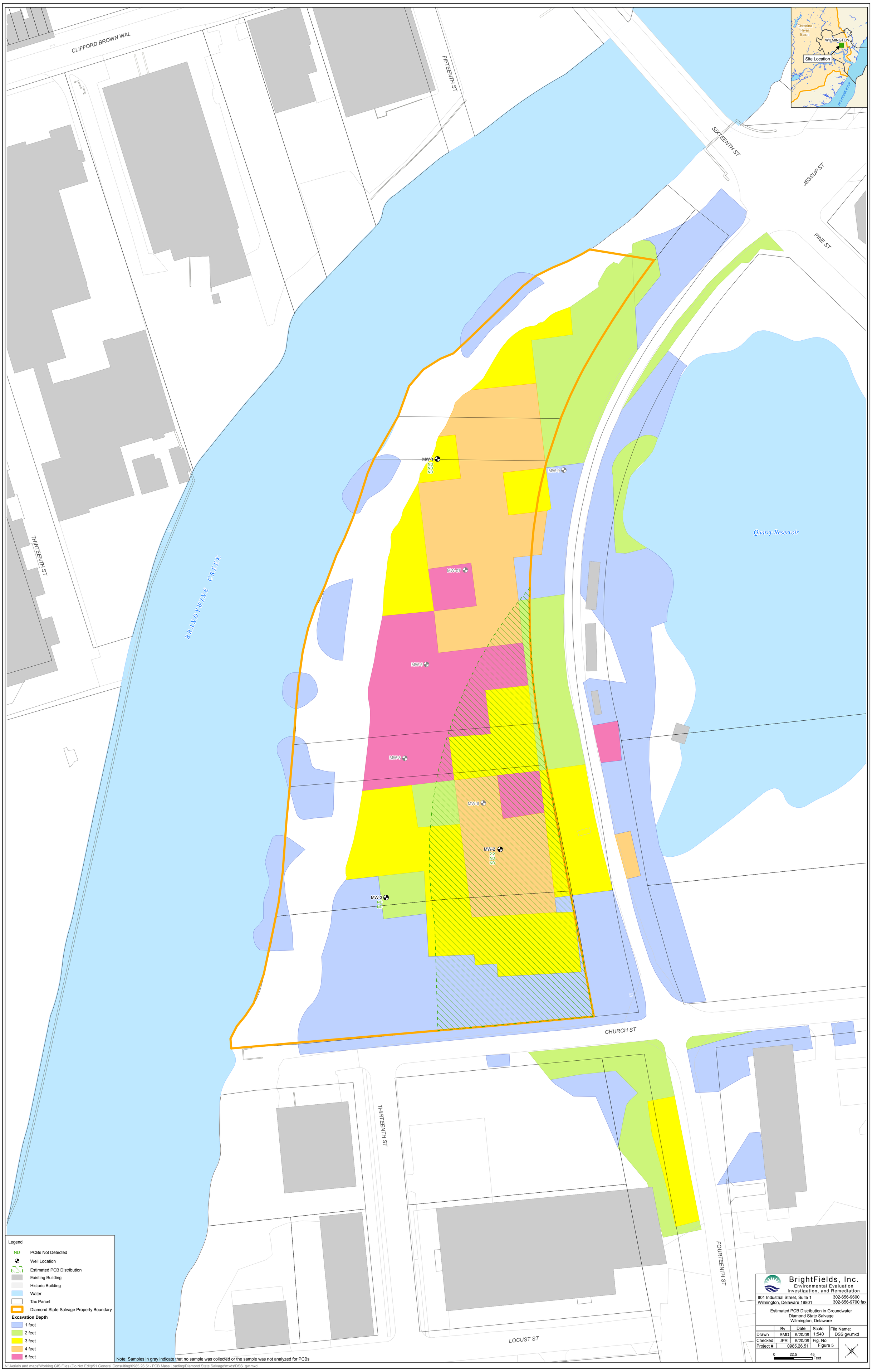
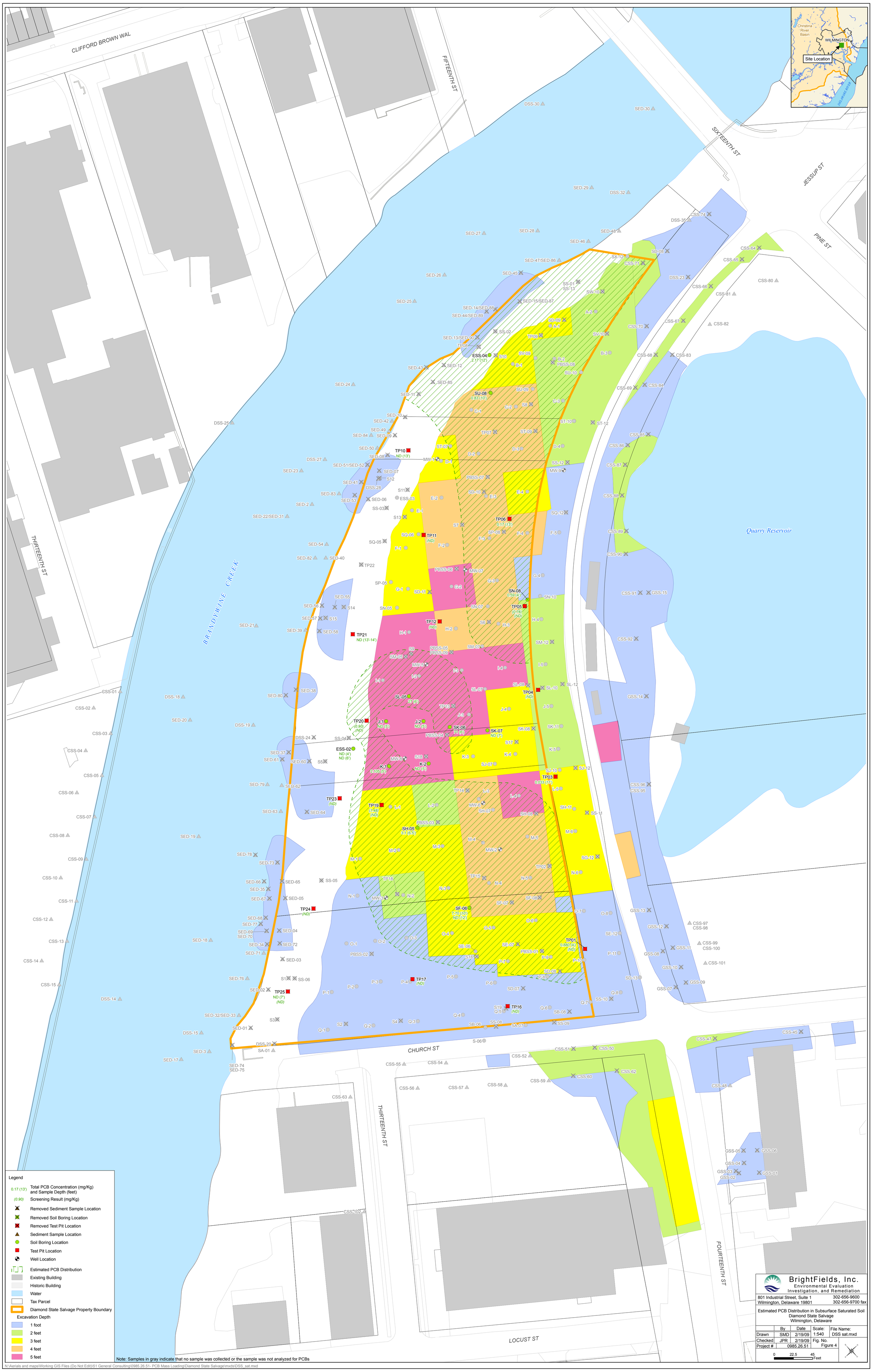
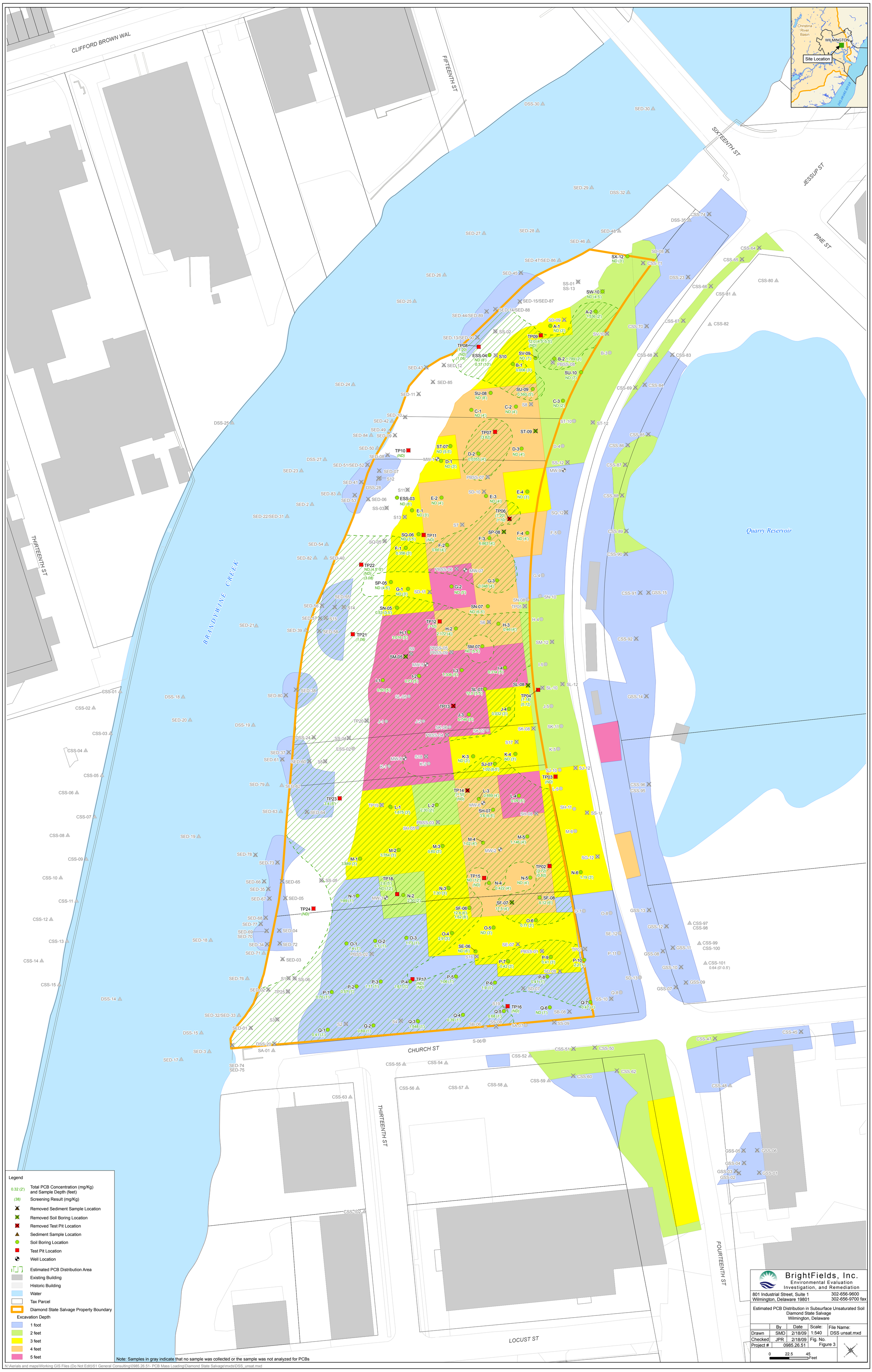
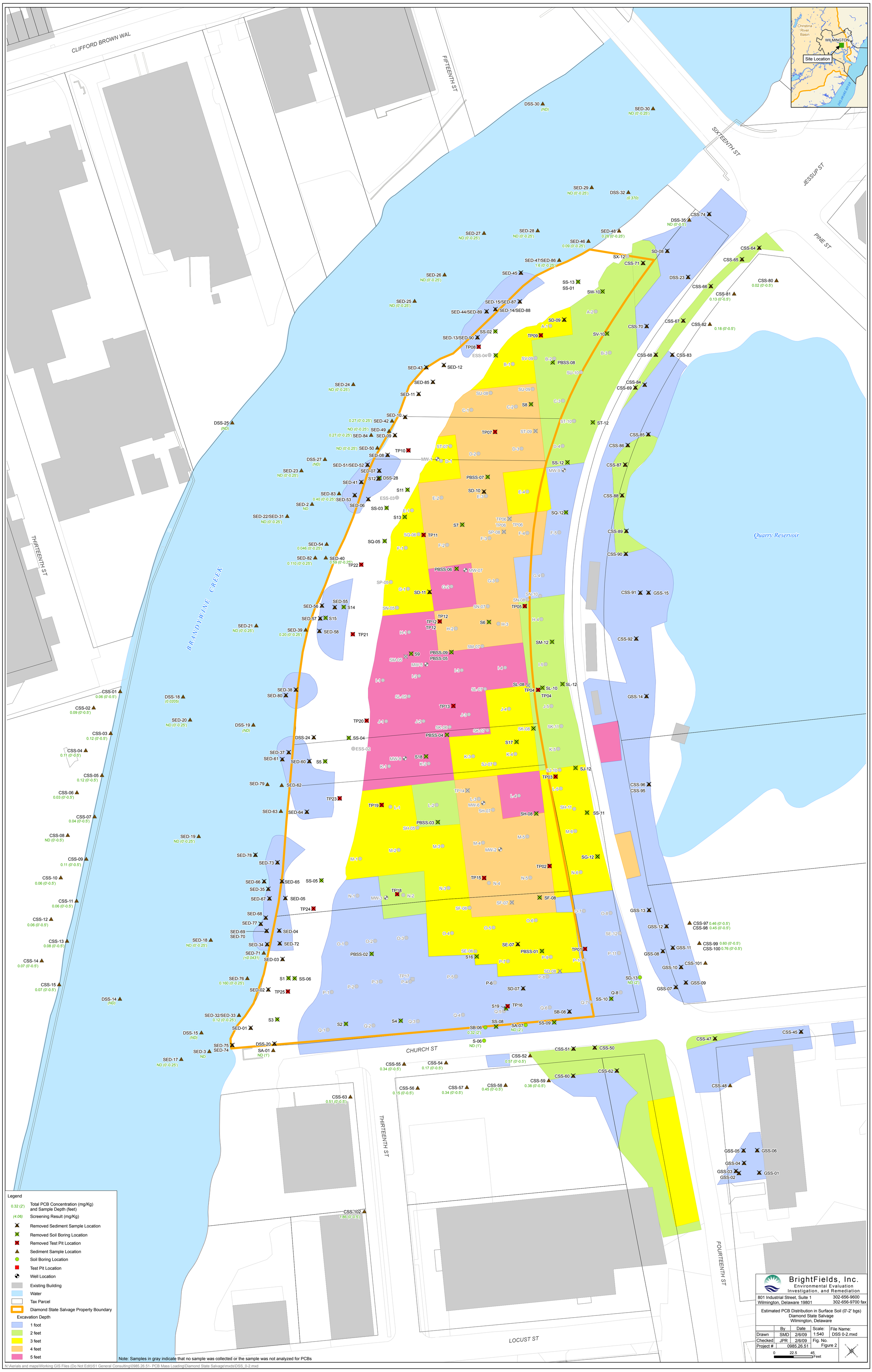
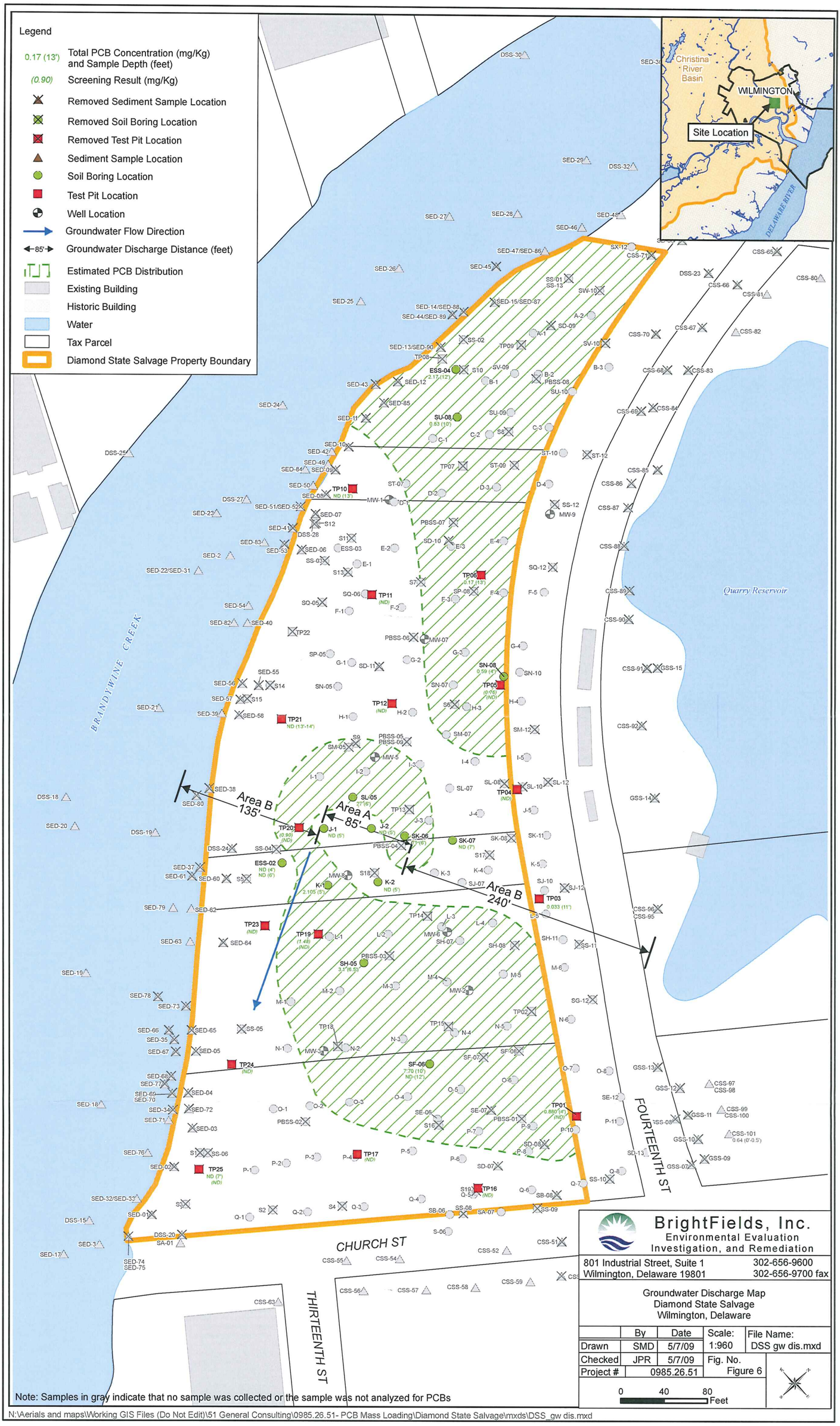

CLIFFORD BROWN WAL
FIFTEENTH ST
SIXTEENTH ST
JESSUP ST
PINE ST
THIRTEENTH ST
BRANDYWINE CREEK
Quarry Reservoir
CHURCH ST
LOCUST ST
FOURTEENTH ST
Christina River Basin
WILMINGTON
Site Location
DELAWARE RIVER
MW-1 ND ND ND
MW-9
MW-07
MW-5
MW-8
MW-6
MW-2 2.2 ND ND
MW-3 ND ND
Legend
ND PCBs Not Detected
Well Location
Estimated PCB Distribution
Existing Building
Historic Building
Water
Tax Parcel
Diamond State Salvage Property Boundary
Excavation Depth
1 foot
2 feet
3 feet
4 feet
5 feet
Note: Samples in gray indicate that no sample was collected or the sample was not analyzed for PCBs
BrightFields, Inc.
Environmental Evaluation Investigation, and Remediation
801 Industrial Street, Suite 1
Wilmington, Delaware 19801
302-656-9600
302-656-9700 fax
Estimated PCB Distribution in Groundwater
Diamond State Salvage
Wilmington, Delaware
By Date Scale: File Name:
Drawn SMD 5/20/09 1:540 DSS gw.mxd
Checked JPR 5/20/09 Fig. No. Figure 5
Project # 0985.26.51
0 22.5 45 Feet
N
N:\Aerials and maps\Working GIS Files (Do Not Edit)\51 General Consulting\0985.26.51- PCB Mass Loading\Diamond State Salvage\mxds\DSS_gw.mxd


CLIFFORD BROWN WAL
FIFTEENTH ST
SIXTEENTH ST
JESSUP ST
PINE ST
THIRTEENTH ST
CHURCH ST
LOCUST ST
FOURTEENTH ST
BRANDYWINE CREEK
Quarry Reservoir
Christina River Basin
WILMINGTON
Site Location
DELAWARE RIVER
ESS-04 2.17 (12')
SU-08 0.83 (10')
TP10 ND (13')
TP21 ND (13'-14')
TP20 (0.90) (ND)
ESS-02 ND (4') ND (6')
K-1 2.105 (5')
TP23 (ND)
TP19 (1.48) (ND)
SH-05 3:1 (6.5')
TP24 (ND)
SF-06 7.70 (10') ND (12')
TP25 ND (7') (ND)
TP06 0.17 (13')
TP11 (ND)
TP09
TP08
TP12 (ND)
TP07
TP14
TP15
TP18
TP22
TP02
TP01 0.880 (4') (ND)
TP17 (ND)
TP16 (ND)
TP05 (0.76) (ND)
TP04 (ND)
TP03 0.033 (11')
SN-08 0.59 (4')
SL-05 27 (6')
SK-06 71 (6')
SK-07 ND (7')
J-1 ND (5')
J-2 ND (5')
K-2 ND (5')
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-9
Legend
0.17 (13') Total PCB Concentration (mg/Kg) and Sample Depth (feet)
(0.90) Screening Result (mg/Kg)
Removed Sediment Sample Location
Removed Soil Boring Location
Removed Test Pit Location
Sediment Sample Location
Soil Boring Location
Test Pit Location
Well Location
Estimated PCB Distribution
Existing Building
Historic Building
Water
Tax Parcel
Diamond State Salvage Property Boundary
Excavation Depth
1 foot
2 feet
3 feet
4 feet
5 feet
Note: Samples in gray indicate that no sample was collected or the sample was not analyzed for PCBs
BrightFields, Inc.
Environmental Evaluation Investigation, and Remediation
801 Industrial Street, Suite 1
Wilmington, Delaware 19801
302-656-9600
302-656-9700 fax
Estimated PCB Distribution in Subsurface Saturated Soil
Diamond State Salvage
Wilmington, Delaware
By Date
Drawn SMD 2/19/09
Checked JPR 2/19/09
Project # 0985.26.51
Scale: 1:540
File Name: DSS sat.mxd
Fig. No. Figure 4
0 22.5 45 Feet
N:\Aerials and maps\Working GIS Files (Do Not Edit)\51 General Consulting\0985.26.51- PCB Mass Loading\Diamond State Salvage\mxds\DSS_sat.mxd


CLIFFORD BROWN WAL
FIFTEENTH ST
SIXTEENTH ST
JESSUP ST
PINE ST
THIRTEENTH ST
CHURCH ST
LOCUST ST
FOURTEENTH ST
BRANDYWINE CREEK
Quarry Reservoir
Christina River Basin
WILMINGTON
Site Location
DELAWARE RIVER
SED-30
DSS-30
SED-29
DSS-32
SED-27
SED-28
SED-48
SED-46
DSS-35
CSS-74
SED-47/SED-86
SD-08
SX-12
ND (3')
CSS-71
CSS-64
CSS-65
SED-26
SED-45
DSS-23
CSS-80
SS-01
SS-13
SW-10
ND (4.5')
CSS-66
CSS-81
SED-25
SED-15/SED-87
SED-14/SED-88
A-2
1,536 (2')
SED-44/SED-89
SD-09
A-1
ND (3')
CSS-67
CSS-82
SS-02
CSS-70
SV-10
SED-13/SED-90
TP09
12.0 (4.5'-5.5')
(ND)
TP08
(1.20)
(ND)
(1.06)
ESS-04
ND (8')
0.37 (10')
S10
SV-09
ND (7')
B-2
1,789 (2')
PBSS-08
B-3
CSS-68
CSS-83
SED-43
SED-12
B-1
0.006 (3')
SU-10
ND (7')
SED-24
SED-85
SU-09
0.560 (5')
CSS-69
CSS-84
SED-11
SU-08
ND (8')
C-3
ND (2')
S8
C-2
ND (4')
C-1
ND (4')
SED-10
ST-10
ST-12
DSS-25
SED-42
SED-49
SED-84
SED-09
TP07
(3.62)
ST-09
CSS-85
ST-07
ND (5.5')
D-3
ND (4')
D-4
CSS-86
SED-50
TP10
(ND)
SED-08
MW-1
D-2
0.0353 (4')
D-1
ND (3')
SS-12
CSS-87
DSS-27
SED-51/SED-52
SED-07
MW-9
SED-23
PBSS-07
S12
SED-41
CSS-88
DSS-28
S11
SD-10
E-4
ND (3')
SED-83
SED-53
SED-06
ESS-03
ND (6')
E-2
ND (4')
E-3
ND (4')
SED-2
SS-03
E-1
ND (3')
TP06
(1.20)
(>10)
SQ-12
SED-22/SED-31
S13
S7
CSS-89
SQ-06
ND (3.5')
TP11
(ND)
SP-08
F-4
ND (4')
SED-54
SQ-05
F-3
6.863 (4')
F-2
0.66 (4')
F-1
0.356 (3')
F-5
CSS-90
SED-82
SED-40
TP22
ND (4.5'-5')
(ND)
(3.08)
PBSS-06
MW-07
G-3
0.048 (4')
SP-05
ND (4.5')
G-1
ND (3')
G-2
ND (5')
G-4
SD-11
SED-55
CSS-91
GSS-15
SED-56
S14
SN-05
0.53 (3.5')
SN-07
ND (6.5')
SN-08
SN-10
TP05
SED-57
S15
TP12
(>10)
H-2
2.172 (4')
S6
H-3
0.46 (4')
H-4
SED-21
SED-39
SED-58
TP21
(1.06)
H-1
3.016 (5')
SM-07
ND (5.5')
SM-12
S9
PBSS-05
PBSS-09
SM-05
MW-5
I-3
7.306 (5')
I-4
0.314 (5')
I-5
I-2
0.73 (5')
I-1
0.50 (5')
SL-07
12.5 (5.5')
SL-08
SL-10
SL-12
CSS-92
SED-80
SED-38
SL-05
TP04
(1.18)
(0.12)
GSS-14
CSS-01
DSS-18
TP13
J-4
0.032 (3')
J-5
CSS-02
SED-20
J-3
5.746 (5')
TP20
J-1
J-2
DSS-19
SK-06
SK-07
SK-08
SK-11
CSS-03
DSS-24
SS-04
PBSS-04
S17
CSS-04
ESS-02
K-5
SED-37
K-3
ND (3')
K-4
ND (3')
SED-61
SED-60
S5
MW-8
S18
K-1
K-2
SJ-07
1.02 (6.5')
SJ-10
SJ-12
CSS-05
TP03
(ND)
CSS-96
CSS-95
SED-79
SED-62
L-5
CSS-06
TP14
(>10)
(ND)
L-3
0.689 (4')
L-4
0.09 (5')
TP23
3.4 (5')
TP19
L-1
1.675 (3')
L-2
2.30 (2')
MW-6
SH-11
CSS-07
SED-63
SED-64
SH-07
3.6 (6.5')
SS-11
SH-08
PBSS-03
SH-05
CSS-08
SED-19
M-6
M-4
1.02 (4')
M-5
1.146 (4')
M-3
5.60 (3')
M-2
3.764 (3')
MW-2
SED-78
M-1
3.889 (3')
SG-12
SED-73
TP02
(3.72)
(0.60)
CSS-09
TP15
ND (12')
(ND)
N-6
1.19 (3')
N-5
ND (4')
CSS-10
SED-66
SED-65
SS-05
TP18
2.8 (5')
ND (12')
N-4
0.422 (4')
SED-35
N-3
7.30 (3')
SF-08
8.12 (6')
CSS-11
SED-67
SED-05
N-1
1.89 (1')
N-2
2.30 (2')
MW-3
SF-07
17.5 (4')
TP24
(ND)
SF-06
12.8 (6')
1.62 (8')
O-7
O-8
CSS-12
SED-68
SED-77
O-6
0.11 (3')
GSS-13
GSS-12
CSS-97
CSS-98
SED-69
SED-70
SED-04
O-5
ND (3')
SE-12
CSS-13
SED-18
SED-34
SED-72
O-4
2.9 (3')
O-3
1.73 (1')
O-1
7.4 (1')
O-2
6.1 (1')
CSS-99
CSS-100
GSS-11
SED-71
PBSS-02
SE-06
ND (6')
SE-07
PBSS-01
TP01
P-11
GSS-08
CSS-14
SED-03
S16
P-7
0.42 (3')
P-9
0.41 (3')
P-10
2.2 (1')
CSS-101
0.64 (0'-0.5')
SD-08
GSS-10
SED-76
S1
SS-06
P-8
0.41 (1')
SD-13
GSS-09
CSS-15
SED-02
TP25
P-5
1.06 (1')
P-6
1.9 (1')
SD-07
GSS-07
P-3
1.17 (1')
P-4
1.61 (1')
TP17
(ND)
(ND)
P-2
0.57 (1')
P-1
0.70 (1')
Q-8
DSS-14
S19
TP16
(ND)
Q-6
ND (1')
Q-7
0.47 (1')
SS-10
SED-32/SED-33
Q-5
0.68 (1')
SB-08
S3
Q-4
0.39 (1')
S4
Q-3
1.548 (1')
SB-06
SS-08
SA-07
SS-09
SED-01
S2
Q-2
0.69 (1')
Q-1
0.41 (1')
DSS-15
S-06
DSS-20
SA-01
SED-3
CSS-47
CSS-45
SED-17
CSS-51
CSS-50
CSS-52
SED-74
SED-75
CSS-55
CSS-54
CSS-62
CSS-60
CSS-56
CSS-57
CSS-58
CSS-59
CSS-48
CSS-63
CSS-102
GSS-05
GSS-06
GSS-04
GSS-03
GSS-02
GSS-01
Legend
0.32 (2')
Total PCB Concentration (mg/Kg) and Sample Depth (feet)
(38)
Screening Result (mg/Kg)
Removed Sediment Sample Location
Removed Soil Boring Location
Removed Test Pit Location
Sediment Sample Location
Soil Boring Location
Test Pit Location
Well Location
Estimated PCB Distribution Area
Existing Building
Historic Building
Water
Tax Parcel
Diamond State Salvage Property Boundary
Excavation Depth
1 foot
2 feet
3 feet
4 feet
5 feet
Note: Samples in gray indicate that no sample was collected or the sample was not analyzed for PCBs
BrightFields, Inc.
Environmental Evaluation Investigation, and Remediation
801 Industrial Street, Suite 1
Wilmington, Delaware 19801
302-656-9600
302-656-9700 fax
Estimated PCB Distribution in Subsurface Unsaturated Soil
Diamond State Salvage
Wilmington, Delaware
By
Date
Scale:
1:540
File Name:
DSS unsat.mxd
Drawn
SMD
2/18/09
Checked
JPR
2/18/09
Project #
0985.26.51
Fig. No.
Figure 3
0
22.5
45
Feet
N:\Aerials and maps\Working GIS Files (Do Not Edit)\51 General Consulting\0985.26.51- PCB Mass Loading\Diamond State Salvage\mxds\DSS_unsat.mxd


CLIFFORD BROWN WAL
FIFTEENTH ST
SIXTEENTH ST
JESSUP ST
PINE ST
THIRTEENTH ST
CHURCH ST
LOCUST ST
FOURTEENTH ST
BRANDYWINE CREEK
Quarry Reservoir
Christina River Basin
WILMINGTON
Site Location
DELAWARE RIVER
DSS-30 (ND)
SED-30 ND (0'-0.25')
SED-29 ND (0'-0.25')
DSS-32 (0.370)
DSS-35 ND (0'-0.5')
CSS-74
SED-27 ND (0'-0.25')
SED-28 ND (0'-0.25')
SED-48 0.28'(0'-0.25')
SED-46 0.09 (0'-0.25')
SD-08
CSS-64
SX-12
CSS-65
SED-47/SED-86 1.6 (0'-0.25')
CSS-71
SED-26 ND (0'-0.25')
SED-45
DSS-23
SS-13
SS-01
CSS-80 0.02 (0'-0.5')
CSS-66
SW-10
CSS-81 0.13 (0'-0.5')
SED-25 ND (0'-0.25')
SED-15/SED-87
SED-44/SED-89
SED-14/SED-88
A-2
SD-09
A-1
CSS-67
CSS-82 0.18 (0'-0.5')
CSS-70
SS-02
TP09
SV-10
SED-13/SED-90
TP08
ESS-04
SED-43
SED-12
B-1
SV-09
B-2
PBSS-08
B-3
CSS-68
CSS-83
SED-24 ND (0'-0.25')
SED-85
SU-10
CSS-84
CSS-69
SED-11
SU-08
SU-09
C-3
C-2
S8
C-1
SED-10
ST-10
ST-12
DSS-25 (ND)
0.27 (0'-0.25') SED-42
ND (0'-0.25') SED-49
0.27 (0'-0.25') SED-84
SED-09
TP07
ST-09
CSS-85
ND (0'-0.25') SED-50
TP10
ST-07
D-4
D-3
CSS-86
SED-08
D-2
DSS-27 (ND)
MW-1
D-1
SS-12
CSS-87
SED-51/SED-52
MW-9
SED-23 ND (0'-0.25')
SED-07
S12
DSS-28
PBSS-07
SED-41
SD-10
E-4
CSS-88
S11
SED-83 0.40 (0'-0.25')
SED-53
ESS-03
E-2
E-3
SED-06
SED-2 ND
SS-03
E-1
SQ-12
SED-22/SED-31 ND (0'-0.25')
S13
TP06
TP06
TP06
S7
CSS-89
SQ-06
TP11
SP-08
F-4
F-5
SQ-05
F-3
F-2
F-1
SED-54 0.046 (0'-0.25')
CSS-90
SED-82 0.110 (0'-0.25')
SED-40 0.59 (0'-0.25')
TP22
PBSS-06
MW-07
G-4
SP-05
G-3
G-2
G-1
SD-11
CSS-91
GSS-15
SN-10
SED-55
SED-56
S14
SN-08
SN-05
SN-07
TP05
TP12
SED-57
S15
TP12
S6
H-3
H-4
SED-21 ND (0'-0.25')
TP12
H-2
SED-39 0.20 (0'-0.25')
SED-58
TP21
H-1
SM-07
CSS-92
SM-12
S9
PBSS-09
SM-05
PBSS-05
MW-5
I-5
I-3
I-4
I-2
I-1
SED-38
SED-80
SL-08
SL-12
SL-07
TP04
SL-10
TP04
SL-05
GSS-14
TP13
J-5
J-4
J-3
TP20
J-1
J-2
SK-06
SK-07
SK-08
SK-11
PBSS-04
DSS-24
SS-04
S17
ESS-02
K-5
K-4
SED-37
SED-61
SED-60
S5
MW-8
S18
K-3
K-2
K-1
SJ-07
SJ-10
SJ-12
TP03
CSS-96
CSS-95
L-5
SED-79
SED-62
TP14
L-4
L-3
TP23
TP19
L-1
L-2
MW-6
SH-07
SH-11
SS-11
SED-63
SED-64
SH-08
PBSS-03
SH-05
M-6
M-5
SED-19 ND (0'-0.25')
M-4
M-3
M-2
MW-2
SG-12
SED-78
M-1
SED-73
TP02
N-6
TP15
N-5
SED-66
SED-65
SS-05
N-4
SED-35
TP18
N-3
N-1
MW-3
N-2
SED-67
SED-05
SF-08
SF-07
SF-06
TP24
O-7
O-8
SED-68
GSS-13
O-6
SED-77
O-5
CSS-97 0.46 (0'-0.5')
CSS-98 0.45 (0'-0.5')
O-4
GSS-12
SED-69
SED-70
SED-04
SE-12
SED-18 ND (0'-0.25')
O-3
O-2
SE-07
CSS-99 0.60 (0'-0.5')
CSS-100 0.76 (0'-0.5')
SED-34
SED-72
O-1
TP01
GSS-11
GSS-08
SED-71 (<0.0431)
PBSS-02
SE-06
PBSS-01
P-11
P-9
S16
P-10
P-7
CSS-101
GSS-10
SED-03
SD-08
TP17
P-5
P-8
SD-13 ND (2')
SED-76 0.160 (0'-0.25')
S1
SS-06
P-3
P-4
P-6
GSS-09
P-2
SD-07
SED-02
TP25
P-1
Q-8
GSS-07
SS-10
DSS-14 (ND)
Q-7
S19
TP16
Q-6
Q-5
SB-08
SED-32/SED-33 0.12 (0'-0.25')
Q-4
S3
SS-08
SS-09
S2
S4
Q-3
Q-2
SA-07 ND (2')
SED-01
Q-1
SB-06 0.32 (2')
DSS-15 (ND)
S-06 ND (1')
SED-75
SED-74
DSS-20
SED-3 ND
SA-01 ND (1')
SED-17 ND (0'-0.25')
CSS-51
CSS-50
CSS-52 0.57 (0'-0.5')
CSS-45
CSS-47
CSS-55 0.34 (0'-0.5')
CSS-54 0.17 (0'-0.5')
CSS-60
CSS-62
CSS-56 0.15 (0'-0.5')
CSS-57 0.34 (0'-0.5')
CSS-58 0.45 (0'-0.5')
CSS-59 0.38 (0'-0.5')
CSS-48
CSS-63 0.51 (0'-0.5')
GSS-05
GSS-06
GSS-04
GSS-03
GSS-02
GSS-01
CSS-102 1.86 (0'-0.5')
CSS-01 0.06 (0'-0.5')
DSS-18 (0.0205)
CSS-02 0.09 (0'-0.5')
SED-20 ND (0'-0.25')
DSS-19 (ND)
CSS-03 0.12 (0'-0.5')
CSS-04 0.11 (0'-0.5')
CSS-05 0.12 (0'-0.5')
CSS-06 0.03 (0'-0.5')
CSS-07 0.04 (0'-0.5')
CSS-08 ND (0'-0.5')
CSS-09 0.11 (0'-0.5')
CSS-10 0.06 (0'-0.5')
CSS-11 0.06 (0'-0.5')
CSS-12 0.06 (0'-0.5')
CSS-13 0.08 (0'-0.5')
CSS-14 0.07 (0'-0.5')
CSS-15 0.07 (0'-0.5')
SED-18 ND (0'-0.25')
SED-69
SED-70
SED-04
SED-72
SED-71 (<0.0431)
SED-03
SED-76 0.160 (0'-0.25')
S1
SS-06
SED-02
TP25
SED-32/SED-33 0.12 (0'-0.25')
S3
SED-01
S2
S4
Q-3
Q-2
Q-1
SED-75
SED-74
DSS-20
SED-3 ND
SA-01 ND (1')
SED-17 ND (0'-0.25')
SB-06 0.32 (2')
S-06 ND (1')
SS-08
SS-09
SA-07 ND (2')
SED-38
SED-80
DSS-18 (0.0205)
SED-20 ND (0'-0.25')
DSS-19 (ND)
DSS-24
SS-04
ESS-02
SED-37
SED-61
SED-60
S5
MW-8
S18
K-1
K-2
K-3
K-4
SJ-07
SED-79
SED-62
TP23
TP19
L-1
L-2
MW-6
SH-07
SED-63
SED-64
SH-08
PBSS-03
SH-05
SED-19 ND (0'-0.25')
M-5
M-4
M-3
M-2
MW-2
M-1
SED-78
SED-73
TP02
N-6
TP15
N-5
N-4
SED-66
SED-65
SS-05
SED-35
TP18
N-3
N-1
MW-3
N-2
SED-67
SED-05
SF-08
SF-07
SF-06
TP24
O-7
O-8
SED-68
GSS-13
O-6
SED-77
O-5
CSS-97 0.46 (0'-0.5')
CSS-98 0.45 (0'-0.5')
O-4
GSS-12
SED-69
SED-70
SED-04
SE-12
SED-18 ND (0'-0.25')
O-3
O-2
SE-07
CSS-99 0.60 (0'-0.5')
CSS-100 0.76 (0'-0.5')
SED-34
SED-72
O-1
TP01
GSS-11
GSS-08
SED-71 (<0.0431)
PBSS-02
SE-06
PBSS-01
P-11
P-9
S16
P-10
P-7
CSS-101
GSS-10
SED-03
SD-08
TP17
P-5
P-8
SD-13 ND (2')
P-3
P-4
P-6
GSS-09
P-2
SD-07
P-1
Q-8
GSS-07
SS-10
DSS-14 (ND)
Q-7
S19
TP16
Q-6
Q-5
SB-08
SED-32/SED-33 0.12 (0'-0.25')
Q-4
S3
SS-08
SS-09
S2
S4
Q-3
Q-2
SA-07 ND (2')
SED-01
Q-1
SB-06 0.32 (2')
DSS-15 (ND)
S-06 ND (1')
SED-75
SED-74
DSS-20
SED-3 ND
SA-01 ND (1')
SED-17 ND (0'-0.25')
CSS-51
CSS-50
CSS-52 0.57 (0'-0.5')
CSS-45
CSS-47
CSS-55 0.34 (0'-0.5')
CSS-54 0.17 (0'-0.5')
CSS-60
CSS-62
CSS-56 0.15 (0'-0.5')
CSS-57 0.34 (0'-0.5')
CSS-58 0.45 (0'-0.5')
CSS-59 0.38 (0'-0.5')
CSS-48
CSS-63 0.51 (0'-0.5')
GSS-05
GSS-06
GSS-04
GSS-03
GSS-02
GSS-01
CSS-102 1.86 (0'-0.5')
Legend
0.32 (2') Total PCB Concentration (mg/Kg) and Sample Depth (feet)
(4.06) Screening Result (mg/Kg)
Removed Sediment Sample Location
Removed Soil Boring Location
Removed Test Pit Location
Sediment Sample Location
Soil Boring Location
Test Pit Location
Well Location
Existing Building
Water
Tax Parcel
Diamond State Salvage Property Boundary
Excavation Depth
1 foot
2 feet
3 feet
4 feet
5 feet
Note: Samples in gray indicate that no sample was collected or the sample was not analyzed for PCBs
BrightFields, Inc.
Environmental Evaluation Investigation, and Remediation
801 Industrial Street, Suite 1
Wilmington, Delaware 19801
302-656-9600
302-656-9700 fax
Estimated PCB Distribution in Surface Soil (0'-2' bgs)
Diamond State Salvage
Wilmington, Delaware
By Date
Drawn SMD 2/6/09
Checked JPR 2/6/09
Project # 0985.26.51
Scale: 1:540
File Name: DSS 0-2.mxd
Fig. No. Figure 2
0 22.5 45 Feet
N:\Aerials and maps\Working GIS Files (Do Not Edit)\51 General Consulting\0985.26.51- PCB Mass Loading\Diamond State Salvage\mxds\DSS_0-2.mxd



N:\Aerials and maps\Working GIS Files (Do Not Edit)\51 General Consulting\0985.26.51- PCB Mass Loading\Diamond State Salvage\mxds\DSS_gw dis.mxd