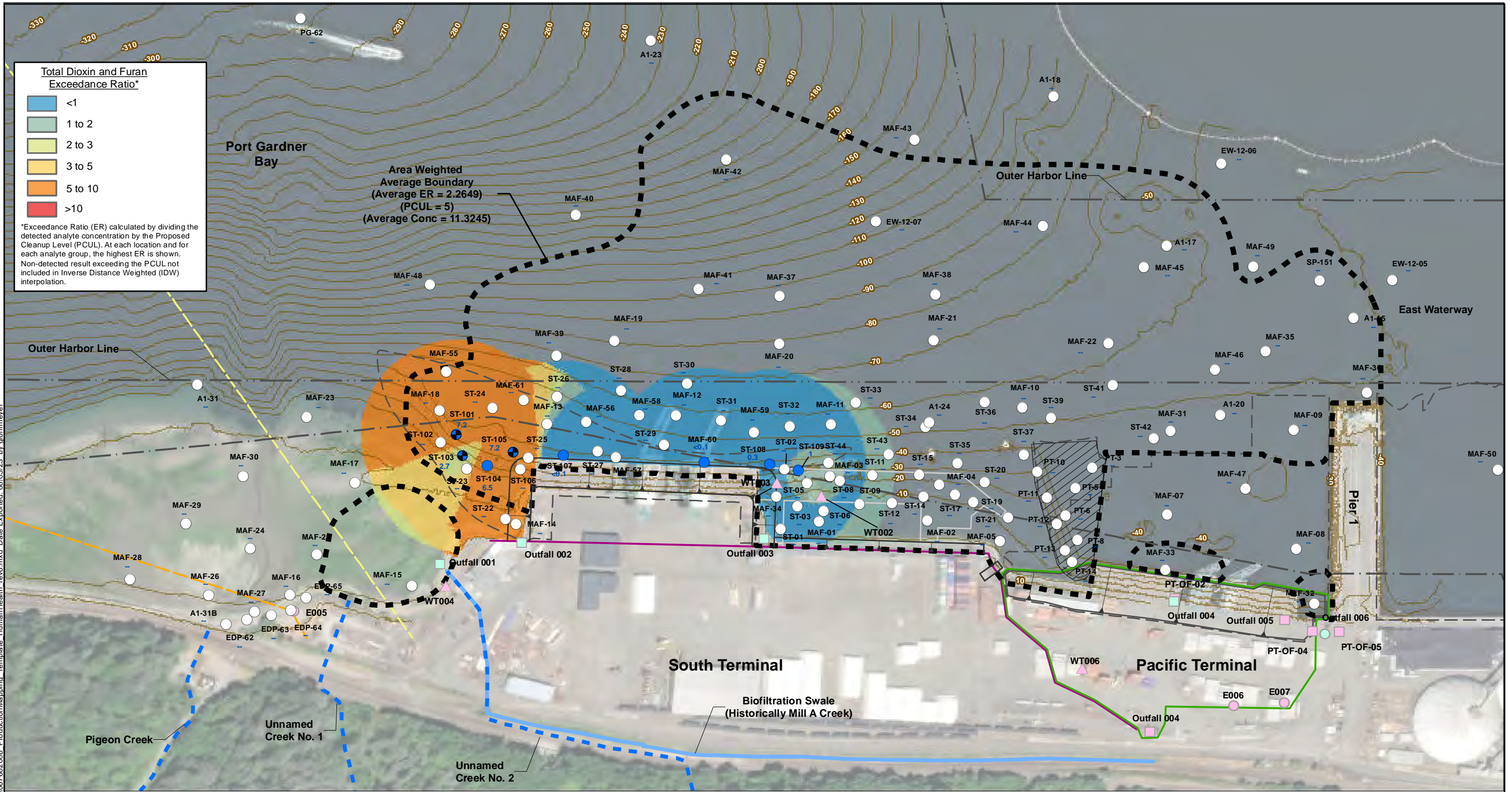
- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (6-8 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-279



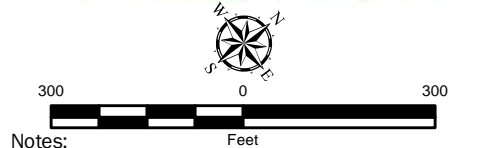
Total Dioxin and Furan Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 2.2649)
 (PCUL = 5)
 (Average Conc = 11.3245)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

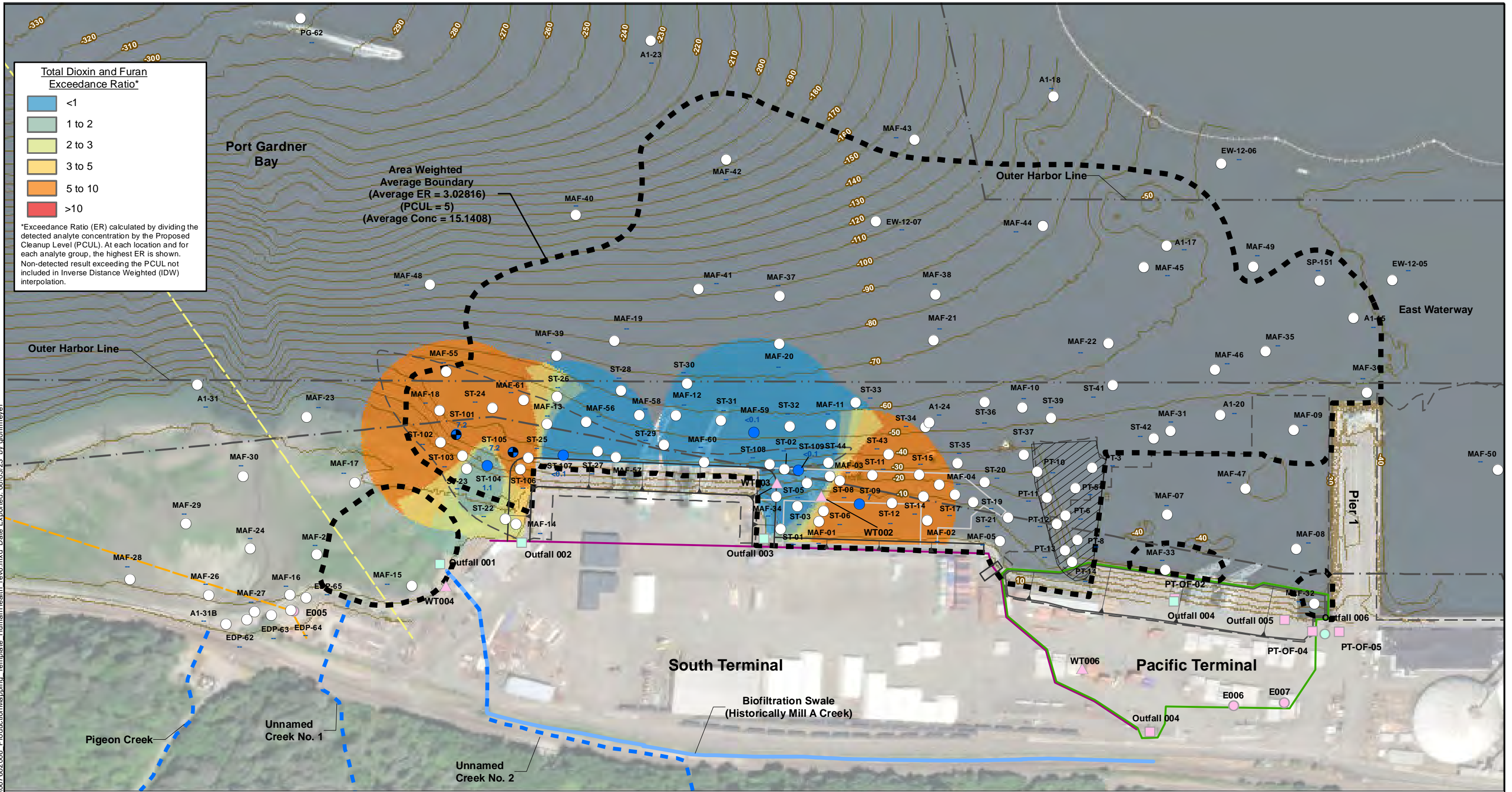
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (8-10 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-280



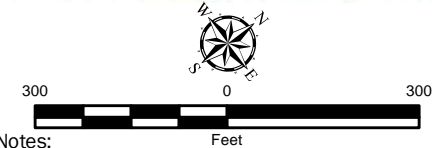
Total Dioxin and Furan Exceedance Ratio*

- <math>< 1</math>
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 3.02816)
 (PCUL = 5)
 (Average Conc = 15.1408)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

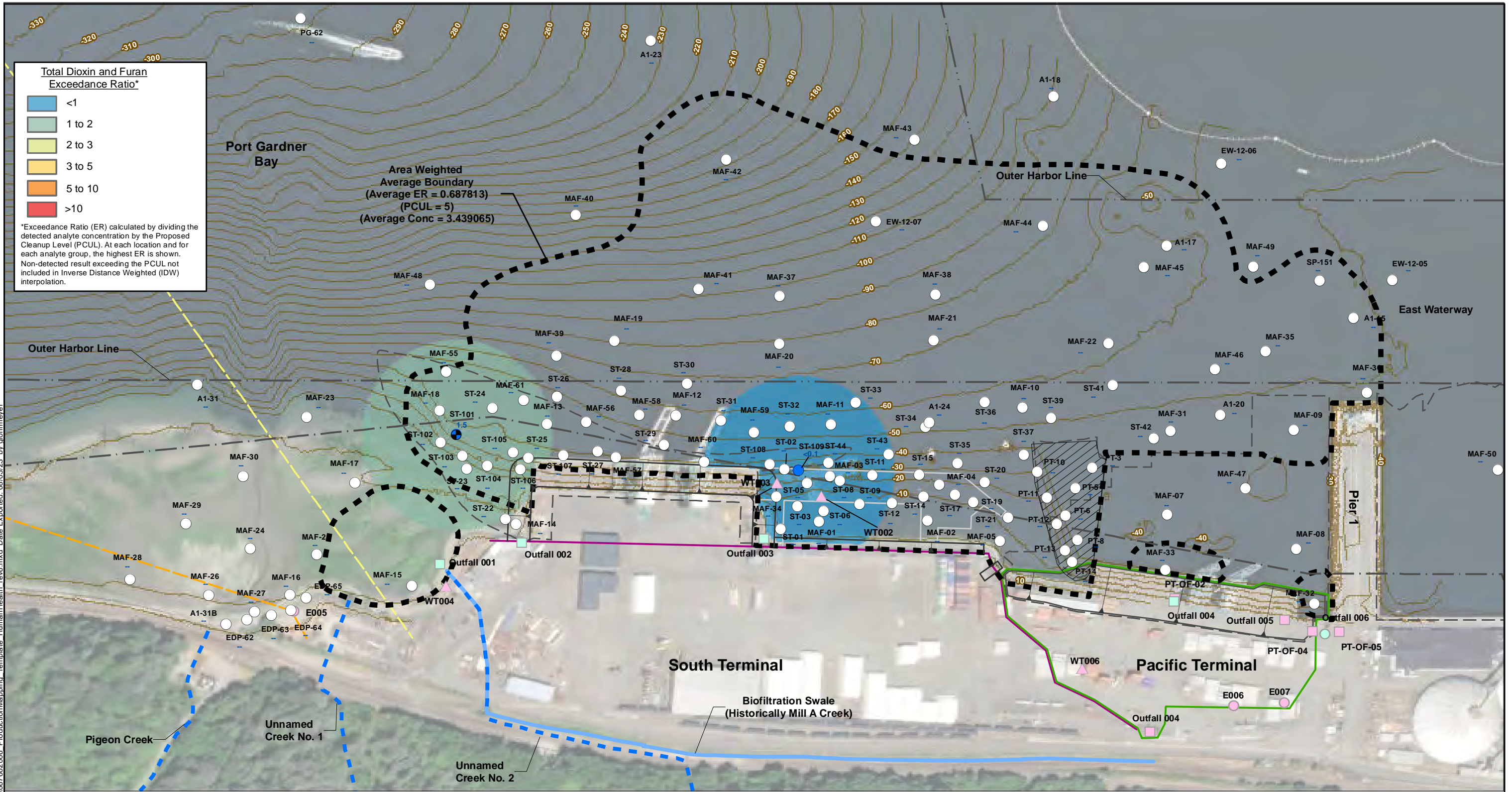
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (10-12 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-281



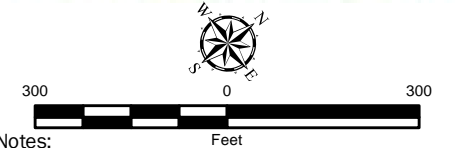
Total Dioxin and Furan Exceedance Ratio*

| |
|------------------|
| <math>< 1</math> |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
 (Average ER = 0.687813)
 (PCUL = 5)
 (Average Conc = 3.439065)

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Data Source: Base aerial from ESRI, 2022
 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 Sample Location Identification Result

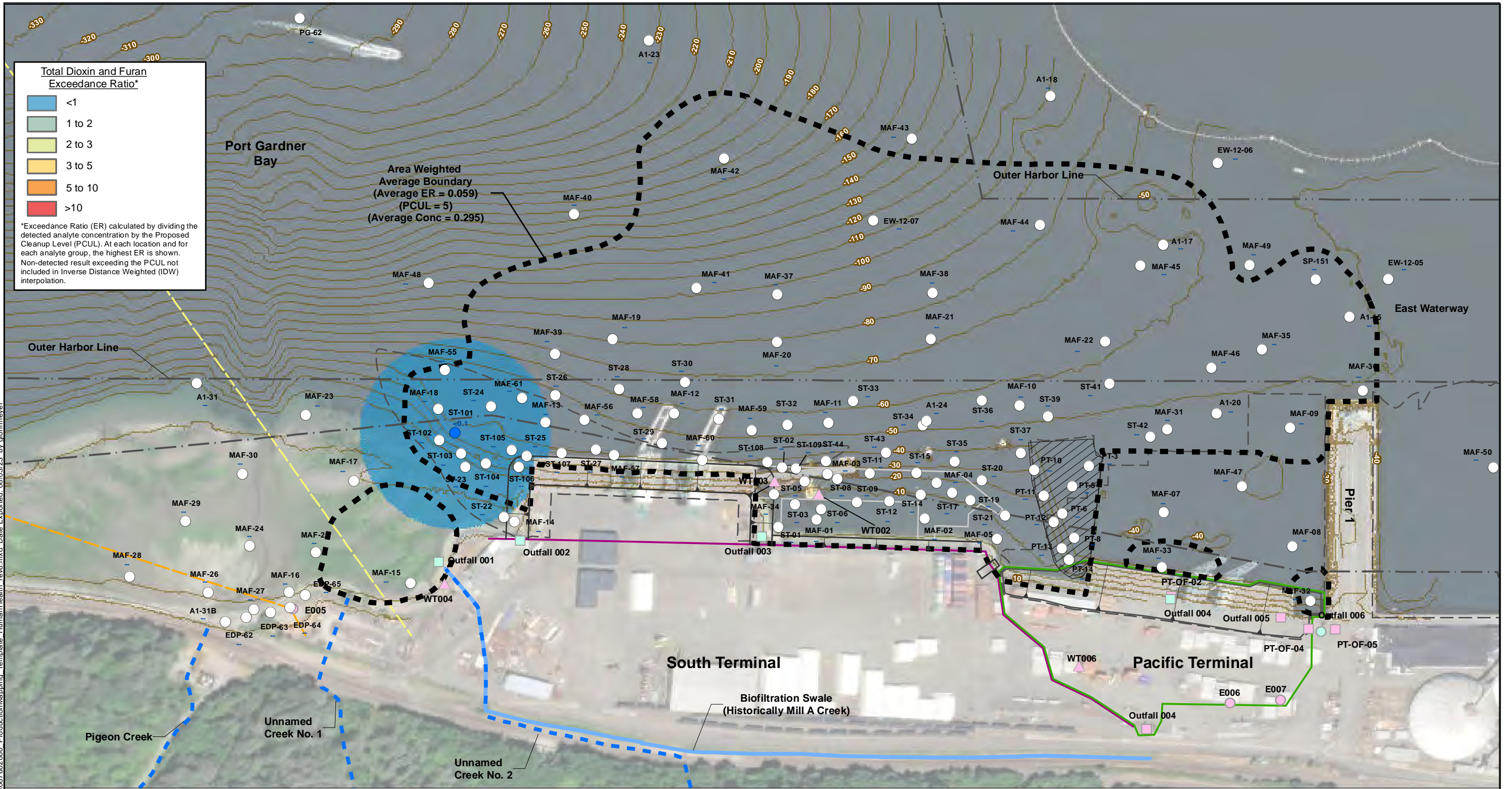
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▬ Bulkhead
- ▬ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▲ Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (12-14 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-282



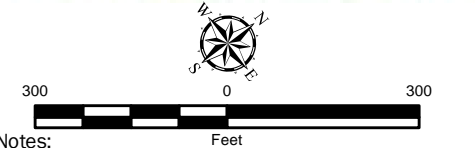
Total Dioxin and Furan Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary
(Average ER = 0.059)
(PCUL = 5)
(Average Conc = 0.295)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

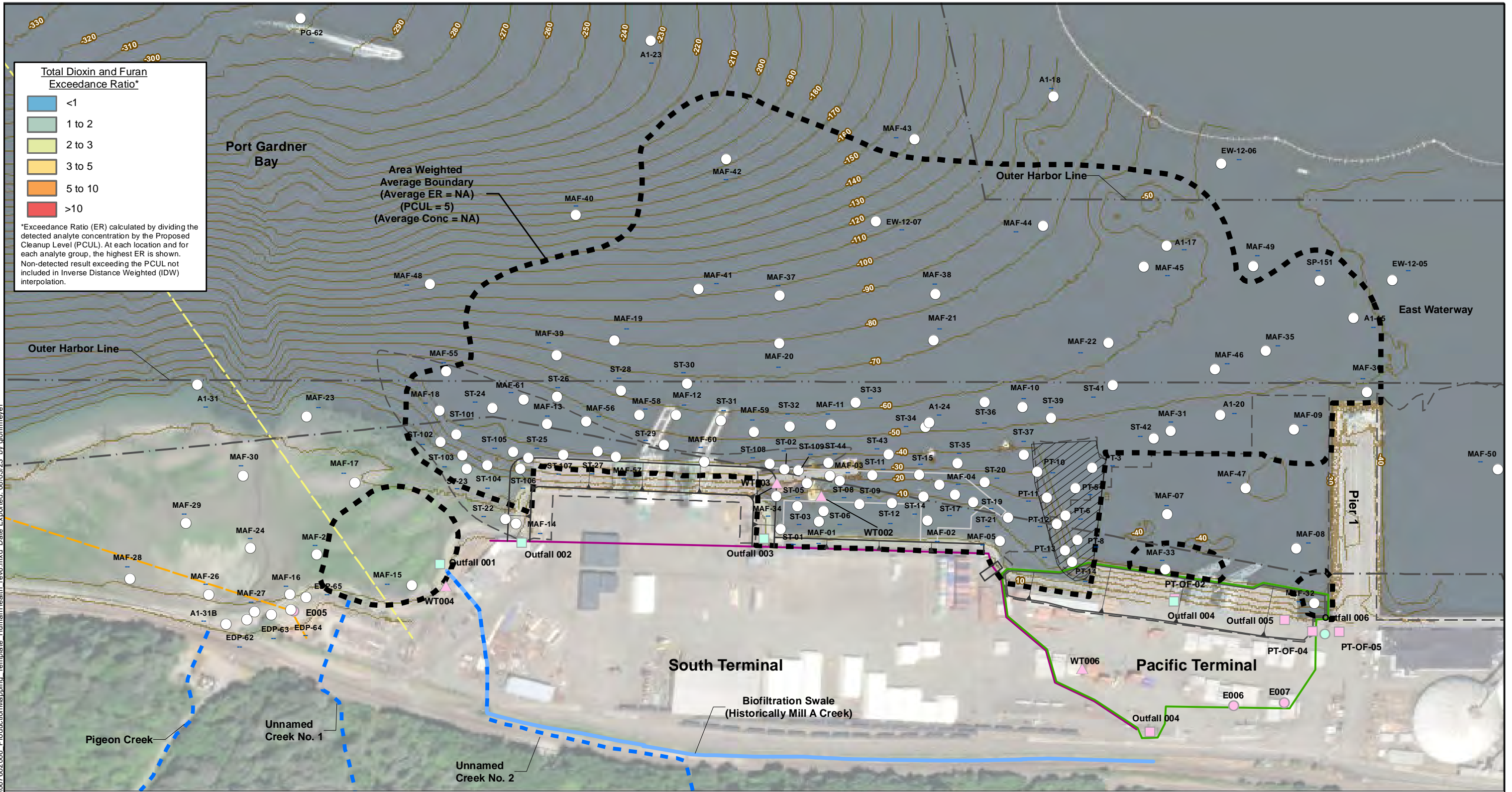
- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (14-16 ft)

Weyerhaeuser Mill A Former Everett, Washington

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Figure Q-283

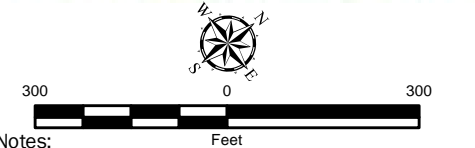


Total Dioxin and Furan Exceedance Ratio*

| |
|------------------|
| <math>< 1</math> |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

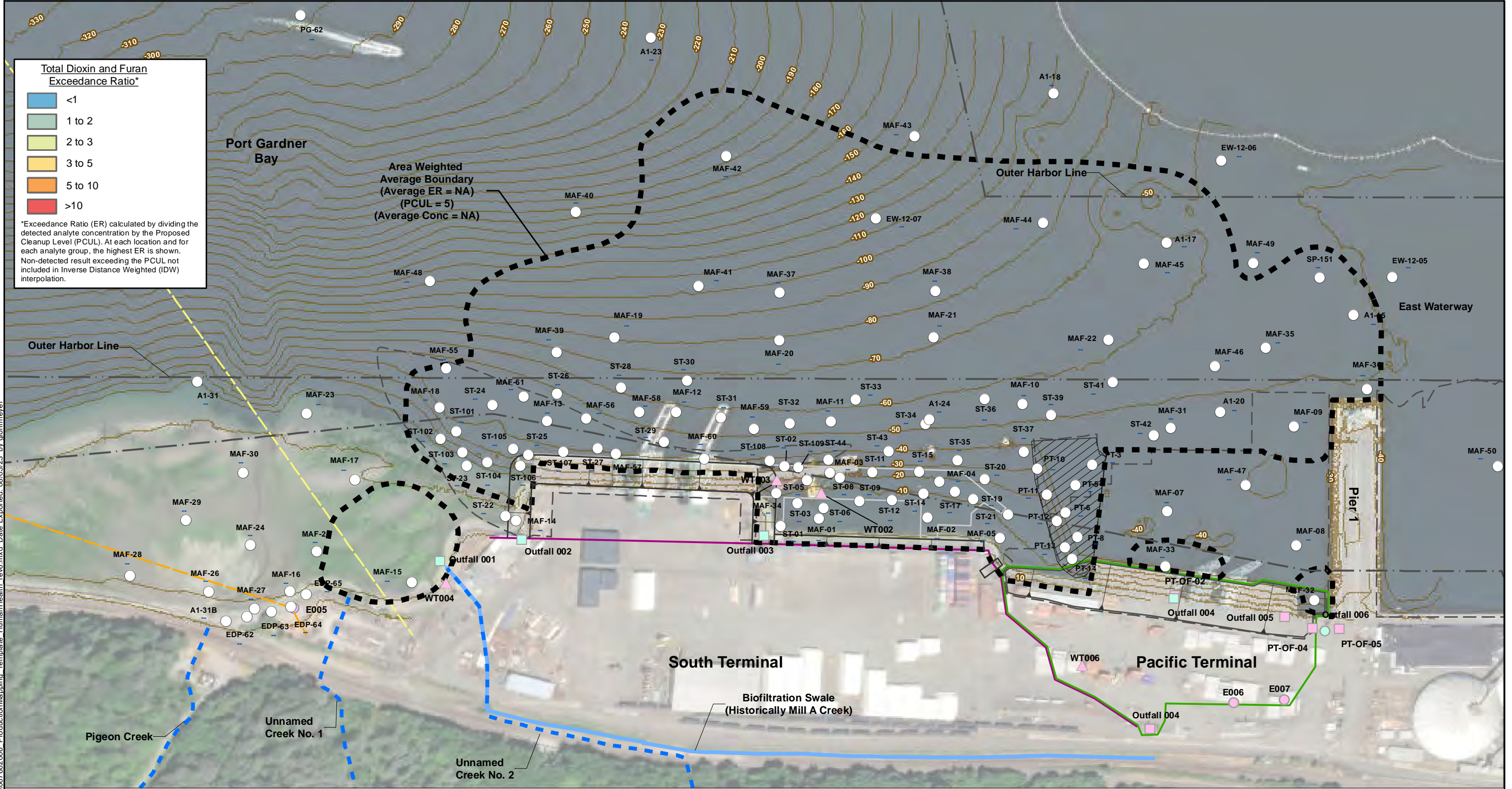
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▴ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (16-18 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-284



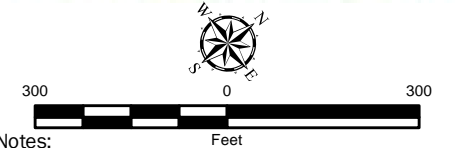
Total Dioxin and Furan Exceedance Ratio*

- <1
- 1 to 2
- 2 to 3
- 3 to 5
- 5 to 10
- >10

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 5) (Average Conc = NA)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- ⊕ Composite Sample Result
- ▨ Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

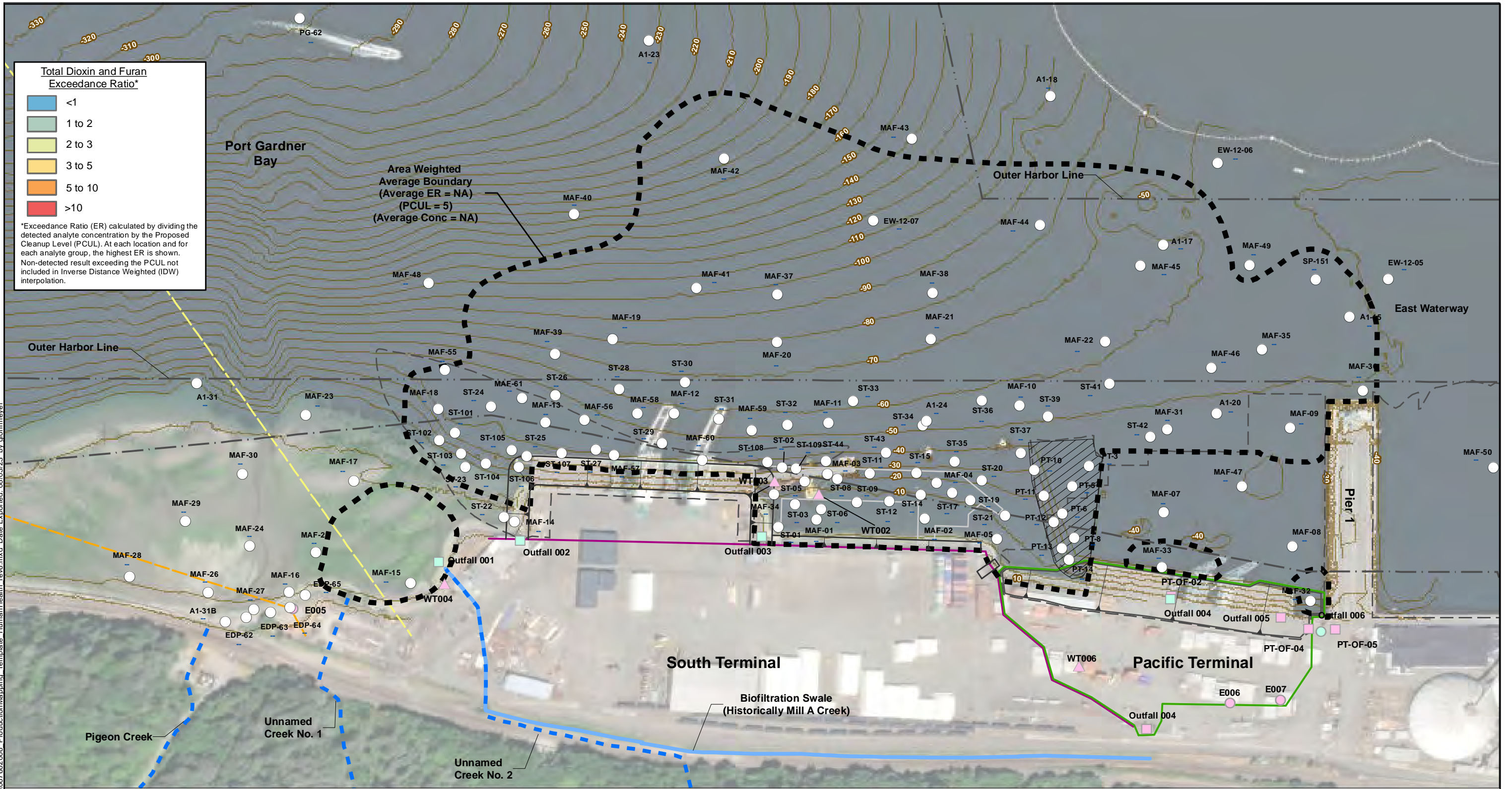
- Sample Location Identification Result
- ▭ Construction Berm
- ▭ Historical Piling Area
- ▭ Dredged Area
- ▭ Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- ▭ Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- ▭ Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- ▭ Bulkhead
- ▭ Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- ▭ Historical Industrial Outfall (Abandoned)
- ▭ Former Combined Sewer Outfall (CSO, Abandoned)
- ▭ Former Stormwater Outfall (Abandoned)
- ▭ Current CSO
- ▭ Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (18-20 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-285



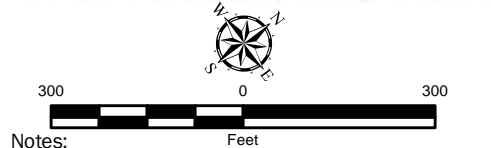
Total Dioxin and Furan Exceedance Ratio*

| |
|---------|
| <1 |
| 1 to 2 |
| 2 to 3 |
| 3 to 5 |
| 5 to 10 |
| >10 |

*Exceedance Ratio (ER) calculated by dividing the detected analyte concentration by the Proposed Cleanup Level (PCUL). At each location and for each analyte group, the highest ER is shown. Non-detected result exceeding the PCUL not included in Inverse Distance Weighted (IDW) interpolation.

Area Weighted Average Boundary (Average ER = NA) (PCUL = 5) (Average Conc = NA)

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Data Source: Base aerial from ESRI, 2022
Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend
Marine Area Remedial Investigation Sampling Location

- Discreet Sample Result
- No Sample/Result
- Non-Detect Result Exceeds PCUL
- Composite Sample Result
- Pacific Terminal Interim Action Dredge Area (Dredged to -42 feet MLLW in 2016/2017)

MAF-01 1.22

- Sample Location Identification Result
- Construction Berm
- Historical Piling Area
- Dredged Area
- Nearshore Confined Disposal (NCD) Facility (Former Log Pond)
- Current Kimberly-Clark/City of Everett/ City of Marysville Outfall 100 (Approximate)
- Historical Kimberly-Clark/Weyerhaeuser Outfall SW001 (Approximate)

- Bulkhead
- Topography/Bathymetry Contour (Feet Mean Lower Low Water [MLLW])
- Historical Industrial Outfall (Abandoned)
- Former Combined Sewer Outfall (CSO, Abandoned)
- Former Stormwater Outfall (Abandoned)
- Current CSO
- Current Stormwater Outfall

Total Dioxin and Furan Results (Human Health) Subsurface Sediment (20-22 ft)

Weyerhaeuser Mill A Former Everett, Washington

Figure Q-286