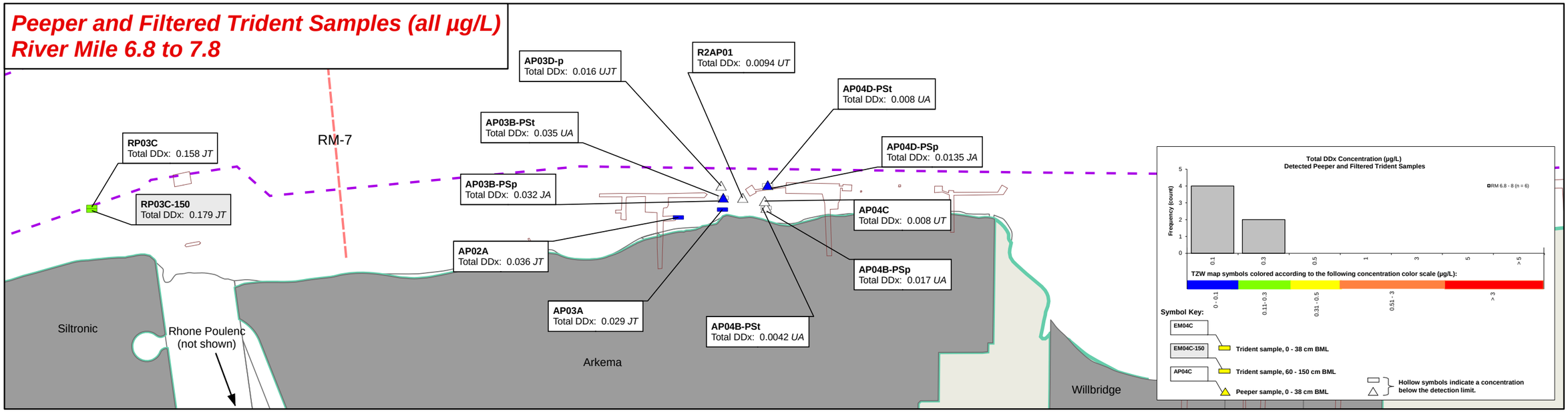

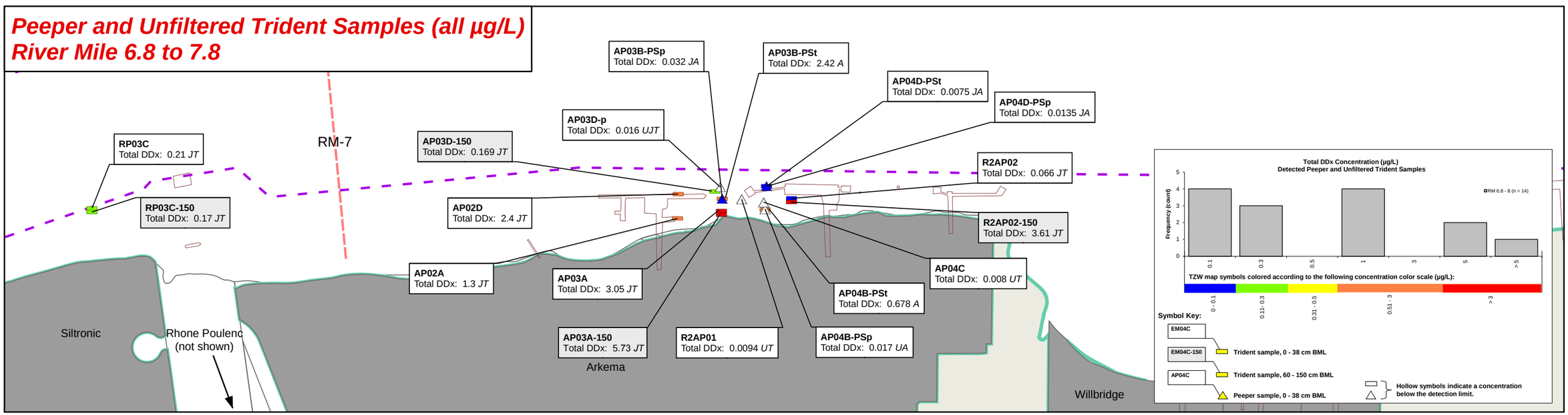

FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

Qualifiers:
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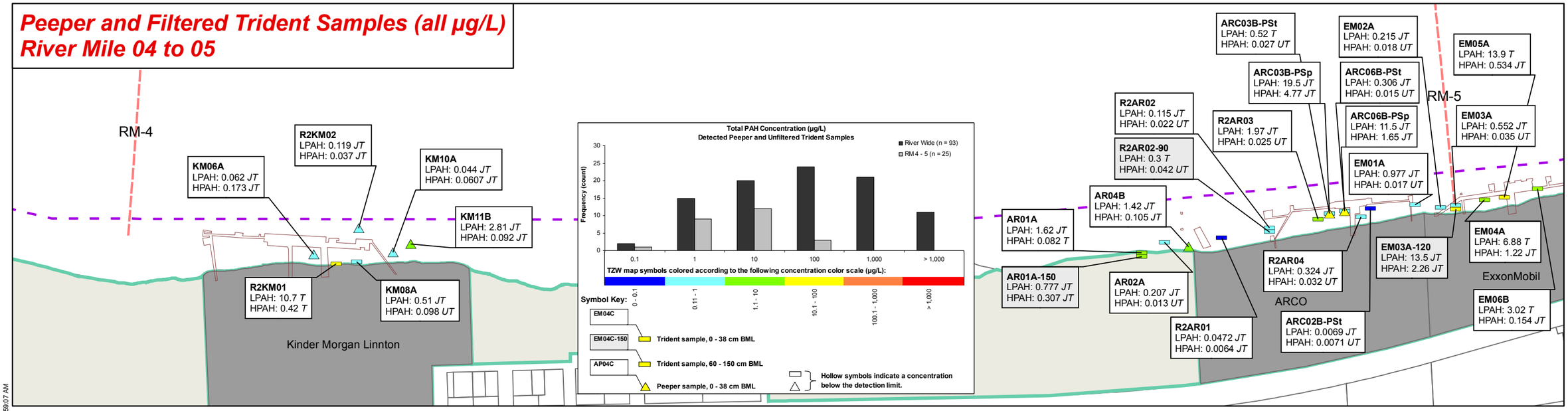
UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

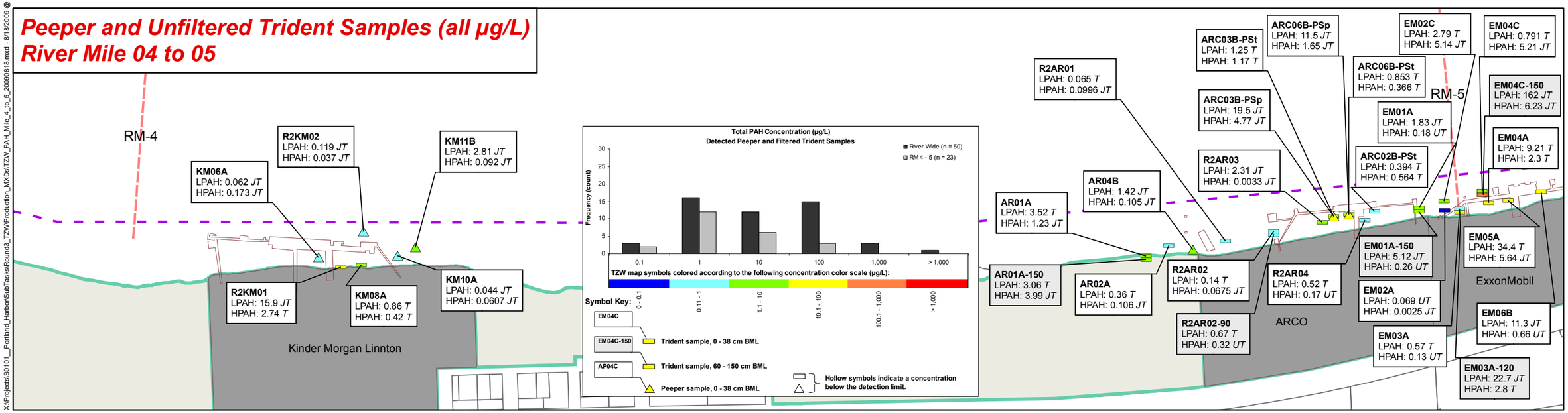
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-1
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Total DDx (µg/L)
River Mile 6.8 to 7.8





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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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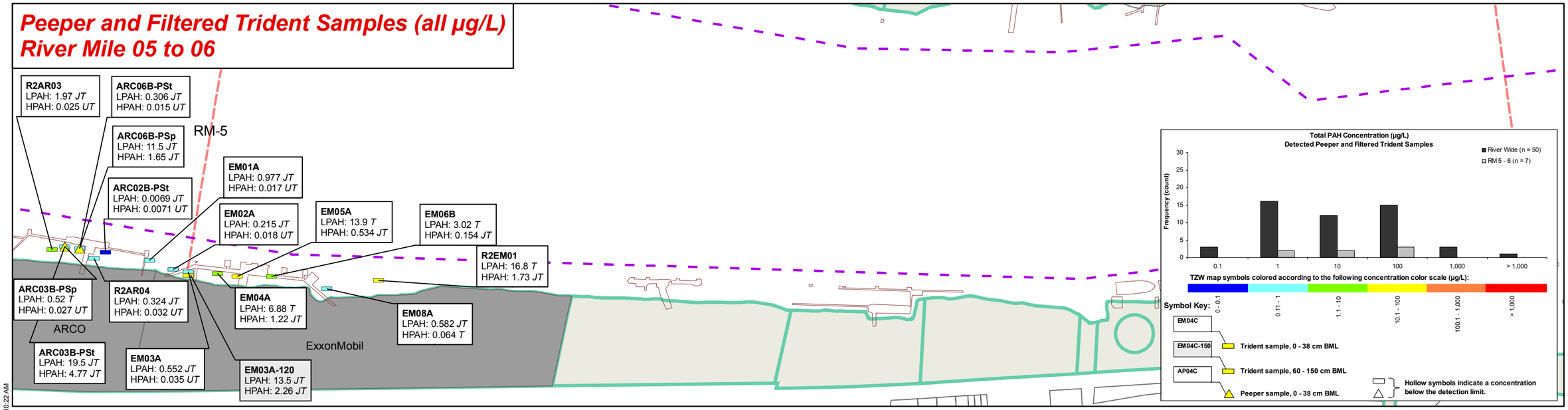
A Total value based on a limited number of analytes.

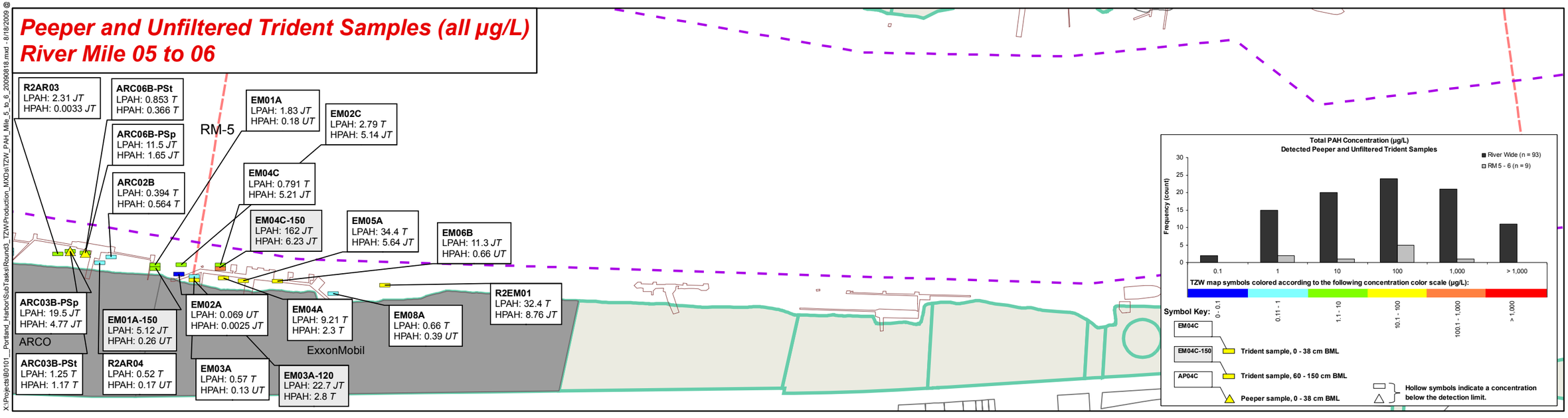
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-2a
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Total PAHs (µg/L)
River Mile 04 to 05





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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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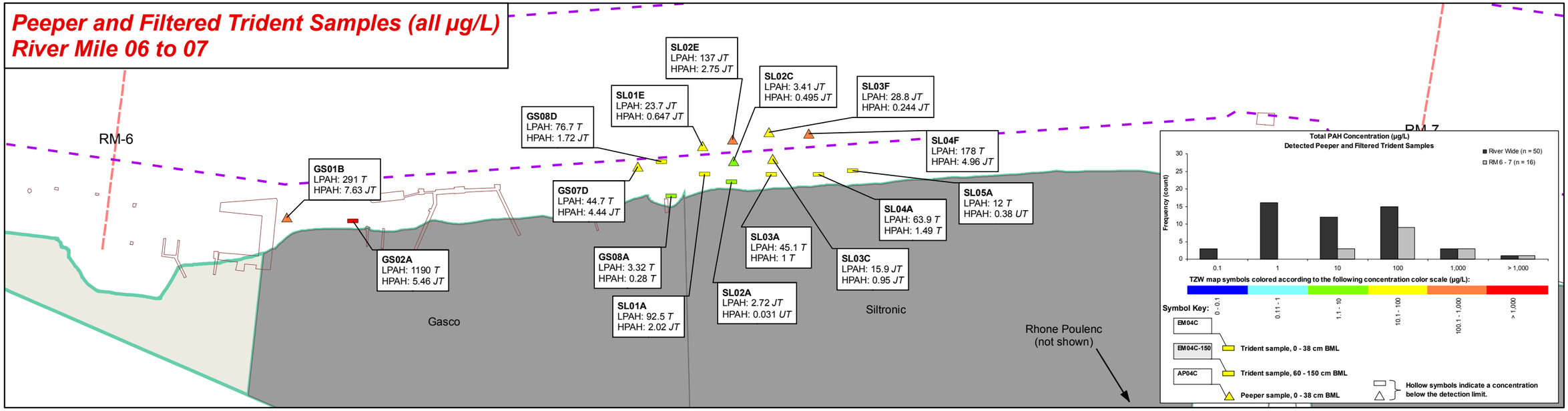
A Total value based on a limited number of analytes.

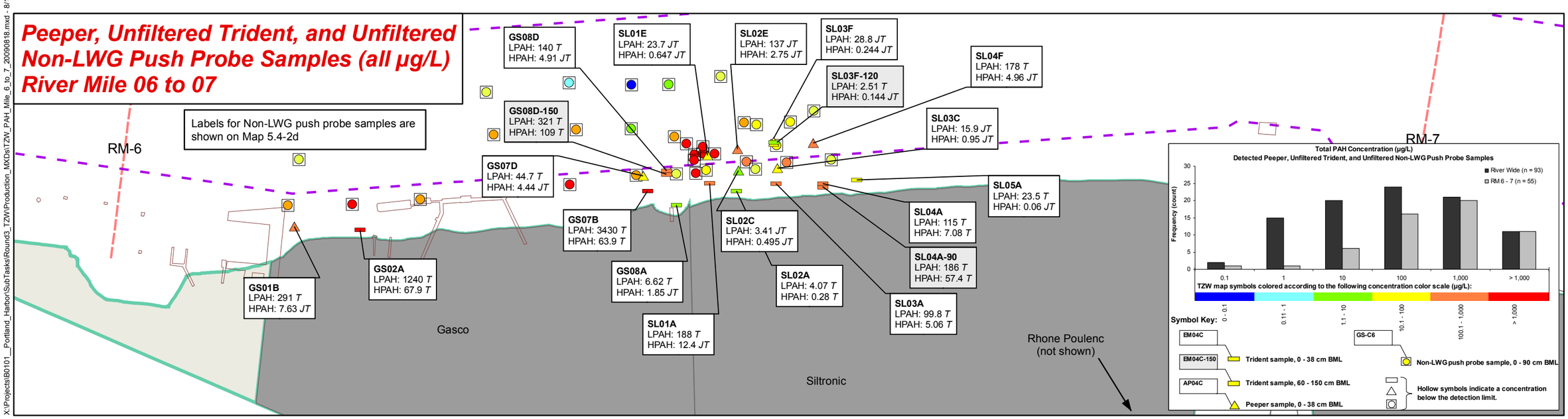
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-2b
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Total PAHs (µg/L)
River Mile 05 to 06





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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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A Total value based on a limited number of analytes.

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-2c
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Total PAHs (µg/L)
River Mile 06 to 07

Peeper, Unfiltered Trident, and Unfiltered Non-LWG Push Probe Samples (all µg/L) River Mile 06 to 07

Labels for trident and peeper samples are shown on Map 5.4-2c

RM-6

RM-7

GS-D4
LPAH: 2.9*JT*
HPAH: 0.088*JT*

GS-C7
LPAH: 160*T*
HPAH: 39*T*

GP68
LPAH: 12800 *T*
HPAH: 286 *T*

SL01E
LPAH: 23.7 *JT*
HPAH: 0.647 *JT*

GP61
LPAH: 37.2 *T*
HPAH: 1.71 *T*

GS-C8
LPAH: 420*JT*
HPAH: 170*T*

GS-D3
LPAH: 0.014*JT*
HPAH: 0.079*JA*

GP69
LPAH: 11900 *T*
HPAH: 199 *T*

GS-C5
LPAH: 120*T*
HPAH: 47*T*

GS-C6
LPAH: 8.6*JT*
HPAH: 0.022*JT*

GP63
LPAH: 29.7 *T*
HPAH: 2.4 *T*

GS-D1
LPAH: 7.1*T*
HPAH: 41*T*

GS-D2
LPAH: 0.053*JT*
HPAH: 0.11*JT*

GS-D5
LPAH: 53*JT*
HPAH: 0.23*JT*

GS-C9
LPAH: 43*T*
HPAH: 3.8*JT*

GS-C4
LPAH: 550*T*
HPAH: 330*T*

GS-C3
LPAH: 100*T*
HPAH: 350*T*

GS-C1
LPAH: 19*T*
HPAH: 8.4*T*

GP70
LPAH: 5080 *T*
HPAH: 175 *T*

GP55
LPAH: 42.8 *T*
HPAH: 12.9 *T*

GS-B9
LPAH: 10*T*
HPAH: 6.2*T*

GS-B3
LPAH: 22*T*
HPAH: 91*T*

GS-B1
LPAH: 95*T*
HPAH: 180*T*

GP62
LPAH: 174 *T*
HPAH: 30.5 *T*

GS-B6
LPAH: 290*T*
HPAH: 110*T*

GP64
LPAH: 12500 *T*
HPAH: 53.2 *T*

GS-B8
LPAH: 5*JT*
HPAH: 9.1*T*

GS-B2
LPAH: 1200*T*
HPAH: 880*T*

GS-B4
LPAH: 160*T*
HPAH: 98*T*

GS-B5
LPAH: 2400*T*
HPAH: 490*JT*

GS-B7
LPAH: 89*T*
HPAH: 11*T*

GP75
LPAH: 96 *T*
HPAH: 17.9 *T*

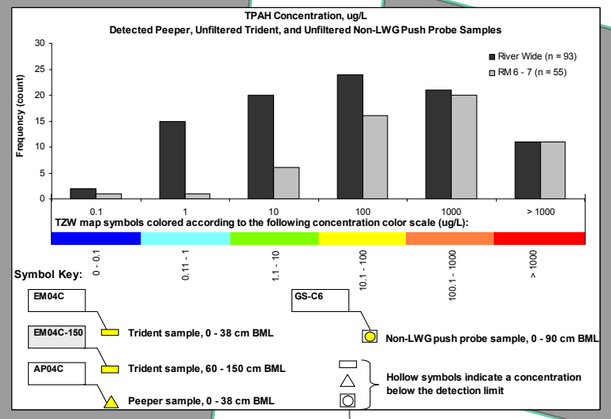
GP81
LPAH: 8730 *T*
HPAH: 66.2 *T*

GP82
LPAH: 4110 *T*
HPAH: 44.3 *T*

GP76
LPAH: 60.2 *T*
HPAH: 15 *T*

Gasco

Siltronic



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Map Features

- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

Qualifiers:
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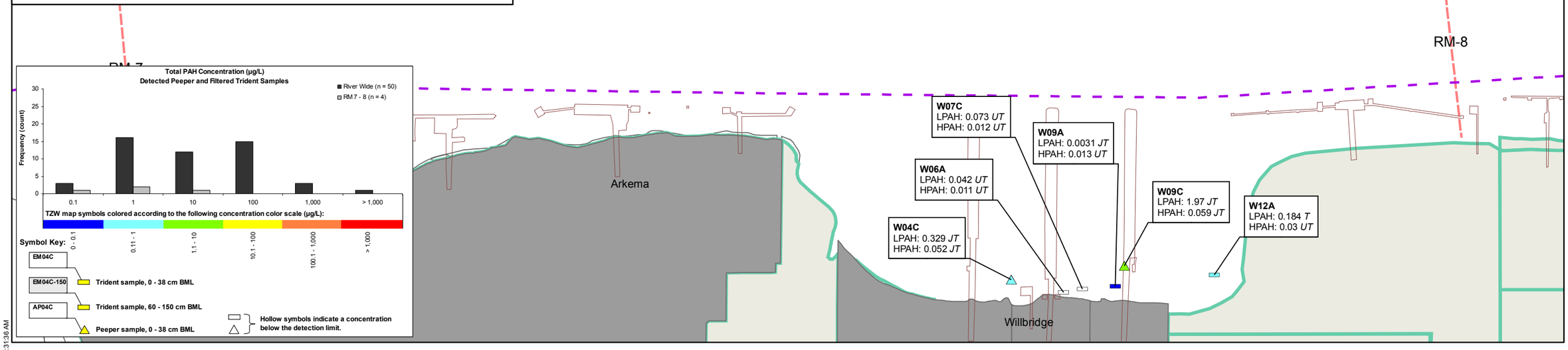
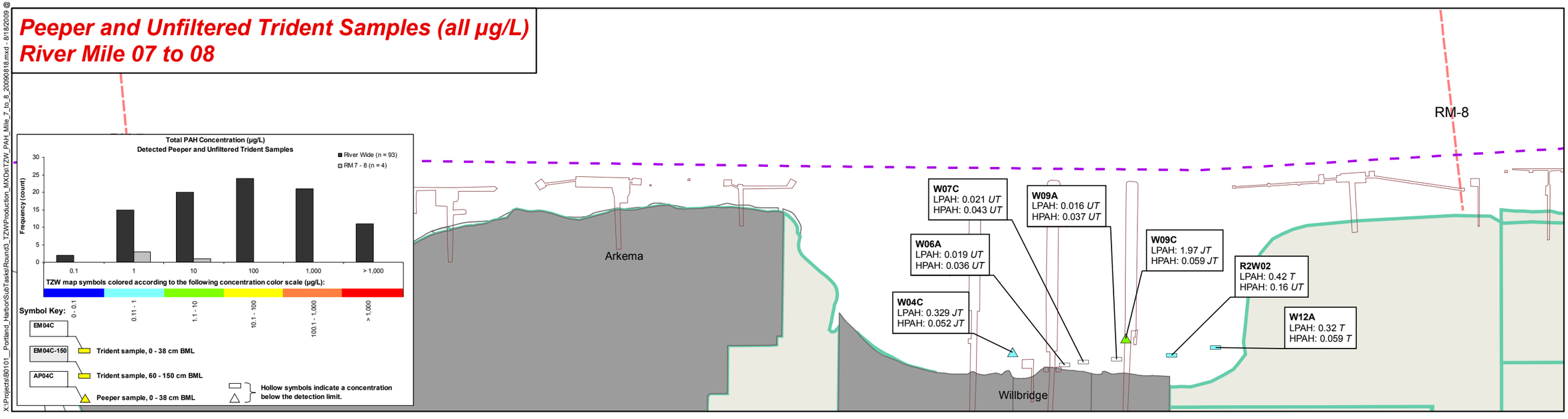
A Total value based on a limited number of analytes.

Map 5.5-2d
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Total PAHs (µg/L)
River Mile 06 to 07, zoom

Peeper and Filtered Trident Samples (all µg/L)
River Mile 07 to 08



Peeper and Unfiltered Trident Samples (all µg/L)
River Mile 07 to 08



FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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A Total value based on a limited number of analytes.

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-2e
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Total PAHs (µg/L)
River Mile 07 to 08

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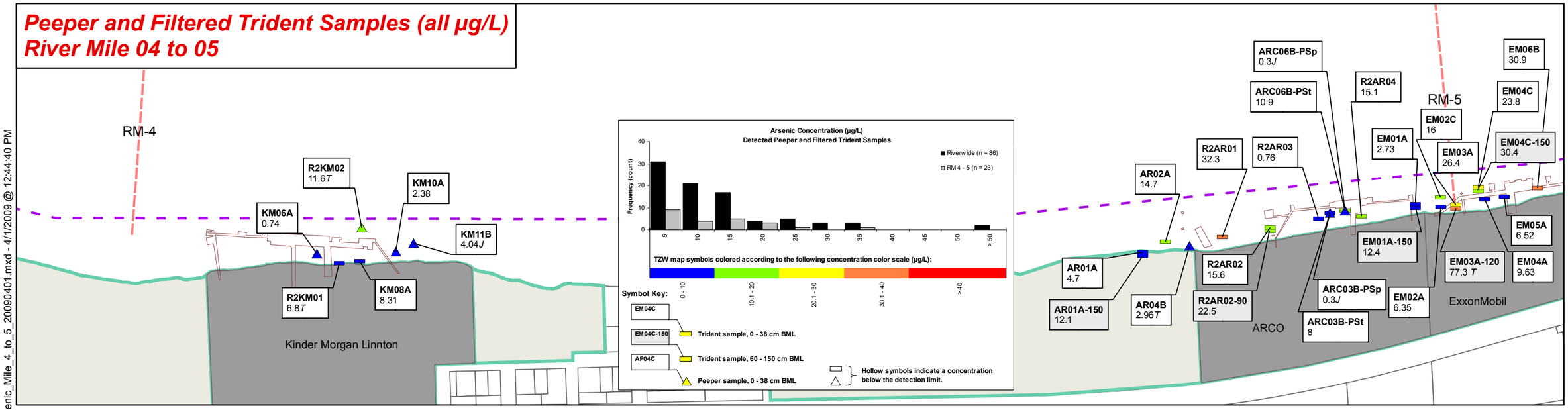

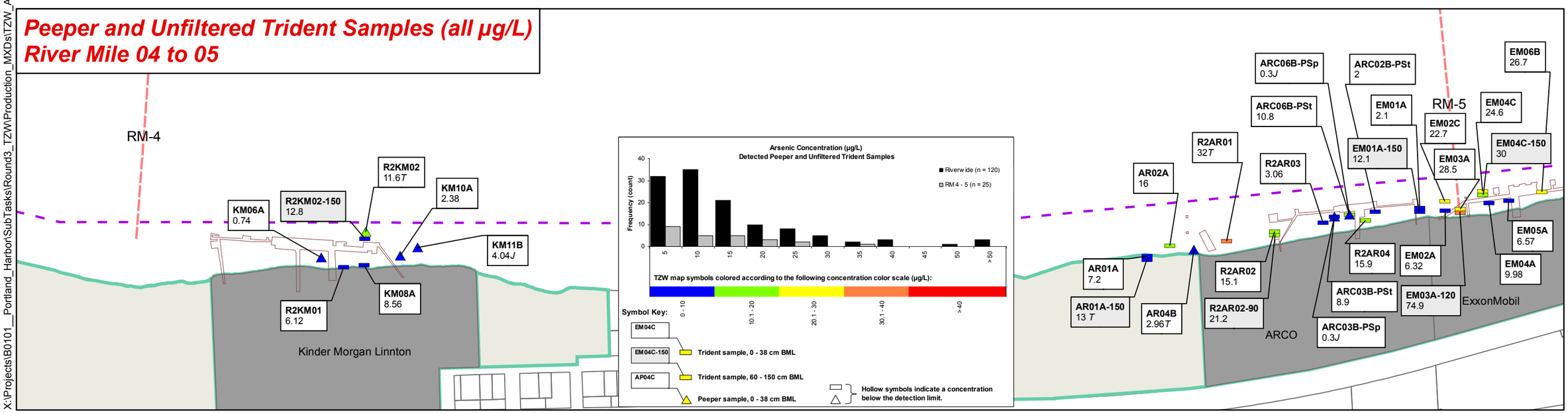

FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-3a
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Arsenic (µg/L)
River Mile 04 to 05

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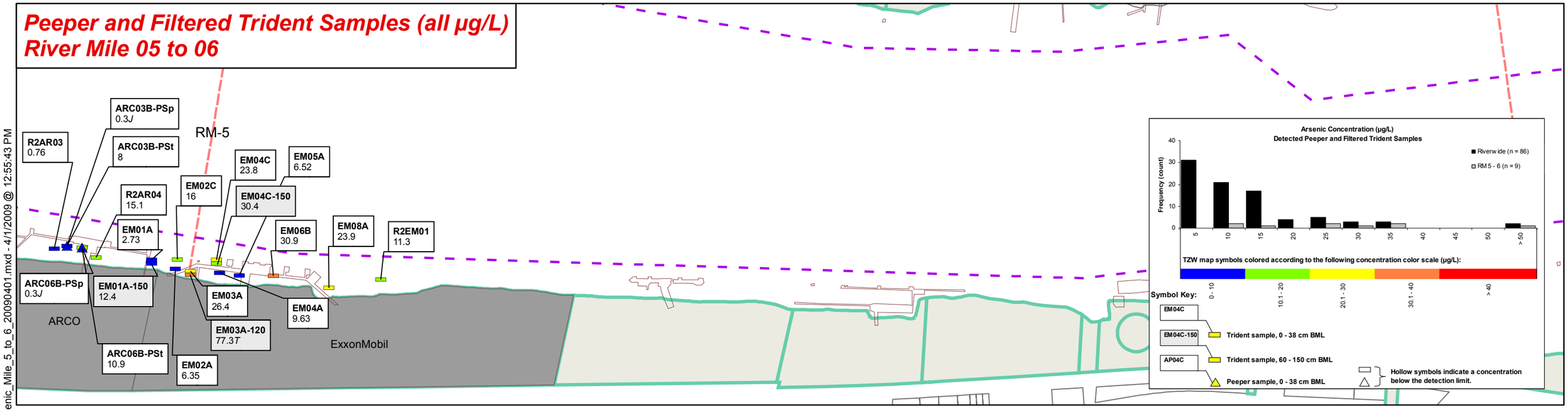

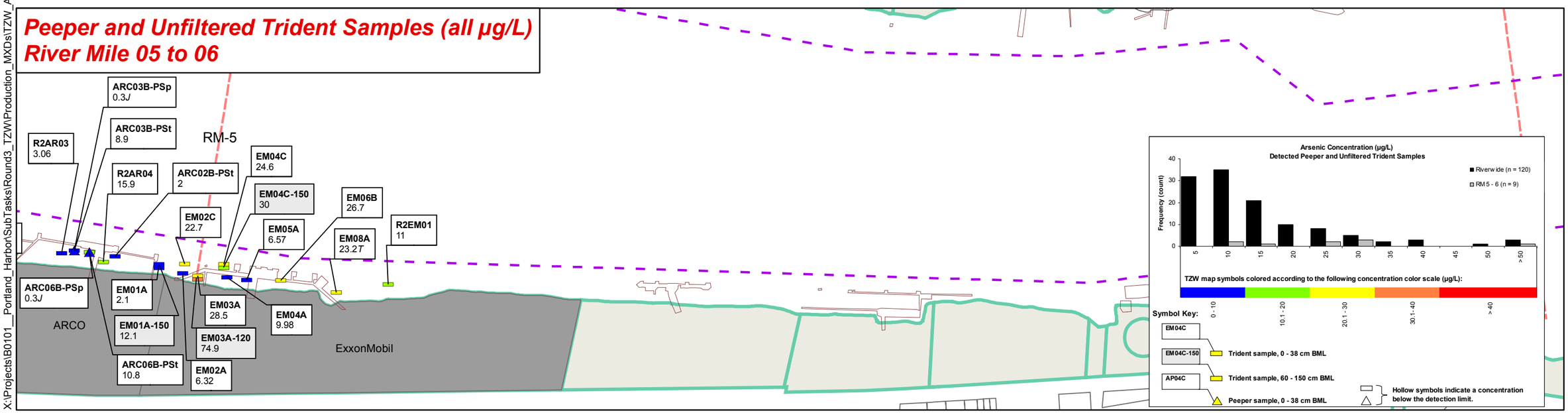

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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

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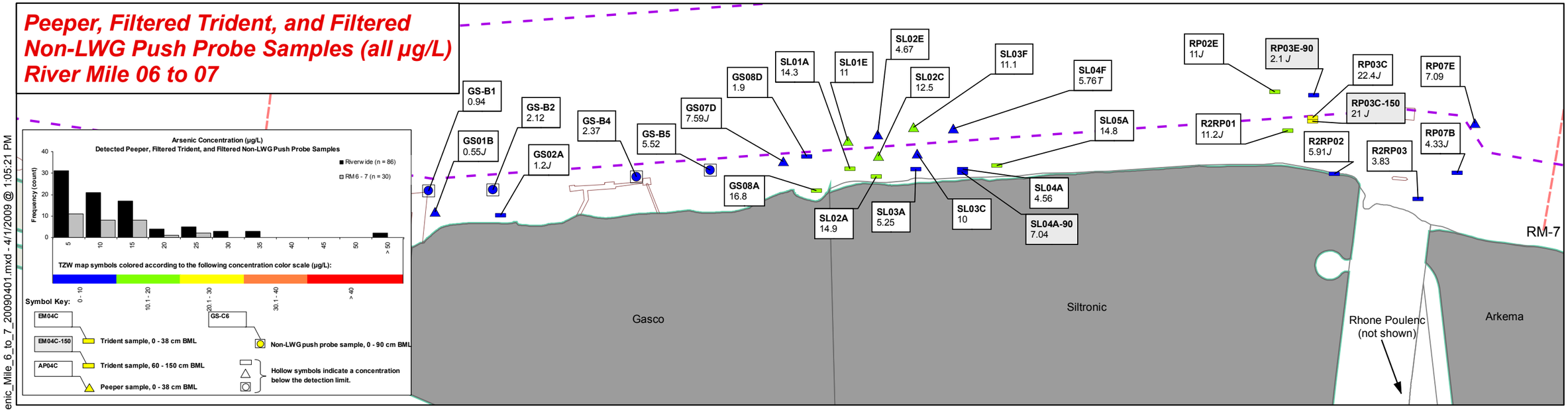
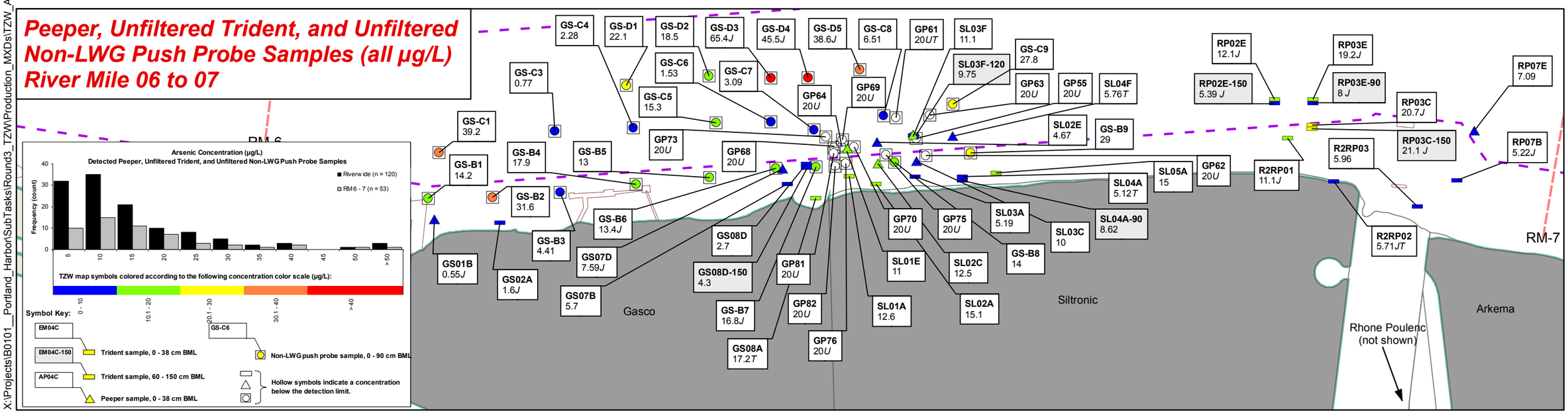
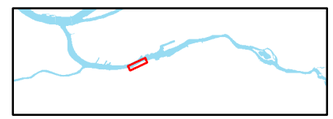
Map 5.5-3b
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Arsenic (µg/L)
River Mile 05 to 06





FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos



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A Total value based on a limited number of analytes.

Map Features:
- River Miles
- R2 GWPA Study Site
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- Upland Sites ECSI (2008)

N

0 250 500 750 1,000 Feet

Map 5.5-3c
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Arsenic (µg/L)
River Mile 06 to 07

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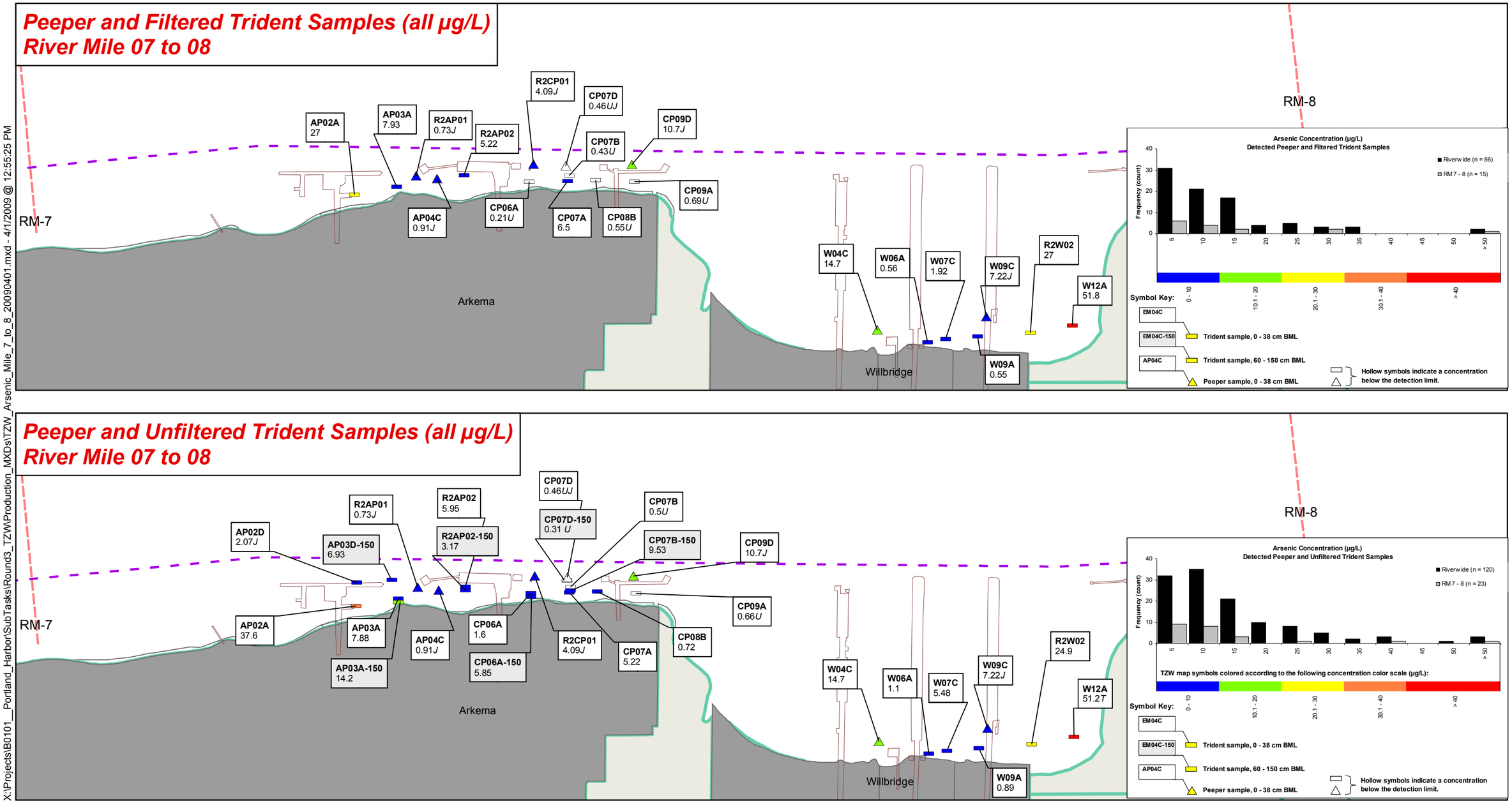

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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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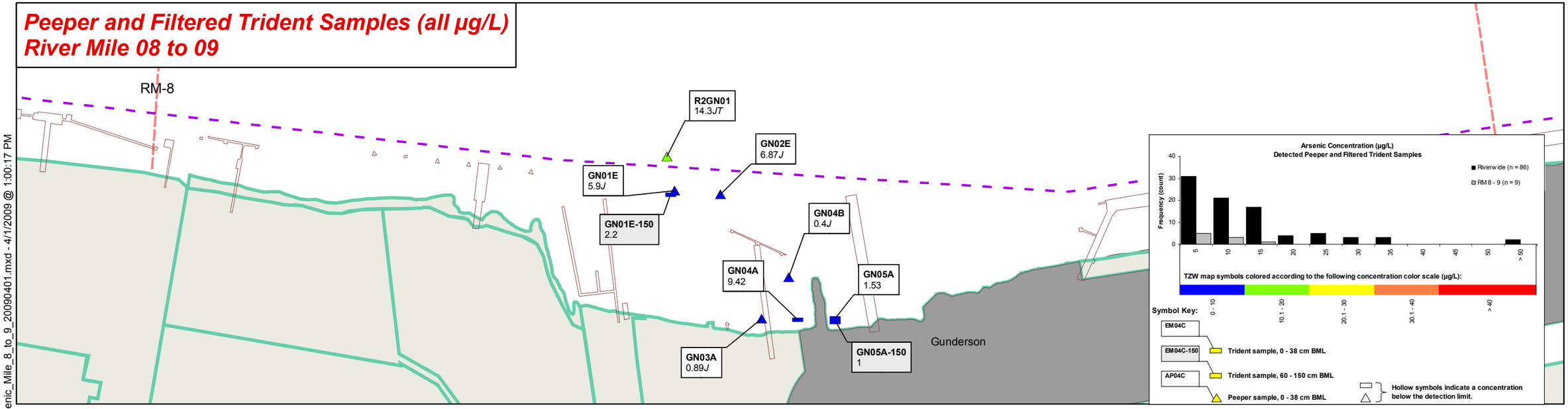
A Total value based on a limited number of analytes.

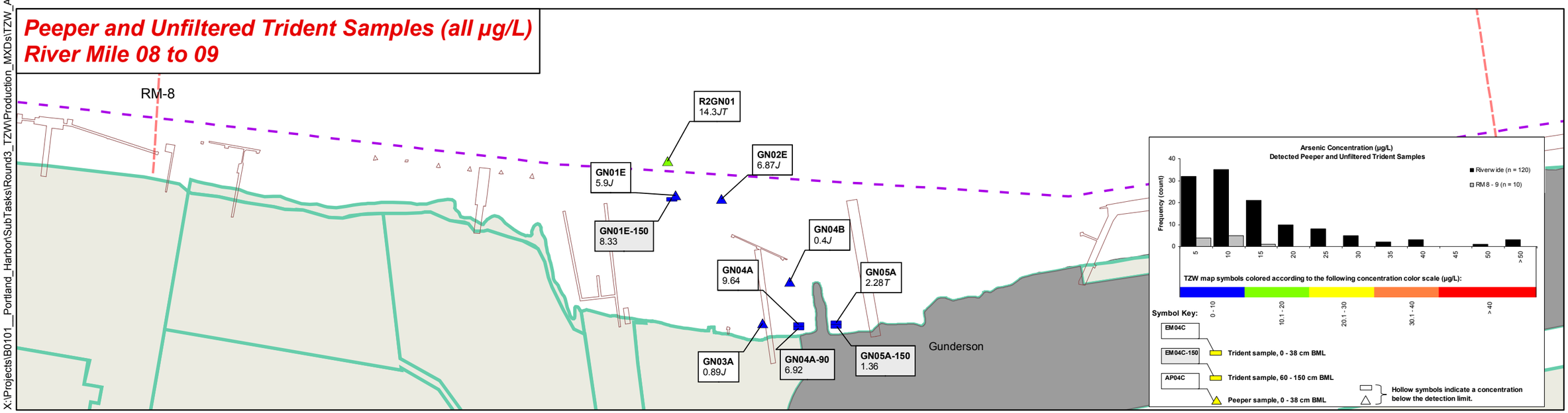
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-3d
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Arsenic (µg/L)
River Mile 07 to 08





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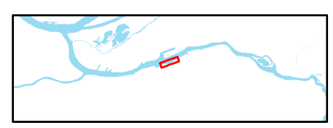
FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos



Tabular Results Notes:
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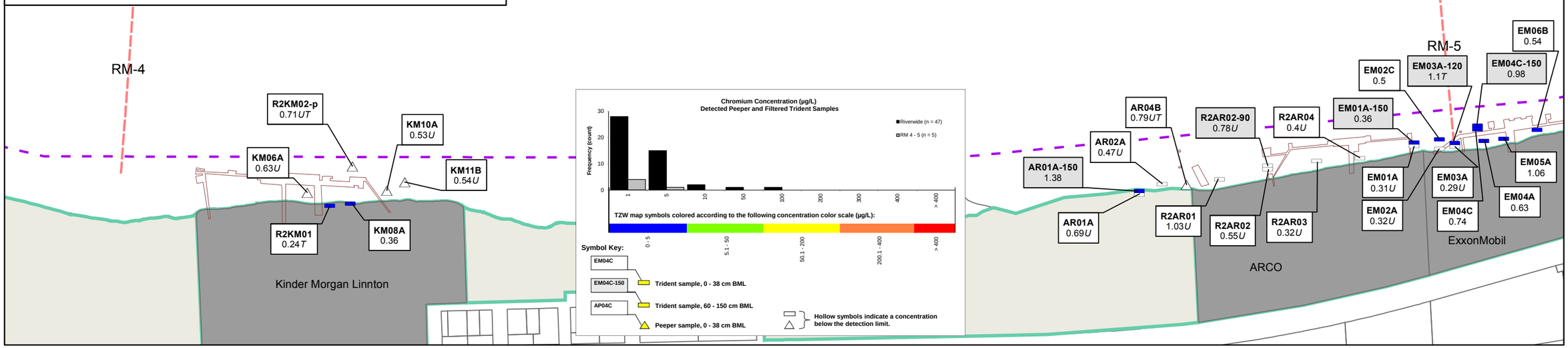
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

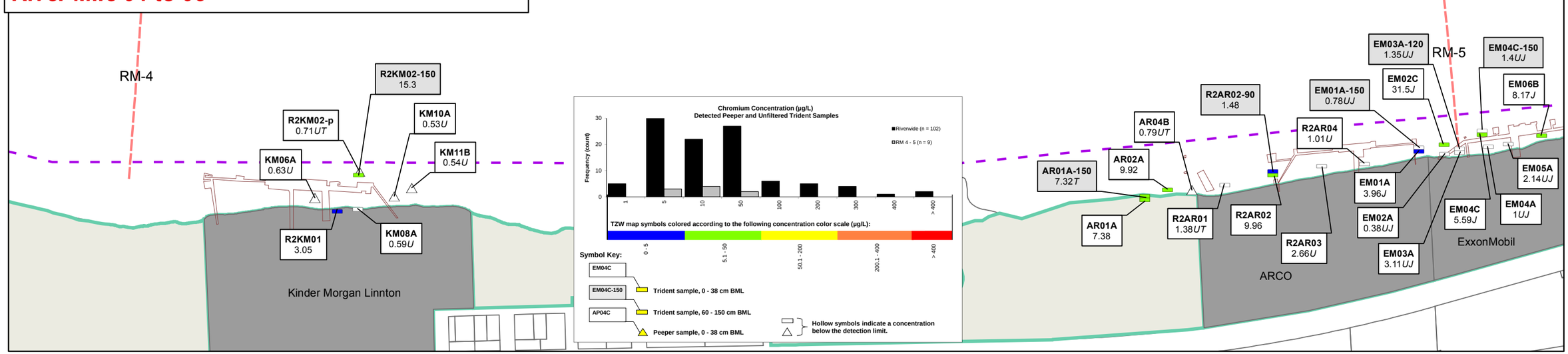
0 250 500 750 1,000 Feet

Map 5.5-3e
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Arsenic (µg/L)
River Mile 08 to 09

Peeper and Filtered Trident Samples (all µg/L)
River Mile 04 to 05



Peeper and Unfiltered Trident Samples (all µg/L)
River Mile 04 to 05



FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-4a
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Chromium (µg/L)
River Mile 04 to 05

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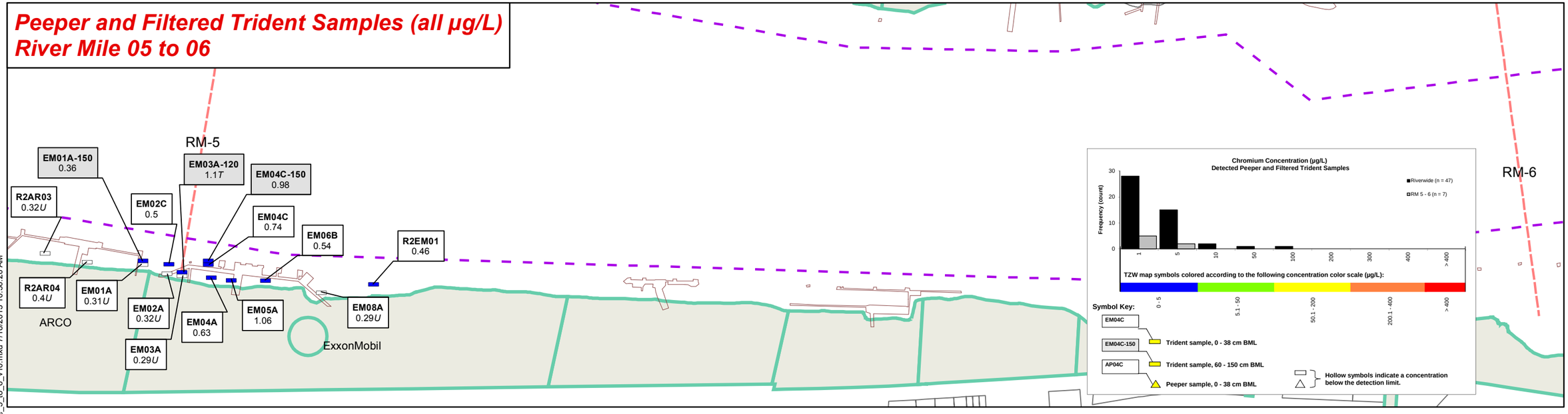

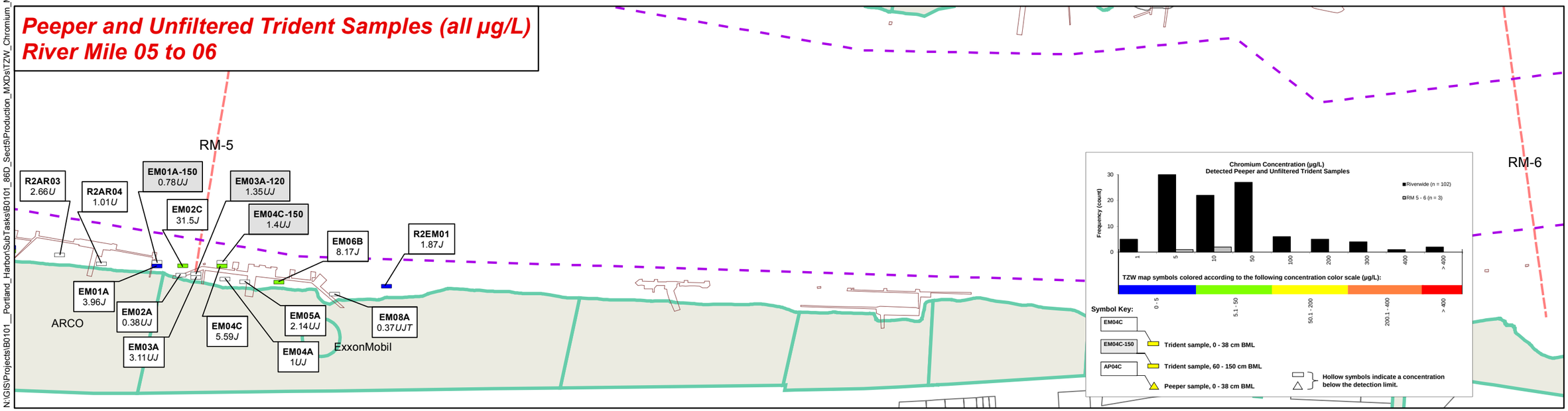

FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

Qualifiers:
T Mathematically derived value.
J The associated numerical value was approximated by the analytical laboratory.
U The analyte was not detected above the reported sample quantitation limit.
UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-4b
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Chromium (µg/L)
River Mile 05 to 06

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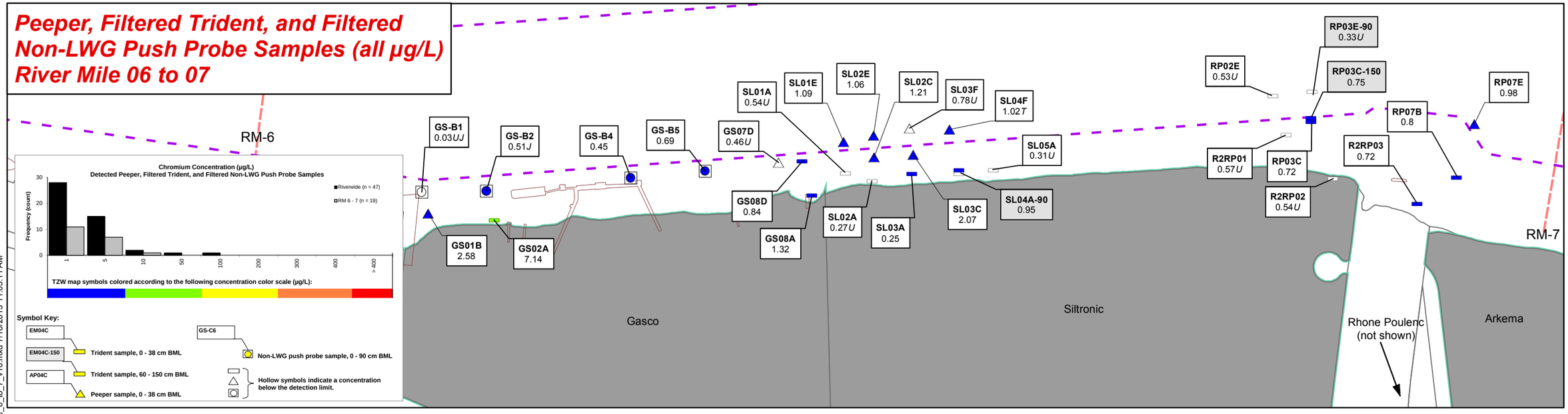

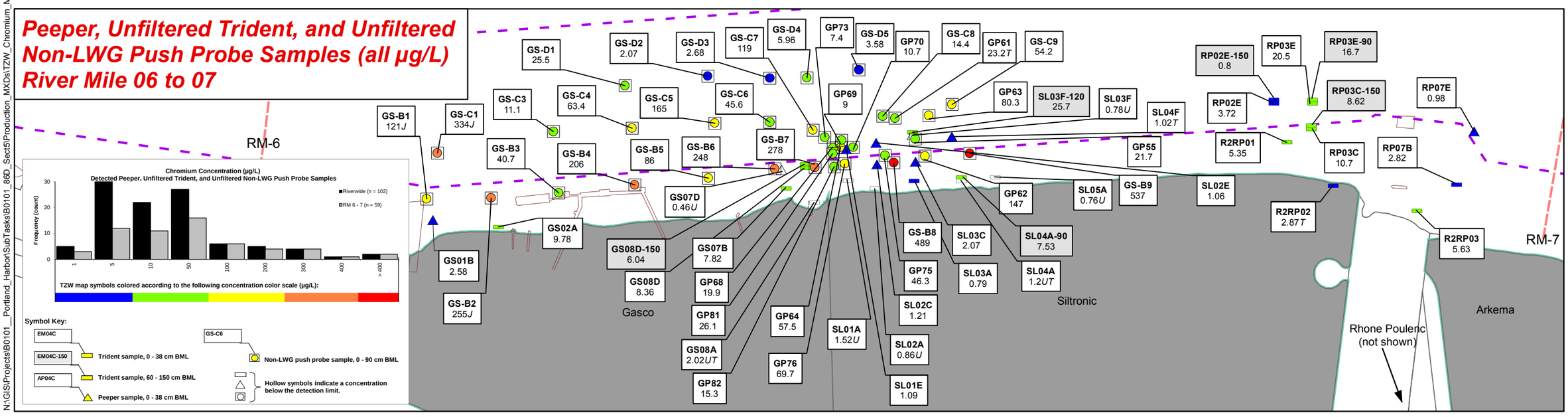

FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

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U The analyte was not detected above the reported sample quantitation limit.
UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

Map Features:
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-4c
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Chromium (µg/L)
River Mile 06 to 07

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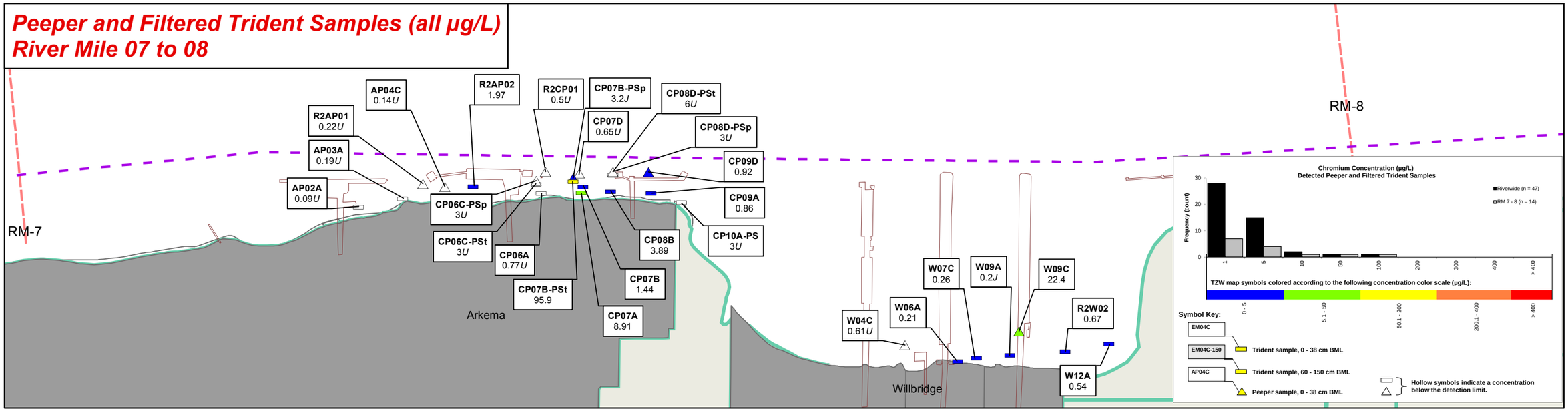

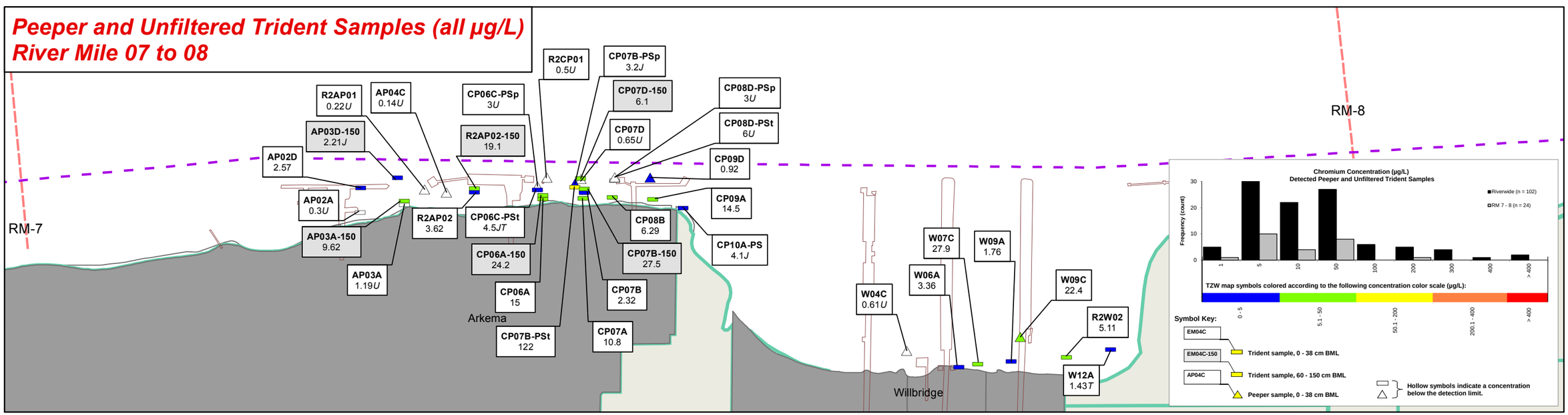

FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-4d
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Chromium (µg/L)
River Mile 07 to 08

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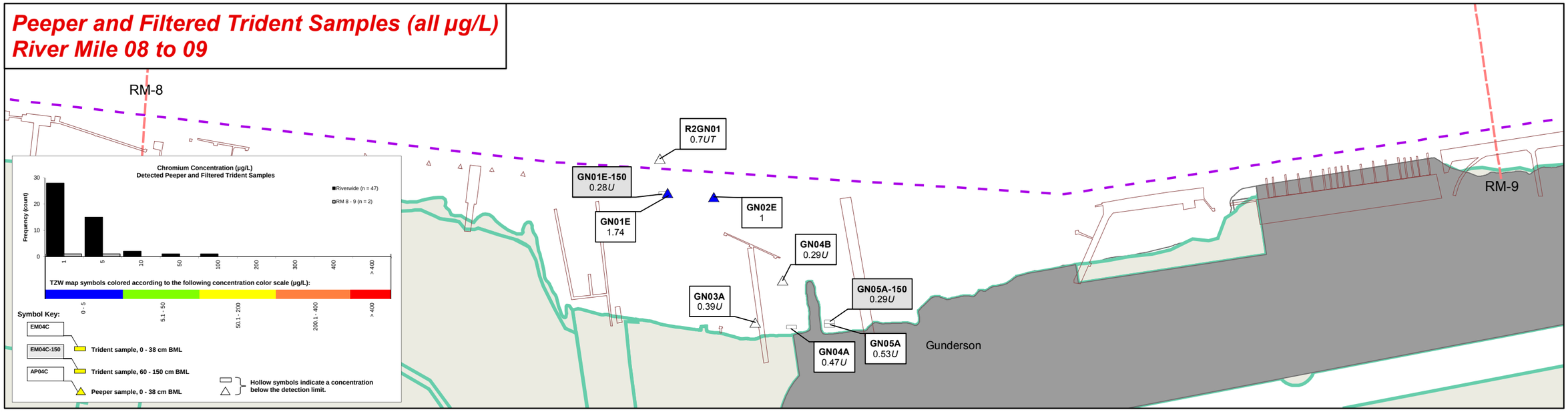

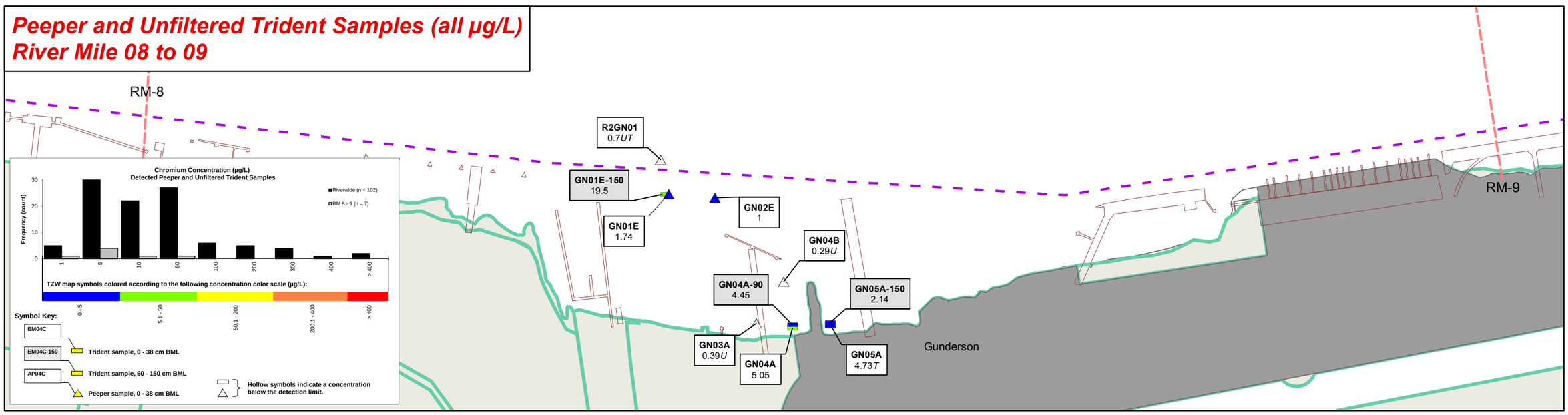

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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

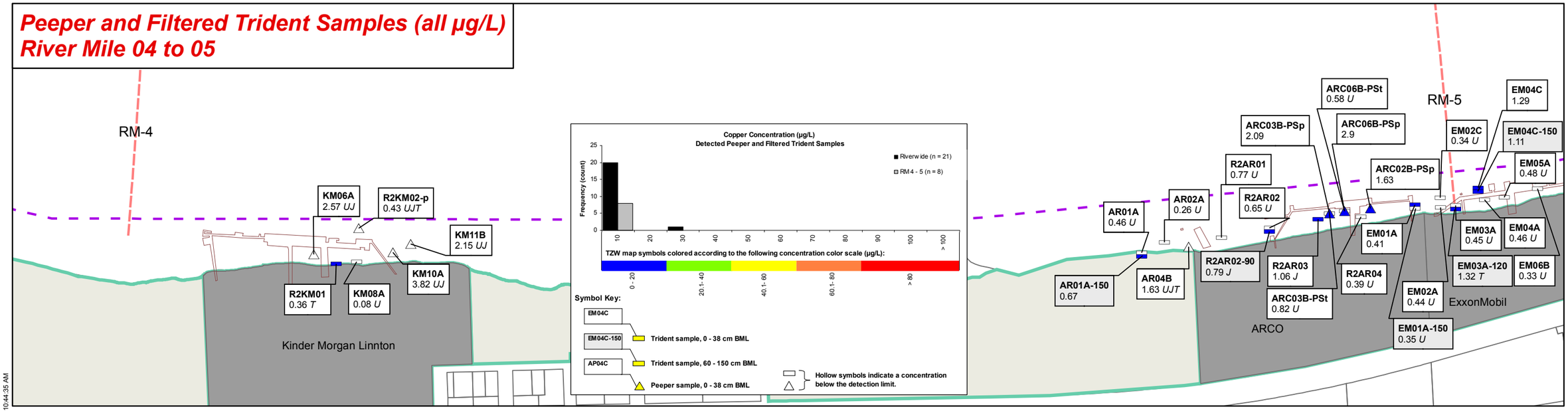
Tabular Results Notes:
T Mathematically derived value.
J The associated numerical value was approximated by the analytical laboratory.
U The analyte was not detected above the reported sample quantitation limit.
UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

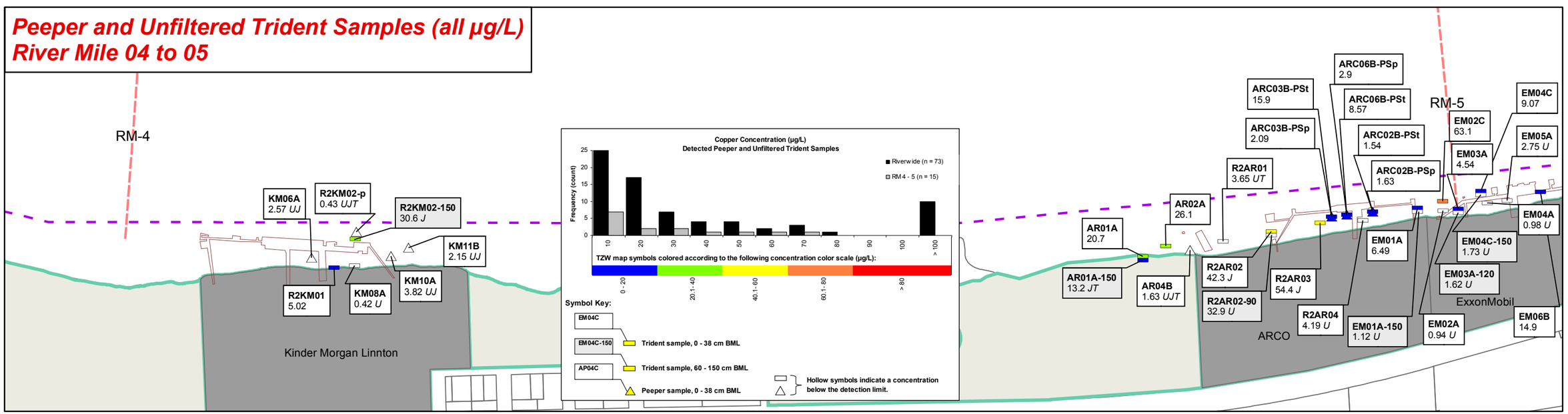
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-4e
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Chromium (µg/L)
River Mile 08 to 09





FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

Map Features

- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

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A Total value based on a limited number of analytes.

Map 5.5-5a
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Copper (µg/L)
River Mile 04 to 05

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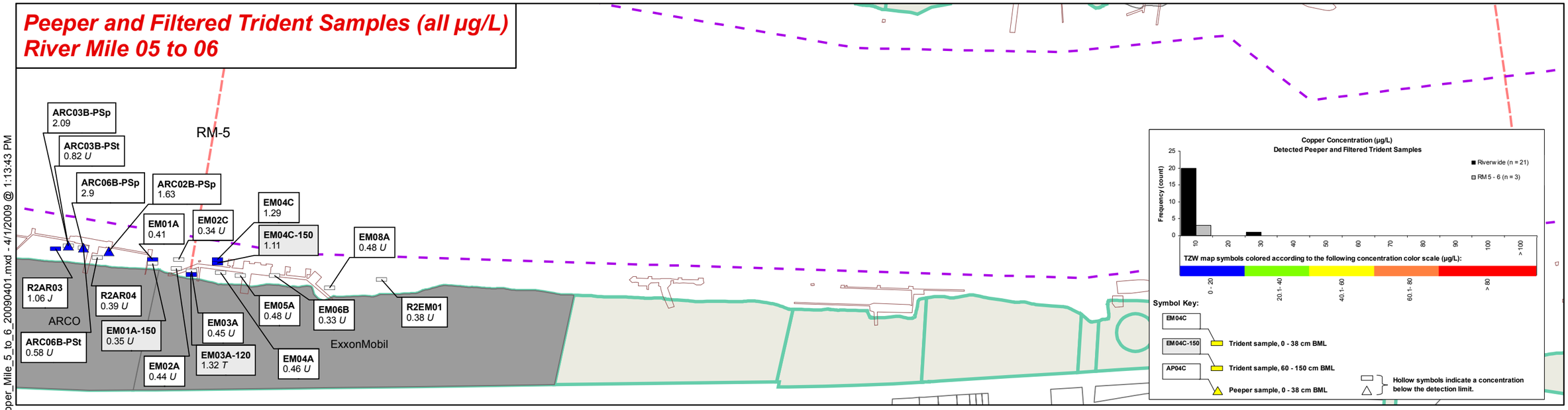

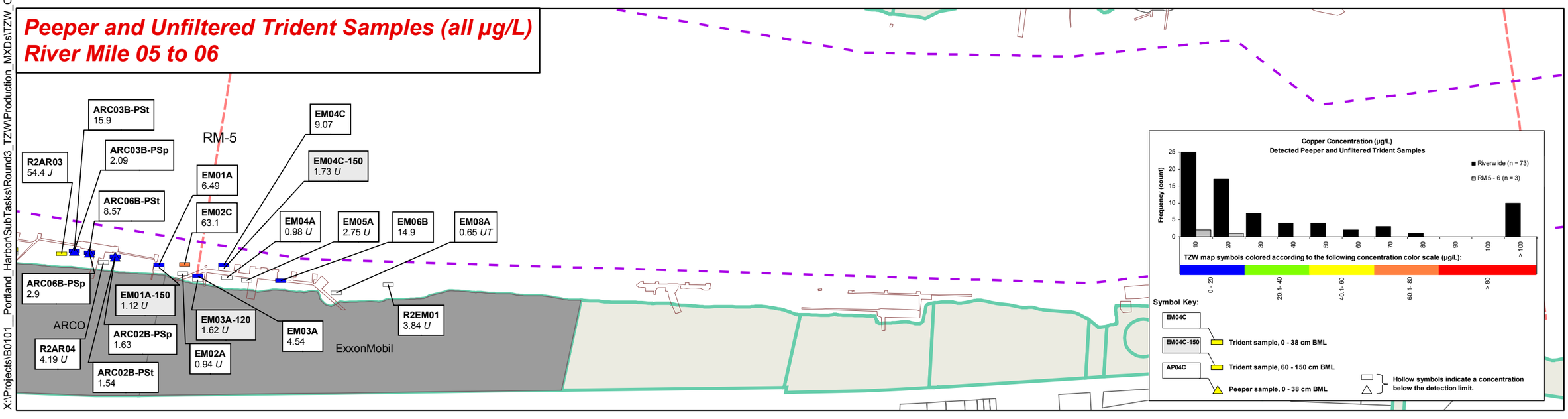

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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

Map Features

- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

Qualifiers:
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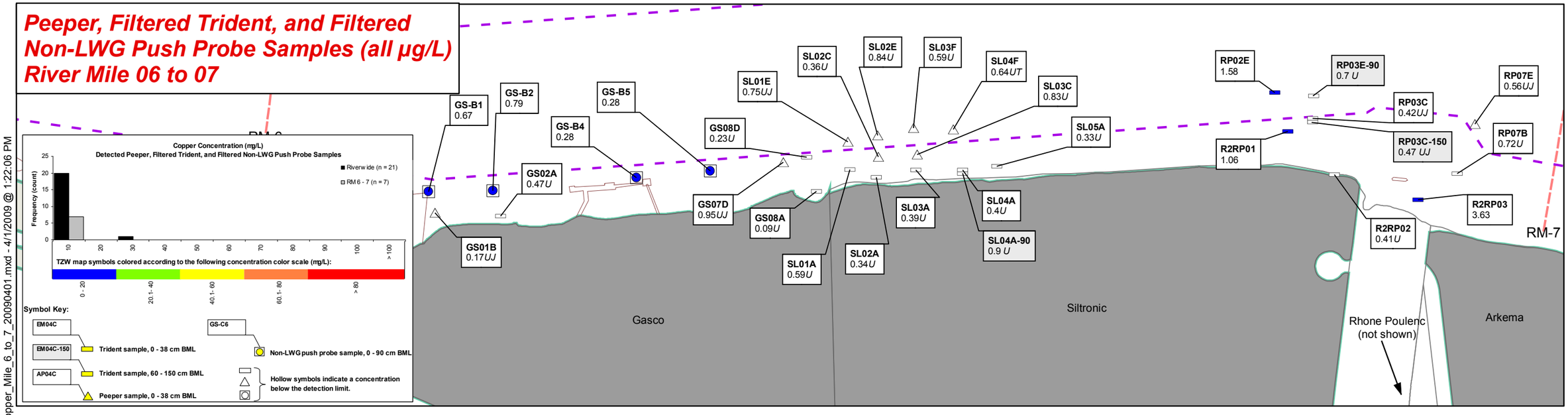
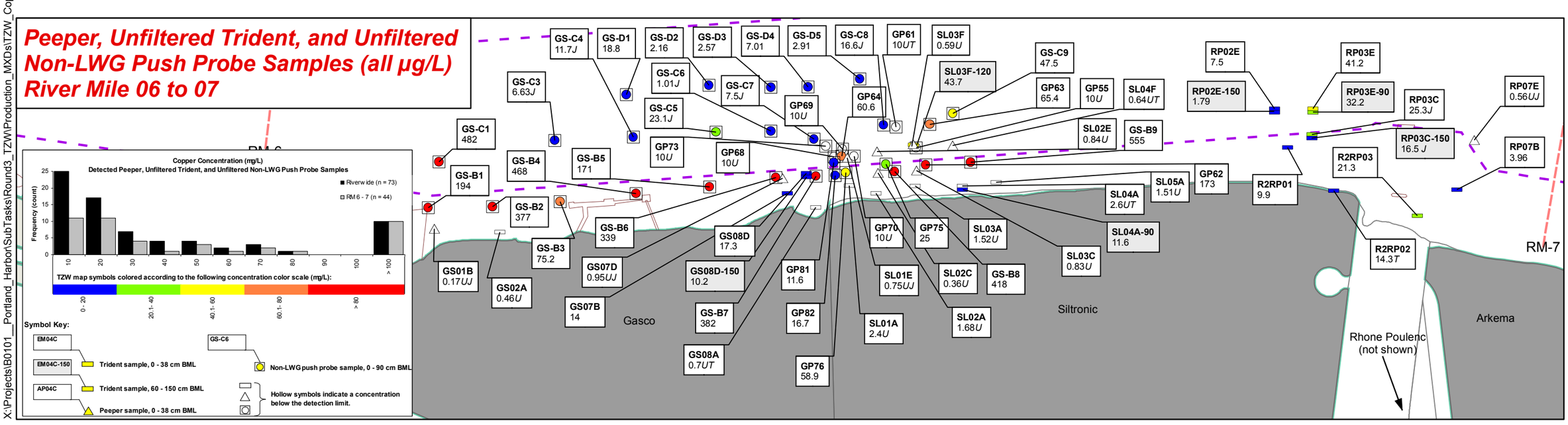
A Total value based on a limited number of analytes.

Map 5.5-5b
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Copper (µg/L)
River Mile 05 to 06





FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

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UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

Map Features
- River Miles
- R2 GWPA Study Site
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- Upland ECSI Sites (2008)

N

0 250 500 750 1,000 Feet

Map 5.5-5c
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Copper (µg/L)
River Mile 06 to 07

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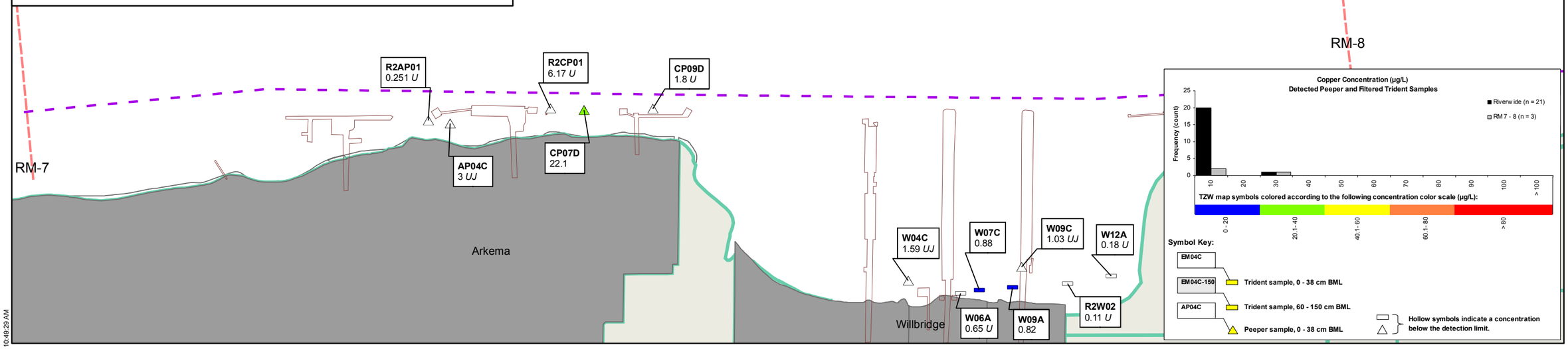
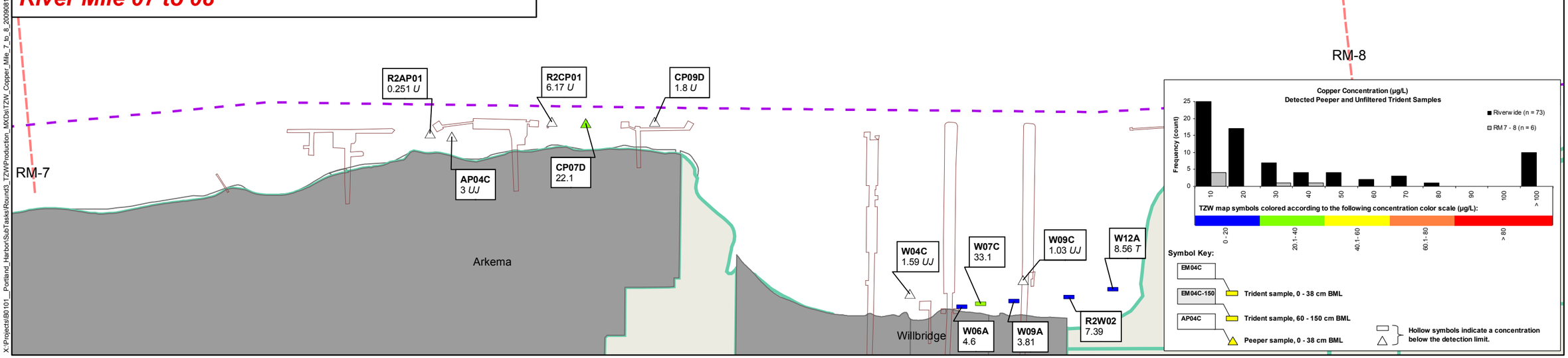
Peeper and Filtered Trident Samples (all µg/L)
River Mile 07 to 08



Peeper and Unfiltered Trident Samples (all µg/L)
River Mile 07 to 08



FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
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Qualifiers:
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UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-5d
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Copper (µg/L)
River Mile 07 to 08

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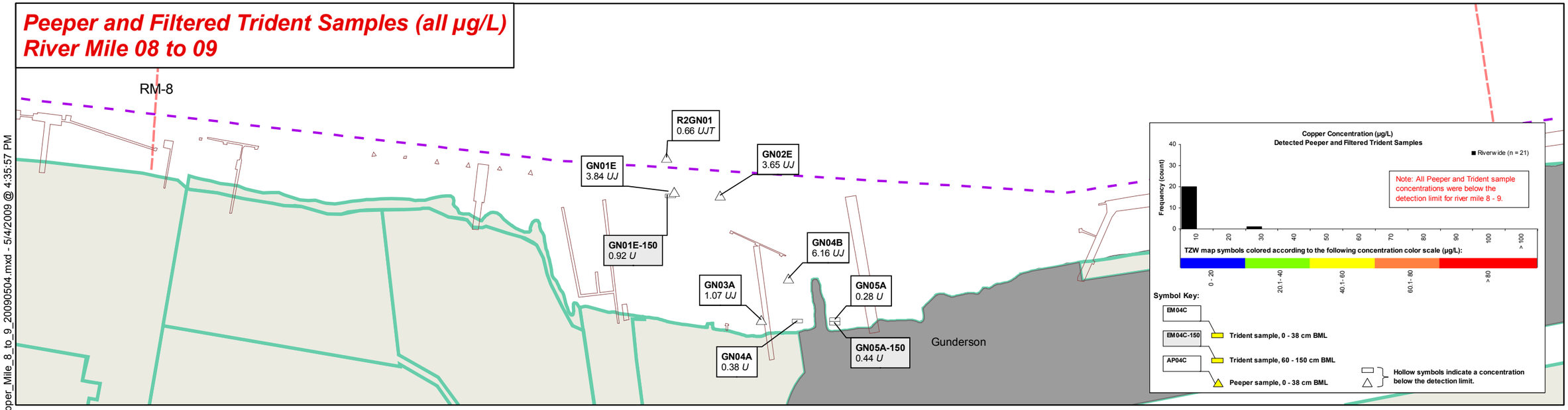

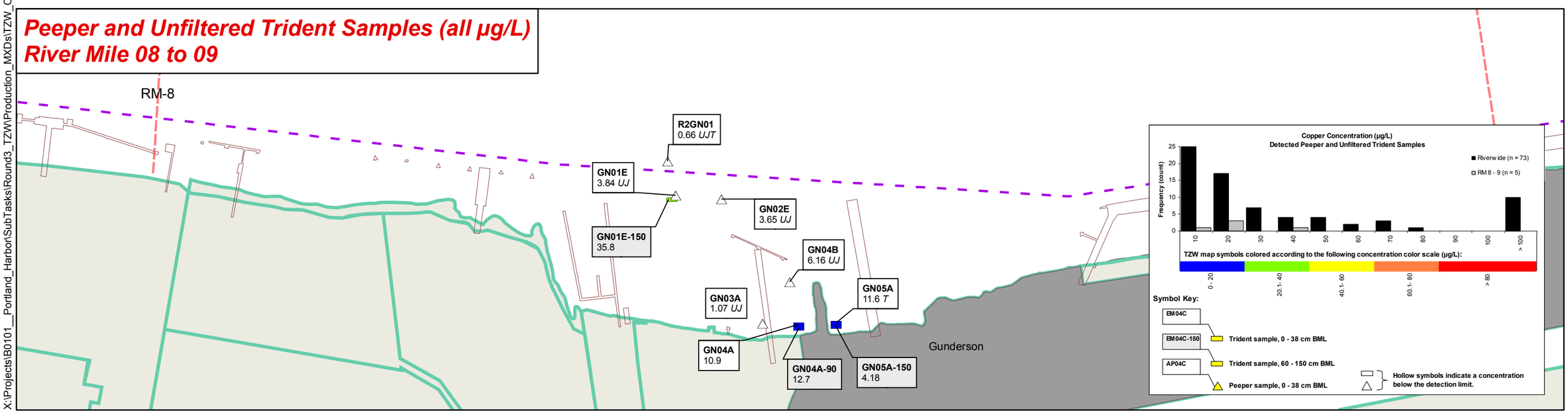

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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

Tabular Results Notes:
T Mathematically derived value.
J The associated numerical value was approximated by the analytical laboratory.
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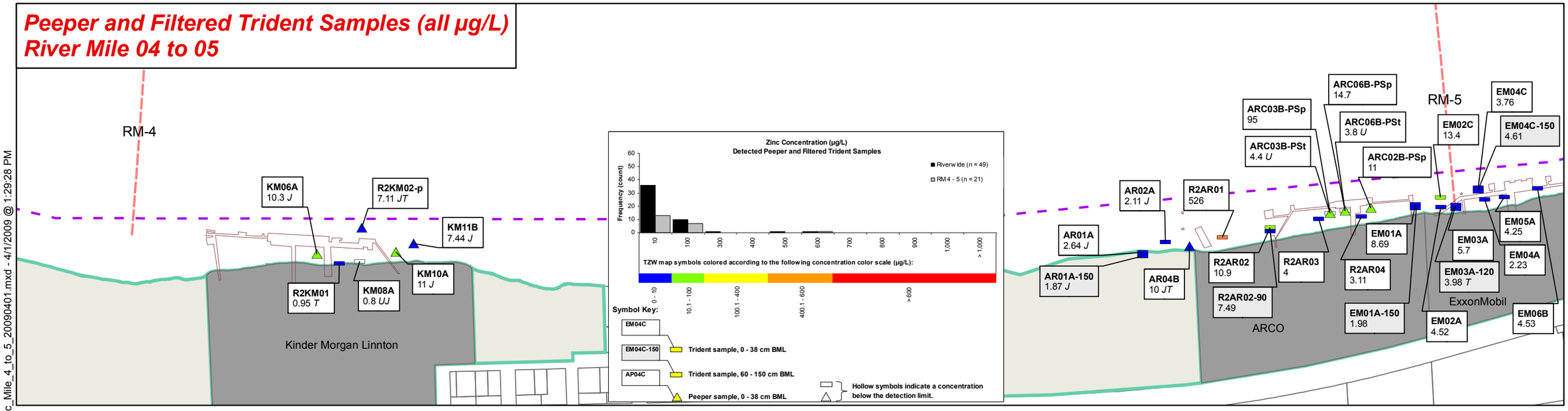
UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

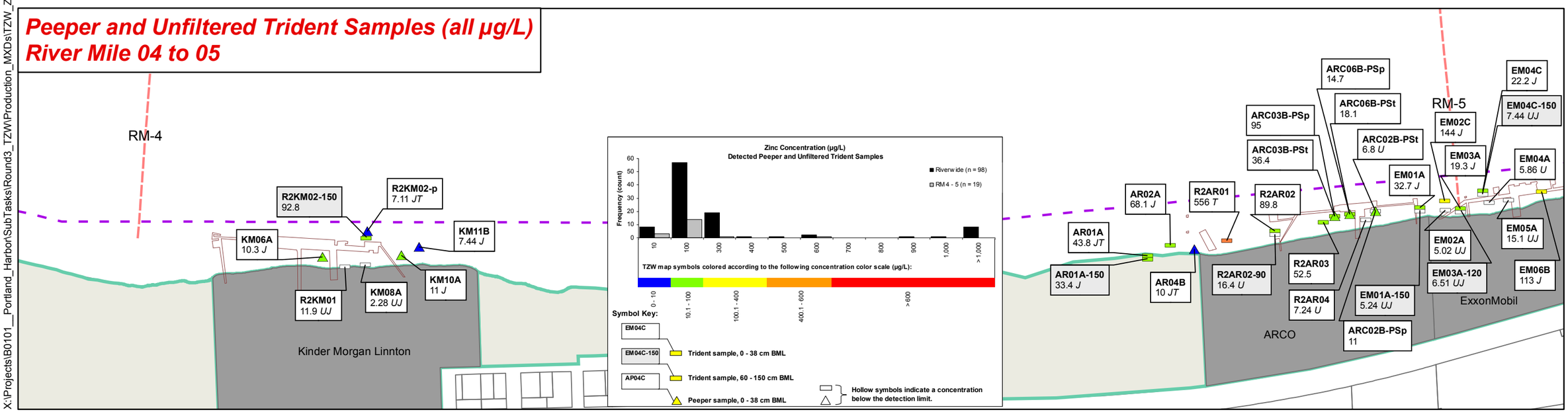
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-5e
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Copper (µg/L)
River Mile 08 to 09





FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

Map Features

- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

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PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

Qualifiers:
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A Total value based on a limited number of analytes.

Map 5.5-6a
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Zinc (µg/L)
River Mile 04 to 05

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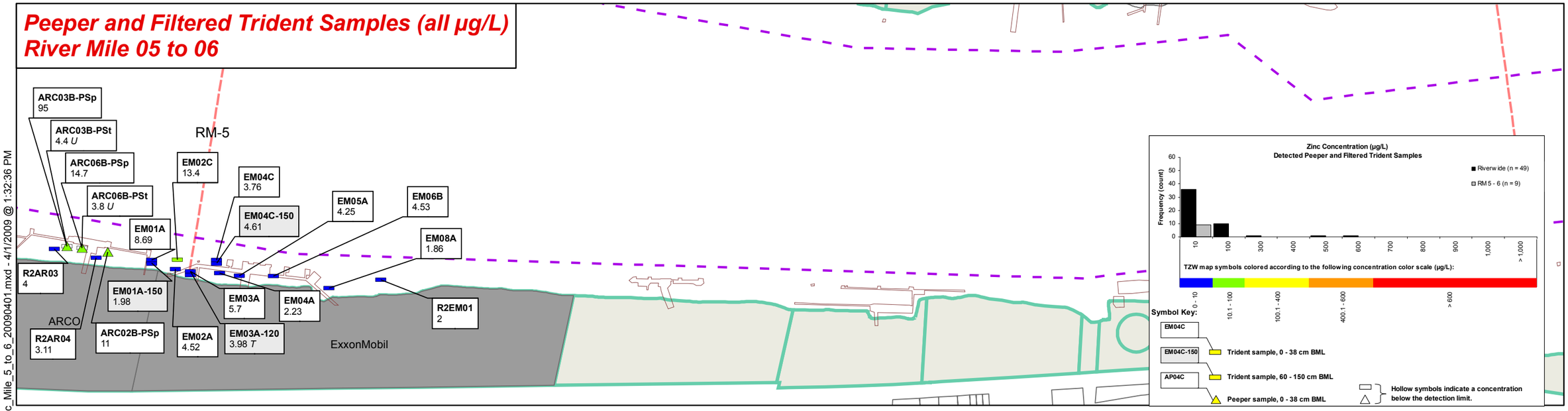

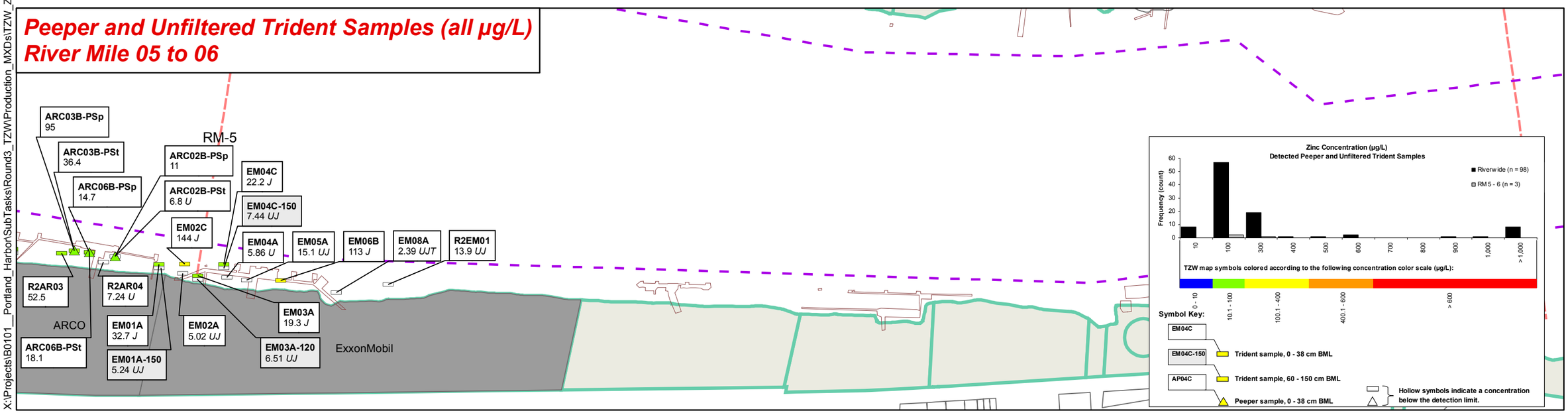

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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

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UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

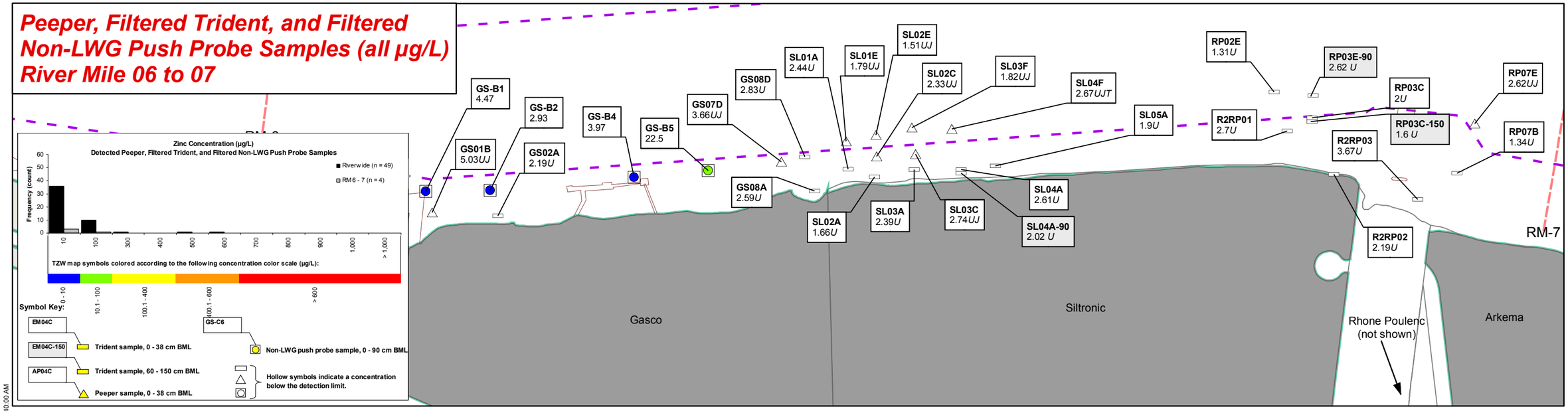
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

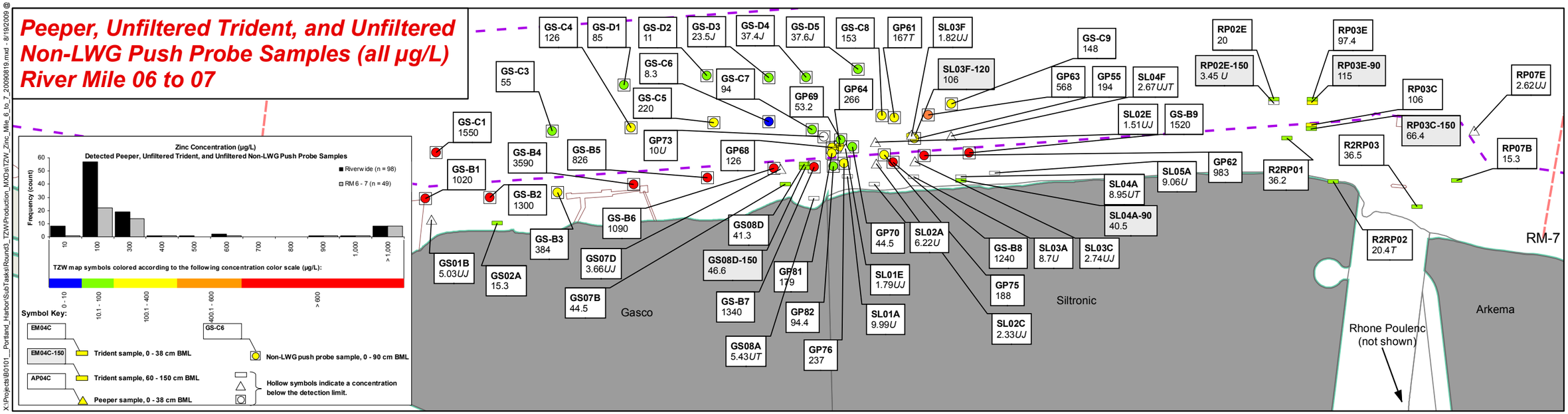
0 250 500 750 1,000 Feet

Map 5.5-6b
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Zinc (µg/L)
River Mile 05 to 06

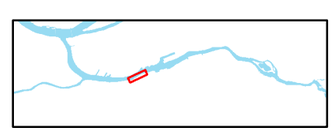
Peeper, Filtered Trident, and Filtered Non-LWG Push Probe Samples (all µg/L) River Mile 06 to 07



Peeper, Unfiltered Trident, and Unfiltered Non-LWG Push Probe Samples (all µg/L) River Mile 06 to 07



FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos



PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

Qualifiers:
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A Total value based on a limited number of analytes.

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-6c
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Zinc (µg/L)
River Mile 06 to 07

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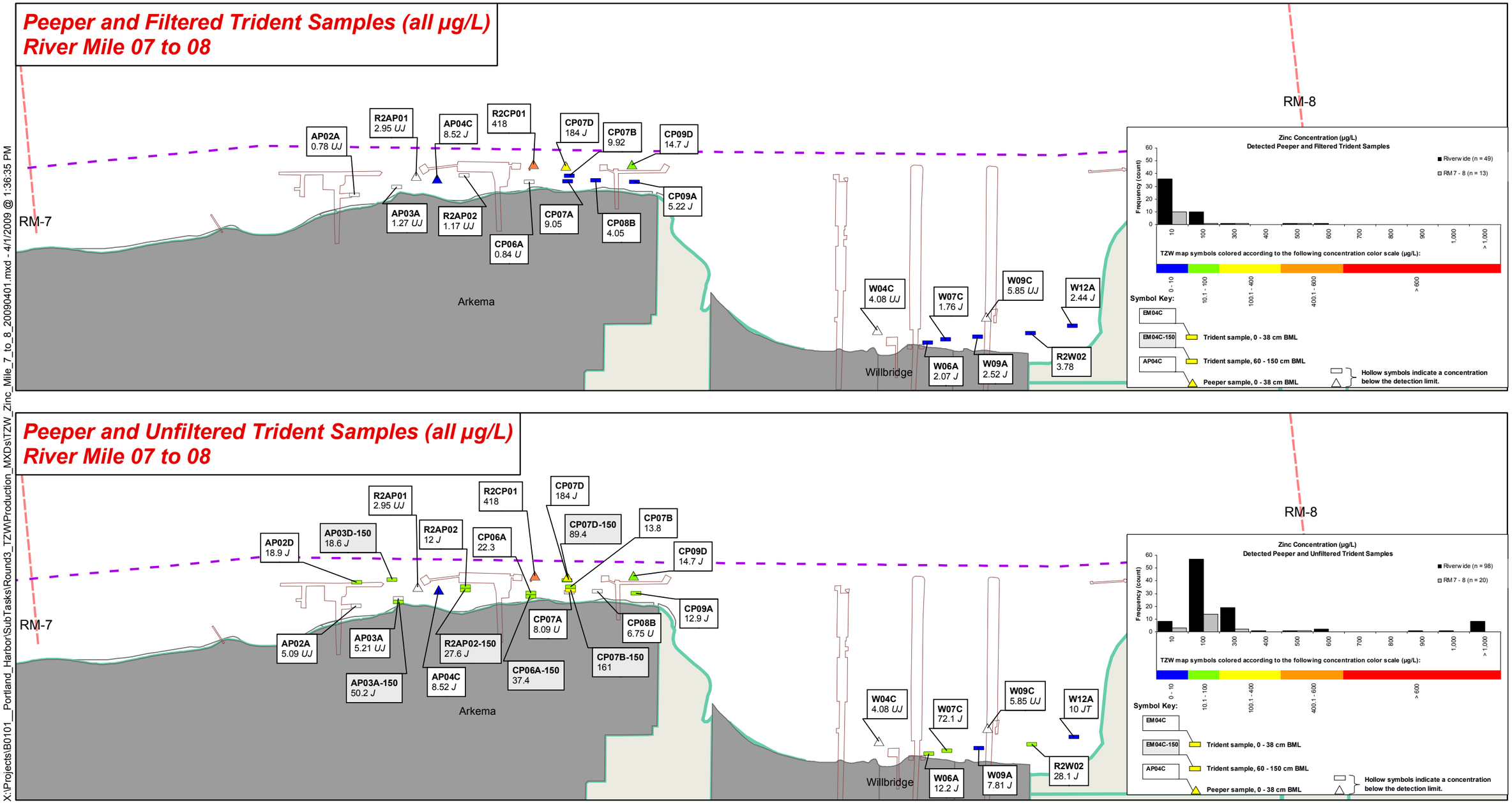

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FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

PSt Indicates sample collected during the GWPA Pilot Study by Trident sampler.
PSp Indicates sample collected during the GWPA Pilot Study by small-volume peeper.

Qualifiers:
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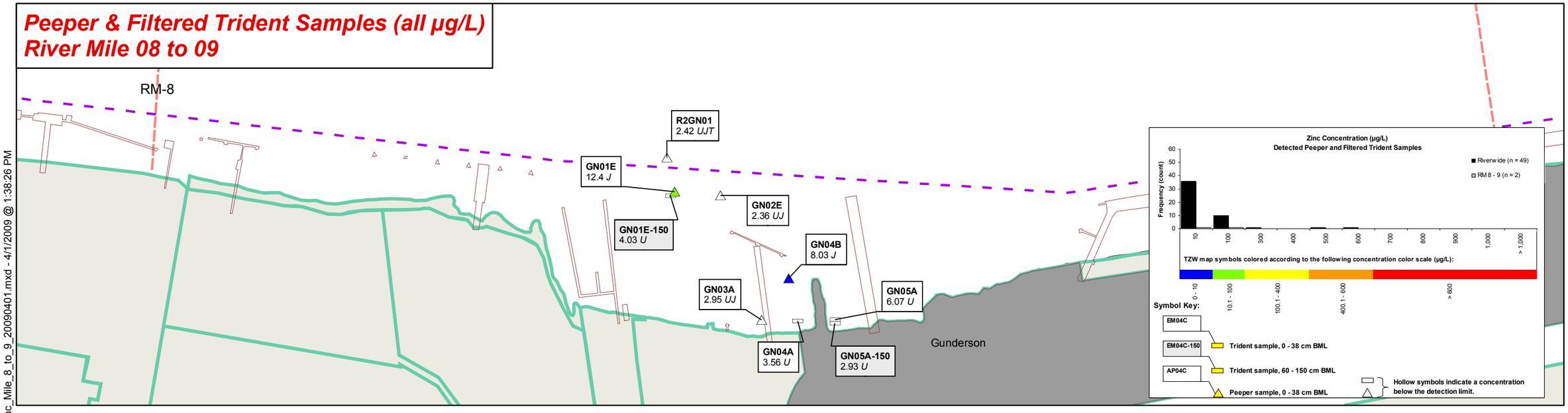
J The associated numerical value was approximated by the analytical laboratory.
U The analyte was not detected above the reported sample quantitation limit.
UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

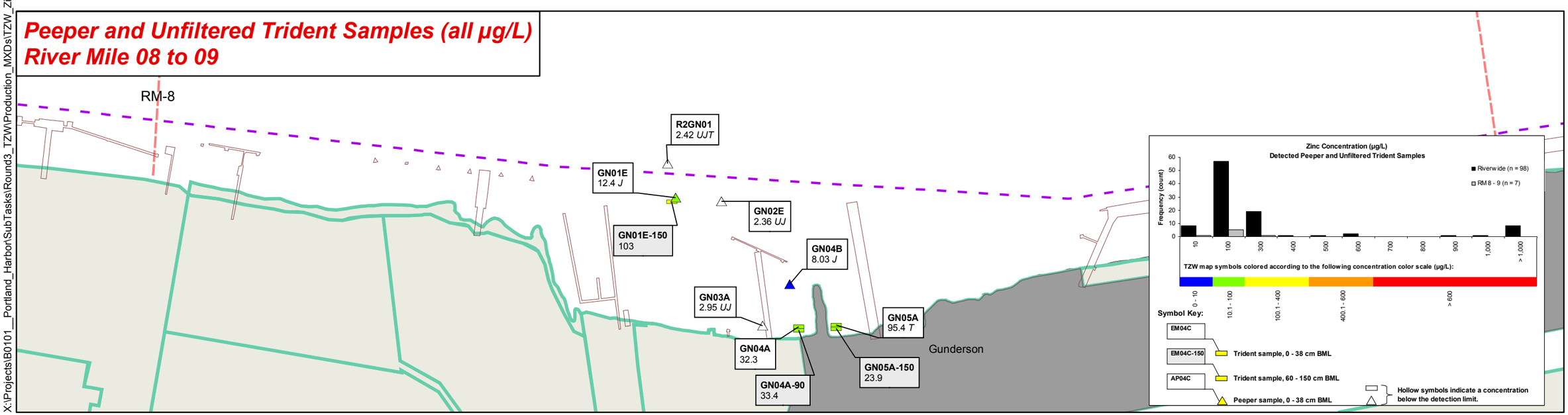
Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

N

0 250 500 750 1,000 Feet

Map 5.5-6d
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Zinc (µg/L)
River Mile 07 to 08





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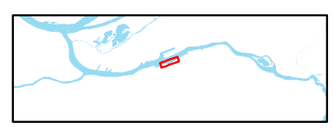
FEATURE SOURCES:
Property and Taxlot Boundaries: Metro RLIS
Channel & River miles: US Army Corps of Engineers.
Docks & In-water Structures: digitized from October 2001 0.33 ft. resolution color orthophotos

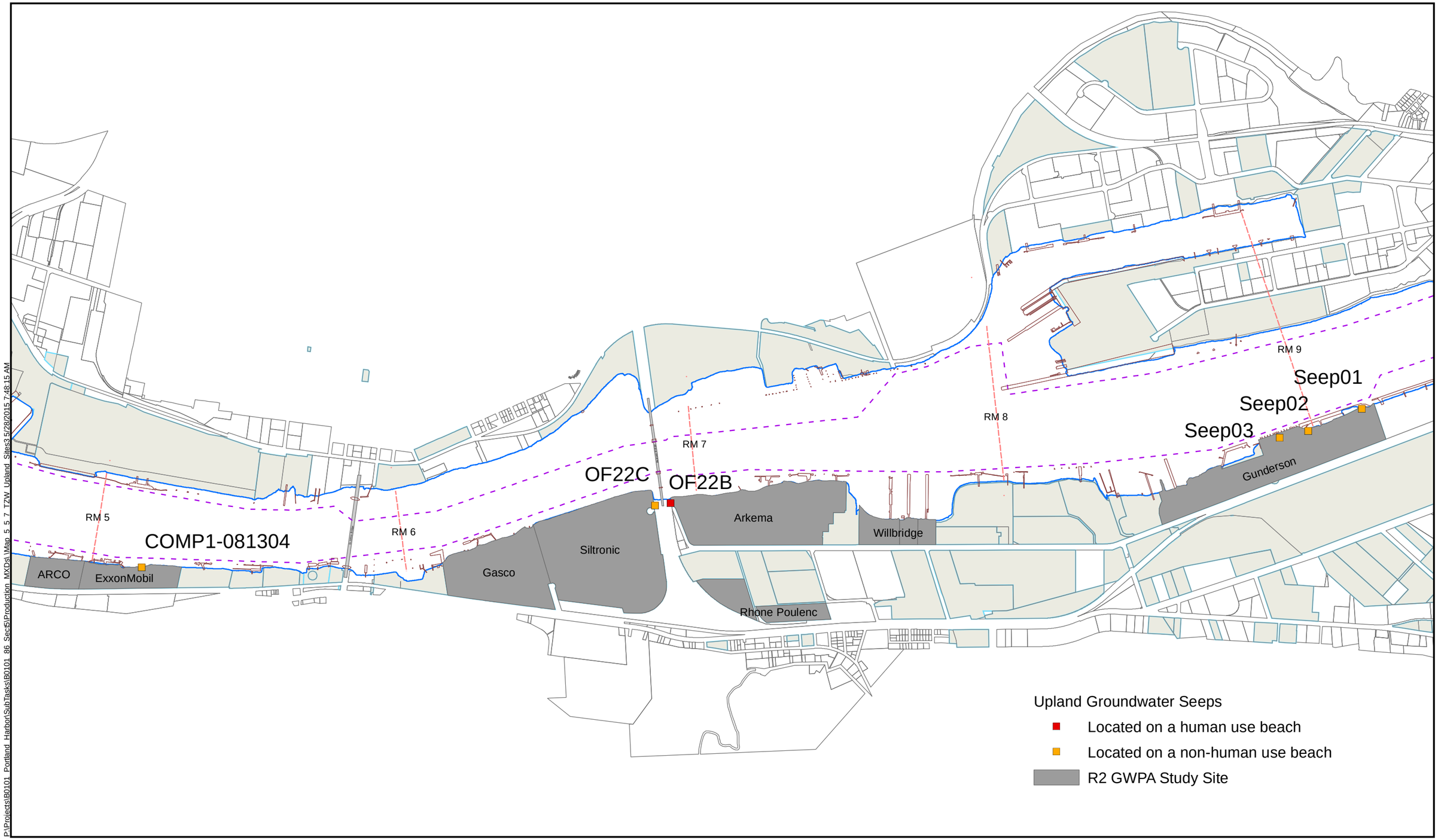


Tabular Results Notes:
T Mathematically derived value.
J The associated numerical value was approximated by the analytical laboratory.
U The analyte was not detected above the reported sample quantitation limit.
UJ The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximated by the analytical laboratory.
A Total value based on a limited number of analytes.

Map Features
- Docks and Structures
- Navigation Channel
- River Miles
- GWPA Study Site
- Upland ECSI Sites (2008)
- Waterfront Taxlots

0 250 500 750 1,000 Feet

Map 5.5-6e
Portland Harbor RI/FS
Remedial Investigation Report
Transition Zone Water Chemistry
Zinc (µg/L)
River Mile 08 to 09



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

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

Map Features

- Docks and Structures
- Bridges
- River Miles
- Navigation Channel
- Upland ECSI Sites (2008)
- Waterfront Taxlots
- River Edge +13 ft NAVD

Map 5.5-7
Portland Harbor RI/FS
Remedial Investigation Report
Groundwater Seep Sampling Locations