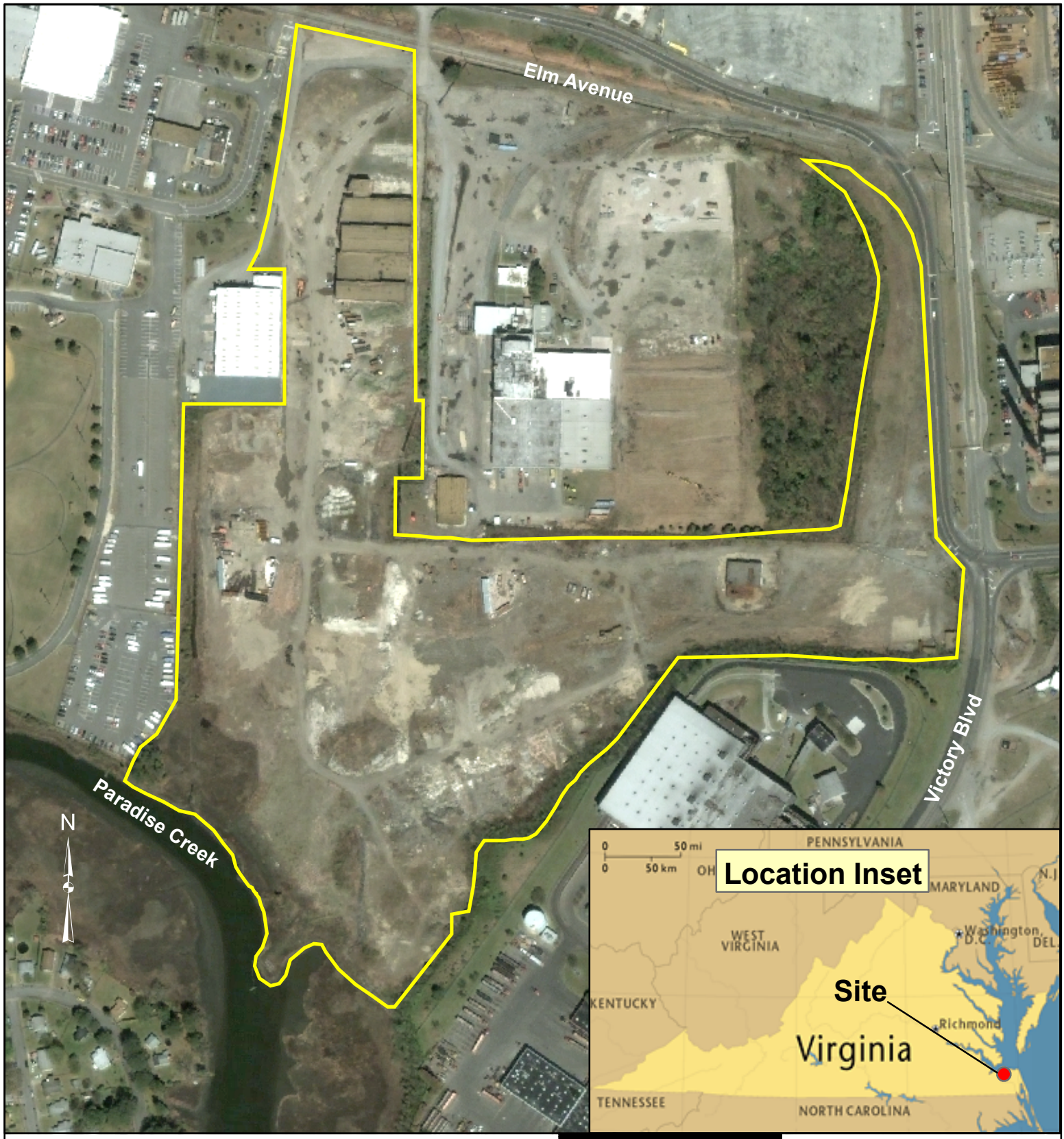
EXTENT OF CONTAMINATION STUDY

Peck Iron and Metal Site

Portsmouth Virginia



Legend

Approximate Site Boundary

0 125 250 500 750 1,000 Feet

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Suite 600
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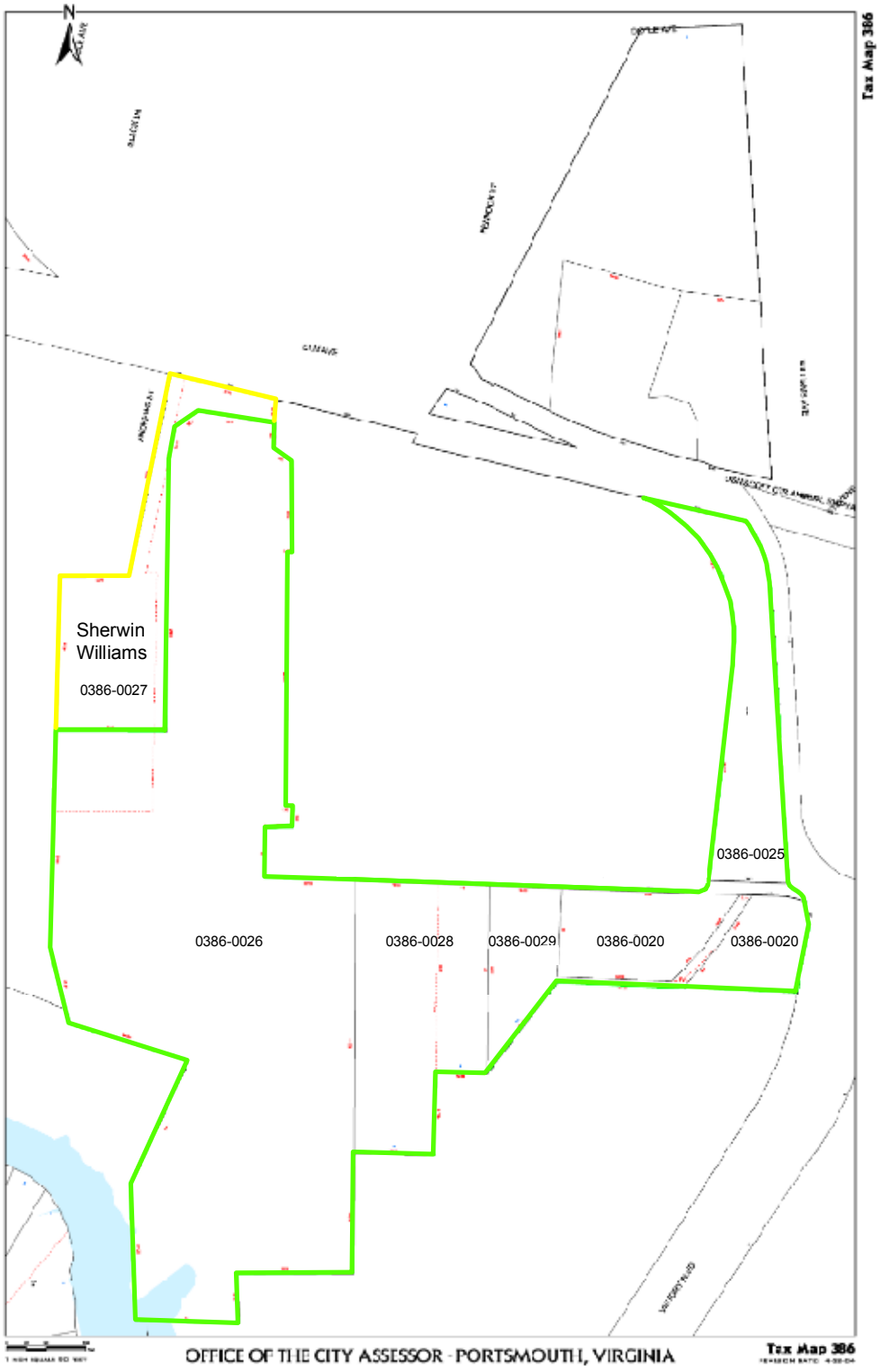
Site Location Map

The Peck Company

October 2008

Figure 1-1



Legend

- Former Peck Company Property
- Current Peck Company Property

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Suite 600
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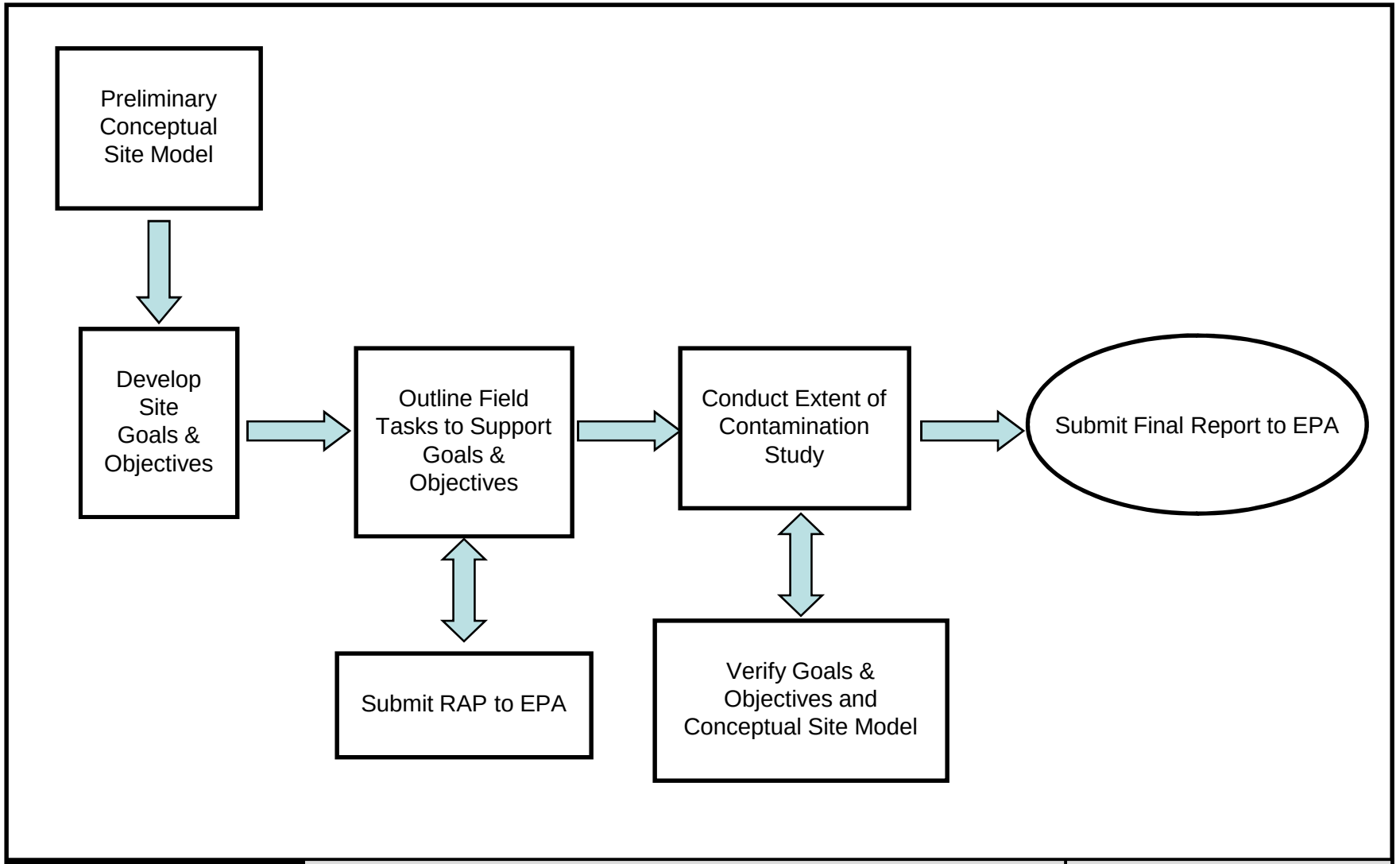
Tax Parcels Map
Edited by Malcolm Pirnie

The Peck Company

October 2008 | **Figure 1-2**



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CONCEPTUAL PROJECT APPROACH

Response Action Plan
Peck Iron and Metal Site

Figure 1-3

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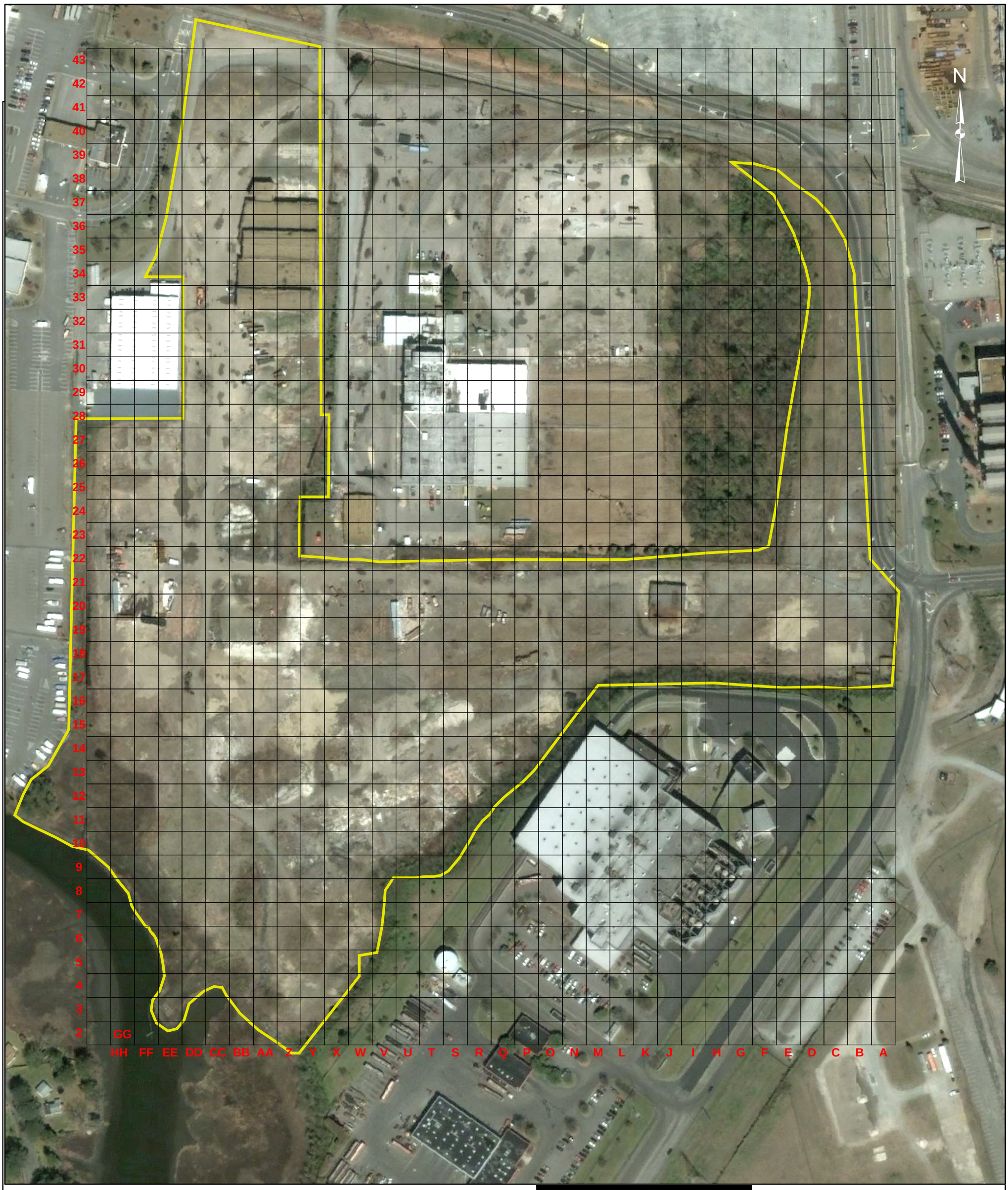

Legend

- 50' x 50' Sampling Cell
- Approximate Site Boundary

0 100 200 400 600

Feet

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Sampling Grid

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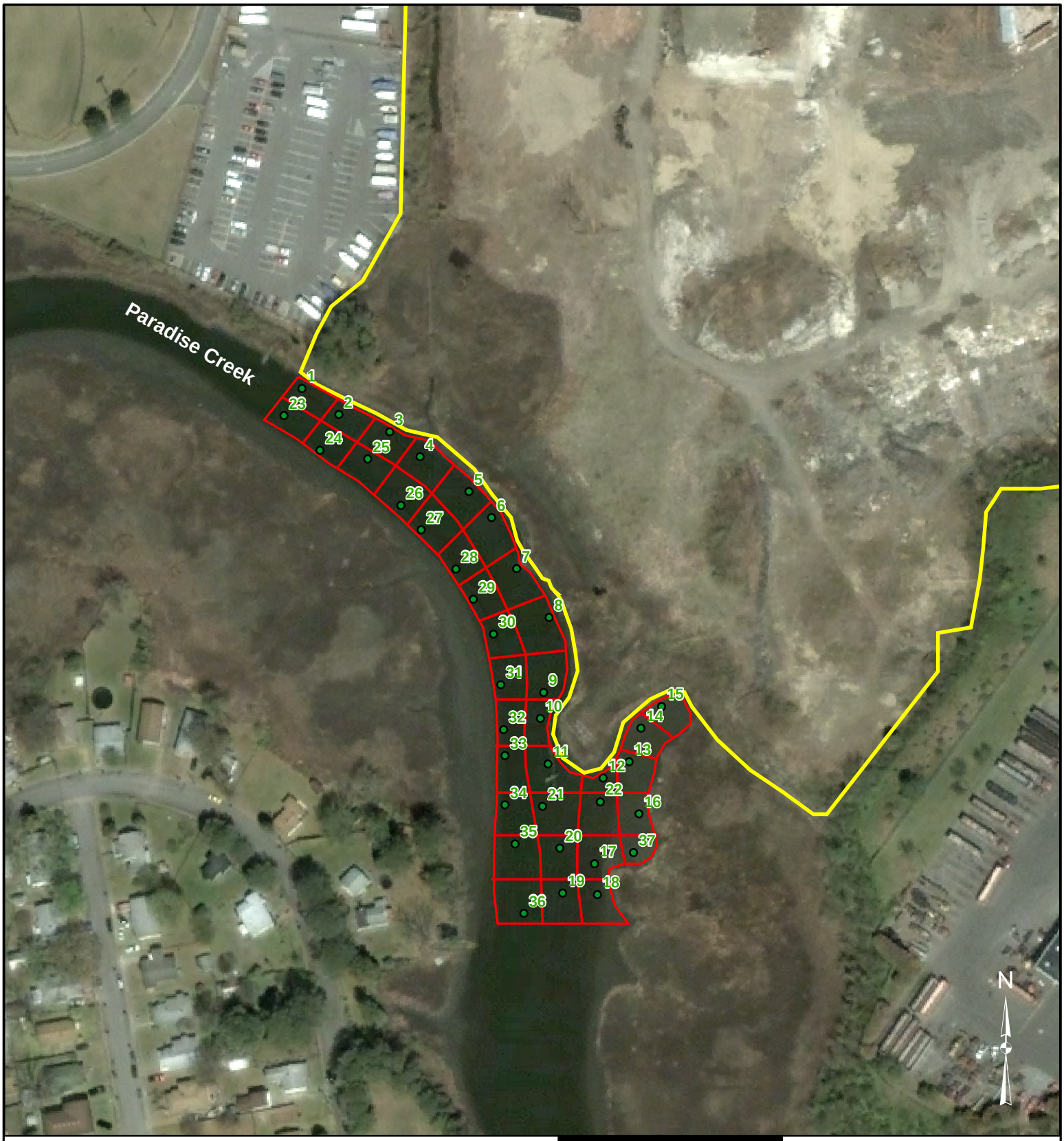
September 2008

Figure 2-1



Legend

- Sediment Sampling Point
- Sampling Grid Cell
- Approximate Site Boundary

0 75 150 300 450

Feet

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Sediment Sampling Grid
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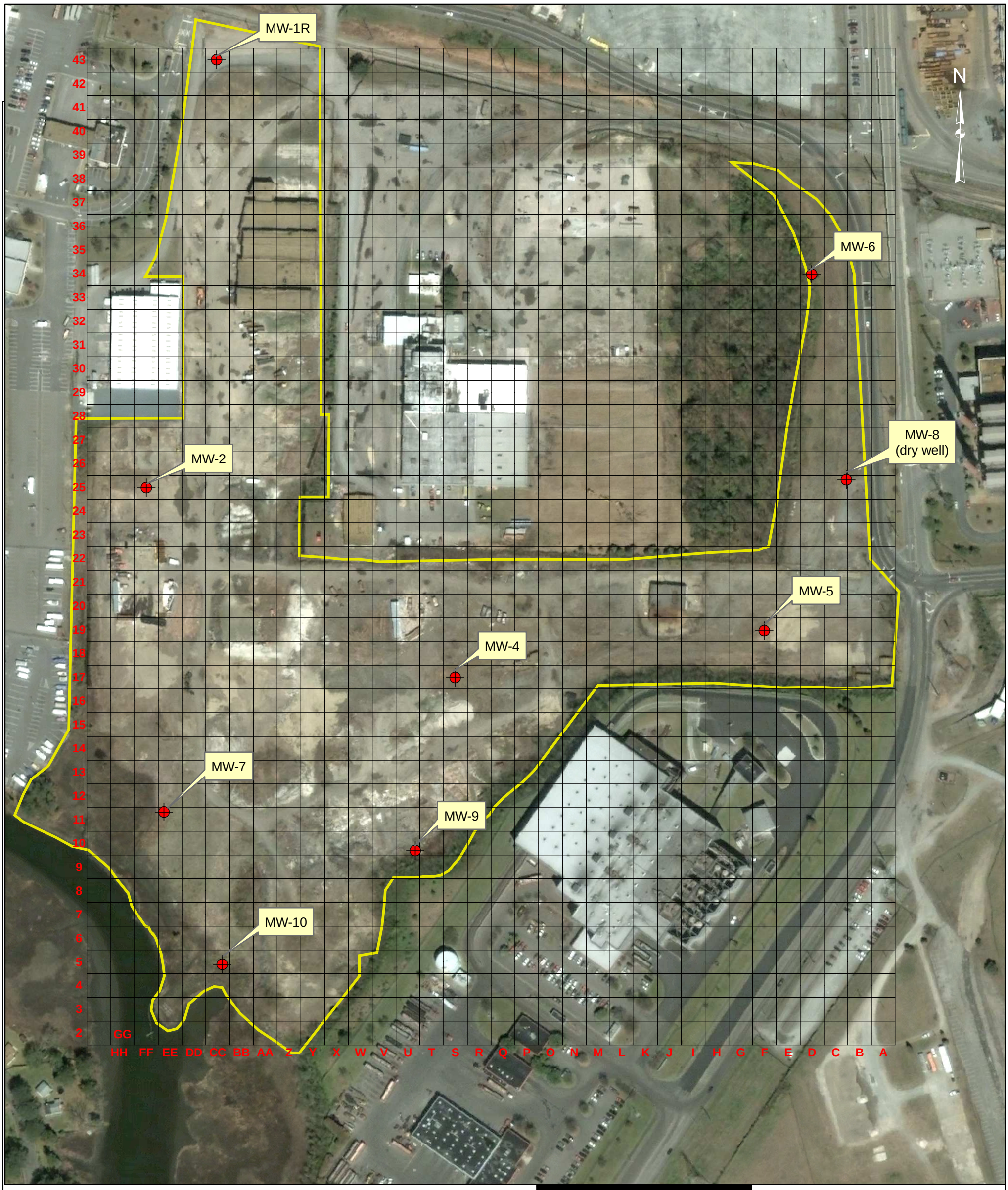
September 2008

Figure 2-2



Legend

- Monitoring Well
- 50' x 50' Sampling Cell
- Approximate Site Boundary

0 100 200 400 600
Feet

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Monitoring Well Locations

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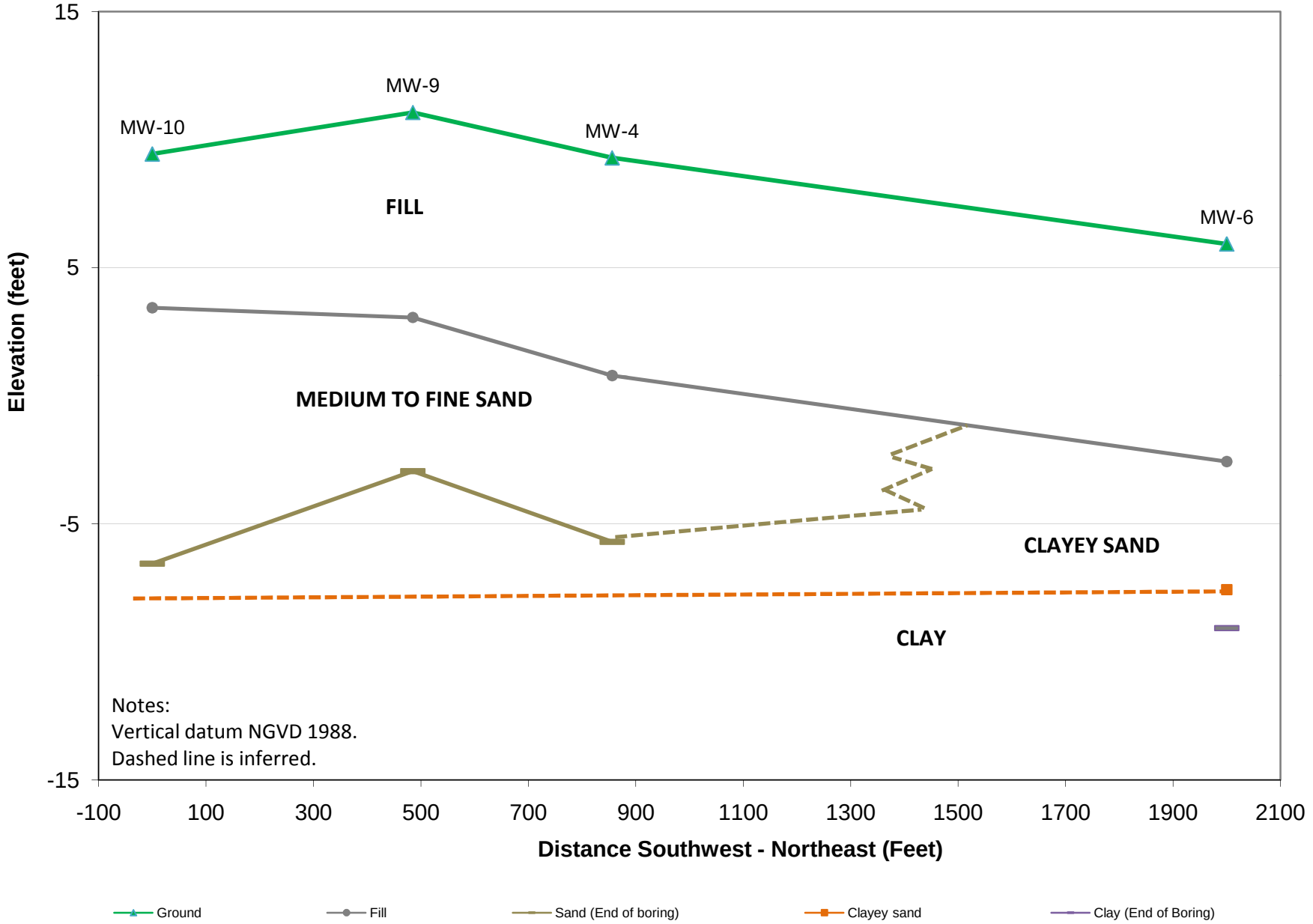
Figure 2-3

Figure 3-1
Southwest to Northeast Cross Section
Peck Iron and Metal Site



Notes:
Water levels measured on July 24, 2008.
Vertical datum is NGVD 1988.
MW-6 and MW-8 are not screened in the water table aquifer (see report).
Dashed groundwater contours are inferred.

Legend

- Monitoring Well and GW Elevation (ft)
- Cross section
- Groundwater Contour (ft)
- Site Boundary

0 62.5 125 250 375 500
Feet

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Groundwater Elevations and
Estimated Groundwater Contours

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Figure 3-2

Legend

- Approximate Site Boundary
- PCBs Hot Zone
- Dense Vegetation; Inaccesible
- Inaccessible
- Concrete

PCB 0 - 18 inches

- 50' X 50' Sampling Cells
- PCB < 1 ppm
- PCB 1 - 10 ppm
- PCB 10 - 25 ppm
- PCB 25 - 50 ppm
- PCB > 50 ppm

0 50 100 200 300 400

Feet

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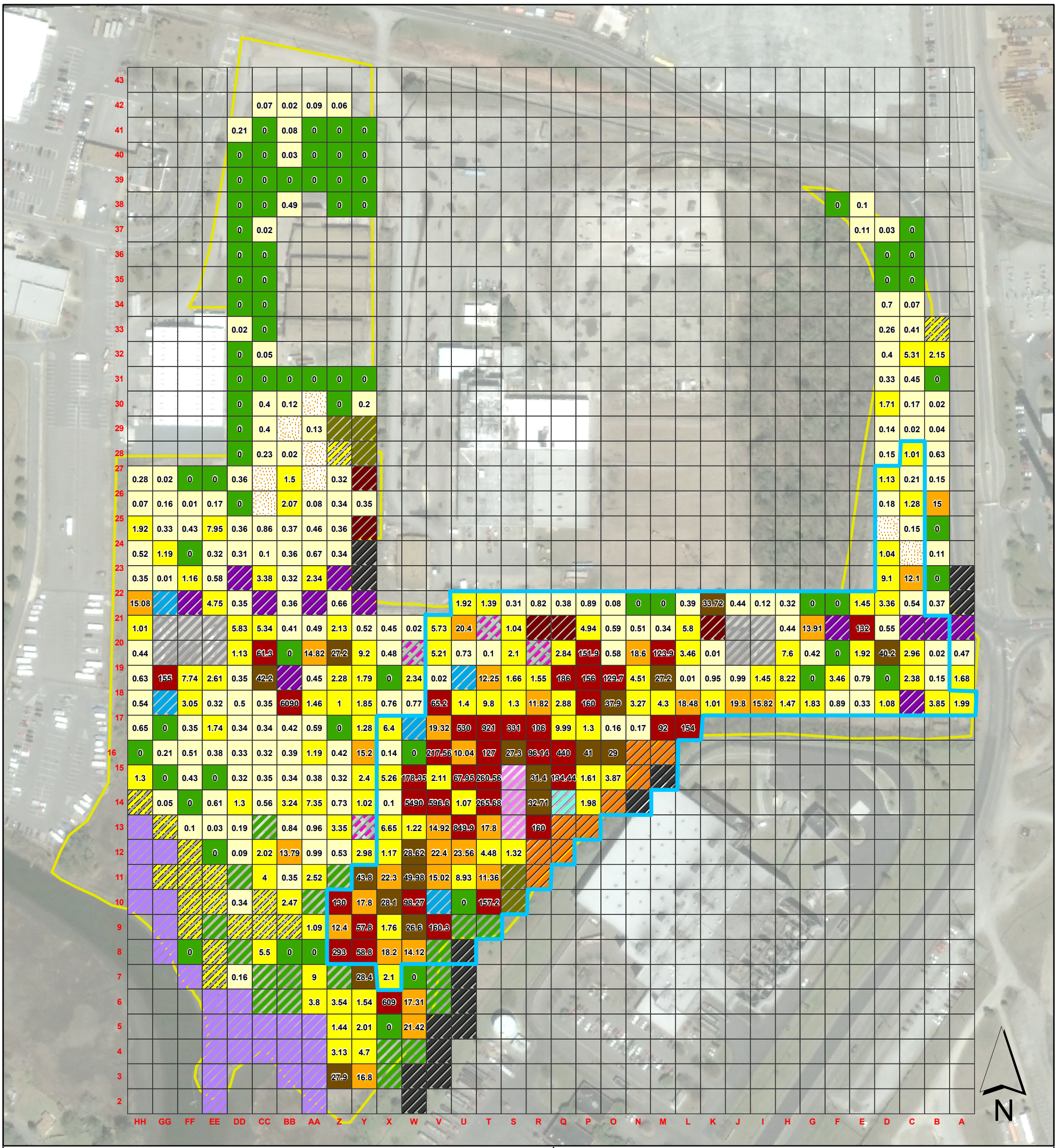
PCB Concentrations in Surface Soils (0" - 18")

The Peck Company
Portsmouth, Virginia

October 2008

Figure 4-1



Legend

- Approximate Site Boundary
- PCBs Hot Zone

PCB 18" - Water Table

- 50' X 50' Sampling Cell
- BDL Below Detection Limit
- PCB < 1 ppm
- PCB 1 - 10 ppm
- PCB 10 - 25 ppm
- PCB 25 - 50 ppm
- PCB > 50 ppm

- Not Sampled for PCB
- Inaccessible
- Refusal
- Too Steep
- Utility Lines
- Not Sampled at 18" and Lower
- Refused; Subsurface Debris
- Water Table; Unable to Sample
- Off-Property
- Concrete
- Dense Vegetation; Inaccesible
- Refusal at 18 inches
- Marsh; Not Sampled at 18" and Lower
- Sampled; No Data

0 50 100 200 300 400
Feet

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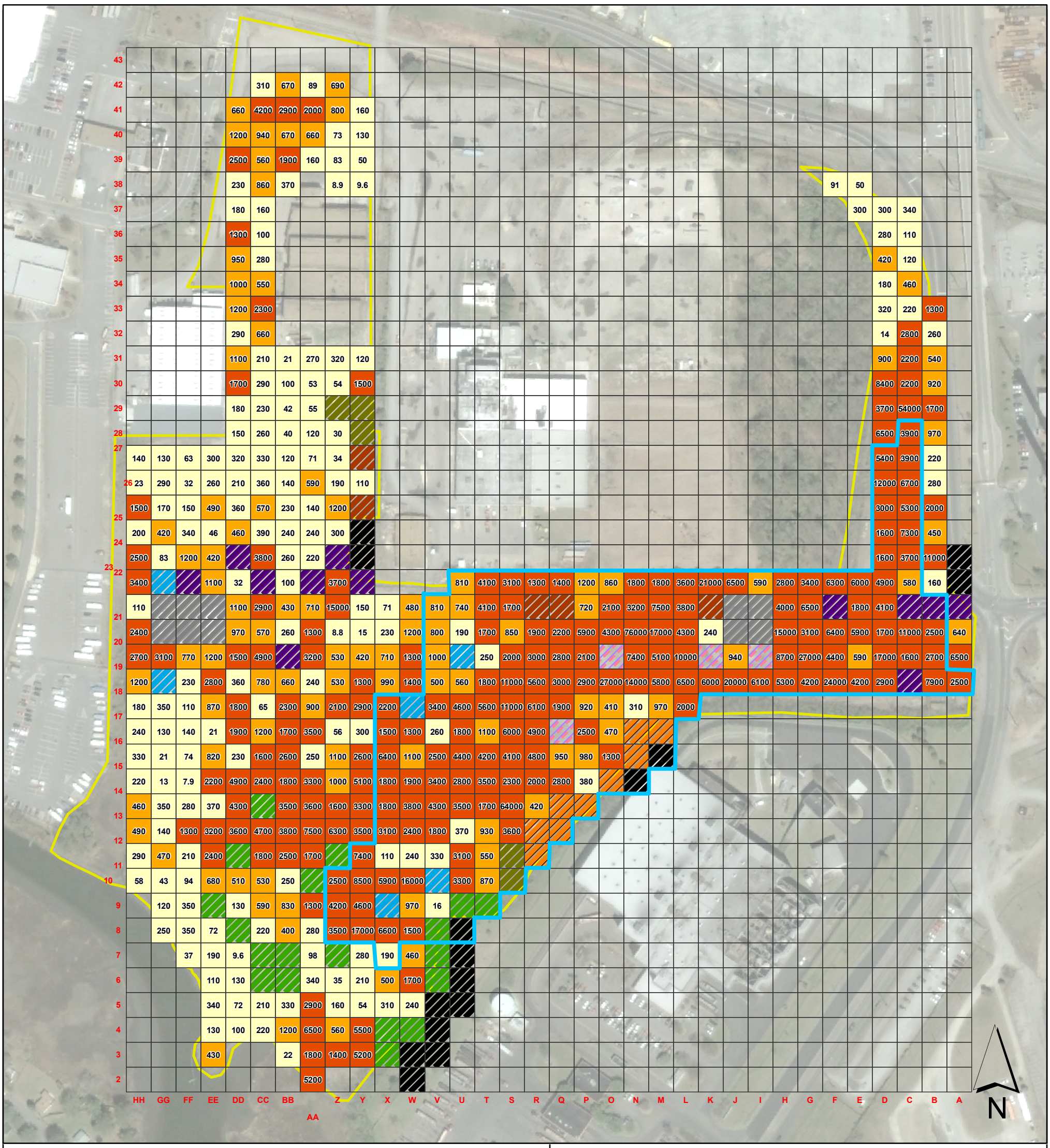
PCB Concentrations in Subsurface Soils (18" - Water Table)

The Peck Company
Portsmouth, Virginia

October 2008

Figure 4-2



Legend

- Approximate Site Boundary
- PCBs Hot Zone

Lead 0 - 18 inches

- 50' X 50' Sampling Cell
- Lead < 400 mg/Kg
- Lead 400 - 1200 mg/Kg
- Lead > 1,200 mg/Kg

- Dense Vegetation; Inaccesible
- Inaccessible
- Not Sampled between 0" to 18"
- Off-Property
- Refusal
- Concrete
- Too Steep
- Utility Lines
- Sampled; No Data

0 50 100 200 300 400
Feet

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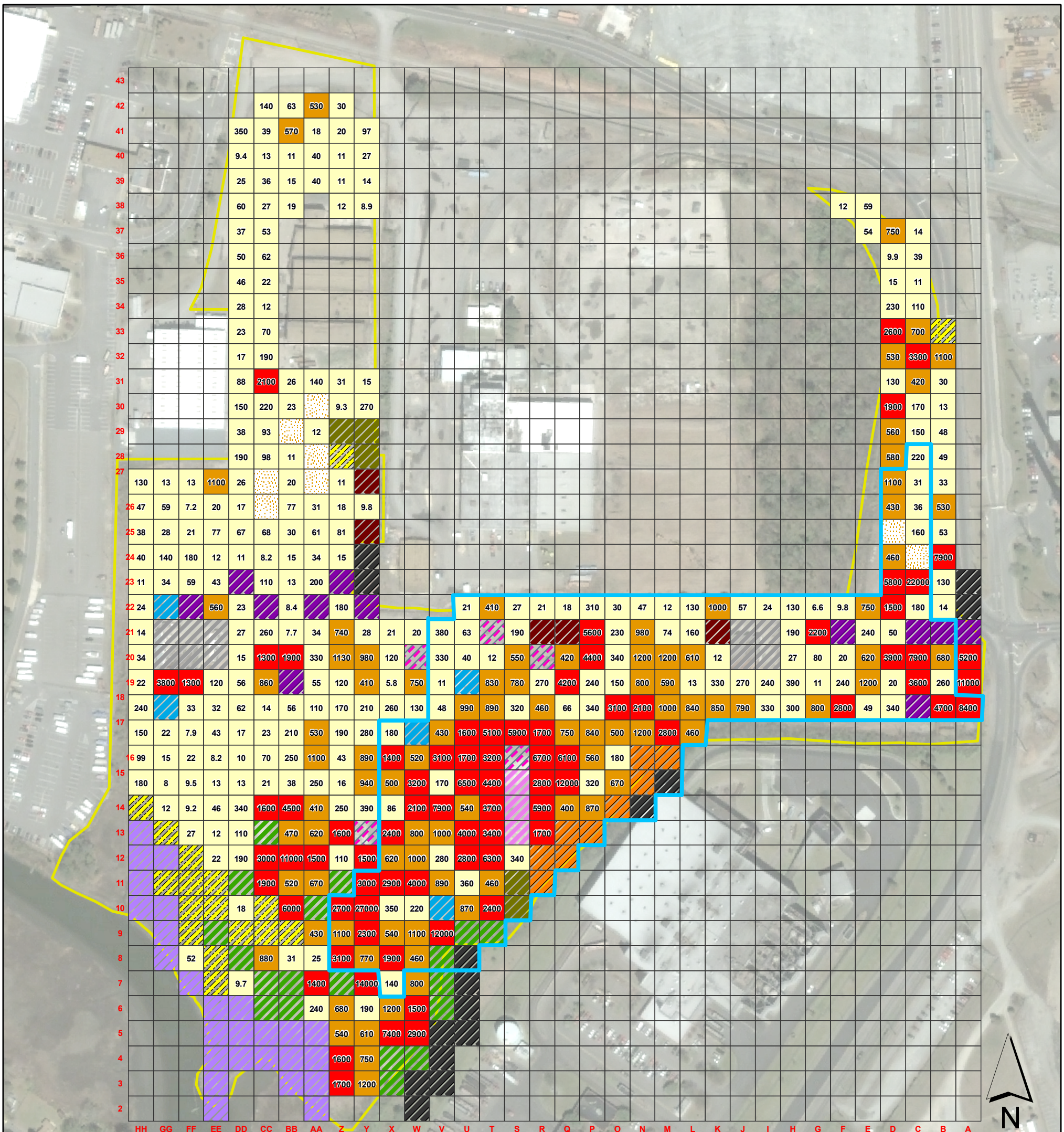
Newport News, VA 23606

Lead Concentrations in Surface Soils (0" - 18")

The Peck Company
Portsmouth, Virginia

October 2008

Figure 4-3



Legend

- Approximate Site Boundary
- PCBs Hot Zone

Lead 18" to Water Table

- 50' X 50' Sampling Cell
- Lead < 400 mg/Kg
- Lead 400 - 1,200 mg/Kg
- Lead > 1,200 mg/Kg

- Inaccessible
- Refusal
- Too Steep
- Utility Lines
- Not Sampled at 18" and Lower
- Refused; Subsurface Debris
- Water Table; Unable to Sample
- Off-Property
- Concrete
- Dense Vegetation; Inaccesible
- Refusal at 18 inches
- Marsh; Not Sampled at 18" and Lower
- Sampled; No Data

0 50 100 200 300 400
Feet

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Lead Concentrations in Subsurface Soils (18" - Water Table)

The Peck Company
Portsmouth, Virginia

October 2008

Figure 4-4

EXTENT OF CONTAMINATION STUDY

Peck Iron and Metal Site

Portsmouth Virginia

TABLE 2-1

Environmental Media Sampling Summary

Media	Sample Depth		Number of Samples[3]	COC	Analytical Method
Soil	0 - 18 " bgs		479	Metals and PCB Aroclors	6010/7471[1] (or equivalent EPA method)
	Natural material: 1) 18" bgs to top of saturated zone	Fill material: 1) 18" bgs to base of unsaturated zone 2) Top to base of fill within saturated zone	1) 426 2) 10		8082[1]
	1) Duplicate 2) Matrix spike/matrix spike duplicate		1) 62 2) 153		6010/7471 and 8082
Sediment	0 - 6" bgs		37	Metals and PCB Homologues	6010/7471[1] (or equivalent EPA method)
	6 - 18" bgs		37		680[2]
	1) Duplicate 2) Matrix spike/matrix spike duplicate		1) 4 2) 1		6010/7471 and 680
Groundwater	5 – 15' bgs[4]		8	Total and Dissolved Metals and PCB Homologues	6010/7470[1] (or equivalent EPA method)
	5 – 15' bgs[4]		8		680[2]
	Duplicate		1		6010/7470 and 680

NOTES: [1] - Referenced methods are EPA SW-846 Methods.
[2] - Referenced methods are EPA Methods.
[3] - Final number of samples does not include equipment rinsate and field blanks.
[4] - Average depth of screen interval.

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
A 18	18	20	20	18	180	85	2.5	1.1	160	890	4.3	1.7	2500	8400
A 19	30	31	38	28	230	100	2.5	2	170	190	2.7	1.6	6500	11000
A 20	16	45	5.7	32	46	85	0.86	2.3	81	100	0.9	1.3	640	5200
AA 11	14	215	7	8.04	140	98.7	2.4	0.277	100	108	1.5	5.64	1700	670
AA 12	20	16	39	19	430	84	3.5	2.2	810	240	37	8.3	7500	1500
AA 13	23	13	72	5.9	400	57	1.9	0.55	650	69	77	3.4	3600	620
AA 14	37	12	43	4.1	470	50	3.6	0.3	480	46	4.3	0.53	3300	410
AA 15	6.9	5.4	2.5	1.1	40	33	0.52	0.36	33	37	0.31	0.77	250	250
AA 16	A	206	8.1	14	380	6.6	1.8	0.089	210	64.2	7.6	5.23	3500	1100
AA 17	13	8.8	7.4	6	110	110	0.77	0.32	150	110	1.6	3.7	900	530
AA 18	6.1	6.7	7.8	5.6	49	26	1	0.49	63	31	0.6	0.36	240	110
AA 19	35	4.8	66	2.4	250	13	4.7	0.14	690	9.8	2.6	1	3200	55
AA 2	44	B	2.3	B	51	B	2	B	110	B	0.57	B	5200	B
AA 20	28	8.4	27	5.2	240	50	2.7	0.73	420	57	7.1	0.55	1300	330
AA 21	19	4.9	14	0.55	180	12	3.6	0.17	200	7.3	3.1	1.1	710	34
AA 23	12	5.8	3	1.8	34	26	0.86	0.93	66	30	1.4	0.3	220	200
AA 24	12	3.3	7.4	0.6	55	17	1	0.12	64	8.6	1.3	1.1	240	34
AA 25	31	18	1.8	0.94	22	25	0.28	0.096	26	13	0.1	1.1	140	61
AA 26	7.4	5.8	2.6	BDL	69	43	0.69	0.097	59	12	0.75	BDL	590	31
AA 27	4.8	C	7.8	C	150	C	0.22	C	69	C	1.1	C	71	C
AA 28	4.7	C	3.3	C	54	C	0.63	C	36	C	0.59	C	120	C
AA 29	4.2	3.3	0.85	BDL	65	28	0.45	0.014	39	7.3	0.96	BDL	55	12
AA 3	26	B	21	B	140	B	2	B	560	B	5.3	B	1800	B
AA 30	11	C	0.89	C	110	C	1.8	C	34	C	0.26	C	53	C
AA 31	9.8	3	5.1	BDL	34	9.7	0.36	0.11	81	6.7	1	BDL	270	140
AA 39	29	5	1.1	BDL	19	24	0.34	0.042	24	8.7	0.14	BDL	160	40
AA 4	42	B	50	B	930	B	9.2	B	860	B	6.6	B	6500	B
AA 40	6	3.8	1.1	BDL	69	38	1.5	0.14	280	9.3	0.13	BDL	660	40
AA 41	10	27	2.2	BDL	200	23	0.93	0.073	960	13	0.85	BDL	2000	18
AA 42	3.9	7.9	1	1.1	23	40	0.38	0.43	21	130	BDL	0.14	89	530
AA 5	12	B	32	B	430	B	3.9	B	390	B	13	B	2900	B
AA 6	16	8.2	2.4	2.4	1100	190	1.1	1.7	860	130	2	0.64	340	240
AA 7	5.4	17	0.98	7.4	180	200	0.24	3.1	200	150	1.1	2.4	98	1400
AA 8	15	7.5	3	BDL	45	17	0.49	0.011	33	7.3	0.32	BDL	280	25
AA 9	19	4.6	6.3	2	320	41	2	0.51	450	43	4.3	0.62	1300	430
B 18	42	28	47	51	1900	230	4.9	3.5	2000	440	7.6	3.6	7900	4700
B 19	28	2.7	25	2.5	150	21	2	0.084	160	8	1.6	BDL	2700	260
B 20	28	D	19	D	89	D	1.5	D	190	D	4.8	D	2500	680
B 22	1.9	8.4	0.85	0.11	15	39	0.19	0.018	23	11	0.3	1.2	160	14
B 23	35	1.4	19	1.5	54	8.1	1.3	0.033	690	200	3.4	BDL	11000	130
B 24	305	29	12.5	19	13000	200	1.5	4.5	5850	500	7.92	3.7	450	7900
B 25	22	1.7	47	0.97	92	43	1.6	0.03	85	14	1.3	BDL	2000	53
B 26	4.7	11	3.5	4.9	45	64	0.6	2	48	120	0.22	0.24	280	530
B 27	11	2.8	4.2	0.58	250	46	0.32	0.1	180	25	6	BDL	220	33
B 28	140	11	25	0.59	160	45	0.87	0.42	200	18	0.98	BDL	970	49
B 29	27	15	10	BDL	100	45	3.2	0.43	170	16	0.95	BDL	1700	48
B 30	12	2.2	11	BDL	96	24	2.8	0.016	150	9	1.6	BDL	920	13

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
B 31	31	4.8	7	BDL	360	32	2.1	0.02	1200	13	0.64	BDL	540	30
B 32	211	31	80.4	21	260	250	0.62	1.5	3070	1100	6.41	0.91	260	1100
B 33	20	E	22	E	110	E	2	E	380	E	3.1	E	1300	E
BB 10	6.4	95	3.3	120	87	410	0.84	2.1	58	860	10	46	250	6000
BB 11	15	25	8.6	1.7	910	61	2.8	4.2	1800	83	6	0.68	2500	520
BB 12	29	23	51	49	410	350	4.1	8.9	730	1500	23	180	3800	11000
BB 13	31	19	95	3.5	350	35	4.9	0.31	920	49	51	1.3	3500	470
BB 14	21	61	22	19	170	580	1.2	1.9	270	500	7.3	4.2	1800	4500
BB 15	77	26	4.5	0.64	150	48	1.6	0.56	280	200	3.3	1.1	2600	38
BB 16	13	11	11	0.36	160	30	2.6	0.26	96	36	1.5	0.14	1700	250
BB 17	52	7.7	11	0.84	240	43	2.8	0.45	400	46	13	0.96	2300	210
BB 18	12	9.1	15	0.65	89	28	0.82	0.21	200	9.7	0.9	1.1	660	56
BB 20	16	39	3.3	9.3	43	360	0.48	9.6	52	490	0.46	5.4	260	1900
BB 21	18	5.8	11	0.53	57	16	1.3	0.0043	180	18	1.1	1.1	430	7.7
BB 22	5.4	6.8	1.6	0.075	14	21	0.66	0.011	20	40	1	1	100	8.4
BB 23	18	4.3	3.4	0.56	33	14	0.71	0.057	43	6.4	1.1	1.1	260	13
BB 24	15	4.3	2.8	0.6	35	13	0.41	0.075	43	4.7	0.23	1.2	240	15
BB 25	27	5.2	3.3	0.092	31	12	0.62	0.067	48	6.2	0.22	1.1	230	30
BB 26	8.2	4.1	1.7	1	27	23	0.49	0.11	35	14	0.4	BDL	140	77
BB 27	3.7	4.7	0.52	BDL	23	31	0.49	0.02	14	8.4	BDL	BDL	120	20
BB 28	2.2	1.5	0.85	BDL	42	16	0.21	0.01	19	4.5	0.2	BDL	40	11
BB 29	3.9	C	0.87	C	29	C	9.1	C	18	C	0.24	C	42	C
BB 3	4.9	B	0.39	B	6.3	B	0.082	B	16	B	0.13	B	22	B
BB 30	9.9	8.2	2	0.41	91	29	6.9	0.63	65	8.1	0.44	BDL	100	23
BB 31	1.3	1.4	BDL	BDL	8.3	9.6	0.06	0.059	2.9	2.9	BDL	BDL	21	26
BB 38	63	7.4	3.8	0.45	450	42	1.2	0.12	520	16	0.69	BDL	370	19
BB 39	6.2	2.9	1.7	BDL	150	36	1.6	0.1	760	8.2	0.6	BDL	1900	15
BB 4	19	B	10	B	100	B	4.7	B	170	B	4.5	B	1200	B
BB 40	9.1	2.6	1.1	BDL	63	28	0.41	0.018	230	6	0.26	BDL	670	11
BB 41	10	3.2	BDL	0.64	240	47	1.33	0.22	1200	170	1.4	1.2	2900	570
BB 42	7.4	7.7	2	0.7	75	71	0.45	0.084	96	24	1.1	0.21	670	63
BB 5	7.7	B	4.3	B	55	B	0.94	B	70	B	2.1	B	330	B
BB 8	14	17	7.7	BDL	40	29	0.36	0.024	40	8.3	1.2	BDL	400	31
BB 9	7.9	E	3.7	E	69	E	1.4	E	80	E	0.97	E	830	E
C 19	17	32	19	50	140	200	6.2	5	150	280	3.9	2	1600	3600
C 20	32	28	49	39	290	170	5.8	3.1	450	140	6.4	2.1	11000	7900
C 22	8.4	7.1	5.7	0.89	94	42	1.1	0.61	95	18	1.1	1.1	580	180
C 23	11	25	21	38	280	160	5	3.5	620	310	4.3	2.4	3700	22000
C 24	44	C	53	C	980	C	7.9	C	750	C	2.8	C	7300	C
C 25	32	199	330	5.69	280	47.9	24	0.206	350	59.9	28	5.18	5300	160
C 26	34	3	63	0.62	330	26	7.3	0.14	400	9	7.2	BDL	6700	36
C 27	39	5.2	83	0.73	510	53	7.7	0.71	330	16	5.6	BDL	3900	31
C 28	43	120	62	2.7	700	110	17	1.7	490	66	2.7	0.24	3900	220
C 29	290	6.1	29	0.64	310	9	4.5	BDL	230	6.8	3.7	BDL	54000	150
C 30	34	10	59	0.61	430	33	2.2	3.8	440	40	1.8	BDL	2200	170
C 31	23	14	33	11	1500	96	4.7	2.3	1300	200	4.5	0.25	2200	420
C 32	14	46	18	64	180	450	2.3	7.7	350	750	3.4	8.9	2800	3300

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
C 33	195	15	16.9	30	148	52	0.32	1.9	128	36	5.25	0.44	220	700
C 34	22	6.8	1.7	0.34	20	8.1	0.54	0.056	59	5.8	0.68	BDL	460	110
C 35	4.3	2.1	0.63	BDL	17	31	0.41	0.027	9.1	11	BDL	BDL	120	11
C 36	6.6	5.7	0.29	BDL	15	37	0.25	0.17	7.8	17	BDL	BDL	110	39
C 37	5.6	206	0.68	5.21	18	62.3	0.22	0.102	14	67.5	0.18	4.98	340	14
CC 10	13	E	5	E	210	E	0.8	E	150	E	6.9	E	530	E
CC 11	16	30	20	27	230	270	4.5	2.7	300	380	6.8	9.5	1800	1900
CC 12	32	31	91	15	1200	290	3.9	7.5	1200	400	17	4.1	4700	3000
CC 14	30	19	9	6.8	230	110	1.2	2.4	210	110	2.6	1.4	2400	1600
CC 15	31	6.3	24	0.55	170	25	2.4	0.11	150	7.1	3.2	1.1	1600	21
CC 16	59	6.2	5.5	0.58	120	27	2.2	0.081	95	33	2.3	1.2	1200	70
CC 17	9.6	9.4	2.3	0.12	79	55	0.21	0.012	57	32	0.14	1	65	23
CC 18	45	4.1	6	0.57	53	21	0.46	0.035	70	5.4	0.48	1.1	780	14
CC 19	22	23	27	24	120	100	2.3	1.6	180	150	7.3	6.4	4900	860
CC 20	10	19	18	30	92	170	1.5	1.8	130	240	2.4	3.1	570	1300
CC 21	11	12	17	8.2	110	53	1.7	0.35	130	50	9.4	0.43	2900	260
CC 23	31	9.4	47	0.88	220	29	1.1	0.055	430	18	15	0.6	3800	110
CC 24	8.5	4.4	5.5	BDL	260	21	F	0.049	130	29	1.6	BDL	390	8.2
CC 25	35	7.8	6.5	0.28	1100	42	1.1	0.071	300	15	0.68	0.046	570	68
CC 26	17	C	8.9	C	110	C	1.5	C	130	C	0.81	C	360	C
CC 27	20	C	2.2	C	56	C	2.7	C	40	C	0.48	C	330	C
CC 28	13	26	2.8	0.59	78	37	0.66	1.1	72	140	0.44	BDL	260	98
CC 29	12	232	3.3	6.37	120	82.5	0.63	0.96	73	81.8	1.7	5.65	230	93
CC 30	11	52	4.3	1	74	21	0.82	0.25	59	19	0.67	BDL	290	220
CC 31	18	12	3	BDL	140	19	2.6	0.021	78	24	1.4	0.17	210	2100
CC 32	52	62	4.4	0.65	93	21	1.2	4.5	280	42	0.69	0.26	660	190
CC 33	219	4.9	8.35	BDL	223	23	1.5	0.093	836	24	6.04	BDL	2300	70
CC 34	6.4	4.6	3.5	BDL	55	24	0.768	0.02	190	6.7	0.37	BDL	550	12
CC 35	15	7.2	1.3	BDL	17	25	0.66	0.038	41	7	0.21	BDL	280	22
CC 36	29	23	5.6	BDL	2300	32	0.33	0.15	1400	20	3.8	BDL	100	62
CC 37	4.5	4.1	0.89	0.24	55	25	0.3	0.063	75	67	0.18	BDL	160	53
CC 38	184	6	6.18	0.24	106	33	0.54	0.016	401	10	5.18	BDL	860	27
CC 39	60	3.2	3.9	BDL	81	9.9	0.72	0.014	160	3	0.46	BDL	560	36
CC 4	12	B	1.2	B	74	B	0.097	B	38	B	0.44	B	220	B
CC 40	5.5	4.1	3.3	BDL	120	35	1.3	0.016	380	6.6	0.42	BDL	940	13
CC 41	5	3.6	3	BDL	160	34	0.84	BDL	890	13	2	BDL	4200	39
CC 42	4.5	4.1	3.4	1.9	54	28	0.5	0.18	89	73	1.4	0.25	310	140
CC 5	7.4	B	2.4	B	33	B	0.44	B	95	B	1.1	B	210	B
CC 8	8.6	13	3.4	5	54	85	1.8	1.9	51	200	0.68	2	220	880
CC 9	17	E	11	E	97	E	1	E	170	E	3.8	E	590	E
D 18	33	8.1	31	14	170	39	3.2	0.41	340	25	4.1	0.41	2900	340
D 19	46	5.1	54	BDL	170	64	1.6	0.038	830	14	14	BDL	17000	20
D 20	19	22	16	46	110	210	2.8	13	170	400	4.1	2.5	1700	3900
D 21	21	8.2	28	0.3	210	21	8.2	0.16	330	10	5.2	1.2	4100	50
D 22	11	9.1	17	7.2	100	50	0.92	0.59	140	46	6.7	1.8	4900	1500
D 23	12	55	17	100	93	200	2.1	3.2	110	670	3.7	6.1	1600	5800
D 24	12	6.8	28	1.6	76	13	2.3	0.26	110	15	3.2	0.13	1600	460

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
D 25	25	C	42	C	110	C	3.8	C	150	C	2.4	C	3000	C
D 26	120	11	120	4.6	480	36	9.5	0.7	450	25	9.1	0.2	12000	430
D 27	55	35	100	52	450	69	6.5	4.1	680	120	6.9	1	5400	1100
D 28	58	14	100	13	340	48	9.2	2	330	43	6.5	0.64	6500	580
D 29	238	35	34.4	2.7	230	61	3.1	8.2	180	26	6.2	0.14	3700	560
D 30	18	20	26	25	150	130	5.6	4.2	260	190	3.7	2.8	8400	1900
D 31	11	15	11	1.7	67	33	0.97	4.5	130	28	6.1	0.25	900	130
D 32	1.4	11	BDL	8.4	9.1	150	0.02	9.3	6.1	160	BDL	1.2	14	530
D 33	2.9	23	4.8	48	53	120	0.27	2.4	76	330	1.1	12	320	2600
D 34	2.9	8.9	2.6	3.5	40	35	0.27	1.4	66	48	0.35	0.18	180	230
D 35	37	7.1	9.1	0.29	40	42	1	0.028	77	17	0.58	BDL	420	15
D 36	13	1.8	3	BDL	47	21	0.67	0.016	130	9.1	0.34	BDL	280	9.9
D 37	6.6	16	2.8	3.7	32	170	0.12	1.6	76	65	0.62	1.2	300	750
DD 10	26	6.5	6.9	BDL	96	34	0.81	0.031	120	8.4	1.7	BDL	510	18
DD 12	22	12	34	1.2	410	34	1.7	0.21	1300	61	5.1	0.21	3600	190
DD 13	13	10	12	BDL	280	45	3	0.14	1800	50	3.5	BDL	4300	110
DD 14	11	6.3	19	4.4	160	58	2.6	0.66	210	49	3.7	0.82	4900	340
DD 15	9.8	4.9	4.7	0.51	530	22	0.83	0.068	870	8.1	1.1	1	230	13
DD 16	39	3.8	9.3	1.1	360	92	9.6	0.42	490	120	5.4	0.51	1900	10
DD 17	26	5.8	8.5	0.54	370	32	6	0.059	310	9.7	4.5	1.1	1800	17
DD 18	5.7	6.7	0.64	0.16	42	28	0.23	0.15	51	17	0.44	0.099	360	62
DD 19	19	4.4	15	0.53	300	30	2.3	0.15	290	13	4	0.2	1500	56
DD 20	15	3.1	6.6	0.53	140	19	0.61	0.019	290	7.5	1.9	1.1	970	15
DD 21	24	3.8	18	0.17	620	54	3.4	0.21	390	16	2.3	0.06	1100	27
DD 22	2.2	5.1	0.54	0.54	17	32	0.03	0.017	7.7	15	1.1	1.1	32	23
DD 24	11	3.7	9.3	0.53	540	18	0.36	0.035	300	9.7	0.98	1.1	460	11
DD 25	14	21	5.2	0.57	120	27	0.54	0.34	160	55	0.34	1.1	360	67
DD 26	222	5.9	6.16	BDL	55.6	21	0.363	0.028	134	7.4	5.43	BDL	210	17
DD 27	17	4.8	5	0.049	36	17	0.44	0.038	71	6.5	0.54	1.1	320	26
DD 28	7.1	4.7	1.3	0.23	20	21	0.27	0.23	32	43	0.21	BDL	150	190
DD 29	13	1.9	0.77	BDL	22	12	0.24	0.069	32	12	BDL	BDL	180	38
DD 30	14	2.2	1.7	BDL	110	12	0.39	0.043	700	4.3	2.5	BDL	1700	150
DD 31	5.3	3.7	1.4	BDL	83	14	0.3	0.25	390	17	0.53	BDL	1100	88
DD 32	3.8	1.8	1.9	BDL	28	13	0.4	0.018	110	6	0.13	BDL	290	17
DD 33	5.9	3.4	2.5	BDL	120	20	1.9	0.023	440	12	0.47	BDL	1200	23
DD 34	6.4	4.1	1.9	BDL	83	24	0.42	0.02	190	5.9	0.38	BDL	1000	28
DD 35	4.9	2.9	1	BDL	160	18	6.9	0.03	290	15	0.31	BDL	950	46
DD 36	19	207	4.2	5.38	130	46.3	1.4	0.068	1500	60.8	1.7	5.28	1300	50
DD 37	11	9.8	4.1	BDL	36	23	0.3	0.042	68	9	0.47	BDL	180	37
DD 38	5.1	9.5	8.1	BDL	43	23	0.608	0.18	45	9.9	1.2	BDL	230	60
DD 39	13	2.1	5.7	BDL	230	17	1.8	0.027	690	9.4	2.8	BDL	2500	25
DD 4	6.8	B	0.37	B	21	B	0.33	B	23	B	1.2	B	100	B
DD 40	13	G	2.7	BDL	150	14	1.4	0.0085	250	3.9	1.9	BDL	1200	9.4
DD 41	5.7	4.3	5.2	1.3	44	50	0.62	0.35	66	76	1.1	0.28	660	350
DD 5	7.3	B	0.53	B	12	B	0.13	B	17	B	0.1	B	72	B
DD 6	15	B	2.7	B	41	B	0.22	B	35	B	0.18	B	130	B
DD 7	4	7.8	BDL	BDL	24	34	0.086	0.03	7	7.9	BDL	BDL	9.6	9.7

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
DD 9	8.4	E	1.8	E	60	E	0.44	E	52	E	0.3	E	130	E
E 18	42	3.8	77	0.22	270	24	4.8	0.088	350	12	5	1.2	4200	49
E 19	6.9	17	6.6	14	46	100	0.92	1.2	65	230	1.2	0.67	590	1200
E 20	34	206	41	10.2	300	80.1	4.4	1.11	360	84.4	6.7	5.19	5900	620
E 21	13	9.2	110	5.5	190	48	25	2.4	130	120	1.6	0.26	1800	240
E 22	27	8.9	26	3.7	170	55	11	4.1	210	27	9.9	0.3	6000	750
E 37	24	3.7	26	170	3100	110	0.24	0.2	2800	310	1.2	BDL	300	54
E 38	3.1	3.7	0.28	0.35	14	13	0.2	0.16	8.1	7.8	BDL	BDL	50	59
EE 10	274	E	8.6	E	140	E	0.486	E	146	E	7.54	E	680	E
EE 11	22	E	51	E	630	E	5	E	500	E	5.2	E	2400	E
EE 12	38	6.6	23	BDL	350	33	3	0.034	320	8.8	17	BDL	3200	22
EE 13	13	208	3.8	5.13	56	59	0.49	0.0663	62	62.7	1	5.18	370	12
EE 14	47	2.9	6.8	0.46	260	24	0.11	0.6	300	27	7.8	BDL	2200	46
EE 15	22	4.6	15	BDL	400	23	1.9	0.072	590	7.2	2.6	BDL	820	13
EE 16	1.5	5.4	0.52	1.6	9.2	140	0.049	0.033	29	110	1	1.1	21	8.2
EE 17	18	5.3	10	0.25	670	95	2.7	0.15	570	89	1.6	1.1	870	43
EE 18	43	5.2	15	0.53	530	160	1.3	0.028	690	16	7.6	0.17	2800	32
EE 19	26	16	8.1	0.38	2700	570	0.91	0.24	550	77	3.6	0.18	1200	120
EE 22	13	15	10	2.2	200	77	1.8	1	310	62	3.5	2	1100	560
EE 23	7.8	9.8	5.4	0.21	130	88	0.69	0.099	210	76	2.5	0.12	420	43
EE 24	2.7	3.7	0.16	0.52	22	24	0.084	0.041	16	7.8	0.13	1	46	12
EE 25	15	7.7	7.2	0.59	200	120	1	2.2	320	540	1.7	1	490	77
EE 26	10	3.8	3.4	BDL	52	22	0.73	0.049	260	87	2.3	BDL	260	20
EE 27	8.5	19	3.4	5.4	16	87	0.42	2.3	18	140	0.29	0.25	300	1100
EE 3	12	B	0.29	B	26	B	0.21	B	22	B	1.5	B	430	B
EE 4	10	B	0.31	B	20	B	0.29	B	17	B	1.3	B	130	B
EE 5	19	B	1.2	B	47	B	0.32	B	55	B	0.19	B	340	B
EE 6	11	B	0.35	B	13	B	0.23	B	18	B	0.11	B	110	B
EE 7	14	E	2.9	E	47	E	0.32	E	46	E	0.67	E	190	E
EE 8	2.4	E	1.5	E	20	E	1.6	E	14	E	0.37	E	72	E
F 18	47	11	99	9.9	400	54	6.7	2.3	360	54	8.7	1.3	24000	2800
F 19	30	7.5	60	3.7	310	49	11	0.64	460	41	20	0.23	4400	240
F 20	54	18	170	0.49	1100	35	13	0.046	550	11	11	0.12	6400	20
F 22	23	4.3	33	BDL	420	29	3.5	0.0092	570	8.1	53	BDL	6300	9.8
F 38	7.8	4	1.2	BDL	370	44	0.92	0.025	790	37	0.19	BDL	91	12
FF 10	4.4	E	1	E	28	E	0.49	E	19	E	0.23	E	94	E
FF 11	27	E	5.4	E	35	E	1.8	E	49	E	0.38	E	210	E
FF 12	25	E	32	E	230	E	0.027	E	420	E	4.5	E	1300	E
FF 13	12	3.8	1	0.23	620	39	0.76	0.2	1400	77	0.54	BDL	280	27
FF 14	1.6	215	0.28	5.25	18	58	0.029	0.0757	9.9	79	BDL	5.28	7.9	9.2
FF 15	12	6.6	2.5	BDL	330	34	1.2	0.1	390	21	0.32	BDL	74	9.5
FF 16	7.6	5.3	2.8	0.28	200	33	0.66	0.026	180	29	1.9	0.77	140	22
FF 17	4.2	7.1	1.6	0.52	140	25	7.1	0.033	120	110	0.72	1	110	7.9
FF 18	12	5.3	2.8	0.51	410	65	1.7	0.034	270	38	0.87	0.082	230	33
FF 19	13	10	5.8	6.2	1200	630	0.76	0.76	590	290	1.8	2.1	770	1300
FF 23	14	4.7	5.6	0.11	240	31	3.4	0.12	230	14	3	0.17	1200	59
FF 24	51	4.6	11	0.85	120	27	3	0.14	40	250	14	0.12	340	180

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
FF 25	9.3	7.4	1.2	0.53	53	34	0.29	0.043	320	20	0.9	1.1	150	21
FF 26	4.8	203	0.91	4.95	29	38.6	0.43	0.055	150	200	0.3	5.24	32	7.2
FF 27	3.5	201	4.4	5.18	12	39.9	0.13	0.0658	8.1	56.2	BDL	5.14	63	13
FF 7	98	B	0.35	B	25	B	0.38	B	33	B	1.5	B	37	B
FF 8	7.1	5.6	4.3	0.36	37	39	0.43	0.17	43	23	1.1	BDL	350	52
FF 9	229	E	8.84	E	64	E	0.473	E	98.2	E	6.45	E	350	E
G 18	87	4.9	76	1.4	380	30	15.5	0.1	410	18	8.7	0.4	4200	800
G 19	33	2.2	160	BDL	600	26	5.1	0.022	530	10	29	BDL	27000	11
G 20	27	1.3	60	0.34	480	30	13	2	550	16	7.8	0.12	3100	80
G 21	24	17	190	40	550	81	11	10	1400	100	79	3.8	6500	2200
G 22	9.8	3.1	15	BDL	68	15	1.5	0.027	95	5.9	2.7	BDL	3400	6.6
GG 10	24	B	1.1	B	19	B	0.57	B	37	B	1.9	B	43	B
GG 11	18	E	5.8	E	68	E	1.9	E	91	E	1.2	E	470	E
GG 12	12	B	1.5	B	6200	B	0.69	B	1800	B	0.51	B	140	B
GG 13	6.4	E	1.6	E	170	E	0.48	E	190	E	0.19	E	350	E
GG 14	210	5.8	7.03	BDL	69.1	38	0.102	0.013	89.3	30	5.43	BDL	13	12
GG 15	3.1	12	0.38	BDL	100	31	0.031	0.0054	87	21	BDL	BDL	21	8
GG 16	BDL	3.6	2.8	BDL	7700	44	0.3	0.029	3400	37	0.98	BDL	130	15
GG 17	10	4.6	9.1	0.32	2400	39	2.2	0.078	2700	36	5.5	BDL	350	22
GG 19	15	34	13	58	940	5000	1.3	3.8	1000	2900	9.5	12	3100	3800
GG 23	16	1.1	1.8	BDL	48	8.7	H	0.044	H	7.6	0.51	BDL	83	34
GG 24	8.1	3.4	4.7	1.8	140	36	0.74	0.28	410	98	6.4	2.5	420	140
GG 25	6.6	5.6	1.3	0.57	28	20	0.41	0.024	190	310	0.48	1.1	170	28
GG 26	6.9	4.9	3	BDL	40	24	0.24	0.036	240	380	1.1	BDL	290	59
GG 27	8.3	3.9	2.3	0.22	27	11	0.36	0.027	66	15	0.3	BDL	130	13
GG 8	21	B	1.4	B	270	B	0.23	B	120	B	0.54	B	250	B
GG 9	17	B	0.65	B	55	B	0.42	B	44	B	0.16	B	120	B
H 18	32	3.3	68	1.8	320	58	6.2	1.4	650	39	72	0.32	5300	300
H 19	33	5.1	86	3.6	700	59	11	2.7	600	160	21	0.89	8700	390
H 20	43	1.8	82	0.68	650	19	4.6	0.048	810	9.8	150	0.12	15000	27
H 21	34	5.8	95	1.6	340	19	25	0.39	460	14	16	0.05	4000	190
H 22	13	2.3	24	0.9	200	16	4.1	0.09	390	10	11	1.4	2800	130
HH 10	6.4	B	0.19	B	24	B	0.38	B	46	B	0.13	B	58	B
HH 11	21	B	3.1	B	4000	B	0.66	B	2100	B	1.1	B	290	B
HH 12	38	B	6.5	B	20000	B	1.1	B	7000	B	2.4	B	490	B
HH 13	33	B	2.3	B	8100	B	1.2	B	7400	B	0.41	B	460	B
HH 14	15	E	2.9	E	280	E	1.4	E	310	E	0.84	E	220	E
HH 15	14	8.3	0.69	1.1	9700	1400	3.4	1.2	6700	3000	0.56	0.32	330	180
HH 16	BDL	5.5	7.1	1.3	19000	210	1.4	0.092	17000	290	5	BDL	240	99
HH 17	BDL	BDL	3.6	BDL	4800	21000	0.28	0.25	28000	17000	3.3	0.92	180	150
HH 18	20	9	16	0.59	8400	950	2.7	0.19	7400	2100	3.2	0.093	1200	240
HH 19	255	6.4	32	0.4	2500	72	14.2	0.23	2700	64	11.7	1	2700	22
HH 20	34	5	48	0.54	22000	320	3.5	0.14	9300	160	5.5	0.052	2400	34
HH 21	3.4	2.2	2.3	0.16	240	47	0.42	0.072	390	38	0.91	1	110	14
HH 22	41	12	58	0.53	2700	68	4.5	0.28	5100	110	66	1.1	3400	24
HH 23	18	7.6	28	0.82	830	20	1.8	0.013	2400	130	5.9	1	2500	11
HH 24	4.2	6	0.86	0.044	33	26	0.37	0.059	37	19	0.49	0.22	200	40

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
HH 25	14	I	I	I	I	I	I	0.232	I	I	4.2	I	1500	38
HH 26	188	5.7	4.8	0.34	33.1	13	0.0887	0.064	57.4	9.4	4.8	BDL	23	47
HH 27	194	4.1	6.35	3.7	41.1	24	0.17	0.23	80.1	29	5.07	BDL	140	130
I 18	27	6.3	370	5.9	430	52	9.6	2	470	54	12	0.35	6100	330
I 19	J	5.6	J	1.9	J	40	J	2.2	J	26	J	0.12	J	240
I 22	205	11	5.57	0.38	43	39	0.224	0.071	60.8	14	5.34	BDL	590	24
J 18	23	223	68	58	170	144	11	7.76	170	215	11	8.45	20000	790
J 19	5	3.2	4.2	2	98	53	7.2	2.6	120	24	0.6	0.19	940	270
J 22	22	10	22	0.21	210	36	4.7	0.12	270	11	11	1.1	6500	57
K 18	42	7.6	70	2.9	500	70	37	2.1	660	41	14	0.49	6000	850
K 19	J	4.1	J	2	J	66	J	2.9	J	35	J	0.74	J	330
K 20	3	8.8	0.8	BDL	12	30	0.13	0.022	15	8.3	0.19	BDL	240	12
K 22	19	7.7	71	34	310	85	7	2.3	630	160	40	6.8	21000	1000
L 17	23	6.1	36	6.5	260	110	5.1	12	470	420	20	3.2	2000	460
L 18	23	4.7	38	6.1	290	49	6.8	0.48	1400	150	32	1.8	6500	840
L 19	28	3.9	81	BDL	380	16	16	0.028	460	7.1	19	BDL	10000	13
L 20	32	5.1	61	6.3	330	46	6.9	3.3	830	56	15	2.6	4300	610
L 21	21	4.5	43	3.3	340	26	5.8	0.15	410	22	29	0.69	3800	160
L 22	19	2.2	49	1	280	12	38	0.13	450	7.9	16	0.31	3600	130
M 17	34	25	16	55	230	350	2.3	4.6	400	690	19	21	970	2800
M 18	30	7.9	43	9	390	120	4.8	6.8	720	210	6.8	1.1	5800	1000
M 19	51	4	130	2.5	140	110	6.5	13	510	83	6.5	0.7	5100	590
M 20	37	12	68	21	940	130	8.7	9.8	890	170	16	2.3	17000	1200
M 21	19	2.6	180	0.43	420	17	2.3	0.098	1500	8.2	270	0.069	7500	74
M 22	16	9.9	70	0.25	150	29	3.8	0.03	300	8.1	9.7	0.054	1800	12
N 17	16	21	2.5	160	42	110	0.92	2.3	43	150	0.5	6.7	310	1200
N 18	20	7.6	48	4.6	140	43	16	1.3	240	51	9.2	0.46	14000	2100
N 19	34	4.2	190	4.7	350	48	17	1.6	510	55	28	0.61	7400	800
N 20	30	7.8	130	13	340	74	6.2	1.2	330	77	23	4.7	76000	1200
N 21	110	7.4	22	1.7	400	29	4.2	0.52	400	24	12	0.42	3200	980
N 22	5.2	2.9	5.9	0.41	130	16	1.6	0.11	74	8.3	0.71	0.99	1800	47
O 15	31	6	14	4.8	96	29	2.4	1.2	180	60	6.8	1.2	1300	670
O 16	12	6.4	8.2	2.4	77	35	3.7	0.6	120	37	6.7	0.96	470	180
O 17	7.8	8	3.5	3.1	30	46	1.1	1.1	23	54	0.89	1.3	410	500
O 18	23	13	33	13	350	110	18	5.6	330	110	7.1	3.4	27000	3100
O 19	J	4.7	J	4	J	30	J	0.26	J	19	J	0.48	J	150
O 20	15	5.7	70	1.9	180	34	4.4	0.18	220	25	21	0.44	4300	340
O 21	10	5.5	10	1.6	160	31	1.8	0.97	170	29	4.6	0.36	2100	230
O 22	13	1.8	31	0.32	190	11	1.6	0.053	750	4.1	3.9	1.2	860	30
P 14	14	13	4.7	7.1	60	66	0.81	1.4	67	120	1.6	1.2	380	870
P 15	14	7.6	53	2.3	110	30	1	0.86	150	48	11	0.36	980	320
P 16	20	17	29	6.7	320	48	2.4	1.1	360	170	15	0.77	2500	560
P 17	26	14	8.3	4.1	110	75	1.5	2.5	100	130	1.3	0.9	920	840
P 18	19	8.1	51	2.9	1100	35	9.6	0.47	870	25	8.3	1.2	2900	340
P 19	18	4	30	0.81	350	27	4.8	1.7	200	17	2.3	0.15	2100	240
P 20	13	15	19	59	230	300	2.7	6	250	170	3.7	2.7	5900	4400
P 21	6.1	24	8.9	17	360	110	1.9	1	210	89	1.8	4.4	720	5600

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
P 22	15	5.8	13	3.7	80	57	1.7	0.24	290	28	1.5	0.46	1200	310
Q 14	39	11	40	0.36	560	34	2.6	0.6	840	75	3.2	0.15	2800	400
Q 15	11	26	13	33	120	280	0.2	1.2	100	2300	0.97	3.6	950	12000
Q 16	J	323	J	57	J	1000	J	3.99	J	630	J	10.1	J	6100
Q 17	22	16	18	12	120	130	2.7	3.5	170	150	2.3	1.6	1900	750
Q 18	22	4.4	65	0.71	2300	34	9.4	1.1	970	14	8.1	0.17	3000	66
Q 19	19	42	47	43	3700	31000	8.4	3	2000	12000	20	7.8	2800	4200
Q 20	20	10	33	4.3	600	330	4.6	0.36	500	110	6.3	0.78	2200	420
Q 22	16	2.5	22	0.56	380	12	2.4	0.046	260	3.7	4.7	1.1	1400	18
R 13	9.3	238	2.1	33.1	30	242	0.79	3	41	374	0.51	11.8	420	1700
R 14	22	35	33	47	120	140	0.94	0.32	440	530	1.9	2.6	2000	5900
R 15	45	32	57	37	820	290	3.7	2.7	840	810	5.8	2.2	4800	2800
R 16	52	41	52	100	640	640	5.8	3.2	560	550	3.4	8.3	4900	6700
R 17	23	18	73	12	520	210	32	4.6	710	110	9.9	1.9	6100	1700
R 18	18	16	66	22	1100	440	29	0.54	810	190	15	1.3	5600	460
R 19	22	9	59	1.1	920	60	6.1	0.76	550	34	4.1	0.18	3000	270
R 20	16	K	90	K	790	K	6.8	K	640	K	5.1	K	1900	K
R 22	20	2.4	42	0.65	250	12	5.5	0.017	240	13	27	1.3	1300	21
S 12	67	5.8	39	0.83	220	84	3.1	0.51	310	62	9.2	0.34	3600	340
S 13	380	L	18	L	160	L	1.3	L	190	L	5.6	L	64000	L
S 14	23	L	39	L	120	L	0.62	L	270	L	1.3	L	2300	L
S 15	27	L	69	L	270	L	4.3	L	1200	L	4.4	L	4100	L
S 16	37	K	72	K	660	K	7.8	K	690	K	6.1	K	6000	K
S 17	27	26	85	100	930	1400	14	13	610	870	5.2	12	11000	5900
S 18	25	15	180	1.3	9000	85	13	0.26	2900	48	43	0.13	11000	320
S 19	33	16	33	2.9	610	170	4.3	0.75	430	160	7.8	0.78	2000	780
S 20	18	7.3	13	2.2	160	95	1.2	0.14	220	140	6	1.9	850	550
S 21	17	5.6	35	2.6	300	110	1.9	2.6	370	86	28	6.8	1700	190
S 22	47	1.9	9.2	0.058	580	22	8.1	0.14	660	7.9	6.1	1.1	3100	27
T 10	25	255	11	32	150	2500	1.7	14.2	250	2700	4.4	11.7	870	2400
T 11	21	14	5.5	4.4	68	99	0.7	0.89	66	87	0.97	3.5	550	460
T 12	21	18	27	3.7	160	1100	1.4	6.2	420	530	4.4	2.2	930	6300
T 13	16	33	11	19	160	230	2.4	4.4	120	230	1.5	5.3	1700	3400
T 14	23	26	44	69	260	280	3	M	290	300	6.2	31	3500	3700
T 15	25	31	38	89	460	280	5	6.1	470	420	6.8	16	4200	4400
T 16	11	49	12	44	750	870	1.2	8.4	440	620	1.2	7.9	1100	3200
T 17	38	42	37	110	640	800	8.5	5.3	1100	580	2.9	21	5600	5100
T 18	20	18	21	6.4	300	150	2.8	1.6	290	160	5.7	1.6	1800	890
T 19	12	15	5	11	150	120	0.34	0.12	71	64	0.59	3	250	830
T 20	33	219	29	5.32	150	43.5	2.1	0.0827	130	67.1	7.5	5.48	1700	12
T 21	40	K	120	K	440	K	3.2	K	610	K	56	K	4100	K
T 22	56	9.2	35	1.9	480	96	6.1	0.37	420	160	38	4.4	4100	410
U 10	27	6.4	48	27.5	540	2030	5.05	1.7	580	2450	7.2	BDL	3300	870
U 11	34	10	32	4.1	420	59	4.5	1.8	670	65	3.4	2	3100	360
U 12	9.8	25	3	25	47	410	0.43	2.8	29	310	0.75	9.6	370	2800
U 13	25	29	43	54	400	580	4.6	9.6	300	1400	9.2	7.3	3500	4000
U 14	22	6.3	45	3	320	64	4.1	0.34	470	60	6.5	2.6	2800	540

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
U 15	20	34	14	40	290	330	3.4	8.1	370	380	2.5	2.2	4400	6500
U 16	29	269	53	84	620	540	7.5	5.4	590	580	3.5	9.2	1800	1700
U 17	20	20	27	21	3900	360	2.9	7.6	2300	320	8.6	27	4600	1600
U 18	11	7.5	6	32	850	1400	0.94	7.7	720	580	4.9	4	560	990
U 20	6.5	4.8	2.2	0.93	36	25	0.26	0.071	23	26	0.35	1.2	190	40
U 21	5.3	3.9	16	0.45	110	22	1.8	0.033	290	12	20	0.65	740	63
U 22	16	4.2	1.5	0.53	150	34	6.9	0.15	120	27	1.6	1.4	810	21
V 11	20	10	3.8	13	44	110	0.76	0.5	45	390	0.67	1.9	330	890
V 12	14	3.9	27	2.9	360	30	5.7	0.34	220	26	4.5	1.1	1800	280
V 13	27	5.4	39	3.9	820	77	12	1.6	700	54	8.8	0.62	4300	1000
V 14	27	37	44	69	460	810	5.8	6.8	540	400	4.8	11	3400	7900
V 15	19	4.3	37	1.5	350	36	6.4	0.29	450	26	5.6	0.13	2500	170
V 16	7.6	42	2.4	170	80	450	0.44	5.8	57	780	0.62	7.2	260	3100
V 17	23	18	67	7.7	610	470	4.9	0.29	670	470	6.2	1.1	3400	430
V 18	14	24	6.7	0.99	690	26	1	0.029	330	12	1.1	0.046	500	48
V 19	16	2.2	25	BDL	3200	22	0.98	0.012	860	5.1	1.7	BDL	1000	11
V 20	22	6.5	85	12	250	70	1.5	0.25	310	1400	35	5.2	800	330
V 21	13	5.8	26	5.2	180	94	1.7	0.21	230	39	10	180	810	380
V 9	55	257	60	78.9	980	1000	14	5.7	890	1090	8.4	15.7	16	12000
W 10	19	10	26	2.5	380	55	5.3	1.4	360	32	6.1	0.44	16000	220
W 11	6.6	16	1.4	23	27	260	0.23	2.2	16	280	0.094	11	240	4000
W 12	16	9.1	25	2.5	300	130	5.1	2.1	300	250	8.2	1.7	2400	1000
W 13	21	7.6	23	5	240	170	1.8	5.3	260	110	3.4	0.43	3800	800
W 14	12	16	23	38	220	270	9	6.2	350	380	2.6	4.7	1900	2100
W 15	25	27	8.4	33	160	1400	1.7	3.4	150	430	1.8	4	1100	3200
W 16	14	11	8.4	15	3300	450	2.2	5	1800	250	2.5	0.9	1300	520
W 18	21	11	3.3	0.51	170	19000	0.53	0.22	89	4900	2.9	0.59	1400	130
W 19	17	33	15	4.8	4200	12000	1.8	0.8	1300	3500	3.7	1.4	1300	750
W 20	18	K	28	K	250	K	6.6	K	450	K	5.6	K	1200	K
W 21	7.3	8.6	12	0.19	96	30	2.4	0.056	82	6.6	2.1	BDL	480	20
W 5	15	21	7.8	29	62	810	22	7.2	49	540	0.47	4.5	240	2900
W 6	19	16	29	18	180	190	6.2	5.4	320	310	4.3	2	1700	1500
W 7	12	269	6.2	84	170	620	9.2	9.89	220	590	1.3	9.2	460	800
W 8	27	11	14	5.1	510	51	9	2.6	420	85	1.5	0.41	1500	460
W 9	16	16	25	23	200	160	5.5	8.7	390	320	4.3	1.6	970	1100
X 10	22	7.1	61	4.1	500	66	6.8	0.92	710	61	13	0.75	5900	350
X 11	4.6	49	0.73	23	25	310	0.28	6.1	17	480	BDL	6.1	110	2900
X 12	18	9.5	22	3.1	270	84	4.4	0.59	460	110	8.4	1.3	3100	620
X 13	19	16	7.1	3.9	190	230	1.8	1.7	430	510	3.8	3.6	1800	2400
X 14	37	3.3	3.2	0.67	350	15	0.57	0.032	530	4.7	3.5	BDL	1800	86
X 15	25	8.7	31	4.5	510	95	4.7	0.61	470	95	2.9	0.51	6400	500
X 16	41	24	55	7.5	1200	200	1.7	1	1100	190	5.9	1.1	1500	1400
X 17	26	13	34	1.3	370	2700	1.4	0.19	250	570	2.7	0.46	2200	180
X 18	20	8	14	0.084	17000	22000	1.8	0.31	8300	3800	16	0.77	990	260
X 19	17	2.7	6.1	BDL	7600	17	0.66	0.011	930	2.7	1.7	BDL	710	5.8
X 20	15	7.1	3.8	1	130	91	0.2	0.11	88	52	0.55	0.22	230	120
X 21	3.4	1.9	0.63	0.15	24	76	0.14	0.065	24	18	0.071	1.1	71	21

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
X 5	13	35	20	100	470	3300	0.54	12	330	1800	5.1	16	310	7400
X 6	9	23	8.4	21	120	140	6	110	280	160	0.77	2	500	1200
X 7	11	12	1.3	1.3	93	36	0.29	0.43	81	36	1.4	0.34	190	140
X 8	19	30	8.9	9.9	66	100	13	10	130	930	1.5	1.7	6600	1900
X 9	N	8.8	N	5.5	N	110	N	1.2	N	140	N	0.38	N	540
Y 10	18	6.9	35	16	280	160	5.6	1.7	430	240	5.1	4.3	8500	27000
Y 11	24	28	120	28	620	220	17	5.3	650	900	12	71	7400	3000
Y 12	35	14	20	15	380	450	7.6	5	550	250	7.6	4.2	3500	1500
Y 13	51	K	8.2	K	350	K	7.4	K	590	K	8.9	K	3300	K
Y 14	53	16	11	0.45	290	75	2.3	0.59	650	93	4.1	0.58	5100	390
Y 15	37	11	29	6.1	750	96	4.9	1.5	620	75	4.8	0.59	2600	940
Y 16	8.6	20	2.5	8.5	88	110	0.32	9.1	94	350	O	0.82	300	890
Y 17	26	5.6	49	2.9	250	67	4.4	0.22	230	47	5.4	2.1	2900	280
Y 18	8.9	8.1	13	1.6	850	54	1	0.23	270	210	4.5	6.7	1300	210
Y 19	9.6	46	5	1.8	330	250	0.68	0.16	130	100	1	0.43	420	410
Y 20	7.3	20	P	10	18	110	0.021	11	P	160	0.67	1.7	15	980
Y 21	6.9	7.8	2.3	0.19	81	35	0.46	0.24	60	10	0.43	1.1	150	28
Y 26	4.7	4.7	0.53	0.52	8.4	21	0.14	0.016	13	4.3	0.95	1	110	9.8
Y 3	15	18	13	17	370	350	21	11	1300	610	1.2	6.3	5200	1200
Y 30	6.8	7.7	4.9	1.7	290	48	2.1	4.7	76	90	0.86	0.19	1500	270
Y 31	13	6.1	2.4	BDL	50	27	0.64	0.011	22	6.4	0.14	BDL	120	15
Y 38	1.9	4	BDL	BDL	17	24	0.021	0.011	4.5	18	BDL	BDL	9.6	8.9
Y 39	6.3	2	0.79	BDL	13	25	0.17	0.016	10	6.8	BDL	BDL	50	14
Y 4	17	18	7.3	17	1100	360	2.6	4.1	340	270	1.6	960	5500	750
Y 40	5.5	4.7	0.64	BDL	17	24	0.21	0.067	10	7	BDL	BDL	130	27
Y 41	26	184	6.3	4.72	11	27.1	0.15	0.023	17	49.3	BDL	4.69	160	97
Y 5	5	18	BDL	3.7	270	120	0.14	1.3	120	160	BDL	0.26	54	610
Y 6	213	5.7	8.66	9.4	210	59	0.535	0.58	197	36	9.29	0.35	210	190
Y 7	196	21	10.6	33	89.2	270	1.1	8.6	110	410	5.63	470	280	14000
Y 8	34	16	54	18	410	160	22	11	1200	420	10	3.7	17000	770
Y 9	16	20	73	53	450	1400	11	7.6	670	1000	10	10	4600	2300
Z 10	22	20	32	37	330	300	5.9	4.2	400	430	6.9	5.7	2500	2700
Z 12	14	3	55	0.31	460	24	2.9	0.32	560	15	120	0.22	6300	110
Z 13	15	16	4	8.9	190	47	5.2	0.18	400	25	3.1	0.72	1600	1600
Z 14	17	6.1	23	1.7	99	26	1.6	0.27	150	10	5.5	0.1	1000	250
Z 15	7.4	226	7.7	20	110	470	0.55	1.3	220	330	3.6	9.7	1100	16
Z 16	3.6	9.6	0.35	0.1	13	12	0.17	0.11	8.2	5.9	0.055	1.3	56	43
Z 17	7.6	25	4.6	0.58	73	16	0.51	0.037	42	17	0.44	BDL	2100	190
Z 18	4.7	6	3.2	0.69	54	22	0.53	1.6	21	110	0.69	0.1	530	170
Z 19	8.5	4.1	11	1.3	94	53	1.5	0.2	83	90	0.86	0.36	530	120
Z 20	Q	11	BDL	4.5	Q	602	0.019	Q	Q	333	BDL	4.9	8.8	1130
Z 21	21	14	58	1.3	430	160	2.3	1.6	490	230	38	1.3	15000	740
Z 22	R	4.9	R	1.7	R	43	1.7	0.34	R	44	R	0.27	3700	180
Z 24	8.6	77	2.5	20	88	150	F	7.6	94	550	0.67	3.3	300	15
Z 25	9.7	5.2	3.9	0.64	30	21	0.1	0.075	390	51	0.3	1	1200	81
Z 26	6.3	2.5	1.1	0.53	15	18	0.25	0.012	13	4.5	0.15	1.1	190	18
Z 27	4	2.7	0.59	0.56	24	17	0.068	0.028	13	4.8	0.11	1.1	34	11

TABLE 4-1
Peck Iron and Metal Site
Soil Concentrations of Metals Sampled in All Grid Cells

MPI Coordinates	Measured Soil Concentrations (mg/Kg)													
	Arsenic		Cadmium		Chromium		Mercury		Nickel		Silver		Lead	
RSL Industrial Soil	1.6		81		1400 [1]		31		2000		510		1200 [2]	
Depth	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT	0 to 18"	18" to WT
Z 28	2.9	E	0.95	E	26	E	0.16	E	65	E	BDL	E	30	E
Z 3	29	27	11	18	270	150	64	28	1100	390	2.9	1.4	1400	1700
Z 30	4.6	16	2.1	0.27	49	37	0.24	0.0058	26	6.5	0.3	BDL	54	9.3
Z 31	12	2.8	7	BDL	37	18	0.74	0.05	180	5.9	0.26	BDL	320	31
Z 38	1.8	205	BDL	5.34	15	55.8	0.021	0.016	3.9	61	BDL	5.29	8.9	12
Z 39	5.4	2.1	0.56	BDL	18	26	0.12	0.013	15	7.2	BDL	BDL	83	11
Z 4	10	15	4.3	8.1	85	96	3.6	5.8	220	430	1.1	5.8	560	1600
Z 40	8.2	195	0.29	4.98	14	56.5	0.12	0.0783	9.6	57.8	BDL	4.98	73	11
Z 41	49	219	0.8	5.29	69	62.3	0.76	0.016	280	62.9	0.25	5.3	800	20
Z 42	140	27	3.3	BDL	63	4.7	0.87	0.068	42	2.1	0.38	BDL	690	30
Z 5	5.5	19	2.5	4.8	150	180	0.44	2.8	160	260	0.3	0.61	160	540
Z 6	2.5	7.6	0.63	5.4	59	150	0.096	0.79	43	270	0.5	4.1	35	680
Z 8	292	33	55.2	61	504	340	11.1	20	600	580	20.9	9.8	3500	3100
Z 9	45	7.8	150	15	1500	130	5.7	2	1100	200	15	3	4200	1100

Notes:
RSLs provided by Oak Ridge National Laboratories in cooperation with EPA Office of Superfund, July 2008.
[1] - Chromium (VI)
[2] - Residential soil lead
BDL = Below Detection Limit
A = Not analyzed for Arsenic in surface soil (0" - 18"); B = Marsh not sampled in subsurface soil (18" - water table); C = Refused, subsurface debris
D = Lead is the only metal analyzed in subsurface soil (18" - water table); E = Water table, unable to sample; F = Not analyzed for Mercury in surface soil (0" - 18")
G = Not analyzed for Arsenic in subsurface soil (18" - water table); H = Not analyzed for Mercury and Nickel in surface soil (0" - 18")
I = Not analyzed for Cadmium, Chromium and Nickel in surface (0" - 18") and subsurface (18" - water table) soil, for Arsenic and Silver in subsurface soil (18" - water table) and for Mercury in surface soil (0" - 18")
J = Not sampled in surface soil (0" -18"); K = Not sampled in subsurface soil; L = Refusal at a depth of 18"; M = Not analyzed for Mercury in subsurface soil (18" - water table)
N = Sampled, no data; O = Not analyzed for Silver in surface soil (0" - 18"); P = Not analyzed for Cadmium and Nickel in surface soil (0" - 18")
Q = Not analyzed for Arsenic, Chromium and Nickel in surface soil (0" - 18") and for Mercury in subsurface soil (18" - water table); R = Lead and Mercury are the only metals analyzed in surface soil (0" - 18")

800 Exceeds the RSL.

TABLE 4-2
Peck Metal and Iron Site
May 2007 Sediment Data

Compound	Sediment Sampling Results										Screening Criteria
	SD-1-0	SD-2-0	SD-3-0	SD-4-0	SD-5-0	SD-6-0	SD-7-0	SD-8-0	SD-9-0	SD-10-0	FSSB[1]
PCB HOMOLOGUES											
Heptachlorobiphenyl	300 U	230 U	290 U	**35 J**	290 U	370 U	380 U	350 U	330 U	310 U	59.8[2]
Hexachlorobiphenyl	200 U	150 U	200 U	**40 J**	**75 J**	250 U	250 U	240 U	220 U	210 U	59.8[2]
Nonachlorobiphenyl	500 U	390 U	500 U	450 U	500 U	630 U	640 U	600 U	560 U	520 U	59.8[2]
Octachlorobiphenyl	300 U	230 U	290 U	270 U	290 U	370 U	380 U	350 U	330 U	310 U	59.8[2]
Monochlorobiphenyl	98 U	75 U	96 U	88 U	97 U	120 U	120 U	120 U	110 U	100 U	59.8[2]
DCB Decachlorobiphenyl	500 U	390 U	500 U	450 U	500 U	630 U	640 U	600 U	560 U	520 U	59.8[2]
Dichlorobiphenyl	98 U	75 U	96 U	88 U	97 U	120 U	120 U	120 U	110 U	100 U	59.8[2]
Pentachlorobiphenyl	200 U	150 U	200 U	180 U	200 U	250 U	250 U	240 U	220 U	210 U	59.8[2]
Tetrachlorobiphenyl	200 U *	150 U *	200 U *	180 U *	200 U *	250 U *	250 U *	240 U *	220 U *	210 U *	59.8[2]
Trichlorobiphenyl	98 U	75 U	96 U	88 U	97 U	120 U	120 U	120 U	110 U	100 U	59.8[2]
METALS											
Arsenic	**12**	**8.8**	**14**	**14**	**11**	**17**	**18**	**14**	**14**	**13**	9.8
Cadmium	**1.6**	**1 J**	**2**	**1.9**	**2.6**	**3**	**2.4**	**2.1**	**1.9**	**1.6**	0.99
Chromium	**130**	**130**	**310**	**1400**	**780**	**320**	**270**	**160**	**150**	**120**	43.4
Nickel	**62**	**68**	**170**	**1100**	**470**	**190**	**130**	**80**	**76**	**63**	22.7
Lead	**120**	**110**	**180**	**390**	**170**	**250**	**210**	**180**	**170**	**170**	35.8
Mercury	**0.083**	**0.19**	**2.2**	**0.72**	**0.43**	**0.97**	**1.1**	**0.62**	**1.1**	**0.62**	0.2
Silver	**3**	2.2 U	2.6 U	**0.61 J**	**0.3 J**	**0.61 J**	3.5 U	3.1 U	3 U	2.7 U	1.0

Compound	Sediment Sampling Results										Screening Criteria
	SD-11-0	SD-12-0	SD-13-0	SD-14-0	SD-15-0	SD-16-0	SD-17-0	SD-18-0	SD-19-0	SD-20-0	FSSB[1]
PCB HOMOLOGUES											
Heptachlorobiphenyl	370 U	340 U	360 U	360 U	360 U	350 U	400 U	390 U	340 U	350 U	59.8[2]
Hexachlorobiphenyl	250 U	230 U	240 U	240 U	240 U	230 U	260 U	260 U	230 U	230 U	59.8[2]
Nonachlorobiphenyl	630 U	580 U	610 U	610 U	610 U	590 U	670 U	660 U	580 U	590 U	59.8[2]
Octachlorobiphenyl	370 U	340 U	360 U	360 U	360 U	350 U	400 U	390 U	340 U	350 U	59.8[2]
Monochlorobiphenyl	120 U	110 U	120 U	120 U	120 U	110 U	130 U	130 U	110 U	110 U	59.8[2]
DCB Decachlorobiphenyl	630 U	580 U	610 U	610 U	610 U	590 U	670 U	660 U	580 U	590 U	59.8[2]
Dichlorobiphenyl	120 U	110 U	120 U	120 U	120 U	110 U	130 U	130 U	110 U	110 U	59.8[2]
Pentachlorobiphenyl	250 U	230 U	240 U	240 U	240 U	230 U	260 U	260 U	230 U	230 U	59.8[2]
Tetrachlorobiphenyl	250 U *	230 U *	240 U *	240 U *	240 U *	230 U *	260 U *	260 U *	230 U *	230 U *	59.8[2]
Trichlorobiphenyl	120 U	110 U	120 U	120 U	120 U	110 U	130 U	130 U	110 U	110 U	59.8[2]
METALS											
Arsenic	**14**	**14**	**15**	**14**	**14**	**13**	**14**	**15**	**16**	**21**	9.8
Cadmium	**2.5**	**2.2**	**3.3**	**2.8**	**3.1**	**2.3**	**2.4**	**2.4**	**2.1**	**2.5**	0.99
Chromium	**140**	**110**	**140**	**120**	**120**	**120**	**150**	**130**	**220**	**1100**	43.4
Nickel	**71**	**61**	**76**	**67**	**70**	**63**	**72**	**65**	**120**	**540**	22.7
Lead	**180**	**170**	**210**	**180**	**200**	**180**	**190**	**190**	**180**	**230**	35.8
Mercury	**0.94**	**1.1**	**0.98**	**0.79**	**0.99**	**0.74**	**0.85**	**0.85**	**0.75**	**1.8**	0.2
Silver	3.5 U	**0.32 J**	**0.46 J**	**0.34 J**	**0.36 J**	**0.42 J**	3.6 U	**0.4 J**	2.9 U	**0.75 J**	1.0

TABLE 4-2
Peck Metal and Iron Site
May 2007 Sediment Data

Compound	Sediment Sampling Results										Screening Criteria
	SD-21-0	SD-22-0	SD-23-0	SD-24-0	SD-25-0	SD-26-0	SD-27-0	SD-28-0	SD-29-0	SD-30-0	FSSB[1]
PCB HOMOLOGUES											
Heptachlorobiphenyl	590 U	720 U	770 U	840 U	750 U	700 U	4000 U	880 U	1000 U	850 U	59.8[2]
Hexachlorobiphenyl	390 U	480 U	510 U	560 U	500 U	470 U	2600 U	590 U	680 U	570 U	59.8[2]
Nonachlorobiphenyl	1000 U	1200 U	1300 U	1400 U	1300 U	1200 U	6700 U	1500 U	1700 U	1400 U	59.8[2]
Octachlorobiphenyl	590 U	720 U	770 U	840 U	750 U	700 U	4000 U	880 U	1000 U	850 U	59.8[2]
Monochlorobiphenyl	190 U	240 U	250 U	280 U	250 U	230 U	1300 U	290 U	330 U	280 U	59.8[2]
DCB Decachlorobiphenyl	1000 U	1200 U	1300 U	1400 U	1300 U	1200 U	6700 U	1500 U	1700 U	1400 U	59.8[2]
Dichlorobiphenyl	190 U	240 U	250 U	280 U	250 U	230 U	1300 U	290 U	330 U	280 U	59.8[2]
Pentachlorobiphenyl	390 U	480 U	510 U	560 U	500 U	470 U	2600 U	590 U	680 U	570 U	59.8[2]
Tetrachlorobiphenyl	390 U	480 U	510 U	560 U	500 U	470 U	2600 U	590 U	680 U	570 U	59.8[2]
Trichlorobiphenyl	190 U	240 U	250 U	280 U	250 U	230 U	1300 U	290 U	330 U	280 U	59.8[2]
METALS											
Arsenic	**13**	**12**	**14**	**15**	**14**	**15**	**12**	**18**	**17**	**16**	9.8
Cadmium	**1.9**	**2.3**	**2.1**	**2.3**	**2.2**	**2.3**	**2**	**2.5**	**2.4**	**2.3**	0.99
Chromium	**130**	**120**	**100**	**170**	**110**	**110**	**88**	**100**	**96**	**88**	43.4
Nickel	**83**	**62**	**51**	**58**	**55**	**54**	**45**	**54**	**52**	**52**	22.7
Lead	**190**	**170**	**170**	**450**	**190**	**180**	**160**	**200**	**190**	**190**	35.8
Mercury	**0.54**	**1.3**	**1.2**	**0.78**	**0.85**	**0.69**	**0.65**	**0.82**	**0.74**	**0.72**	0.2
Silver	2.6 U	3.4 U	3.3 U	3.9 U	**0.37 J**	3.2 U	**0.77 J**	4 U	4.4 U	4.1 U	1.0

Compound	Sediment Sampling Results											Screening Criteria
	SD-31-0	SD-32-0	SD-33-0	SD-34-0	SD-34-0 DUP	SD-35-0	SD-35-0 DUP	SD-36-0	SD-36-0 DUP	SD-37-0	SD-37-0 DUP	FSSB[1]
PCB HOMOLOGUES												
Heptachlorobiphenyl	930 U	790 U	730 U	700 U	640 U	760 U	760 U	3700 U	360 U	950 U	850 U	59.8[2]
Hexachlorobiphenyl	620 U	**140** J	490 U	470 U	430 U	510 U	510 U	2500 U	240 U	640 U	570 U	59.8[2]
Nonachlorobiphenyl	1600 U	1300 U	1200 U	1200 U	1100 U	1300 U	1300 U	6400 U	610 U	1600 U	1400 U	59.8[2]
Octachlorobiphenyl	930 U	790 U	730 U	700 U	640 U	760 U	760 U	3700 U	360 U	950 U	850 U	59.8[2]
Monochlorobiphenyl	310 U	260 U	240 U	230 U	210 U	250 U	250 U	1200 U	120 U	310 U	280 U	59.8[2]
DCB Decachlorobiphenyl	1600 U	1300 U	1200 U	1200 U	1100 U	1300 U	1300 U	6400 U	610 U	1600 U	1400 U	59.8[2]
Dichlorobiphenyl	310 U	260 U	240 U	230 U	210 U	250 U	250 U	1200 U	120 U	310 U	280 U	59.8[2]
Pentachlorobiphenyl	620 U	530 U	490 U	470 U	430 U	510 U	510 U	2500 U	240 U	640 U	570 U	59.8[2]
Tetrachlorobiphenyl	620 U	530 U	490 U	470 U	430 U	510 U	510 U	2500 U	240 U	640 U	570 U	59.8[2]
Trichlorobiphenyl	310 U	260 U	240 U	230 U	210 U	250 U	250 U	1200 U	120 U	310 U	280 U	59.8[2]
METALS												
Arsenic	**17**	**12**	**13**	**14**	**12**	**13**	**12**	**13**	**12**	**14**	**14**	9.8
Cadmium	**2.7**	**2.1**	**2.1**	**2.1**	**1.8**	**2.4**	**2.2**	**2.4**	**1.8**	**2.1 J**	**2.2**	0.99
Chromium	**130**	**100**	**89**	**130**	**100**	**110**	**99**	**110**	**110**	**120**	**120**	43.4
Nickel	**63**	**50**	**46**	**67**	**53**	**58**	**50**	**58**	**46**	**60**	**63**	22.7
Lead	**220**	**210**	**170**	**180**	**170**	**200**	**170**	**180**	**150**	**180**	**180**	35.8
Mercury	**0.75**	**0.67**	**0.66**	**1**	**0.57**	**1.1**	**0.75**	**0.81**	**0.58**	**1.1**	**0.7**	0.2
Silver	4.3 U	3.4 U	**0.84 J**	3.4 U	2.7 U	3.7 U	**0.35 J**	3.4 U	**0.52 J**	**0.44 J**	3.7 U	1.0

Notes:

J - Constituent detected at a concentration above the method detection limit (MDL) but below the limit of quantitation, concentrations are estimated.

U - Constituent not detected.

* Indicates LCS or LCSD exceeds the control limits.

[1] Indicates Freshwater Sediment Screening Benchmarks (FSSB) provided by EPA, August 2008.

[2] Screening criteria concentrations is for total PCBs.

12 **Exceeds the FSSB**

TABLE 4-3
Peck Iron and Metal Site
July 2008 Groundwater Monitoring Data

Compound	Groundwater Sampling Results (µg/L)									Screening Criteria (µg/L)		
	MW-1R (7/1/2008)	MW-1R DUP (7/1/2008)	MW-2 (7/1/2008)	MW-4 (7/1/2008)	MW-5 (7/1/2008)	MW-6 (7/2/2008)	MW-7 (7/1/2008)	MW-9 (7/1/2008)	MW-10 (7/1/2008)	RSLs	Adjusted RSLs*	MCLs
PCB HOMOLOGUES												
Heptachlorobiphenyl	0.29 U	0.29 U	0.29 U	0.3 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.015[2]	---	0.5
Hexachlorobiphenyl	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.015[2]	---	0.5
Nonachlorobiphenyl	0.49 U	0.49 U	0.49 U	0.5 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	---	---	0.5
Octachlorobiphenyl	0.29 U	0.29 U	0.29 U	0.3 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	---	---	0.5
Monochlorobiphenyl	0.097 U	0.097 U	0.097 U	0.1 U	0.097 U	0.097 U	0.097 U	**0.0084 J**	0.097 U	---	---	0.5
DCB Decachlorobiphenyl	0.49 U	0.49 U	0.49 U	0.5 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	---	---	0.5
Dichlorobiphenyl	0.097 U	0.097 U	0.097 U	0.1 U	0.097 U	0.097 U	0.097 U	**0.17**	0.097 U	---	---	0.5
Pentachlorobiphenyl	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.015[2]	---	0.5
Tetrachlorobiphenyl	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.0045[2]	---	0.5
Trichlorobiphenyl	0.097 U	0.097 U	0.097 U	0.1 U	0.097 U	0.097 U	**0.007 J**	**0.016 J**	**0.014 J**	---	---	0.5
METALS												
Arsenic, Total	**9.5 J**	**11**	10 U	**20**	**22**	**19**	**28**	**6.9 J**	10 U	0.045	---	10
Silver, Total	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	180	18	---
Cadmium, Total	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	18	---	5
Chromium, Total	**1.4 J**	10 U	10 U	10 U	10 U	10 U	**93**	**1.8 J**	10 U	55000[3]	5500	100
Nickel, Total	**8.8 J**	**6.5 J**	**800**	40 U	**6.8 J**	40 U	**30 J**	40 U	**2 J**	730	73	---
Lead, Total[1]	**3.7 J B**	5 U	5 U	**2.7 J B**	**4 J B**	5 U	**50 B**	**6.9 B**	**12 B**	---	---	---
Mercury, Total	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.24**	0.2 U	**0.1 J**	0.63[4]	0.063	2
Arsenic, Dissolved	**10**	**9.8 J**	10 U	**21**	**17**	**20**	10 U	**6 J**	**3 J**	0.045	---	10
Silver, Dissolved	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	180	18	---
Cadmium, Dissolved	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	18	---	5
Chromium, Dissolved	10 U	10 U	10 U	**2.6 J**	10 U	10 U	**2.4 J**	10 U	10 U	55000[3]	---	100
Nickel, Dissolved	**8.1 J**	**7.6 J**	**730**	**2.2 J**	**7.9 J**	40 U	**9.1 J**	40 U	**2.7 J**	730	---	---
Lead, Dissolved	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**2.6 J**	5 U	---	---	15
Mercury, Dissolved	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.63[4]	---	2

Notes:
J - Constituent detected at a concentration above the method detection limit (MDL) but below the limit of quantitation, concentrations are estimated.
B - Constituent was detected in the method blank and sample.
U - Constituent not detected.

RSLs provided by Oak Ridge National Laboratories in cooperation with EPA Office of Superfund, July 2008.
* Indicates RSLs that have been adjusted for a Hazard Quotient of 0.1 for noncancer compounds (i.e., divided by 10) to account for additive effects.

[1] Indicates laboratory method blank contamination equal to 3.8 µg/L for total lead. Additionally field blank and equipment rinseate collected 7/1/2008 showed lead contamination at concentrations less than the method blank contamination.
[2] Indicates lowest RSL value for multiple species compound used.
[3] Indicates value for chromium III.
[4] Indicates value for elemental mercury.

40	**Exceeds the RSL**
40	**Exceeds the MCL and RSL**