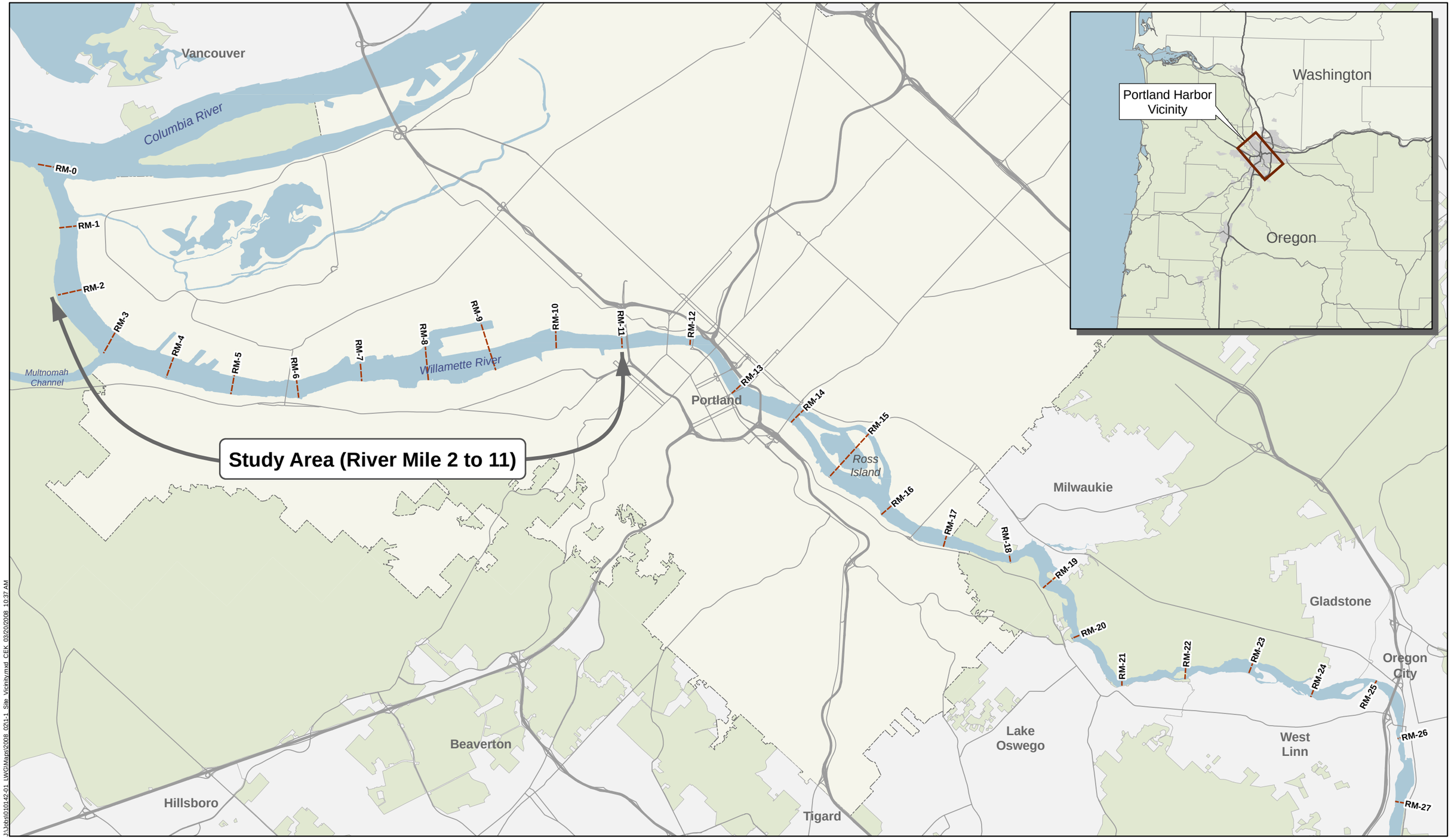

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ANCHOR ENVIRONMENTAL, L.L.C.

LWG LOWER WILLAMETTE GROUP

0 1,800 3,600 5,400 7,200 Feet

1 inch equals 7,123.91 feet

Map Features:
- River miles
- Freeways
- Major Streets

CTY_FILL
- <all other values>
- Unincorporated area

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

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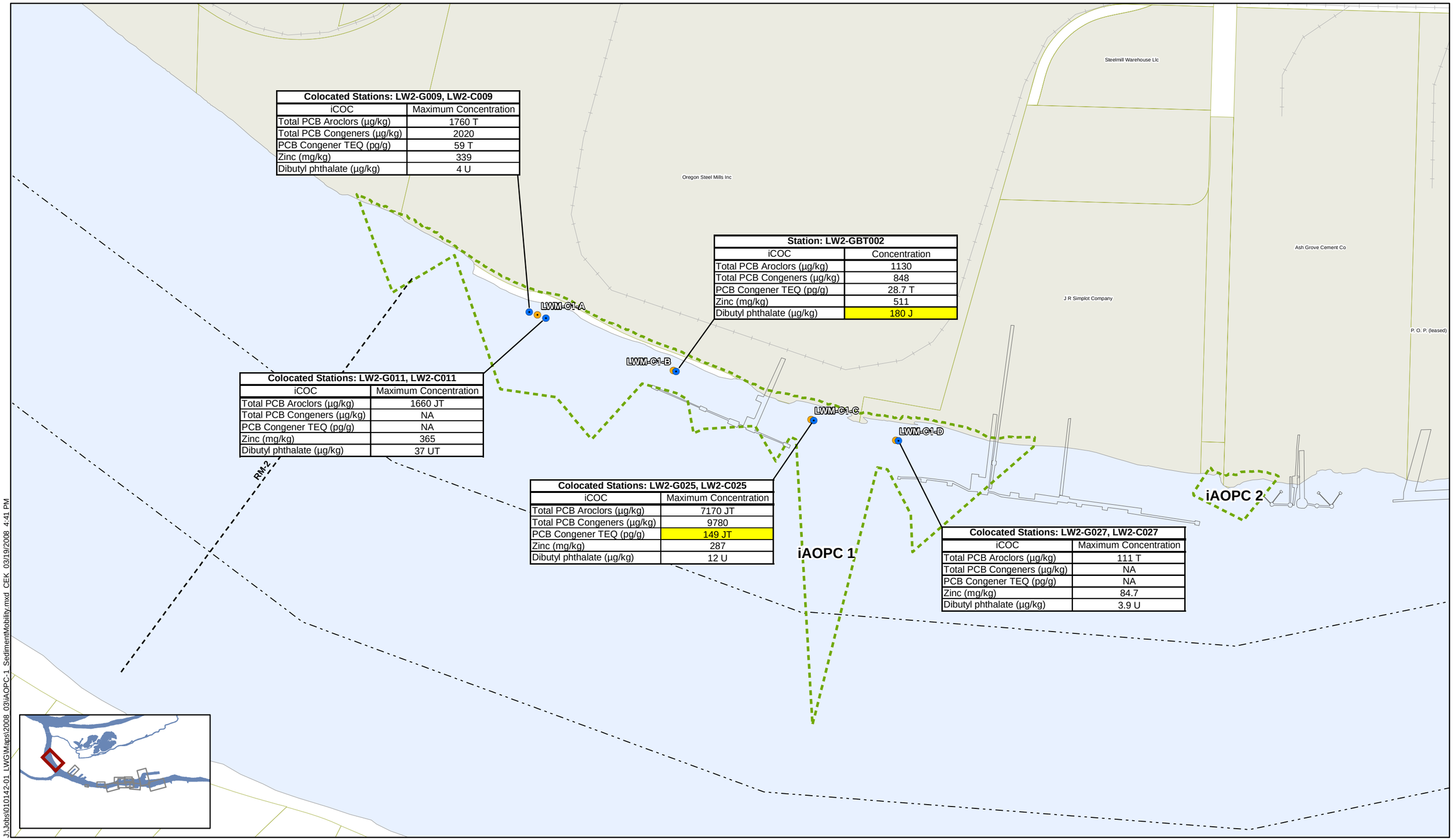
Figure 1-1
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Field Sampling Plan
Site and Vicinity Map



Colocated Stations: LW2-G009, LW2-C009	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	1760 T
Total PCB Congeners (µg/kg)	2020
PCB Congener TEQ (pg/g)	59 T
Zinc (mg/kg)	339
Dibutyl phthalate (µg/kg)	4 U

Station: LW2-GBT002	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	1130
Total PCB Congeners (µg/kg)	848
PCB Congener TEQ (pg/g)	28.7 T
Zinc (mg/kg)	511
Dibutyl phthalate (µg/kg)	180 J

Colocated Stations: LW2-G011, LW2-C011	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	1660 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Zinc (mg/kg)	365
Dibutyl phthalate (µg/kg)	37 UT

Colocated Stations: LW2-G025, LW2-C025	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	7170 JT
Total PCB Congeners (µg/kg)	9780
PCB Congener TEQ (pg/g)	149 JT
Zinc (mg/kg)	287
Dibutyl phthalate (µg/kg)	12 U

Colocated Stations: LW2-G027, LW2-C027	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	111 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Zinc (mg/kg)	84.7
Dibutyl phthalate (µg/kg)	3.9 U

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ANCHOR ENVIRONMENTAL, L.L.C.

N

0 100 200 300 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:
- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
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NA - Not analyzed.

Figure 2-1a
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 1

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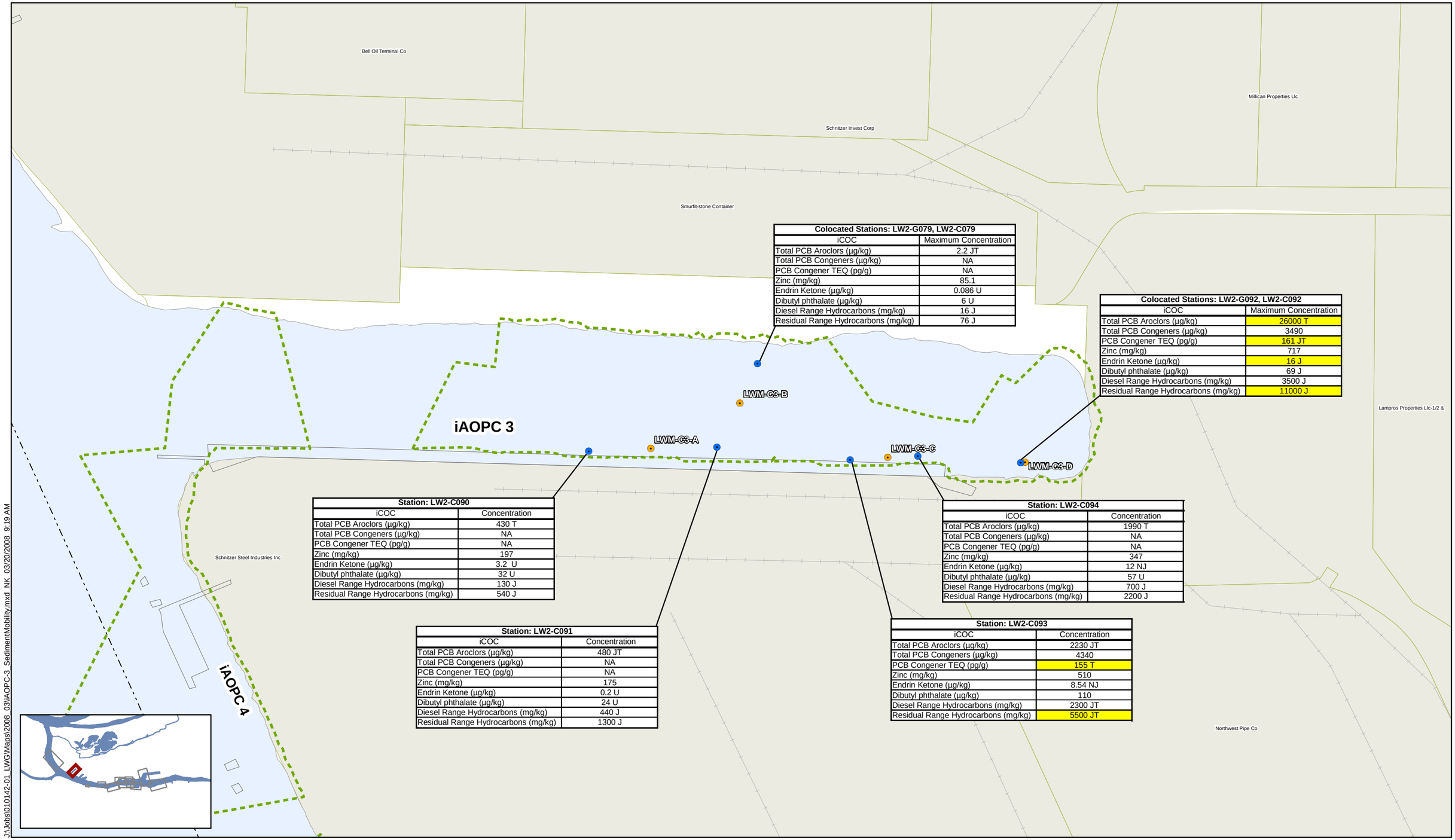

Colocated Stations: LW2-G079, LW2-C079	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	2.2 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Zinc (mg/kg)	85.1
Endrin Ketone (µg/kg)	0.086 U
Dibutyl phthalate (µg/kg)	6 U
Diesel Range Hydrocarbons (mg/kg)	16 J
Residual Range Hydrocarbons (mg/kg)	76 J

Colocated Stations: LW2-G092, LW2-C092	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	26000 T
Total PCB Congeners (µg/kg)	3490
PCB Congener TEQ (pg/g)	161 JT
Zinc (mg/kg)	717
Endrin Ketone (µg/kg)	16 J
Dibutyl phthalate (µg/kg)	69 J
Diesel Range Hydrocarbons (mg/kg)	3500 J
Residual Range Hydrocarbons (mg/kg)	11000 J

Station: LW2-C090	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	430 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Zinc (mg/kg)	197
Endrin Ketone (µg/kg)	3.2 U
Dibutyl phthalate (µg/kg)	32 U
Diesel Range Hydrocarbons (mg/kg)	130 J
Residual Range Hydrocarbons (mg/kg)	540 J

Station: LW2-C091	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	480 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Zinc (mg/kg)	175
Endrin Ketone (µg/kg)	0.2 U
Dibutyl phthalate (µg/kg)	24 U
Diesel Range Hydrocarbons (mg/kg)	440 J
Residual Range Hydrocarbons (mg/kg)	1300 J

Station: LW2-C093	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	2230 JT
Total PCB Congeners (µg/kg)	4340
PCB Congener TEQ (pg/g)	155 T
Zinc (mg/kg)	510
Endrin Ketone (µg/kg)	8.54 NJ
Dibutyl phthalate (µg/kg)	110
Diesel Range Hydrocarbons (mg/kg)	2300 JT
Residual Range Hydrocarbons (mg/kg)	5500 JT

Station: LW2-C094	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	1990 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Zinc (mg/kg)	347
Endrin Ketone (µg/kg)	12 NJ
Dibutyl phthalate (µg/kg)	57 U
Diesel Range Hydrocarbons (mg/kg)	700 J
Residual Range Hydrocarbons (mg/kg)	2200 J

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ANCHOR ENVIRONMENTAL, L.L.C.

N

0 50 100 150 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:

- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.
J - The associated numerical value is an estimated quantity.
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NA - Not analyzed.

Figure 2-1b
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 3

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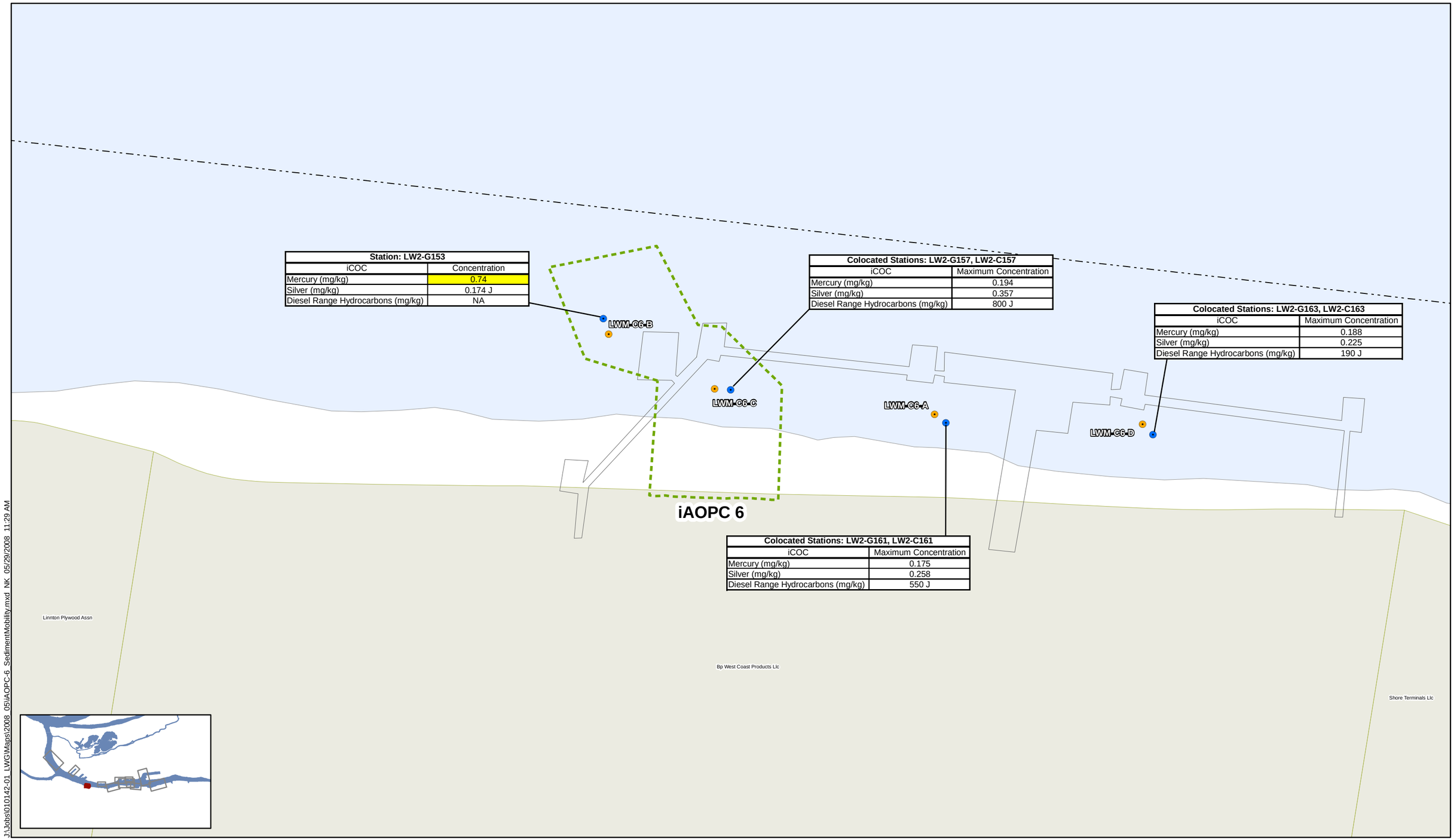

Station: LW2-G153	
iCOC	Concentration
Mercury (mg/kg)	0.74
Silver (mg/kg)	0.174 J
Diesel Range Hydrocarbons (mg/kg)	NA

Colocated Stations: LW2-G157, LW2-C157	
iCOC	Maximum Concentration
Mercury (mg/kg)	0.194
Silver (mg/kg)	0.357
Diesel Range Hydrocarbons (mg/kg)	800 J

Colocated Stations: LW2-G163, LW2-C163	
iCOC	Maximum Concentration
Mercury (mg/kg)	0.188
Silver (mg/kg)	0.225
Diesel Range Hydrocarbons (mg/kg)	190 J

Colocated Stations: LW2-G161, LW2-C161	
iCOC	Maximum Concentration
Mercury (mg/kg)	0.175
Silver (mg/kg)	0.258
Diesel Range Hydrocarbons (mg/kg)	550 J

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ANCHOR ENVIRONMENTAL, L.L.C.

0 30 60 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:

- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.

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N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
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NA - Not analyzed.
-

Figure 2-1c
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 6

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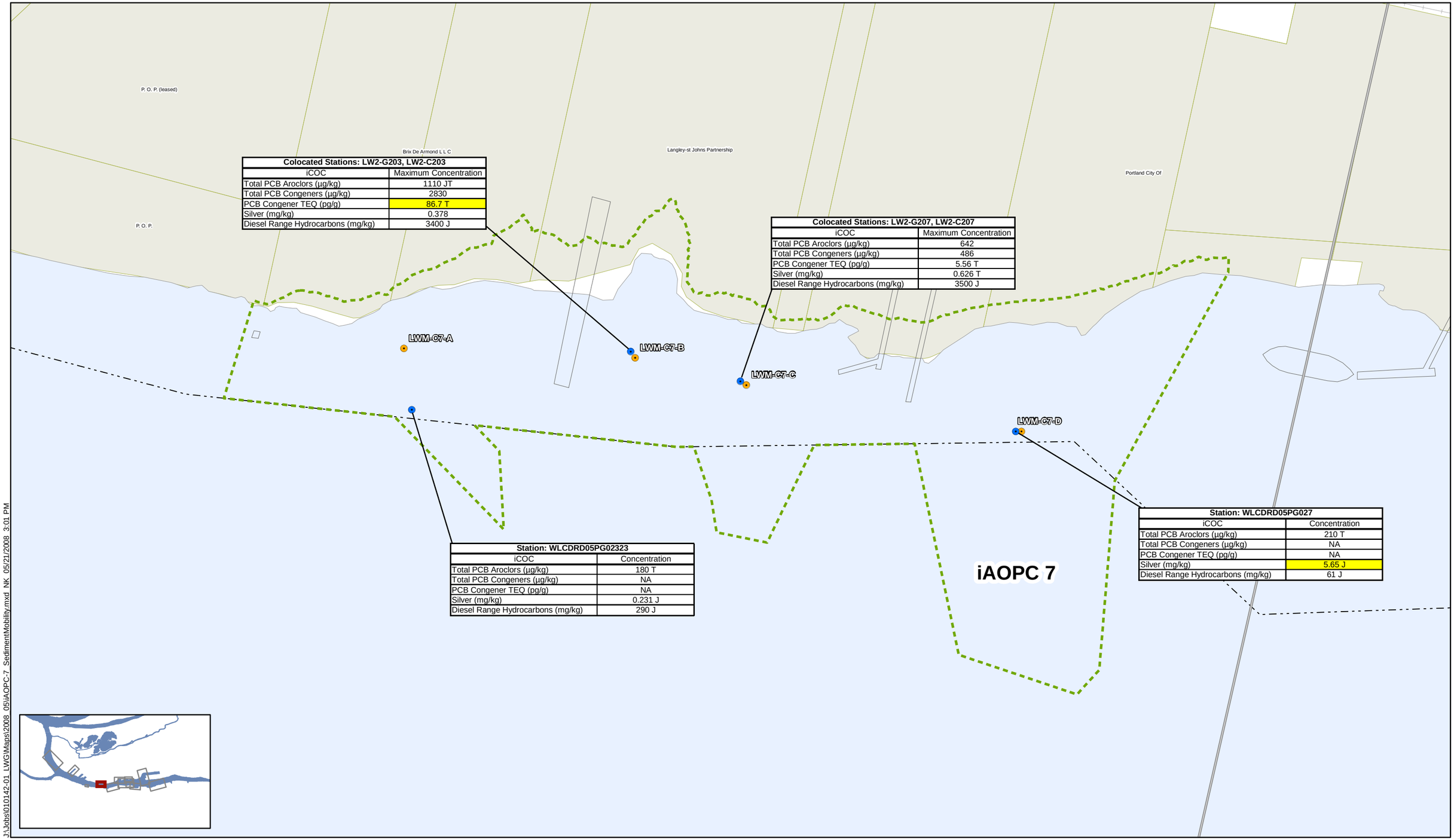

Colocated Stations: LW2-G203, LW2-C203	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	1110 JT
Total PCB Congeners (µg/kg)	2830
PCB Congener TEQ (pg/g)	86.7 T
Silver (mg/kg)	0.378
Diesel Range Hydrocarbons (mg/kg)	3400 J

Colocated Stations: LW2-G207, LW2-C207	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	642
Total PCB Congeners (µg/kg)	486
PCB Congener TEQ (pg/g)	5.56 T
Silver (mg/kg)	0.626 T
Diesel Range Hydrocarbons (mg/kg)	3500 J

Station: WLCDRD05PG02323	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	180 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Silver (mg/kg)	0.231 J
Diesel Range Hydrocarbons (mg/kg)	290 J

Station: WLCDRD05PG027	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	210 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Silver (mg/kg)	5.65 J
Diesel Range Hydrocarbons (mg/kg)	61 J

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ANCHOR ENVIRONMENTAL, L.L.C.

0 50 100 150 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:

- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.
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N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
NA - Not analyzed.

Figure 2-1d
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 7

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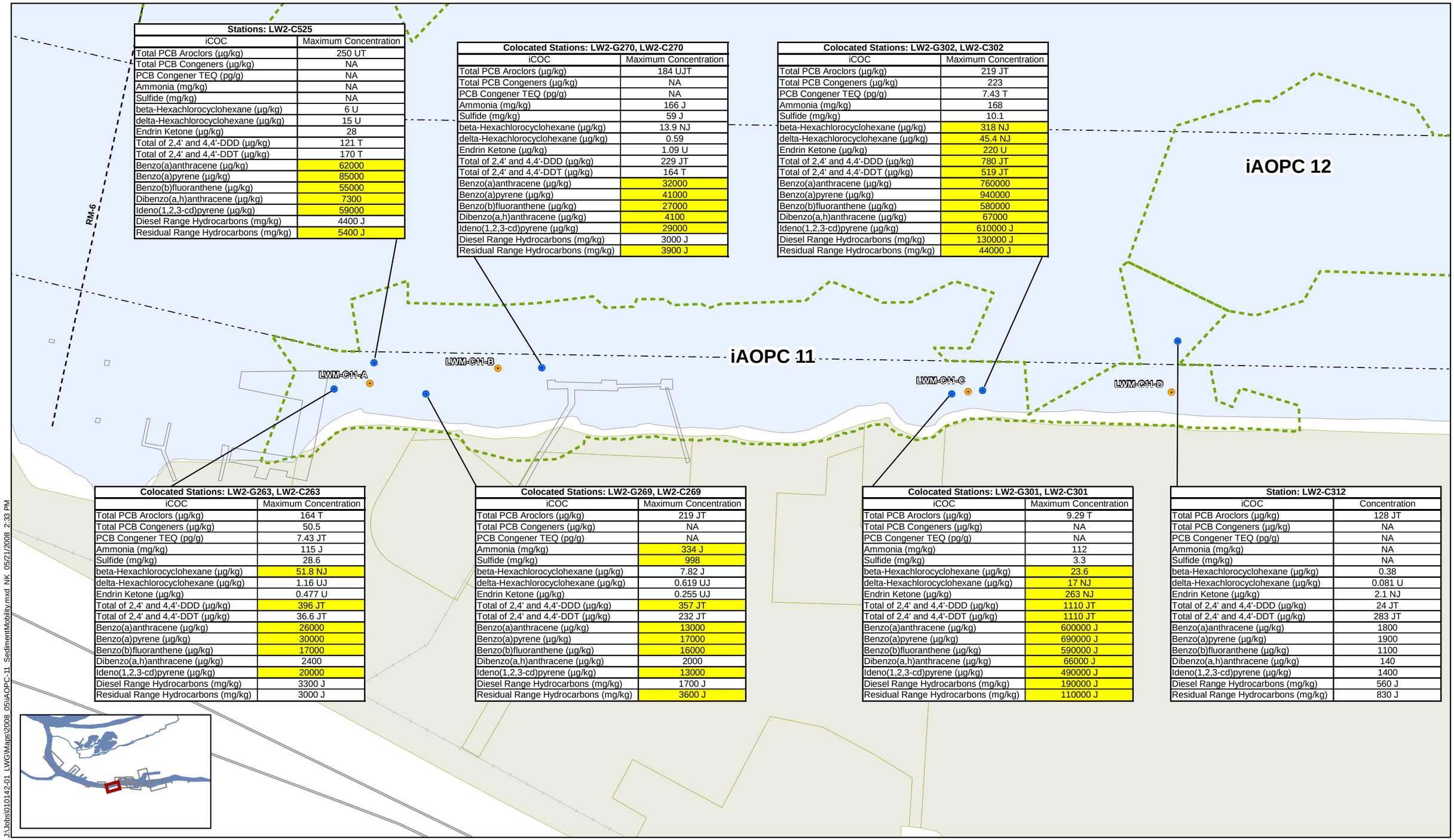

Stations: LW2-C525	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	250 UT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Ammonia (mg/kg)	NA
Sulfide (mg/kg)	NA
beta-Hexachlorocyclohexane (µg/kg)	6 U
delta-Hexachlorocyclohexane (µg/kg)	15 U
Endrin Ketone (µg/kg)	28
Total of 2,4' and 4,4'-DDD (µg/kg)	121 T
Total of 2,4' and 4,4'-DDT (µg/kg)	170 T
Benzo(a)anthracene (µg/kg)	62000
Benzo(a)pyrene (µg/kg)	85000
Benzo(b)fluoranthene (µg/kg)	55000
Dibenzo(a,h)anthracene (µg/kg)	7300
Ideno(1,2,3-cd)pyrene (µg/kg)	59000
Diesel Range Hydrocarbons (mg/kg)	4400 J
Residual Range Hydrocarbons (mg/kg)	5400 J

Colocated Stations: LW2-G270, LW2-C270	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	184 UJT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Ammonia (mg/kg)	166 J
Sulfide (mg/kg)	59 J
beta-Hexachlorocyclohexane (µg/kg)	13.9 NJ
delta-Hexachlorocyclohexane (µg/kg)	0.59
Endrin Ketone (µg/kg)	1.09 U
Total of 2,4' and 4,4'-DDD (µg/kg)	229 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	164 T
Benzo(a)anthracene (µg/kg)	32000
Benzo(a)pyrene (µg/kg)	41000
Benzo(b)fluoranthene (µg/kg)	27000
Dibenzo(a,h)anthracene (µg/kg)	4100
Ideno(1,2,3-cd)pyrene (µg/kg)	29000
Diesel Range Hydrocarbons (mg/kg)	3000 J
Residual Range Hydrocarbons (mg/kg)	3900 J

Colocated Stations: LW2-G302, LW2-C302	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	219 JT
Total PCB Congeners (µg/kg)	223
PCB Congener TEQ (pg/g)	7.43 T
Ammonia (mg/kg)	168
Sulfide (mg/kg)	10.1
beta-Hexachlorocyclohexane (µg/kg)	318 NJ
delta-Hexachlorocyclohexane (µg/kg)	45.4 NJ
Endrin Ketone (µg/kg)	220 U
Total of 2,4' and 4,4'-DDD (µg/kg)	780 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	519 JT
Benzo(a)anthracene (µg/kg)	760000
Benzo(a)pyrene (µg/kg)	940000
Benzo(b)fluoranthene (µg/kg)	580000
Dibenzo(a,h)anthracene (µg/kg)	67000
Ideno(1,2,3-cd)pyrene (µg/kg)	610000 J
Diesel Range Hydrocarbons (mg/kg)	130000 J
Residual Range Hydrocarbons (mg/kg)	44000 J

Colocated Stations: LW2-G263, LW2-C263	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	164 T
Total PCB Congeners (µg/kg)	50.5
PCB Congener TEQ (pg/g)	7.43 JT
Ammonia (mg/kg)	115 J
Sulfide (mg/kg)	28.6
beta-Hexachlorocyclohexane (µg/kg)	51.8 NJ
delta-Hexachlorocyclohexane (µg/kg)	1.16 UJ
Endrin Ketone (µg/kg)	0.477 U
Total of 2,4' and 4,4'-DDD (µg/kg)	396 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	36.6 JT
Benzo(a)anthracene (µg/kg)	26000
Benzo(a)pyrene (µg/kg)	30000
Benzo(b)fluoranthene (µg/kg)	17000
Dibenzo(a,h)anthracene (µg/kg)	2400
Ideno(1,2,3-cd)pyrene (µg/kg)	20000
Diesel Range Hydrocarbons (mg/kg)	3300 J
Residual Range Hydrocarbons (mg/kg)	3000 J

Colocated Stations: LW2-G269, LW2-C269	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	219 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Ammonia (mg/kg)	334 J
Sulfide (mg/kg)	998
beta-Hexachlorocyclohexane (µg/kg)	7.82 J
delta-Hexachlorocyclohexane (µg/kg)	0.619 UJ
Endrin Ketone (µg/kg)	0.255 UJ
Total of 2,4' and 4,4'-DDD (µg/kg)	357 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	232 JT
Benzo(a)anthracene (µg/kg)	13000
Benzo(a)pyrene (µg/kg)	17000
Benzo(b)fluoranthene (µg/kg)	16000
Dibenzo(a,h)anthracene (µg/kg)	2000
Ideno(1,2,3-cd)pyrene (µg/kg)	13000
Diesel Range Hydrocarbons (mg/kg)	1700 J
Residual Range Hydrocarbons (mg/kg)	3600 J

Colocated Stations: LW2-G301, LW2-C301	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	9.29 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Ammonia (mg/kg)	112
Sulfide (mg/kg)	3.3
beta-Hexachlorocyclohexane (µg/kg)	23.6
delta-Hexachlorocyclohexane (µg/kg)	17 NJ
Endrin Ketone (µg/kg)	263 NJ
Total of 2,4' and 4,4'-DDD (µg/kg)	1110 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	1110 JT
Benzo(a)anthracene (µg/kg)	600000 J
Benzo(a)pyrene (µg/kg)	690000 J
Benzo(b)fluoranthene (µg/kg)	590000 J
Dibenzo(a,h)anthracene (µg/kg)	66000 J
Ideno(1,2,3-cd)pyrene (µg/kg)	490000 J
Diesel Range Hydrocarbons (mg/kg)	190000 J
Residual Range Hydrocarbons (mg/kg)	110000 J

Station: LW2-C312	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	128 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Ammonia (mg/kg)	NA
Sulfide (mg/kg)	NA
beta-Hexachlorocyclohexane (µg/kg)	0.38
delta-Hexachlorocyclohexane (µg/kg)	0.081 U
Endrin Ketone (µg/kg)	2.1 NJ
Total of 2,4' and 4,4'-DDD (µg/kg)	24 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	283 JT
Benzo(a)anthracene (µg/kg)	1800
Benzo(a)pyrene (µg/kg)	1900
Benzo(b)fluoranthene (µg/kg)	1100
Dibenzo(a,h)anthracene (µg/kg)	140
Ideno(1,2,3-cd)pyrene (µg/kg)	1400
Diesel Range Hydrocarbons (mg/kg)	560 J
Residual Range Hydrocarbons (mg/kg)	830 J

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ANCHOR ENVIRONMENTAL, L.L.C.

0 90 180 270 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:
- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.
J - The associated numerical value is an estimated quantity.
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T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
NA - Not analyzed.

Figure 2-1e
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 11

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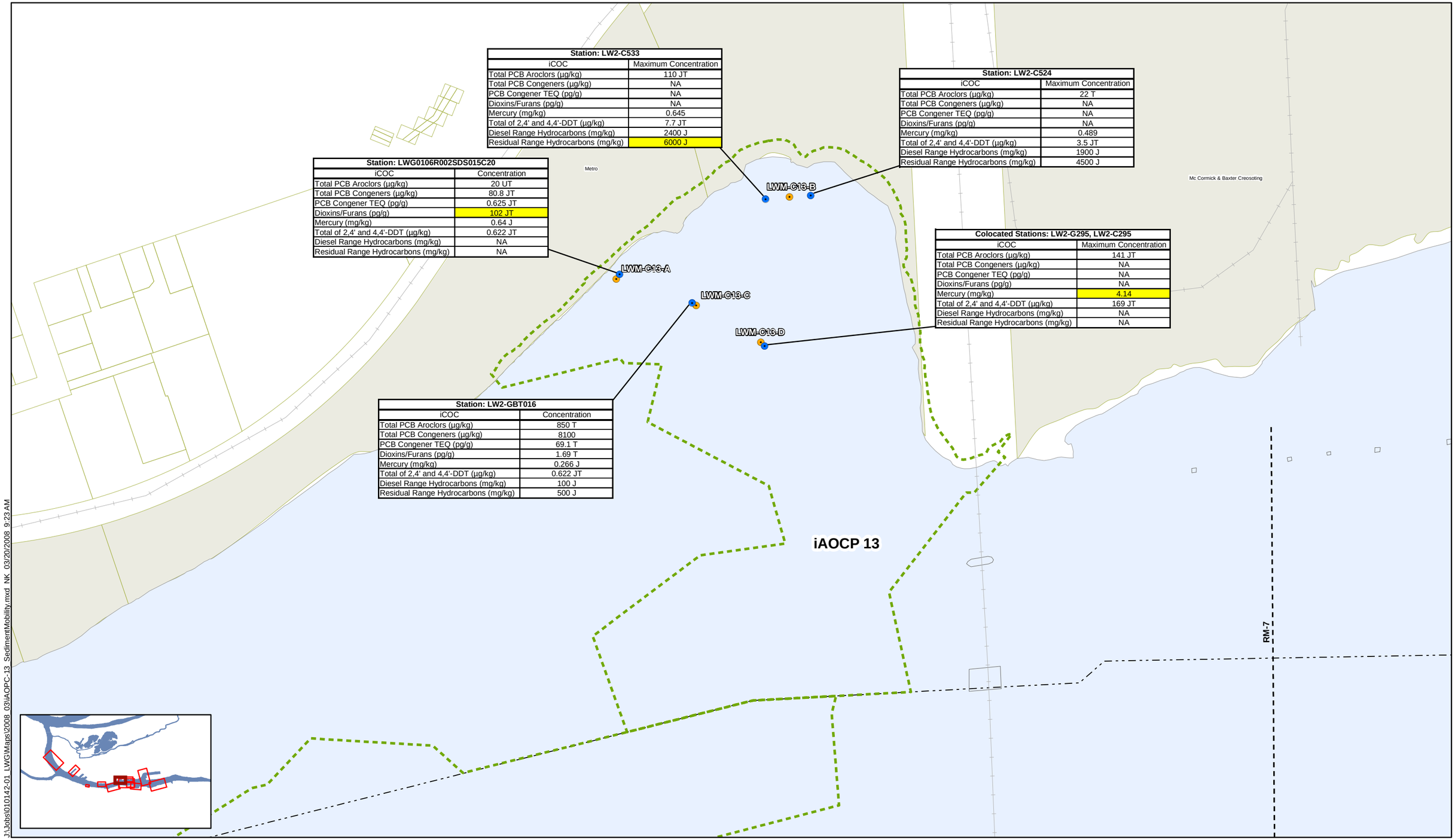

Station: LW2-C533	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	110 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Dioxins/Furans (pg/g)	NA
Mercury (mg/kg)	0.645
Total of 2,4' and 4,4'-DDT (µg/kg)	7.7 JT
Diesel Range Hydrocarbons (mg/kg)	2400 J
Residual Range Hydrocarbons (mg/kg)	6000 J

Station: LW2-C524	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	22 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Dioxins/Furans (pg/g)	NA
Mercury (mg/kg)	0.489
Total of 2,4' and 4,4'-DDT (µg/kg)	3.5 JT
Diesel Range Hydrocarbons (mg/kg)	1900 J
Residual Range Hydrocarbons (mg/kg)	4500 J

Station: LWG0106R002SDS015C20	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	20 UT
Total PCB Congeners (µg/kg)	80.8 JT
PCB Congener TEQ (pg/g)	0.625 JT
Dioxins/Furans (pg/g)	102 JT
Mercury (mg/kg)	0.64 J
Total of 2,4' and 4,4'-DDT (µg/kg)	0.622 JT
Diesel Range Hydrocarbons (mg/kg)	NA
Residual Range Hydrocarbons (mg/kg)	NA

Colocated Stations: LW2-G295, LW2-C295	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	141 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Dioxins/Furans (pg/g)	NA
Mercury (mg/kg)	4.14
Total of 2,4' and 4,4'-DDT (µg/kg)	169 JT
Diesel Range Hydrocarbons (mg/kg)	NA
Residual Range Hydrocarbons (mg/kg)	NA

Station: LW2-GBT016	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	850 T
Total PCB Congeners (µg/kg)	8100
PCB Congener TEQ (pg/g)	69.1 T
Dioxins/Furans (pg/g)	1.69 T
Mercury (mg/kg)	0.266 J
Total of 2,4' and 4,4'-DDT (µg/kg)	0.622 JT
Diesel Range Hydrocarbons (mg/kg)	100 J
Residual Range Hydrocarbons (mg/kg)	500 J

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ANCHOR ENVIRONMENTAL, L.L.C.

0 50 100 150 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:
- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- IAOPC_Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
NA - Not analyzed.

Figure 2-1f
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 13

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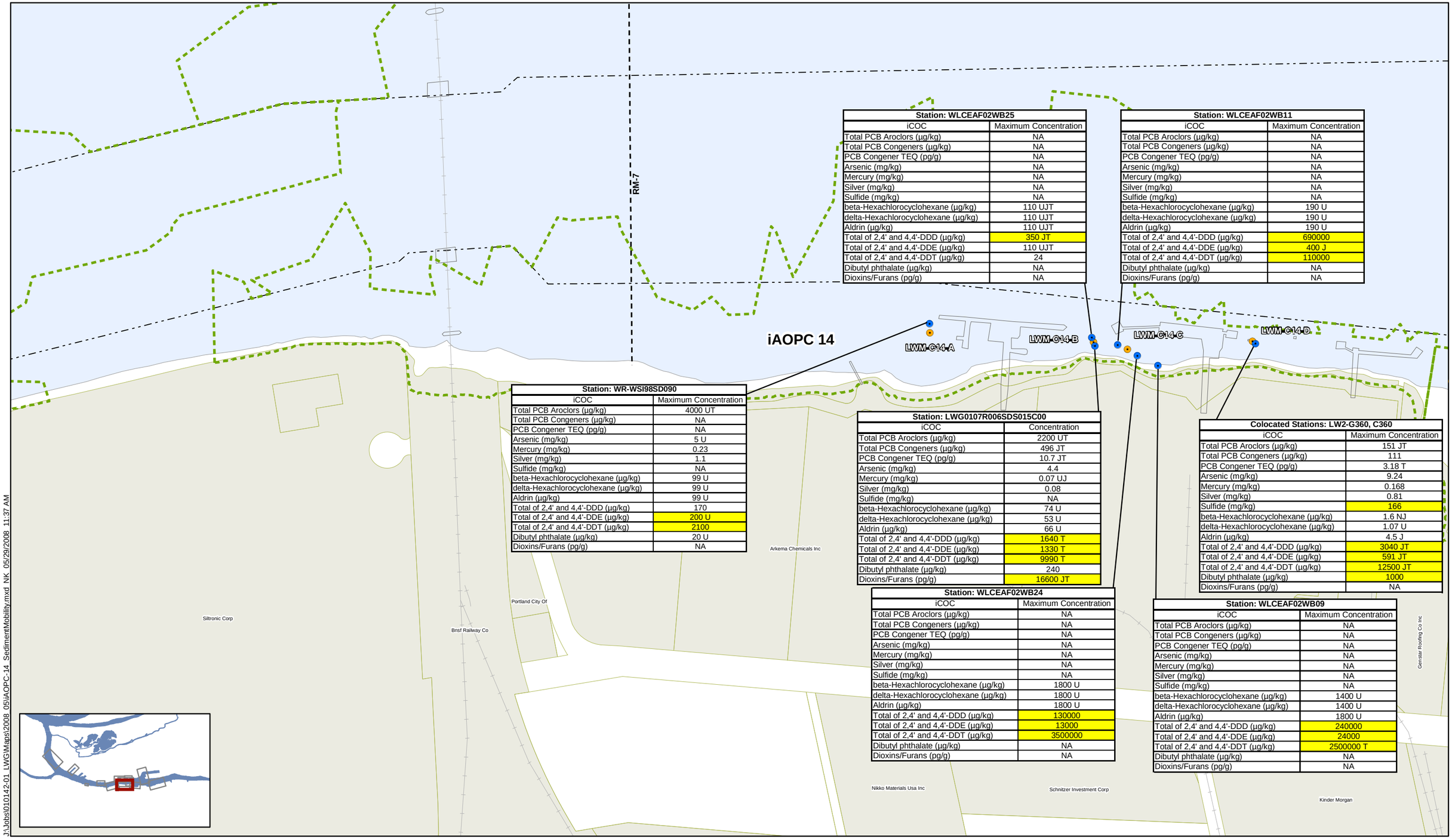

Station: WLCEAF02WB25

iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	NA
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	NA
Mercury (mg/kg)	NA
Silver (mg/kg)	NA
Sulfide (mg/kg)	NA
beta-Hexachlorocyclohexane (µg/kg)	110 UJT
delta-Hexachlorocyclohexane (µg/kg)	110 UJT
Aldrin (µg/kg)	110 UJT
Total of 2,4' and 4,4'-DDD (µg/kg)	350 JT
Total of 2,4' and 4,4'-DDE (µg/kg)	110 UJT
Total of 2,4' and 4,4'-DDT (µg/kg)	24
Dibutyl phthalate (µg/kg)	NA
Dioxins/Furans (pg/g)	NA

Station: WLCEAF02WB11

iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	NA
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	NA
Mercury (mg/kg)	NA
Silver (mg/kg)	NA
Sulfide (mg/kg)	NA
beta-Hexachlorocyclohexane (µg/kg)	190 U
delta-Hexachlorocyclohexane (µg/kg)	190 U
Aldrin (µg/kg)	190 U
Total of 2,4' and 4,4'-DDD (µg/kg)	690000
Total of 2,4' and 4,4'-DDE (µg/kg)	400 J
Total of 2,4' and 4,4'-DDT (µg/kg)	110000
Dibutyl phthalate (µg/kg)	NA
Dioxins/Furans (pg/g)	NA

Station: WR-WSI98SD090

iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	4000 UT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	5 U
Mercury (mg/kg)	0.23
Silver (mg/kg)	1.1
Sulfide (mg/kg)	NA
beta-Hexachlorocyclohexane (µg/kg)	99 U
delta-Hexachlorocyclohexane (µg/kg)	99 U
Aldrin (µg/kg)	99 U
Total of 2,4' and 4,4'-DDD (µg/kg)	170
Total of 2,4' and 4,4'-DDE (µg/kg)	200 U
Total of 2,4' and 4,4'-DDT (µg/kg)	2100
Dibutyl phthalate (µg/kg)	20 U
Dioxins/Furans (pg/g)	NA

Station: LWG0107R006SDS015C00

iCOC	Concentration
Total PCB Aroclors (µg/kg)	2200 UT
Total PCB Congeners (µg/kg)	496 JT
PCB Congener TEQ (pg/g)	10.7 JT
Arsenic (mg/kg)	4.4
Mercury (mg/kg)	0.07 UJ
Silver (mg/kg)	0.08
Sulfide (mg/kg)	NA
beta-Hexachlorocyclohexane (µg/kg)	74 U
delta-Hexachlorocyclohexane (µg/kg)	53 U
Aldrin (µg/kg)	66 U
Total of 2,4' and 4,4'-DDD (µg/kg)	1640 T
Total of 2,4' and 4,4'-DDE (µg/kg)	1330 T
Total of 2,4' and 4,4'-DDT (µg/kg)	9990 T
Dibutyl phthalate (µg/kg)	240
Dioxins/Furans (pg/g)	16600 JT

Colocated Stations: LW2-G360, C360

iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	151 JT
Total PCB Congeners (µg/kg)	111
PCB Congener TEQ (pg/g)	3.18 T
Arsenic (mg/kg)	9.24
Mercury (mg/kg)	0.168
Silver (mg/kg)	0.81
Sulfide (mg/kg)	166
beta-Hexachlorocyclohexane (µg/kg)	1.6 NJ
delta-Hexachlorocyclohexane (µg/kg)	1.07 U
Aldrin (µg/kg)	4.5 J
Total of 2,4' and 4,4'-DDD (µg/kg)	3040 JT
Total of 2,4' and 4,4'-DDE (µg/kg)	591 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	12500 JT
Dibutyl phthalate (µg/kg)	1000
Dioxins/Furans (pg/g)	NA

Station: WLCEAF02WB24

iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	NA
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	NA
Mercury (mg/kg)	NA
Silver (mg/kg)	NA
Sulfide (mg/kg)	NA
beta-Hexachlorocyclohexane (µg/kg)	1800 U
delta-Hexachlorocyclohexane (µg/kg)	1800 U
Aldrin (µg/kg)	1800 U
Total of 2,4' and 4,4'-DDD (µg/kg)	130000
Total of 2,4' and 4,4'-DDE (µg/kg)	13000
Total of 2,4' and 4,4'-DDT (µg/kg)	3500000
Dibutyl phthalate (µg/kg)	NA
Dioxins/Furans (pg/g)	NA

Station: WLCEAF02WB09

iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	NA
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	NA
Mercury (mg/kg)	NA
Silver (mg/kg)	NA
Sulfide (mg/kg)	NA
beta-Hexachlorocyclohexane (µg/kg)	1400 U
delta-Hexachlorocyclohexane (µg/kg)	1400 U
Aldrin (µg/kg)	1800 U
Total of 2,4' and 4,4'-DDD (µg/kg)	240000
Total of 2,4' and 4,4'-DDE (µg/kg)	24000
Total of 2,4' and 4,4'-DDT (µg/kg)	2500000 T
Dibutyl phthalate (µg/kg)	NA
Dioxins/Furans (pg/g)	NA

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ANCHOR ENVIRONMENTAL, L.L.C.

0 100 200 300 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:

- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
NA - Not analyzed.

Figure 2-1g
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 14

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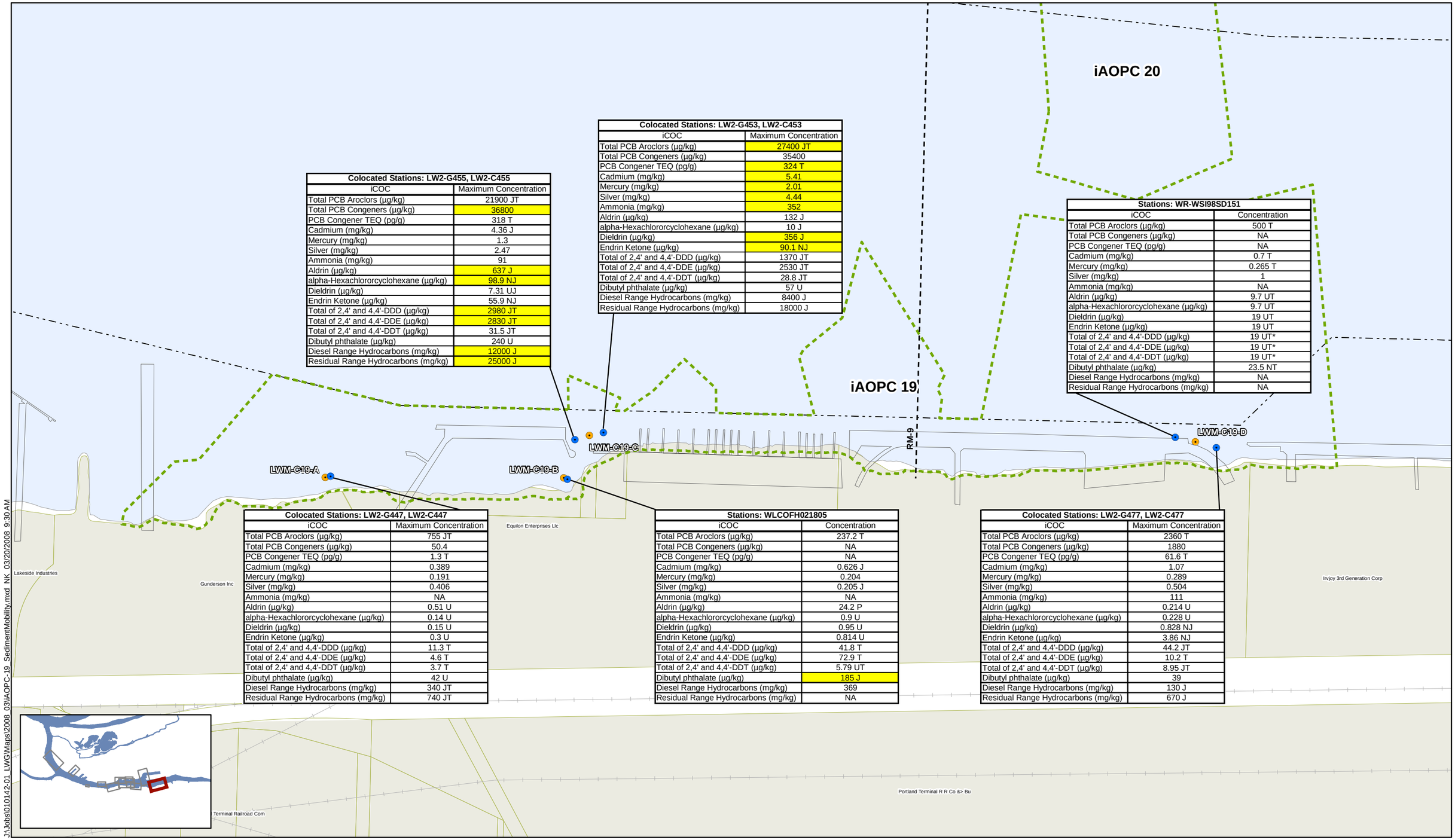

Colocated Stations: LW2-G455, LW2-C455	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	21900 JT
Total PCB Congeners (µg/kg)	36800
PCB Congener TEQ (pg/g)	318 T
Cadmium (mg/kg)	4.36 J
Mercury (mg/kg)	1.3
Silver (mg/kg)	2.47
Ammonia (mg/kg)	91
Aldrin (µg/kg)	637 J
alpha-Hexachlororcyclohexane (µg/kg)	98.9 NJ
Dieldrin (µg/kg)	7.31 UJ
Endrin Ketone (µg/kg)	55.9 NJ
Total of 2,4' and 4,4'-DDD (µg/kg)	2980 JT
Total of 2,4' and 4,4'-DDE (µg/kg)	2830 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	31.5 JT
Dibutyl phthalate (µg/kg)	240 U
Diesel Range Hydrocarbons (mg/kg)	12000 J
Residual Range Hydrocarbons (mg/kg)	25000 J

Colocated Stations: LW2-G453, LW2-C453	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	27400 JT
Total PCB Congeners (µg/kg)	35400
PCB Congener TEQ (pg/g)	324 T
Cadmium (mg/kg)	5.41
Mercury (mg/kg)	2.01
Silver (mg/kg)	4.44
Ammonia (mg/kg)	352
Aldrin (µg/kg)	132 J
alpha-Hexachlororcyclohexane (µg/kg)	10 J
Dieldrin (µg/kg)	356 J
Endrin Ketone (µg/kg)	90.1 NJ
Total of 2,4' and 4,4'-DDD (µg/kg)	1370 JT
Total of 2,4' and 4,4'-DDE (µg/kg)	2530 JT
Total of 2,4' and 4,4'-DDT (µg/kg)	28.8 JT
Dibutyl phthalate (µg/kg)	57 U
Diesel Range Hydrocarbons (mg/kg)	8400 J
Residual Range Hydrocarbons (mg/kg)	18000 J

Stations: WR-WSI98SD151	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	500 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Cadmium (mg/kg)	0.7 T
Mercury (mg/kg)	0.265 T
Silver (mg/kg)	1
Ammonia (mg/kg)	NA
Aldrin (µg/kg)	9.7 UT
alpha-Hexachlororcyclohexane (µg/kg)	9.7 UT
Dieldrin (µg/kg)	19 UT
Endrin Ketone (µg/kg)	19 UT
Total of 2,4' and 4,4'-DDD (µg/kg)	19 UT*
Total of 2,4' and 4,4'-DDE (µg/kg)	19 UT*
Total of 2,4' and 4,4'-DDT (µg/kg)	19 UT*
Dibutyl phthalate (µg/kg)	23.5 NT
Diesel Range Hydrocarbons (mg/kg)	NA
Residual Range Hydrocarbons (mg/kg)	NA

Colocated Stations: LW2-G447, LW2-C447	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	755 JT
Total PCB Congeners (µg/kg)	50.4
PCB Congener TEQ (pg/g)	1.3 T
Cadmium (mg/kg)	0.389
Mercury (mg/kg)	0.191
Silver (mg/kg)	0.406
Ammonia (mg/kg)	NA
Aldrin (µg/kg)	0.51 U
alpha-Hexachlororcyclohexane (µg/kg)	0.14 U
Dieldrin (µg/kg)	0.15 U
Endrin Ketone (µg/kg)	0.3 U
Total of 2,4' and 4,4'-DDD (µg/kg)	11.3 T
Total of 2,4' and 4,4'-DDE (µg/kg)	4.6 T
Total of 2,4' and 4,4'-DDT (µg/kg)	3.7 T
Dibutyl phthalate (µg/kg)	42 U
Diesel Range Hydrocarbons (mg/kg)	340 JT
Residual Range Hydrocarbons (mg/kg)	740 JT

Stations: WLCOFH021805	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	237.2 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Cadmium (mg/kg)	0.626 J
Mercury (mg/kg)	0.204
Silver (mg/kg)	0.205 J
Ammonia (mg/kg)	NA
Aldrin (µg/kg)	24.2 P
alpha-Hexachlororcyclohexane (µg/kg)	0.9 U
Dieldrin (µg/kg)	0.95 U
Endrin Ketone (µg/kg)	0.814 U
Total of 2,4' and 4,4'-DDD (µg/kg)	41.8 T
Total of 2,4' and 4,4'-DDE (µg/kg)	72.9 T
Total of 2,4' and 4,4'-DDT (µg/kg)	5.79 UT
Dibutyl phthalate (µg/kg)	185 J
Diesel Range Hydrocarbons (mg/kg)	369
Residual Range Hydrocarbons (mg/kg)	NA

Colocated Stations: LW2-G477, LW2-C477	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	2360 T
Total PCB Congeners (µg/kg)	1880
PCB Congener TEQ (pg/g)	61.6 T
Cadmium (mg/kg)	1.07
Mercury (mg/kg)	0.289
Silver (mg/kg)	0.504
Ammonia (mg/kg)	111
Aldrin (µg/kg)	0.214 U
alpha-Hexachlororcyclohexane (µg/kg)	0.228 U
Dieldrin (µg/kg)	0.828 NJ
Endrin Ketone (µg/kg)	3.86 NJ
Total of 2,4' and 4,4'-DDD (µg/kg)	44.2 JT
Total of 2,4' and 4,4'-DDE (µg/kg)	10.2 T
Total of 2,4' and 4,4'-DDT (µg/kg)	8.95 JT
Dibutyl phthalate (µg/kg)	39
Diesel Range Hydrocarbons (mg/kg)	130 J
Residual Range Hydrocarbons (mg/kg)	670 J

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ANCHOR ENVIRONMENTAL, L.L.C.

0 100 200 300 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:
- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
NA - Not analyzed.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).

Figure 2-1h
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 19

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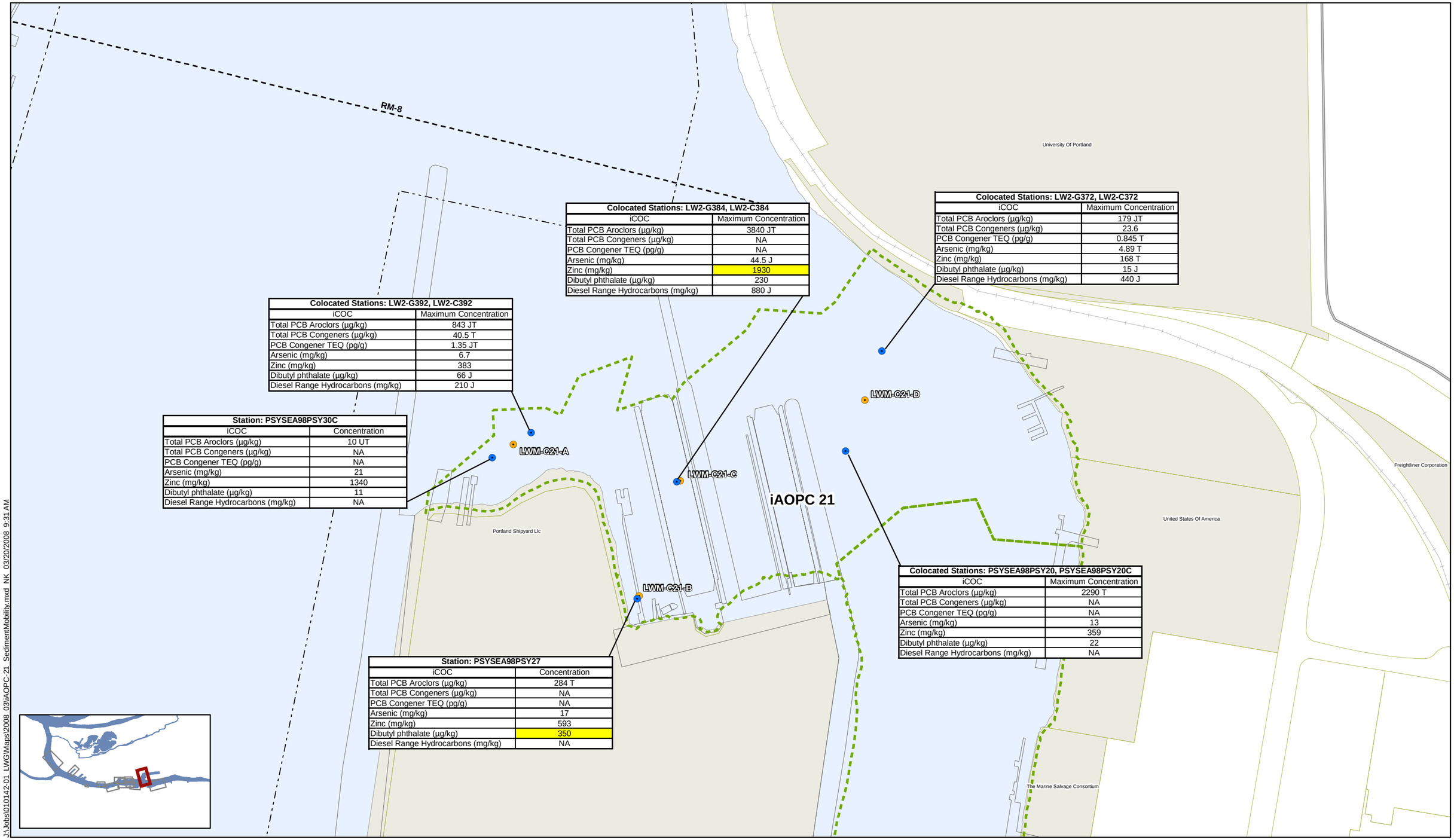

Colocated Stations: LW2-G384, LW2-C384	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	3840 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	44.5 J
Zinc (mg/kg)	1930
Dibutyl phthalate (µg/kg)	230
Diesel Range Hydrocarbons (mg/kg)	880 J

Colocated Stations: LW2-G372, LW2-C372	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	179 JT
Total PCB Congeners (µg/kg)	23.6
PCB Congener TEQ (pg/g)	0.845 T
Arsenic (mg/kg)	4.89 T
Zinc (mg/kg)	168 T
Dibutyl phthalate (µg/kg)	15 J
Diesel Range Hydrocarbons (mg/kg)	440 J

Colocated Stations: LW2-G392, LW2-C392	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	843 JT
Total PCB Congeners (µg/kg)	40.5 T
PCB Congener TEQ (pg/g)	1.35 JT
Arsenic (mg/kg)	6.7
Zinc (mg/kg)	383
Dibutyl phthalate (µg/kg)	66 J
Diesel Range Hydrocarbons (mg/kg)	210 J

Station: PSYSEA98PSY30C	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	10 UT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	21
Zinc (mg/kg)	1340
Dibutyl phthalate (µg/kg)	11
Diesel Range Hydrocarbons (mg/kg)	NA

Colocated Stations: PSYSEA98PSY20, PSYSEA98PSY20C	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	2290 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	13
Zinc (mg/kg)	359
Dibutyl phthalate (µg/kg)	22
Diesel Range Hydrocarbons (mg/kg)	NA

Station: PSYSEA98PSY27	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	284 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA
Arsenic (mg/kg)	17
Zinc (mg/kg)	593
Dibutyl phthalate (µg/kg)	350
Diesel Range Hydrocarbons (mg/kg)	NA

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ANCHOR ENVIRONMENTAL, L.L.C.

0 100 200 300 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:
- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

Concentration exceeds sitewide maximum 95th percentile concentration shown on Table 2-1.
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
NA - Not analyzed.

Figure 2-1i
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 21

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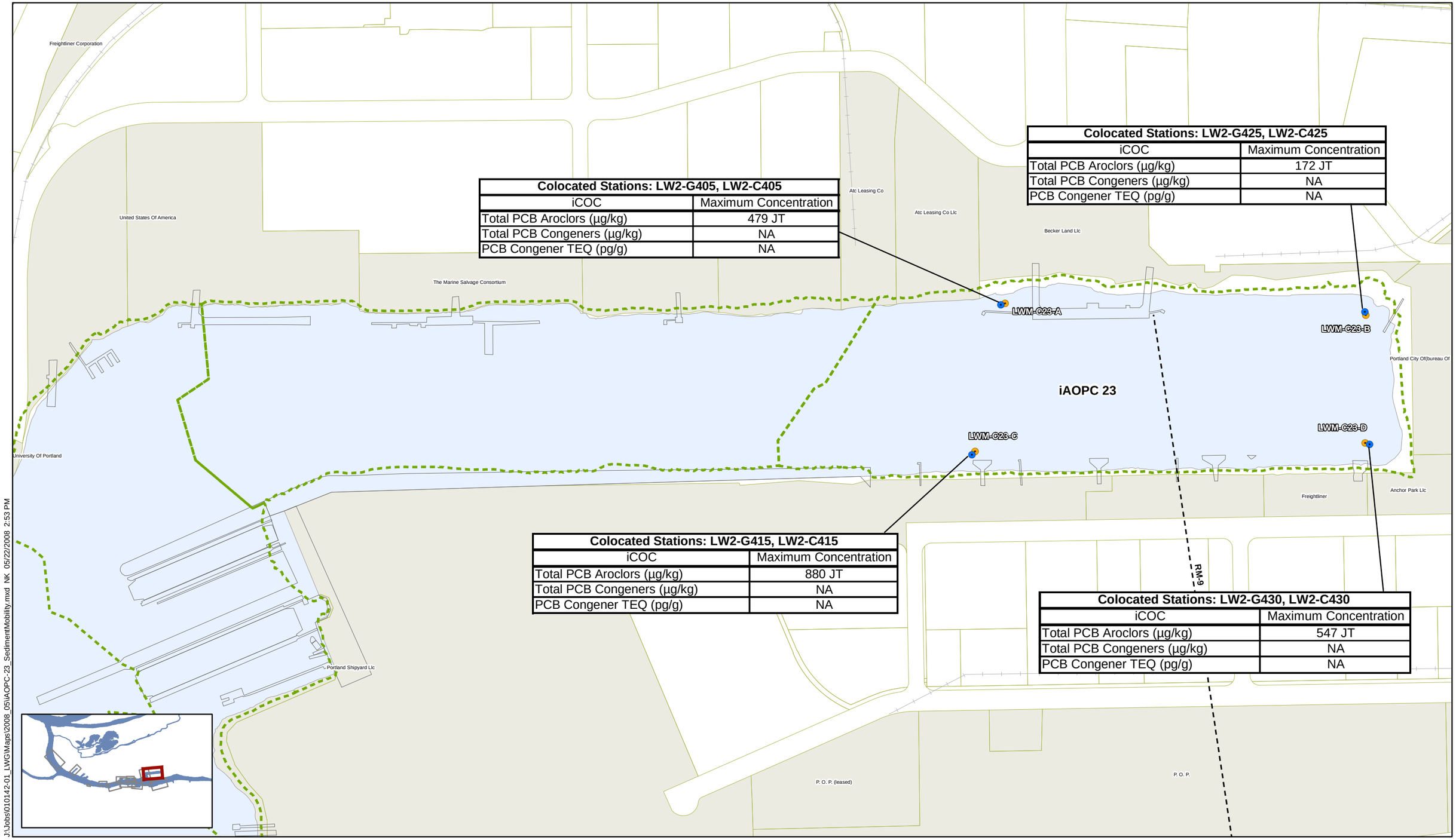

Colocated Stations: LW2-G405, LW2-C405	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	479 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA

Colocated Stations: LW2-G425, LW2-C425	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	172 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA

Colocated Stations: LW2-G415, LW2-C415	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	880 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA

Colocated Stations: LW2-G430, LW2-C430	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	547 JT
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA

ANCHOR ENVIRONMENTAL, L.L.C.

0 100 200 300 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:

- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
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U - The material was analyzed for, but was not detected. The associated numerical value is the
NA - Not analyzed.

Figure 2-1j
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 23

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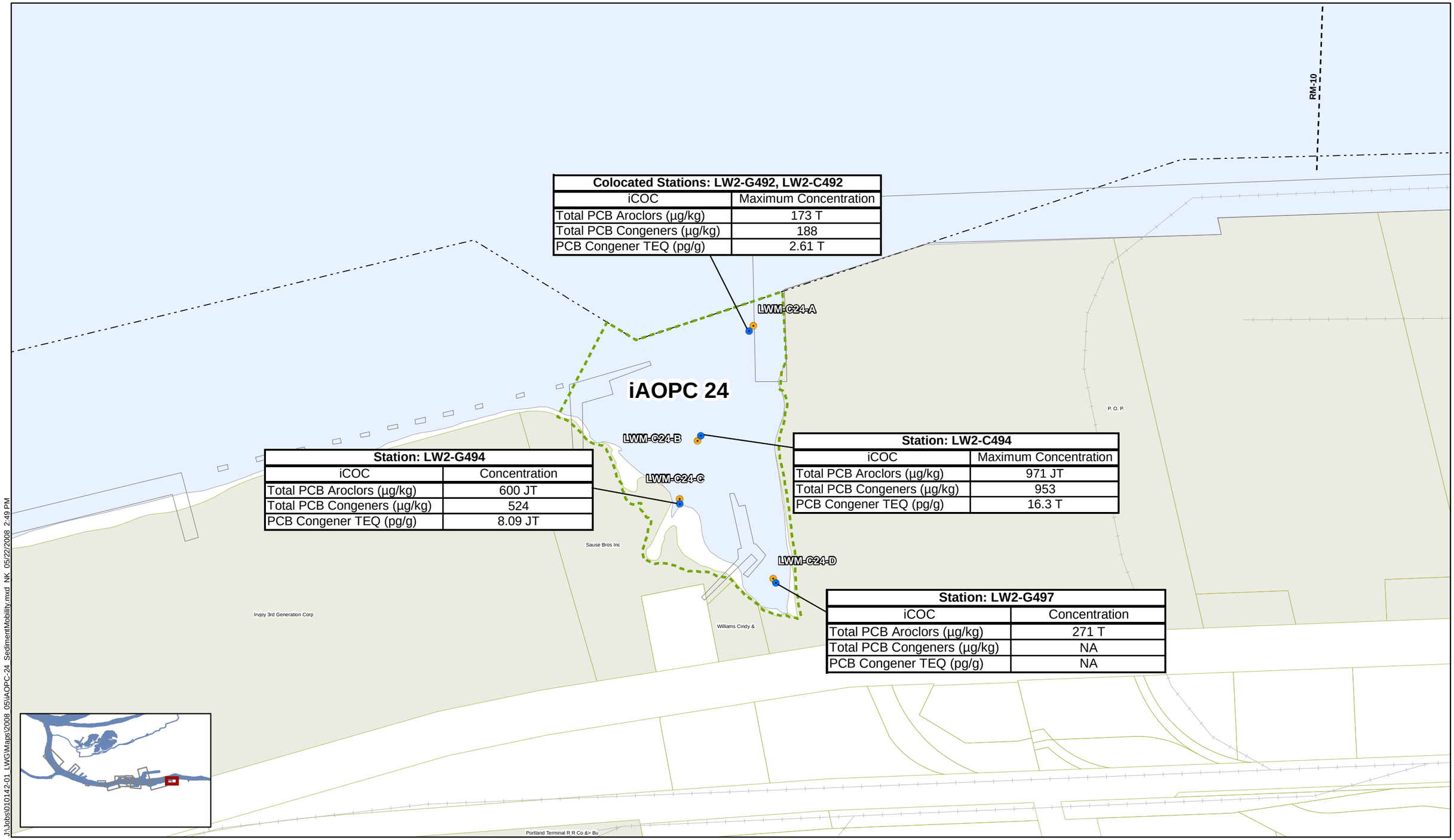

Colocated Stations: LW2-G492, LW2-C492	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	173 T
Total PCB Congeners (µg/kg)	188
PCB Congener TEQ (pg/g)	2.61 T

Station: LW2-G494	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	600 JT
Total PCB Congeners (µg/kg)	524
PCB Congener TEQ (pg/g)	8.09 JT

Station: LW2-C494	
iCOC	Maximum Concentration
Total PCB Aroclors (µg/kg)	971 JT
Total PCB Congeners (µg/kg)	953
PCB Congener TEQ (pg/g)	16.3 T

Station: LW2-G497	
iCOC	Concentration
Total PCB Aroclors (µg/kg)	271 T
Total PCB Congeners (µg/kg)	NA
PCB Congener TEQ (pg/g)	NA

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ANCHOR ENVIRONMENTAL, L.L.C.

0 100 200 300 Feet

LWG LOWER WILLAMETTE GROUP

Map Features:
- Round 2 Sample Location
- Proposed Sample Location
- River miles
- Railroads
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- iAOPC Boundary

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the
NA - Not analyzed.

Figure 2-1k
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Round 2 Sediment Chemistry and MET/SBLT Proposed Subsurface Sampling Locations
iAOPC 24

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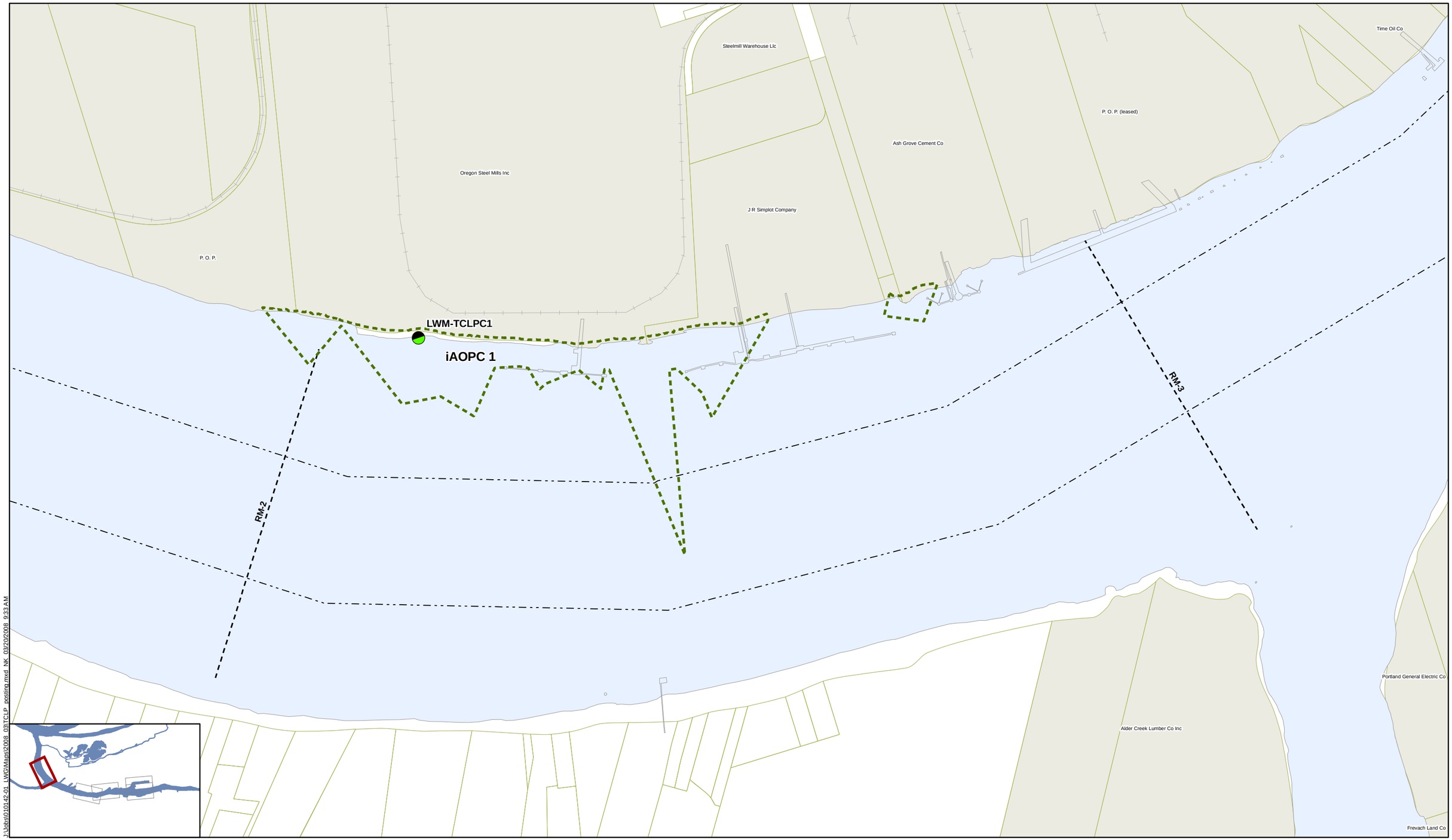

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ANCHOR ENVIRONMENTAL, L.L.C.

LWG LOWER WILLAMETTE GROUP

N

0 150 300 450 Feet

Map Features:
- iAOPC Boundary
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- River miles
- Railroads
- Proposed Sample Location

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

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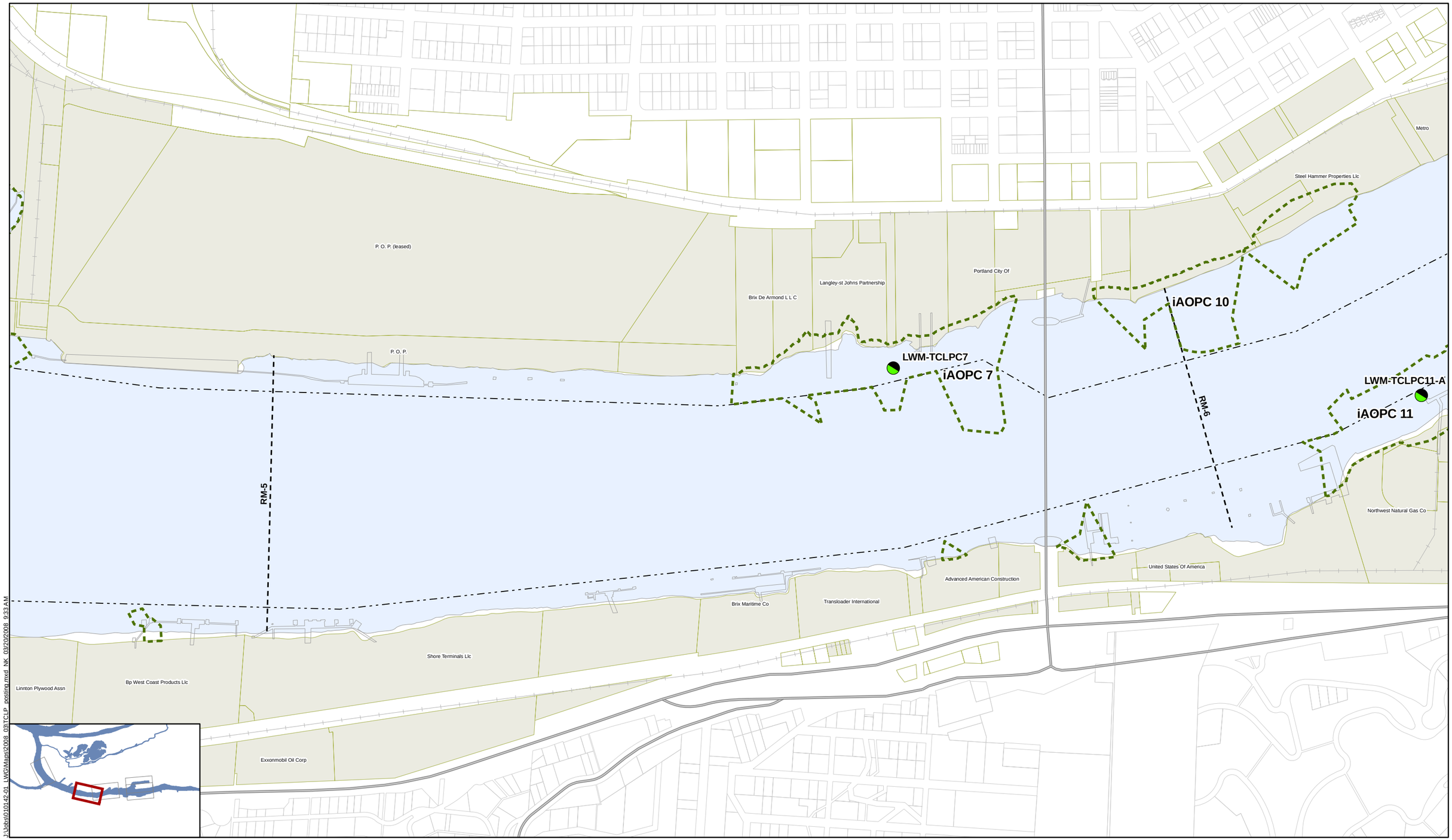
Figure 2-2a
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Proposed TCLP Subsurface Sediment Sampling Locations
iAOPC 1



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ANCHOR ENVIRONMENTAL, L.L.C.

LWG LOWER WILLAMETTE GROUP

0 150 300 450 Feet

Map Features:
- iAOPC Boundary
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- River miles
- Railroads
- Proposed Sample Location

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

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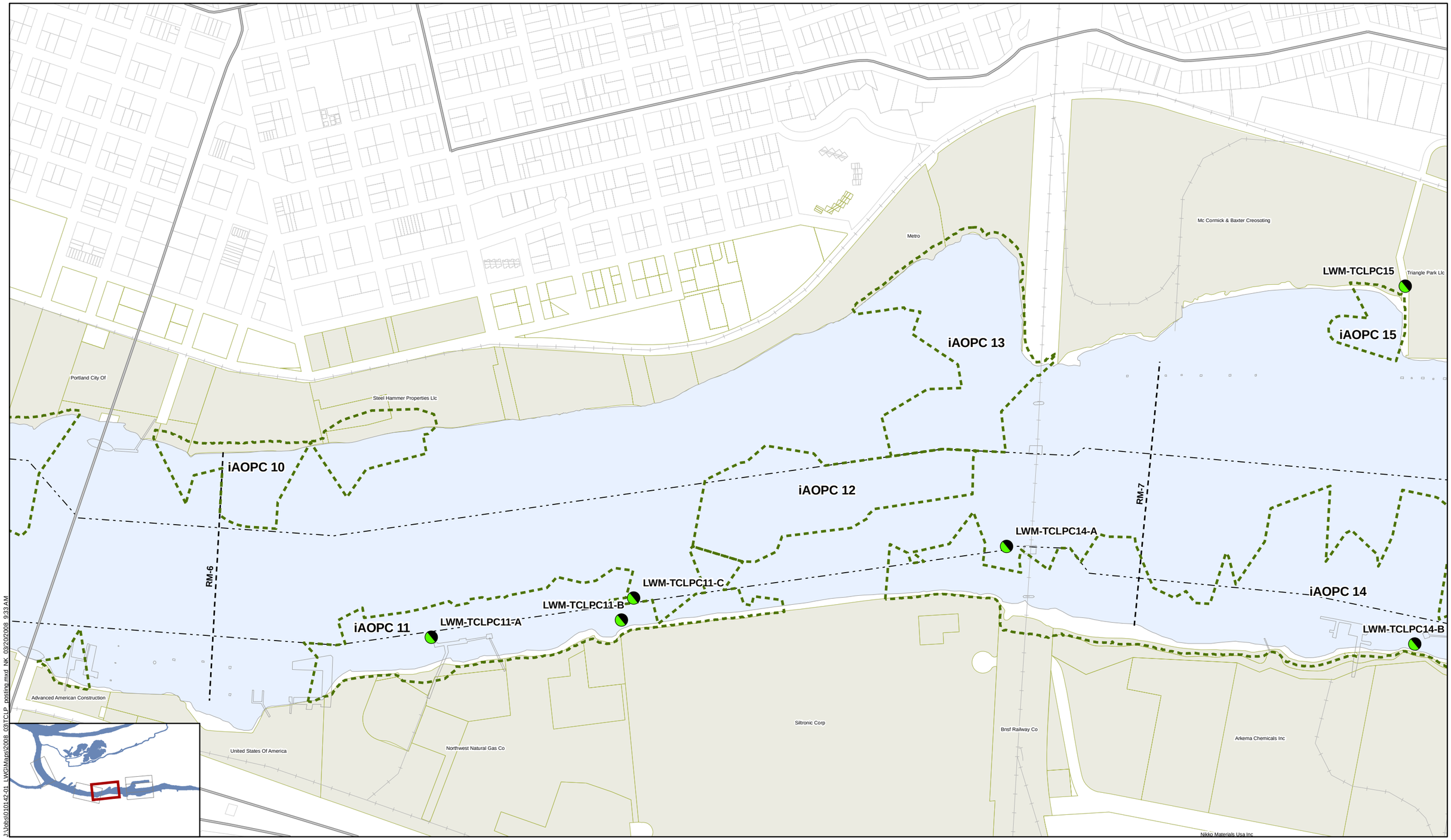
Figure 2-2b
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Proposed TCLP Subsurface Sediment Sampling Locations
iAOPC 7



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ANCHOR ENVIRONMENTAL, L.L.C.

LWG LOWER WILLAMETTE GROUP

0 150 300 450 Feet

Map Features:
- iAOPC Boundary
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- River miles
- Railroads
- Proposed Sample Location

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

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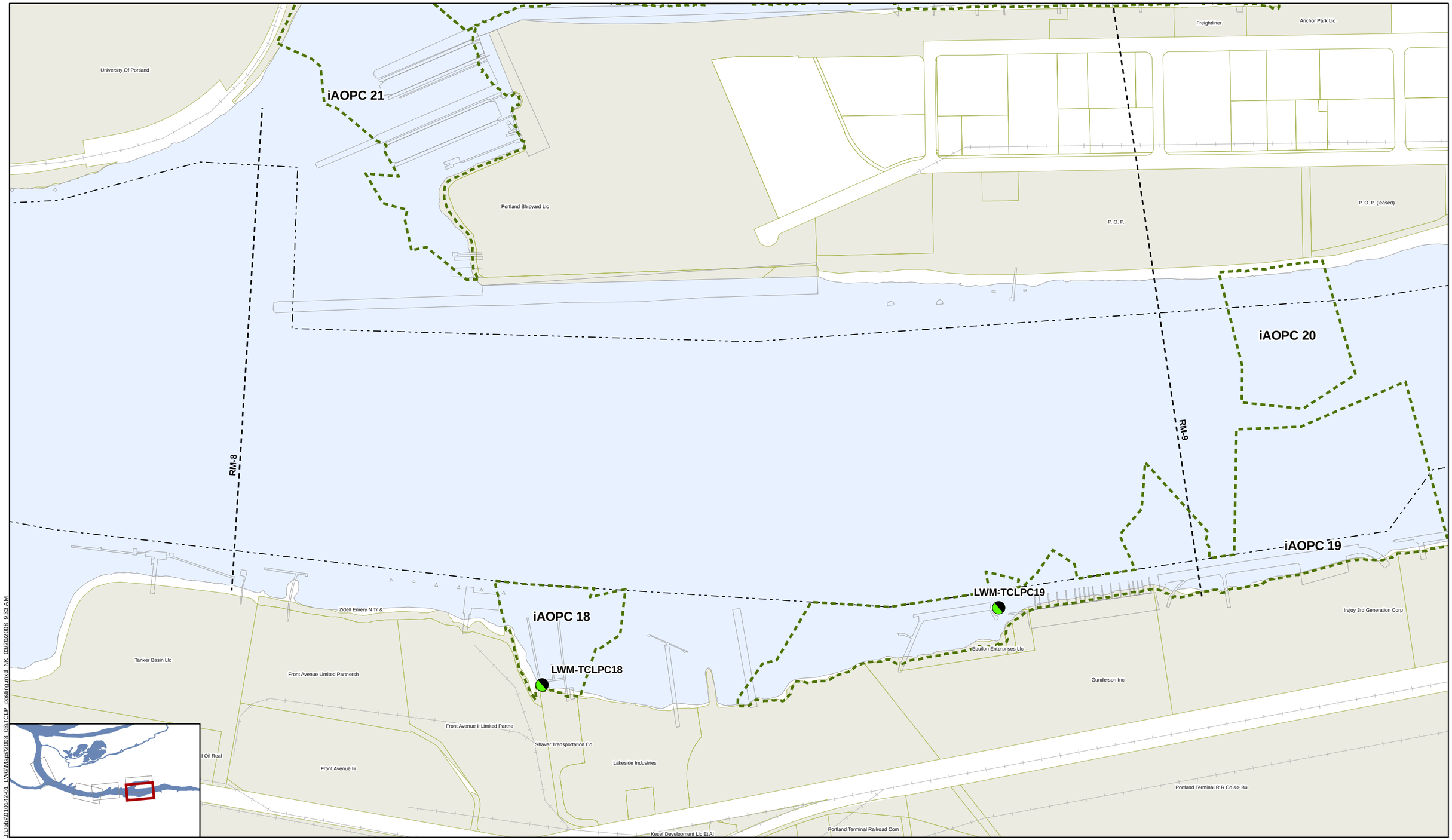
Figure 2-2c
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Proposed TCLP Subsurface Sediment Sampling Locations
iAOPC 11,14, 15



ANCHOR ENVIRONMENTAL, L.L.C.

LWG LOWER WILLAMETTE GROUP

N

0 150 300 450 Feet

Map Features:

- iAOPC Boundary
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- River miles
- Railroads
- Proposed Sample Location

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

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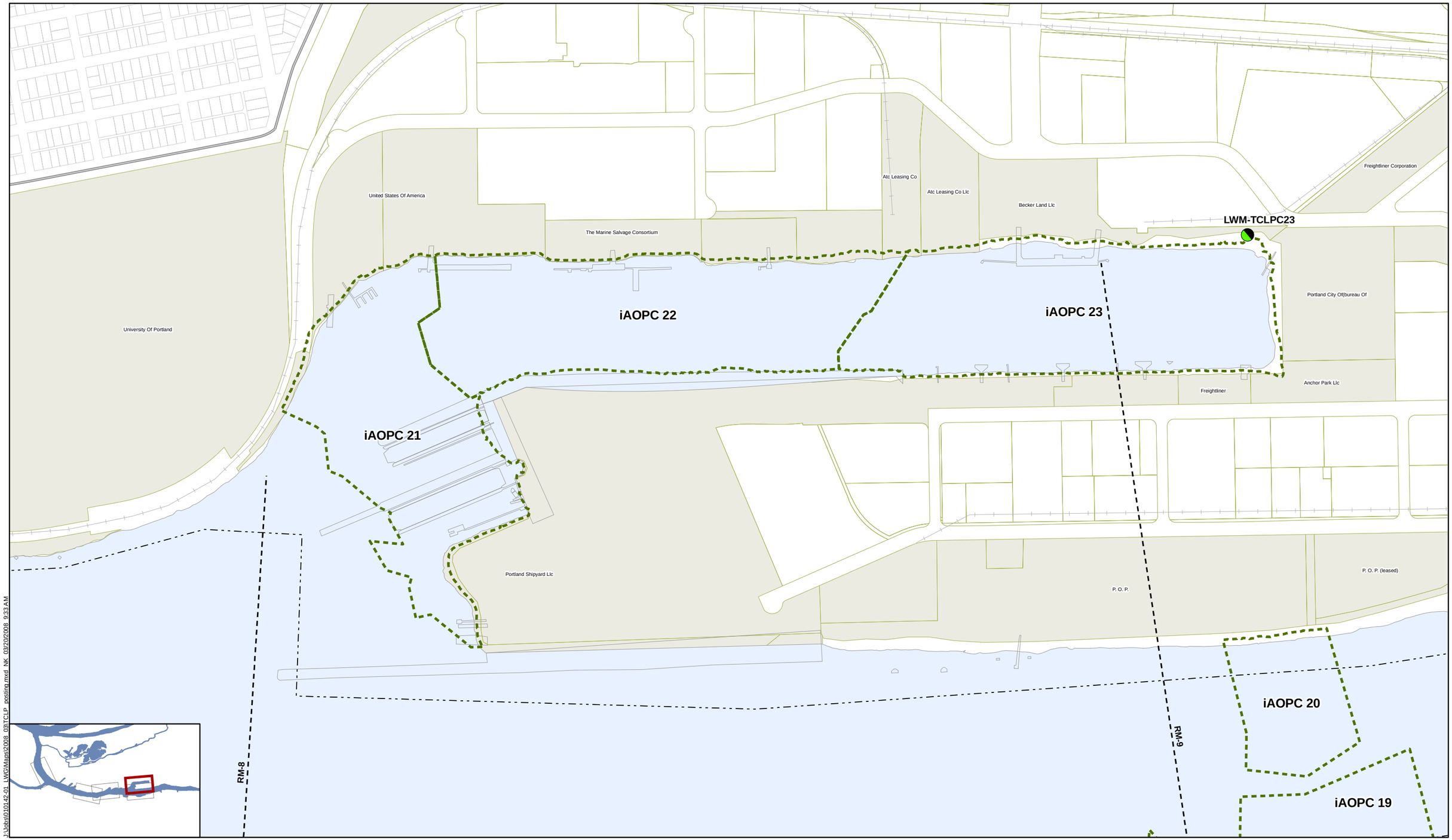
Figure 2-2d
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Proposed TCLP Subsurface Sediment Sampling Locations
iAOPC 18,19



ANCHOR ENVIRONMENTAL, L.L.C.

LWG LOWER WILLAMETTE GROUP

0 150 300 450 Feet

Map Features:
- iAOPC Boundary
- Docks and Structures
- Navigation Channel
- Waterfront Taxlots
- River miles
- Railroads
- Proposed Sample Location

FEATURE SOURCES:
River miles: US Army Corps of Engineers.
Waterfront taxlots, railroads, streets: RLIS, 2006

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Figure 2-2e
Portland Harbor RI/FS
LWG Sediment Chemical Mobility Testing Field Sampling Plan
Proposed TCLP Subsurface Sediment Sampling Locations
iAOPC 23

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