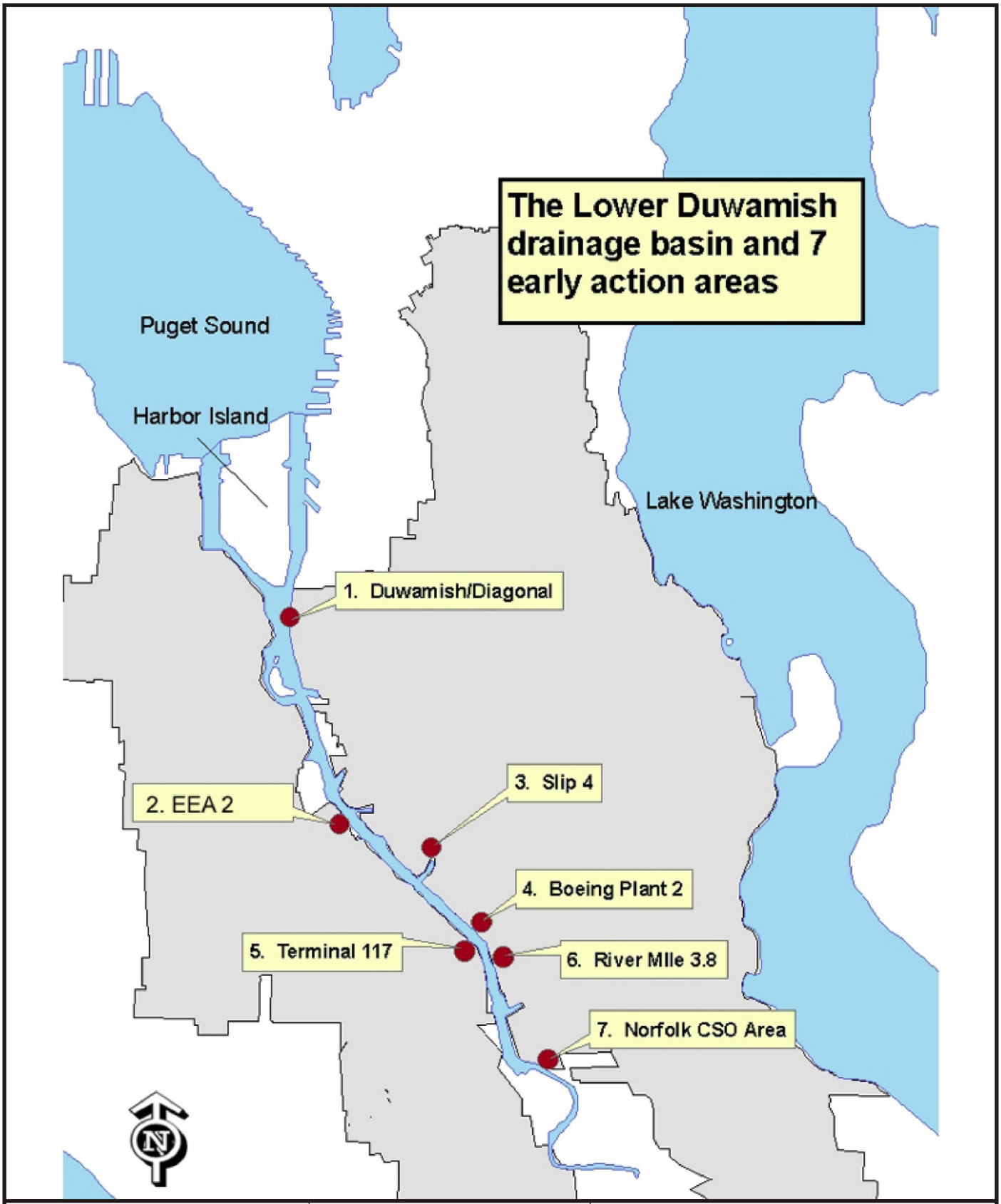
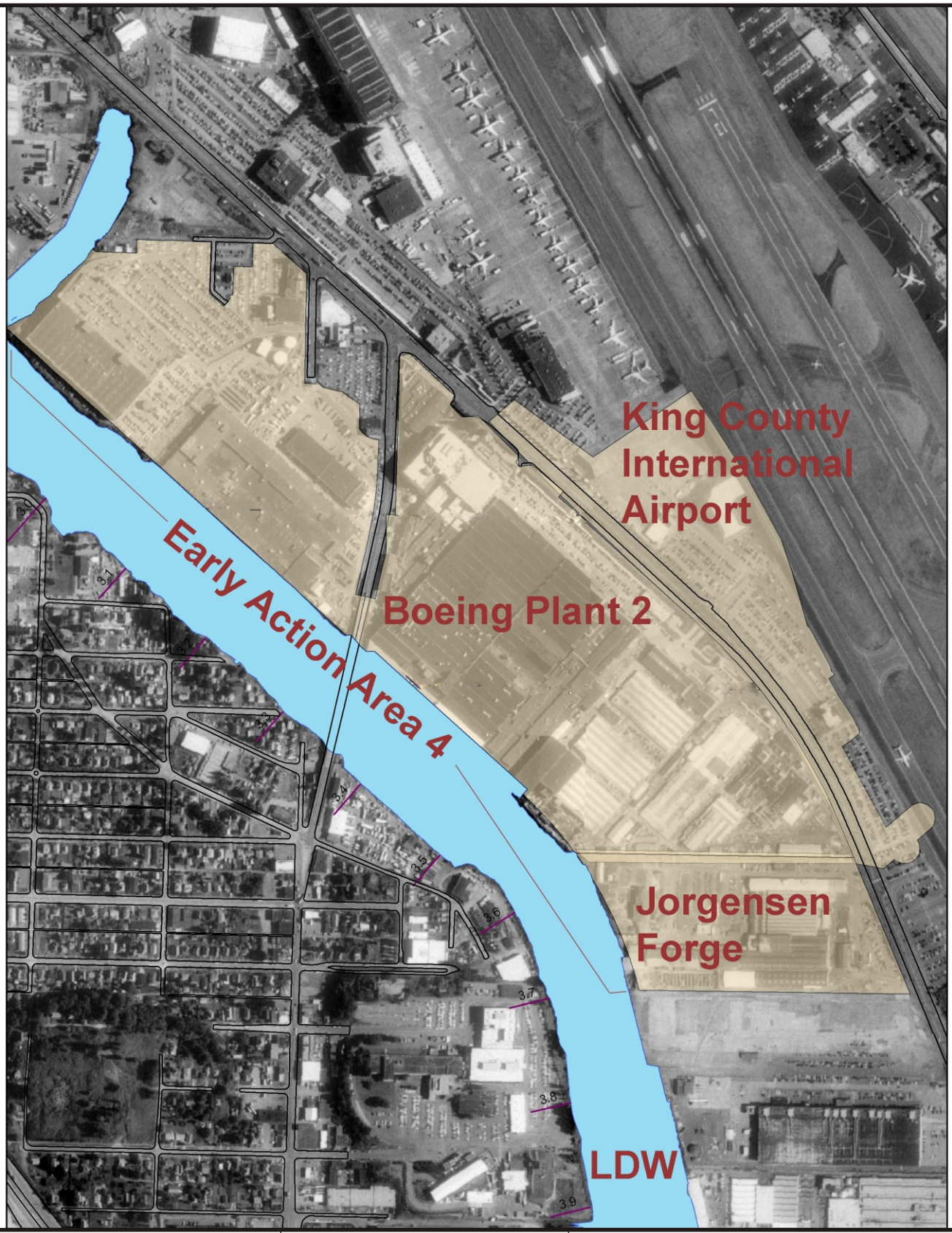


ecology and environment, inc. International Specialists in the Environment Seattle, Washington	LOWER DUWAMISH WATERWAY EARLY ACTION AREA 4 Seattle, Washington	Figure 1 LOWER DUWAMISH WATERWAY EARLY ACTION AREAS		
	Base Map Reference: Ecology 2006.	Date: 4-13-07	Drawn by: AES	10:002330WD0702\fig 1



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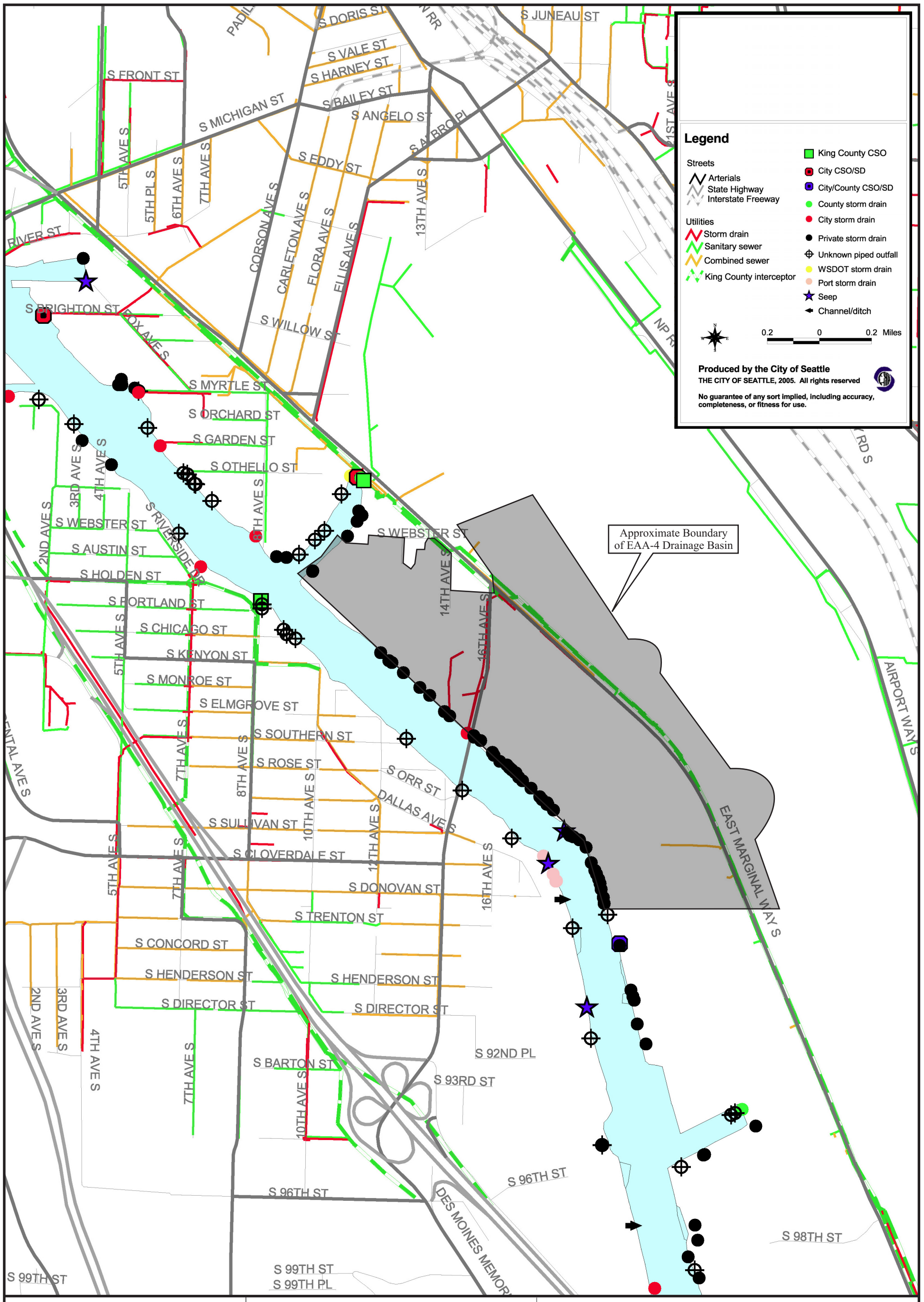
International Specialists in the Environment
Seattle, Washington

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle, Washington

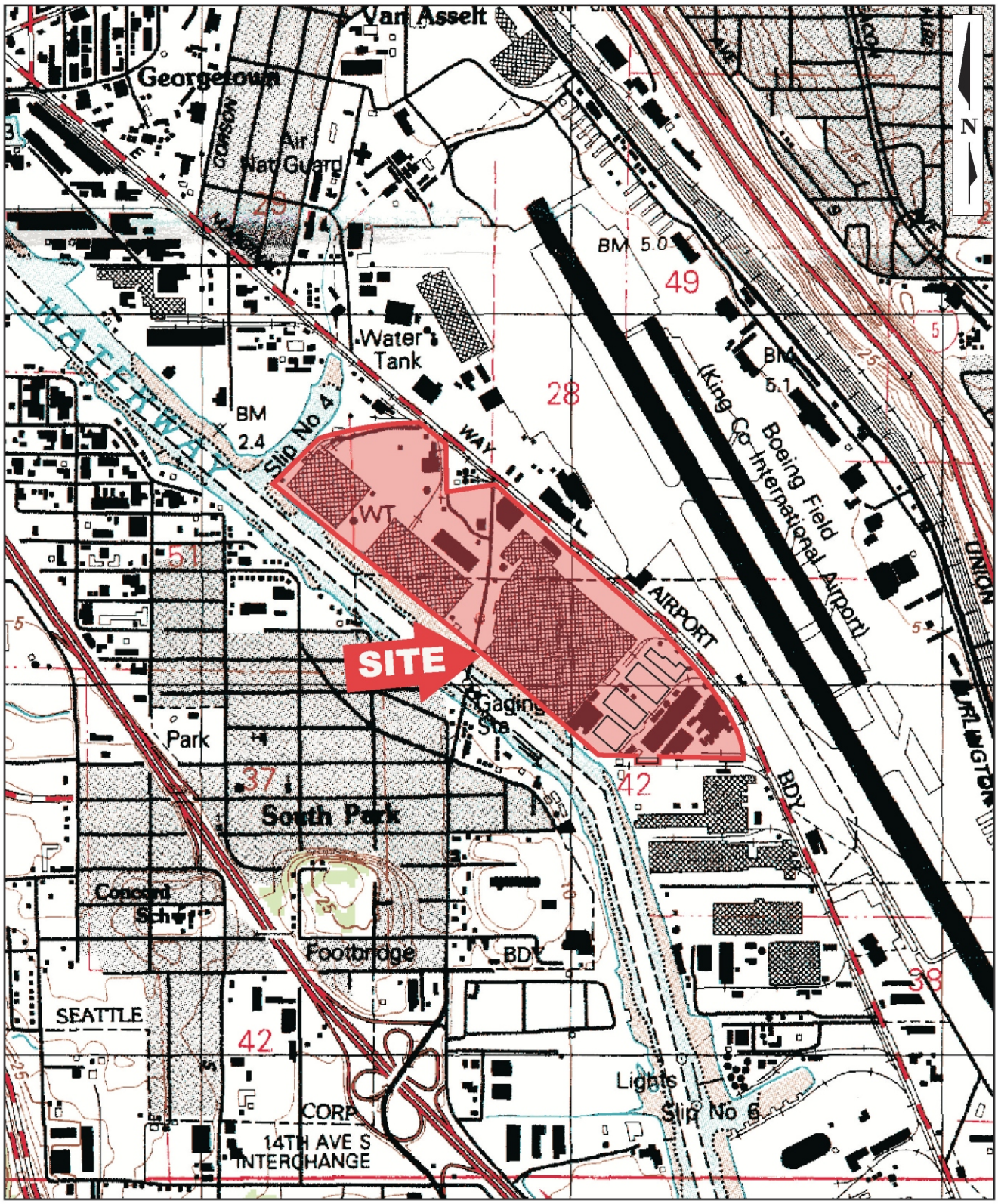
Figure 2
EAA 4 DRAINAGE BASIN AND
POTENTIAL SOURCES OF CONTAMINATION

Base Map Reference: Boeing, March 2006.

Date: 6-22-07 | Drawn by: AES | 10:002330WD0702\fig 2



ecology and environment, inc. International Specialists in the Environment Seattle, Washington	LOWER DUWAMISH WATERWAY EARLY ACTION AREA 4 Seattle/Tukwila, Washington	Figure 3 OUTFALLS IN THE LOWER DUWAMISH WATERWAY	
	Base Map Reference: The City of Seattle 2005.	Date: 5/23/07	Drawn by: AES
		10:002330WD0702\fig 3	



ecology and environment, inc. International Specialists in the Environment Seattle, Washington	LOWER DUWAMISH WATERWAY EARLY ACTION AREA 4 Seattle/Tukwila, Washington	Figure 4 BOEING PLANT 2 FACILITY MAP		
	Base Map Reference: Golder Associates, 2006.	Date: 2-23-07	Drawn by: AES	10:002330WD0702\fig 4

Source: Floyd Snider McCarthy, Inc (06/23/04)

ecology and environment, inc. International Specialists in the Environment Seattle, Washington	LOWER DUWAMISH WATERWAY EARLY ACTION AREA 4 Seattle/Tukwila, Washington	Figure 5 BOEING PLANT 2 FACILITY 7 CORRECTIVE MEASURE STUDY AREAS		
	Base Map Reference: Golder Associates, 2005.	Date: 2/23/07	Drawn by: AES	10:002330WD0702\fig 5

East Marginal Way

2-61

Bldg 2-85

Bldg 2-80

Bldg 2-81

Bldg 2-83

Bldg 2-83

Bldg 2-84

Bldg 2-88

Bldg 2-126

Bldg 2-117

8 SWMU 79.C
Cistern 5

7 SWMU 79.B
Cistern 4

6 SWMU 79.A
Cistern 1, 2, 3

9 SWMU 2-87.65
Machine Pit

4 AOC 2-84.62
Machine Pit

18 OA 10
Former UST PL-20

SWMU 78.B
Oil/Water Separator

3

10 OA16
Central Waste Storage Area
(SWMU 2-104.71)

1

15 SWMU 2-89.68
Reclamation Yard

17 AOC 2-86.63
Wet Paint Booth

14 SWMU 2-80.57
Generator Sump

5 OA 3
Former UST PL-23

13 SWMU 2-80.56
Sink Sump

11 SWMU 2-78.1
Oil/Water Separator

16 AOC 2-80.58
Deactivated Sump

2 SWMU 2-91.70
Deactivated Waste Oil and Coolant Storage Area

2-108 Slab

AOC 108.73
Paint Booth Sump

12 SWMU 78.5
Oil/Water Seperator

AOC 108.72
Wet Paint Booth

OA 11
Building 2-72 Area

Jorgensen Forge

N

Feet
0 100 200
1 inch = 100 feet

Legend

- RCRA UNITS IN REMEDY SELECTION PHASE
- NFA REQUESTED
- NFA APPROVED
- SITE AREA
- SITE BOUNDARY
- DEMOLISHED BUILDINGS

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Seattle, Washington

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

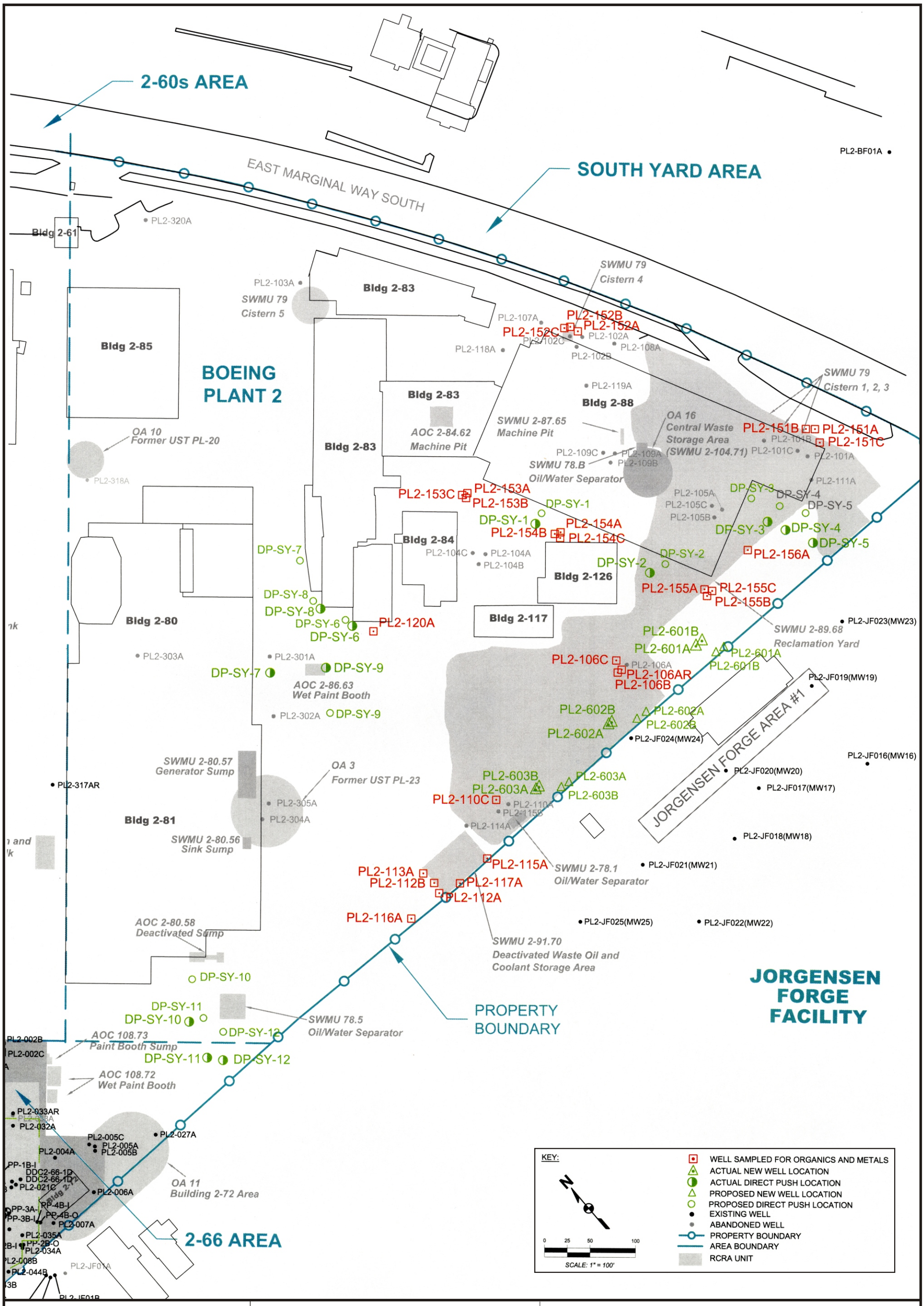
Figure 6
BOEING PLANT 2 FACILITY
SOUTH YARD RCRA UNITS

Base Map Reference: Floyd/Snider 2005.

Date: 2/23/07

Drawn by: AES

10:002330WD0702\fig 6



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Seattle, Washington

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 7
BOEING PLANT 2 FACILITY
SOUTH YARD AREA SAMPLING LOCATIONS

Base Map Reference: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Date: 2/23/07

Drawn by: AES

10:002330WD0702\fig 7

KEY:

- MONITORING WELL WITH DATALOGGERS (GROUNDWATER ELEVATION IN FT. NGVD '29)
- MONITORING WELL WITH LNAPL
- GROUNDWATER ELEVATION CONTOURS (FT NGVD '29)
- GROUNDWATER FLOW DIRECTION
- PROPERTY BOUNDARY
- AREA BOUNDARY
- * ANOMALOUS VALUE, SEE REPORT TEXT

N

0 35 70 140

SCALE: 1" = 140'

2-60s AREA

EAST MARGINAL WAY SOUTH

SOUTH YARD AREA

Bldg 2-83

Bldg 2-85

Bldg 2-83

Bldg 2-88

Bldg 2-83

Bldg 2-84

Bldg 2-126

Bldg 2-117

Bldg 2-80

Bldg 2-81

BOEING PLANT 2 FACILITY

2-60s AREA

SOUTH YARD AREA

2-66 AREA

JORGENSEN FORGE FACILITY

2-66 SHEET PILES

Former Bldg P-7Z

DUWAMISH WATERWAY

PL2-152A (3.85)

PL2-151A (3.70)

PL2-153A (3.47)

PL2-154A (3.43)

PL2-155A (3.59)

PL2-120A (3.23)

PL2-106AR (3.40)

PL2-JF023 (3.60)

PL2-JF008 (3.57)

PL2-JF024 (3.21)

PL2-JF015 (6.48)*

MW-16 (LNAPL)

PL2-115A (3.04)

PL2-JF025 (2.96)

MW-27 (LNAPL)

PL2-116A (2.76)

PL2-JF031 (2.98)

PL2-JF036 (3.14)

PL2-027A (2.58)

PP-3A-I (2.14)*

PL2-007A (1.75)

PL2-017A (2.39)*

PL2-034A (2.02)*

PL2-41AA (2.72)*

PL2-JF02A (1.55)

PL2-JF006 (4.09)*

PL2-JF03A (1.64)

3.8 3.7 3.6 3.5 3.4 3.3 3.2 3.1 3.0 2.9 2.8

ecology and environment, inc. International Specialists in the Environment Seattle, Washington	LOWER DUWAMISH WATERWAY EARLY ACTION AREA 4 Seattle/Tukwila, Washington	Figure 8 BOEING PLANT 2 MEAN GROUNDWATER ELEVATION, SOUTH YARD AREA FEBRUARY 1, 2005 TO FEBRUARY 4, 2005		
	Base Map Reference: Environmental Partners, Inc.; Golder Associates, Inc. 2006.	Date: 4/13/07	Drawn by: AES	10:002330WD0702\fig 8

KEY:

- WELL SAMPLED FOR ORGANICS AND METALS
- ACTUAL NEW WELL LOCATION
- ACTUAL DIRECT PUSH LOCATION
- PROPOSED NEW WELL LOCATION
- PROPOSED DIRECT PUSH LOCATION
- EXISTING WELL
- ABANDONED WELL
- PROPERTY BOUNDARY
- AREA BOUNDARY
- RCRA UNIT

0 25 50 100

SCALE: 1" = 100'

PROPERTY BOUNDARY

EAST MARGINAL WAY SOUTH

2-60s AREA

PL2-319A

Bldg 2-45

Bldg 2-47

Bldg 2-57

PL2-320A

2-60-DP-1 2-60-DP-2 2-60-DP-3

2-60-DP-1 2-60-DP-2 2-60-DP-3

AOC 2-62.45
Paint Booths and Sumps

PL2-326A PL2-326B
Former Bldg 2-62

SWMU 2-62.43
Tank Line

AOC 2-62.46
Paint Booth Sump

2-60-DP-18 2-60-DP-18 2-60-DP-20 2-60-DP-20

2-60-DP-19 SUMP SPL-062-009

2-60-DP-19

PL2-316C PL2-316A PL2-316B

PL2-314A

SWMU 77A
PCB Retention Tanks

Bldg 2-85

OA 10
Former UST PL-20

PL2-318A

(APPROXIMATE LOCATIONS)

AST PLA-51

AST PLA-50

PL2-312A

UST PL-38

UST PL-37

UST PL-59

AST PLA-35

Former Bldg 2-63

OA 12
Building 2-63 Area

AST APL-149

SUMPS SPL-044-009,010,011

2-60-DP-17 2-60-DP-17

OA 21
Building 2-44 Machine Shop Area

SUMPS SPL-044-014,015

PL2-327B PL2-327A

PL2-328B PL2-328A

SUMPS SPL-063-006 → SPL-063-008

2-60-DP-4 2-60-DP-5 2-60-DP-6 2-60-DP-7 2-60-DP-8 2-60-DP-9

2-60-DP-5 2-60-DP-6 2-60-DP-7 2-60-DP-8 2-60-DP-9

SUMP SPL-044-030

2-60-DP-21 2-60-DP-21

OA17
Transformer Vaults

SWMU 2-64.48
Underground Waste Tank

SWMU 2-64.49
Air Compressor Building Sump and Accumulation Area

SWMU 2-63.47
Dilute Chrome Tank

2-60-DP-22

2-40s AREA

Bldg 2-48

AST APL-305

Bldg 2-64

SWMU 77.B
PCB Retention Tank

PL2-315A PL2-315B

2-60-DP-22

2-60-DP-23

PL2-331B

SOUTH YARD AREA

Bldg 2-80

PL2-303A

SWMU 2-78.6
Oil/Water Separator

PL2-329B PL2-329A

PL2-330A PL2-331A

SWMU 78.C
Oil/Water Separator

PL2-330B

PL2-317AR

SWMU 2-80.57
Generator Sump

OA 13
Building 2-44 Steam Drain

PL2-605A PL2-606A PL2-606A PL2-605A PL2-311A

SWMU 2-65.50
Machine Pit

Former Bldg 2-65

2-60-DP-24

SWMU 2-70.55
East Steam Clean and Underground Bulk Storage Tank

Bldg 2-81

SWMU 2-80.56
Sink Sump

Bldg 2-44

PL2-317A

PL2-310A

2-60-DP-11

PL2-604A PL2-604A

2-60-DP-10 2-60-DP-10 2-60-DP-11 2-60-DP-12 2-60-DP-12 2-60-DP-13 2-60-DP-14 2-60-DP-14 2-60-DP-15 2-60-DP-16 2-60-DP-16

OA 9
Former USTs PL-16,17,18

Bldg 2-51

AOC 2-80.58
Deactivated Sump

PL2-332A

PL2-321A

SUMP SPL-049-006

PL2-325B PL2-325A

AST PLA-12

2-60-DP-26

SUMP SPL-049-009

OA 14 2-60-DP-26
Building 2-49 Machine Pits

2-60-DP-25 2-60-DP-25

Former Bldg 2-66

BOEING PLANT 2

PL2-039A

OA17
Transformer Vaults

AOC 2-66.52
Machine Pit

PL2-002A PL2-002B PL2-002C

AOC 108.72
Paint Booth Sump

PL2-022A

AOC 108.72
Wet Paint Booth

OA17
Transformer Vaults

Bldg 2-49

PL2-023A PL2-025A PL2-033AR PL2-033A PL2-018A PL2-032A PL2-027A

PL2-425A

AOC 2-66.53
TCE Degreaser

PL2-028B PL2-028A PL2-024A PL2-020A PL2-019A PL2-005C PL2-005A PL2-005B

PL2-026B PL2-004A

PL2-026A PL2-026C

PP-1B-O PP-1B-I

PL2-011A PL2-021A PL2-021B DDC2-66-1B DDC2-66-1D PL2-021C

OA 11
Building 2-72 Area

PL2-006A

PL2-012A

PP-5B-O PP-5B-I PP-3C-I PP-3A-I PP-4B-I PP-4B-O

2-66 AREA

PL2-017A PP-3B-I PL2-007A

OA22
Outfall #14 Area

PL2-038A

PL2-036AR

PL2-13AR PL2-009B PL2-009A PL2-009C DDC2-66-2D DDC2-66-2S PL2-035A

PP-2B-I PP-2B-O PL2-034A

JORGENSEN FORGE FACILITY

PL2-015AR

Bldg 2-50

PL2-008C PL2-005B PL2-044B

PL2-JF01A

PL2-036A PL2-037A PL2-015B PL2-015A

PL2-031A PL2-030A PL2-043B PL2-JF01B

PL2-JF-01C

PL2-029A PL2-030C PL2-JF01AR

PL2-014A PL2-013A

OA19
Outfall #12 and Building 2-49 Stretch Press Pit

DUWAMISH WATERWAY

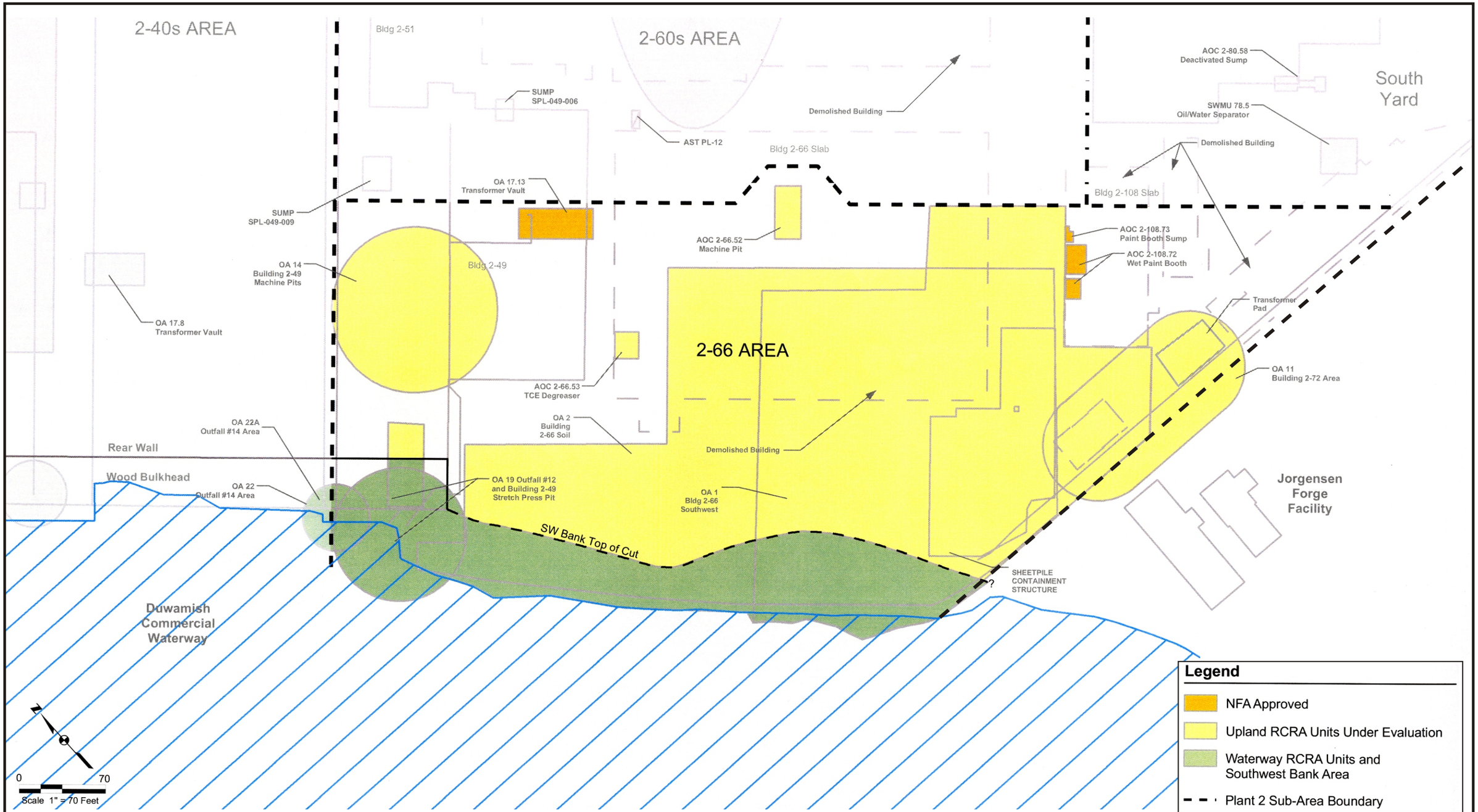
OA 2
Building 2-66 Soil

SHEETPILE CONTAINMENT STRUCTURE

OA 1
Building 2-66 Southwest

PL2-JF02A

ecology and environment, inc. International Specialists in the Environment Seattle, Washington	LOWER DUWAMISH WATERWAY EARLY ACTION AREA 4 Seattle/Tukwila, Washington	Figure 9 BOEING PLANT 2 FACILITY 2-60S AREA PROPOSED SAMPLING LOCATIONS	
	Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.	Date: 2/23/07	Drawn by: AES	10:002330WD0702\fig 9



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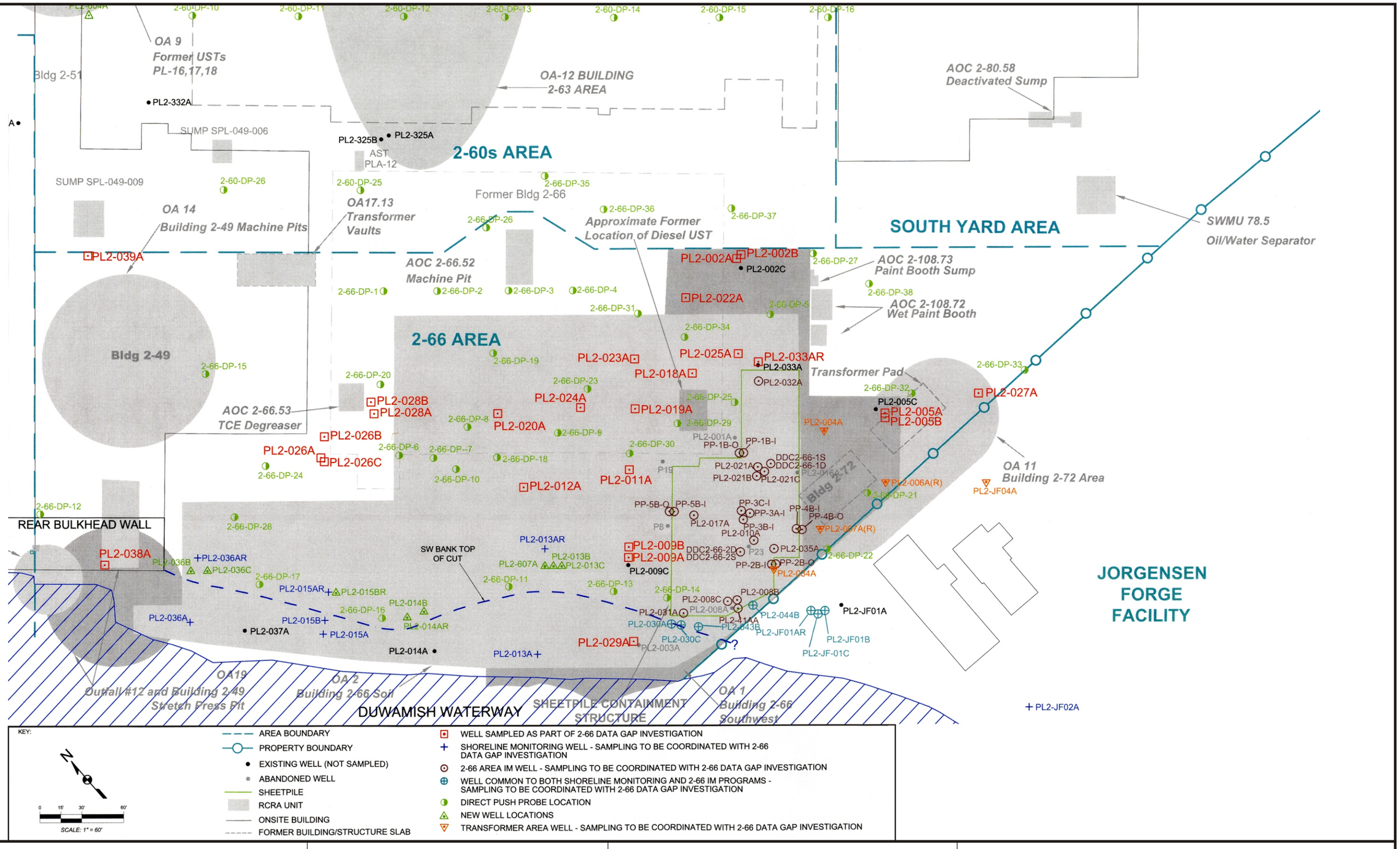
Seattle, Washington

Base Map Reference: Environmental Partners, Inc.; Golder Associates, Inc. 2006

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 10
BOEING PLANT 2 FACILITY
2-66 AREA RCRA UNITS

Date:	Drawn by:	
4/5/07	AES	10:002330WD0702\fig 10



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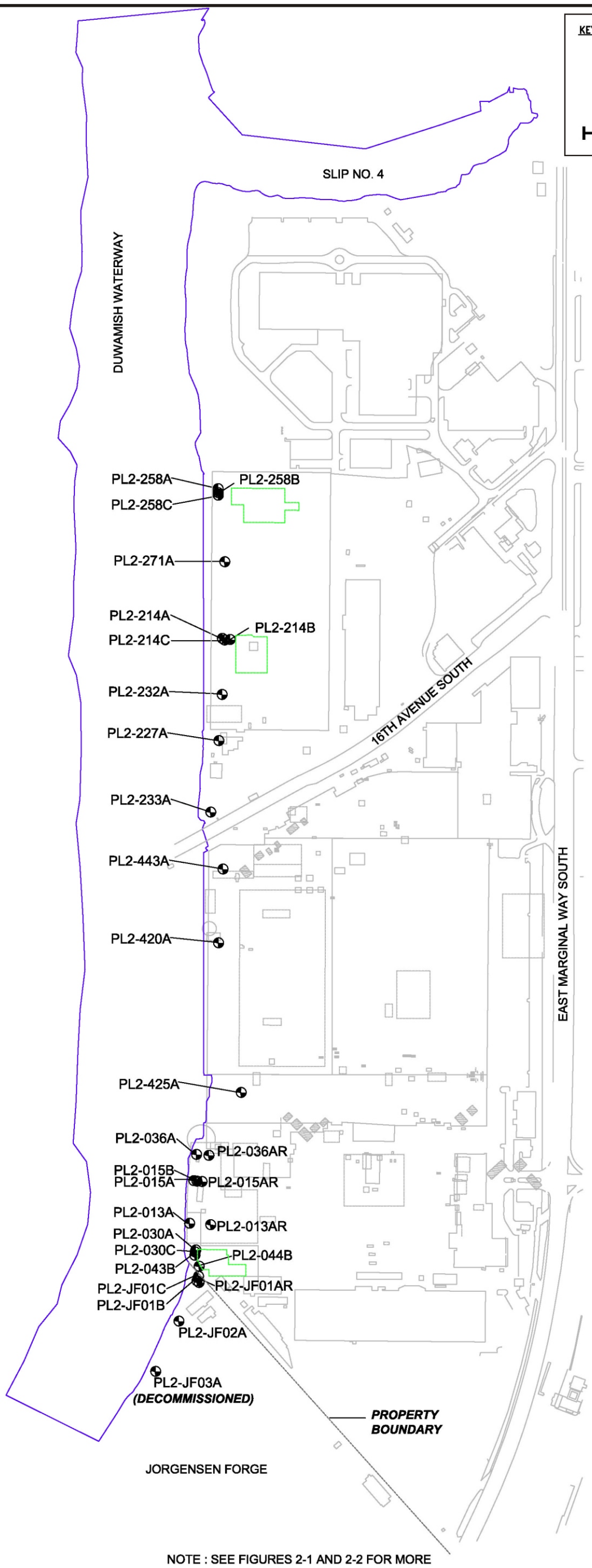
Seattle, Washington

Base Map Reference: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 11
BOEING PLANT 2 FACILITY
2-66 AREA PROPOSED SAMPLING LOCATIONS

Date:	Drawn by:	
4/5/07	AES	10:002330WD0702\fig 11



NOTE : SEE FIGURES 2-1 AND 2-2 FOR MORE DETAILED WELL LOCATION MAPS

PLANT 2 RCRA CORRECTIVE ACTION
SHORELINE MONITORING SCHEDULE

Well Designation	Laboratory Analysis					
	Volatile Organic Compounds			PP Metals		PCB
	Quarterly	Semi-Annually	Annually	Quarterly	Annually	Quarterly
PL2 -013A	X			X		
PL2 -013AR	X			X		
PL2 -015A	X			X		
PL2-015AR	X			X		
PL2-015B	X			X		
PL2-030A	X			X		
PL2-030C	X				X	
PL2-036A		X		X		X
PL2-036AR		X		X		X
PL2-043B	X			X		
PL2-044B	X				X	
PL2-214A	X			X		
PL2-214B	X			X		
PL2-214C		X			X	
PL2-227A			X	X		
PL2-232A		X		X		
PL2-233A		X		X		
PL2-258A	X			X		
PL2-258B	X			X		
PL2-258C		X			X	
PL2-271A		X		X		
PL2-420A	X				X	
PL2-425A		X		X		
PL2-443A	X			X		
PL2-JF01AR	X			X		
PL2-JF01B	X			X		
PL2-JF01C		X			X	
PL2-JF02A	X			X		

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LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 12
BOEING PLANT 2 FACILITY
SHORELINE MONITORING WELL LOCATIONS

Base Map Reference:
Environmental Partners, Inc. 2006.

Date: 4/5/07

Drawn by: AES

10:002330WD0702\fig 12

East Marginal Way South

Bldg 2-45

UST PL-15

OA 18 Building
2-40 East Parking
Lot Area

Bldg 2-25

AST PLA-49 AST PLA-51
AST PLA-50

OA 7 Building
2-40 Soil

2-40s AREA

OA 21 Building 2-44
Machine Shop Area

AST PLA-149

SUMP
SPL-044-029

SUMP
SPL-044-014, 015

SUMPS SPL-044-009,
010, 011

2-31
AREA

Bldg 2-40

2-60s
AREA

AST PLA-34
AST PLA-59

SUMP
SPL-044-030

AST PLA-134

SUMPS SPL-044-018,
024, 025, 027, 028

OA 17.5
Transformer
Vault

OA 17.6
Transformer
Vault

AST PLA-60

Bldg 2-31

Bldg 2-48

Bldg 2-64

Sumps SPL-040-019 thru
SPL-040-030

Sumps SPL 040-031 thru
SPL-040-039

OA 13 Building
2-44 Steam Drain

AST PLA-147

Emergency
Solvent
Dump Tank

AST PLA -32

SWMU 2-41.31
Machine Pits

AST

AST PLA-148

AOC 2-41.32
Deactivated Paint
Booths and Sump

Sumps SPL-041-152
SPL-041-152

AST PLA-41

Bldg 2-51

UST PLA-29

Bldg 2-44

AST PLA-43

SWMU 2-41.33
Deactivated/Anodic
Tank/Line

OA 17.7
Transformer
Vault

SUMP
SPL-041-251

AST PLA-44

OA 17.2
Transformer Vault

SWMU 2-41.34
Tunnel Area

Bldg 2-49

2-66
AREA

UST PL-55

OA 17.8
Transformer
Vault

Sumps
SPL-041-160

SWMU 2-41.30
Manhole Vault

Concrete
Foundation

Bldg 2-41

Rear Bulkhead Wall

Valve Vault

Concrete
Foundation

SW Bank Top of Cut

AOC 2-41.29
TCE Degreaser

SWMU 2-41.36
Underflow/Flume

OA 20
Outfall #23 Area

OA 22B
Outfall #16 Area

OA 22 Outfall
#14 Area

SWMU 2-41.35
Quench Tanks

Duwamish
Water Way

N

0 160
Scale 1" = 160 Feet

LEGEND

- RCRA Unit Carried Through to Corrective Measures Study (CMS)
- NFA Approved RCRA Unit (Soil)
- RCRA Units Addressed Under DSOA
- Plant 2 Sub-Area Boundary

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Seattle, Washington

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

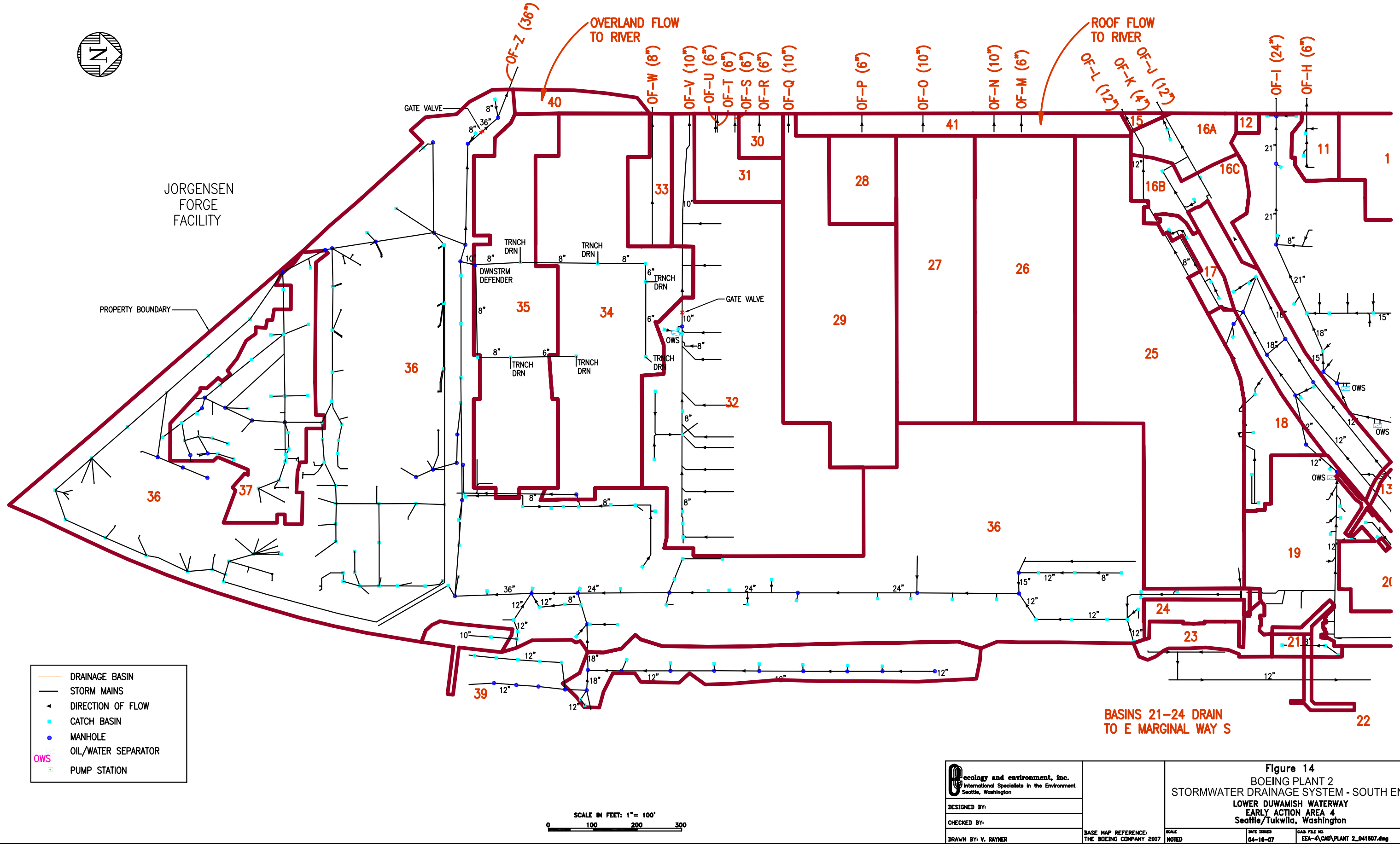
Figure 13
BOEING PLANT 2 FACILITY
2-40S AREA RCRA UNITS

Base Map Reference: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Date: 2/23/07

Drawn by: AES

10:002330WD0702\fig 13



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Seattle, Washington

DESIGNED BY:
CHECKED BY:
DRAWN BY: V. RAYNER

BASE MAP REFERENCE: THE BOEING COMPANY 2007

Figure 14
BOEING PLANT 2
STORMWATER DRAINAGE SYSTEM - SOUTH END
LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

SCALE	DATE ISSUED	CAD FILE NO.
NOTED	04-18-07	EEA-4\CAD\PLANT 2_041807.dwg

ROOF FLOW TO RIVER

OF-O (10")
OF-N (10")
OF-M (6")
OF-L (12")
OF-K (4")
OF-J (12")
OF-I (24")
OF-H (6")
OF-G (10")
OF-F (8")
OF-E (6")
OF-D (10")
OF-C (8")
OF-B (18")
OF-A (2-30")

GATE VALVE
BIOSWALE

41 27 26 25 36 16A 16B 16C 15 12 17 18 11 10 9 8 7 6 4 3 2 5 13 14 19 20 24 23 21 22

OWS
PUMP STA

BASINS 21-24 DRAIN TO E MARGINAL WAY S

SCALE IN FEET: 1"= 100'
0 100 200 300

- DRAINAGE BASIN
- STORM MAINS
- DIRECTION OF FLOW
- CATCH BASIN
- MANHOLE
- OIL/WATER SEPARATOR
- PUMP STATION

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International Specialists in the Environment
Seattle, Washington

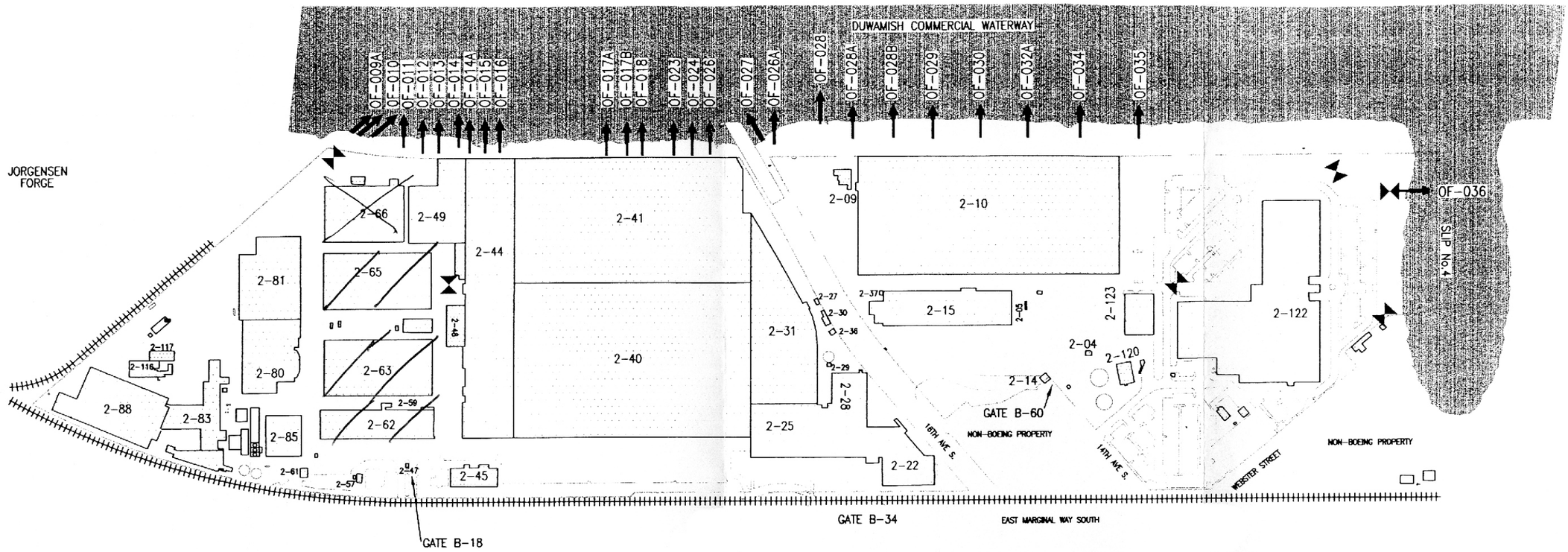
DESIGNED BY:
CHECKED BY:
DRAWN BY: V. RAYNER

BASE MAP REFERENCE: THE BOEING COMPANY 2007

SCALE: NOTED
DATE ISSUED: 02-16-07
CAD FILE NO.: EEA-4\CAD\PLANT 2_021607.dwg

Figure 15
BOEING PLANT 2
STORMWATER DRAINAGE SYSTEM - NORTH END
LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

BOEING COMMERCIAL AIRPLANE GROUP
PLANT 2



OUTFALL DIAMETERS

OF-9A	36"	OF-26	12"
OF-10	18"	OF-27	18"
OF-11	15"	OF-26A	4"
OF-12	8"	OF-28	24"
OF-13	2.5"	OF-28B	10"
OF-14	10"	OF-29	8"
OF-14A	6"	OF-30	6"
OF-15	6"	OF-32A	10"
OF-16	10"	OF-34	8"
OF-17B	6"	OF-35	18"
OF-18	10"	OF-36	30"
OF-23	6 PIPES	–	

LEGEND

RAILROAD TRACKS

BUILDINGS

STORM OUTFALL

GATE VALVE (SHUT OFF)

N

200' 0 200' 400'

SCALE IN FEET

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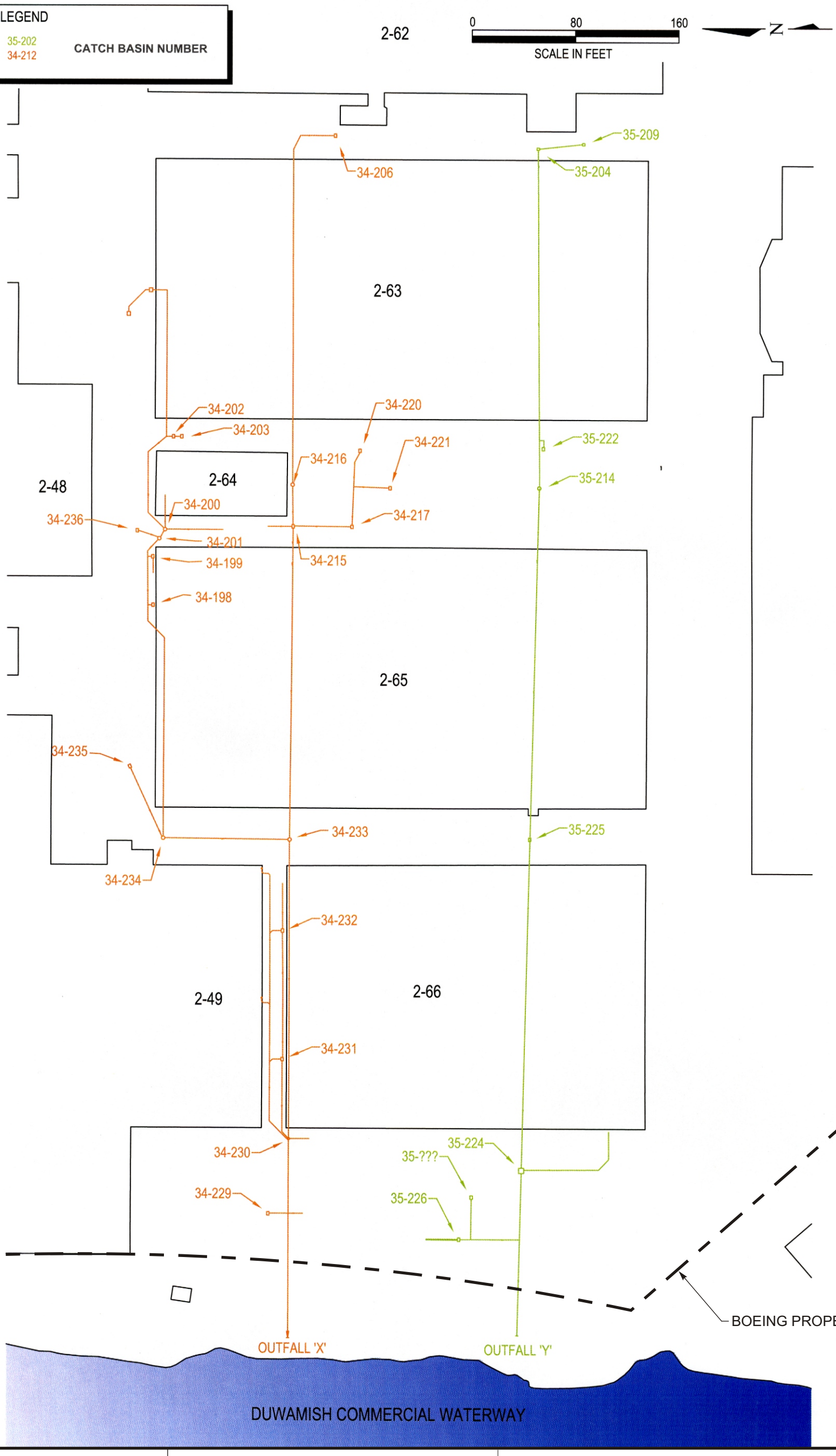
Base Map Reference: Boeing 2000.

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 16
BOEING PLANT 2 FACILITY
OUTFALLS WITH FORMER IDENTIFIERS

Date:	Drawn by:	
2/23/07	AES	10:002330WD0702\fig 16



ecology and environment, inc. International Specialists in the Environment Seattle, Washington	LOWER DUWAMISH WATERWAY EARLY ACTION AREA 4 Seattle/Tukwila, Washington	Figure 17 BOEING PLANT 2 FACILITY STORMWATER LINES X AND Y		
	Base Map Reference: Golder Associates, Inc. 2006.	Date: 5/23/07	Drawn by: AES	10:002330WD0702\fig 17

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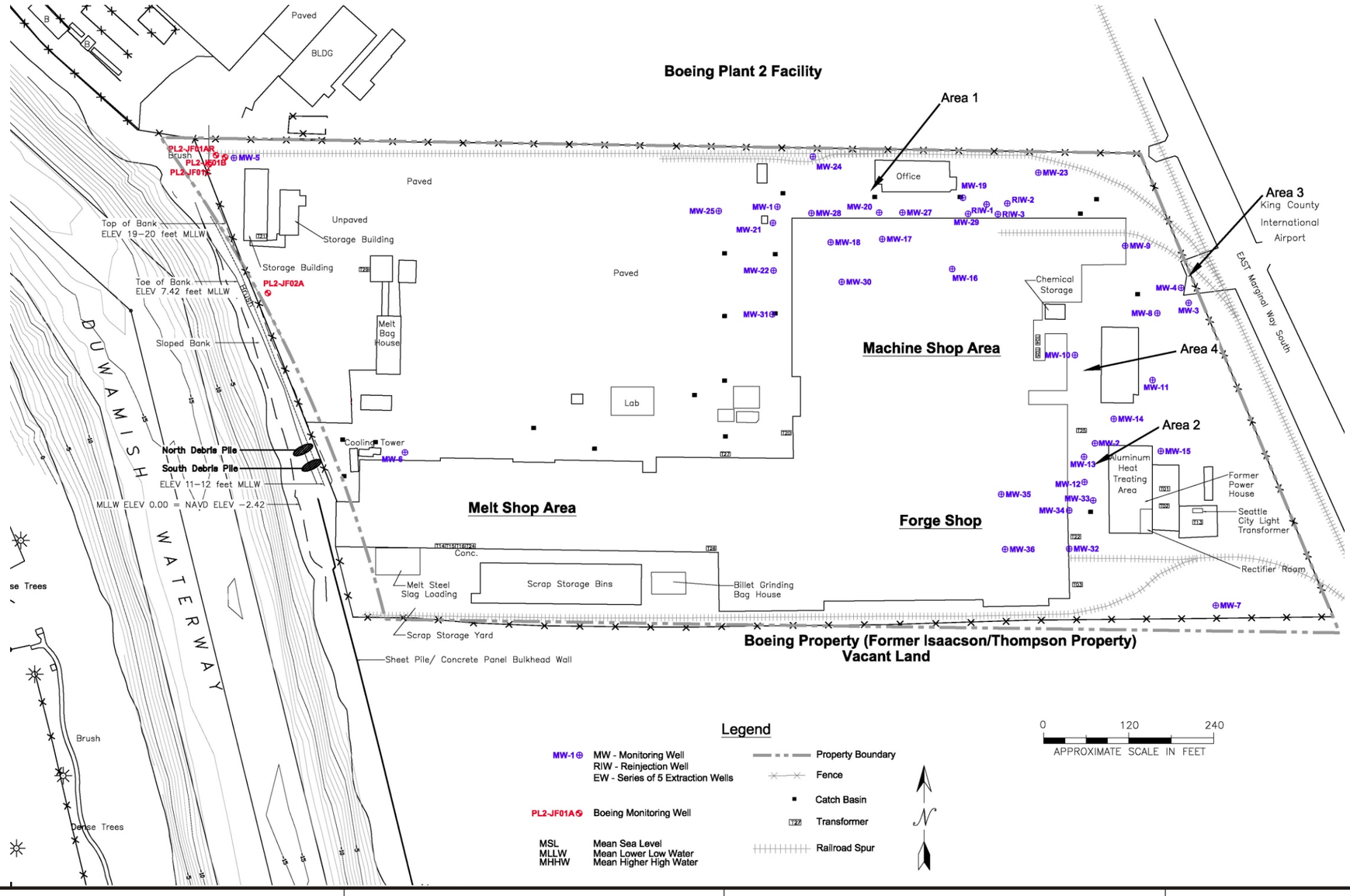
International Specialists in the Environment
Seattle, Washington

Base Map Reference: MCS Environmental, Inc. 2006.

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 18
BOEING PLANT 2 FACILITY
LOCATION OF DUWAMISH SEDIMENT OTHER AREA AND SOUTHWEST BANK CORRECTIVE MEASURE

Date:	Drawn by:	
2/23/07	AES	10:002330WD0702\fig 18



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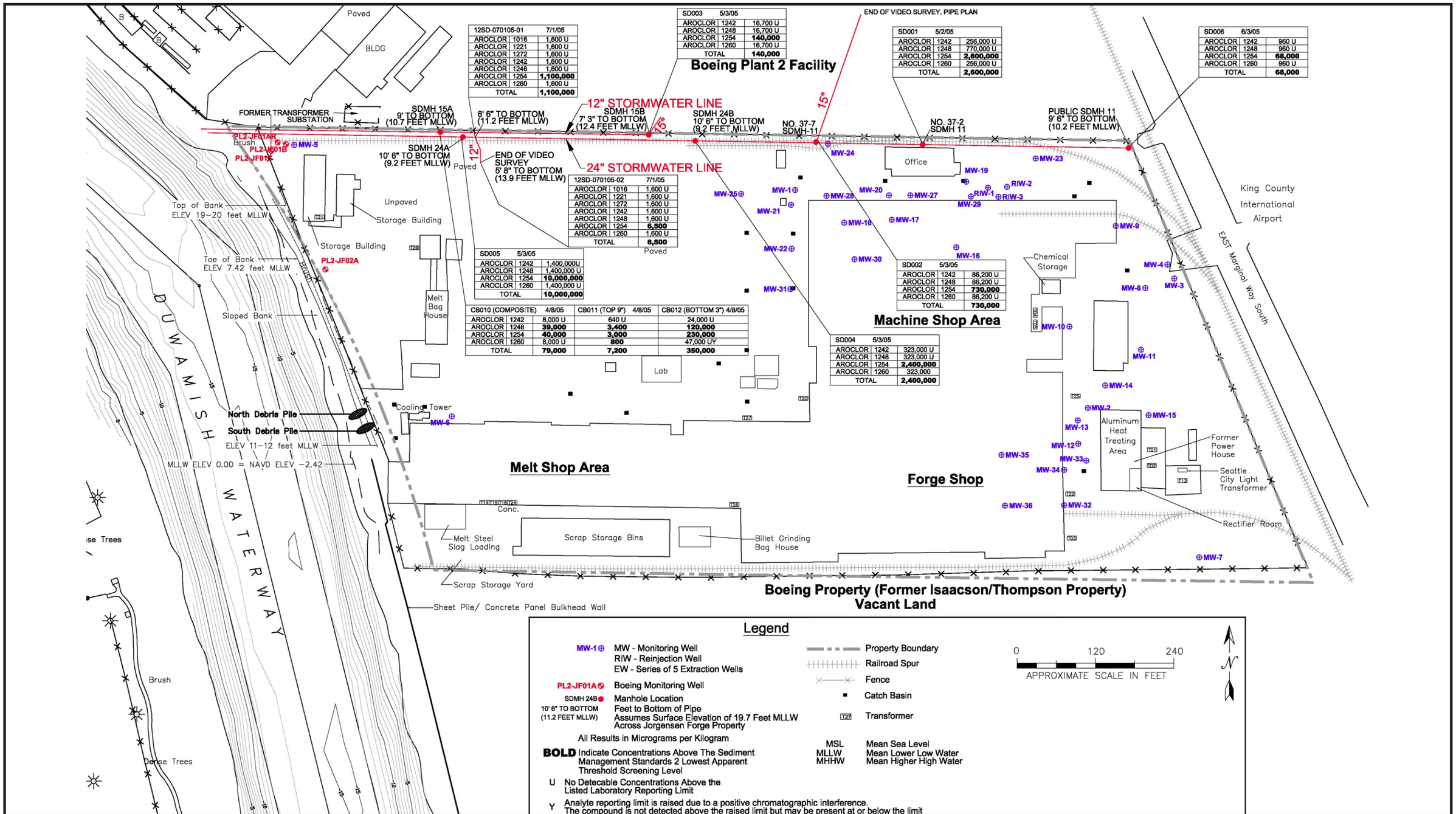
Base Map Reference: Farallon Consulting, L.L.C.; Anchor Environmental, L.L.C. 2005.

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 19
JORGENSEN FORGE FACILITY
SITE MAP

Date:	Drawn by:	
4/5/07	AES	10:002330WD0702\fig 19



12SD-070105-01	7/1/05
AROCLOR 1016	1,600 U
AROCLOR 1221	1,600 U
AROCLOR 1272	1,600 U
AROCLOR 1242	1,600 U
AROCLOR 1248	1,600 U
AROCLOR 1254	**1,100,000**
AROCLOR 1260	1,600 U
TOTAL	**1,100,000**

SD003	5/3/05
AROCLOR 1242	16,700 U
AROCLOR 1248	16,700 U
AROCLOR 1254	**140,000**
AROCLOR 1260	16,700 U
TOTAL	**140,000**

SD001	5/2/05
AROCLOR 1242	256,000 U
AROCLOR 1248	770,000 U
AROCLOR 1254	**2,600,000**
AROCLOR 1260	256,000 U
TOTAL	**2,600,000**

SD006	6/3/05
AROCLOR 1242	960 U
AROCLOR 1248	960 U
AROCLOR 1254	**68,000**
AROCLOR 1260	960 U
TOTAL	**68,000**

12SD-070105-02	7/1/05
AROCLOR 1016	1,600 U
AROCLOR 1221	1,600 U
AROCLOR 1272	1,600 U
AROCLOR 1242	1,600 U
AROCLOR 1248	1,600 U
AROCLOR 1254	**6,500**
AROCLOR 1260	1,600 U
TOTAL	**6,500**

SD005	5/3/05
AROCLOR 1242	1,400,000U
AROCLOR 1248	1,400,000 U
AROCLOR 1254	**10,000,000**
AROCLOR 1260	1,400,000 U
TOTAL	**10,000,000**

SD002	5/3/05
AROCLOR 1242	86,200 U
AROCLOR 1248	86,200 U
AROCLOR 1254	**730,000**
AROCLOR 1260	86,200 U
TOTAL	**730,000**

CB010 (COMPOSITE)	4/8/05	CB011 (TOP 9")	4/8/05	CB012 (BOTTOM 3")	4/8/05
AROCLOR 1242	8,000 U	640 U		24,000 U	
AROCLOR 1248	**39,000**	**3,400**		**120,000**	
AROCLOR 1254	**40,000**	**3,000**		**230,000**	
AROCLOR 1260	8,000 U	**800**		47,000 UY	
TOTAL	**79,000**	**7,200**		**350,000**	

SD004	5/3/05
AROCLOR 1242	323,000 U
AROCLOR 1248	323,000 U
AROCLOR 1254	**2,400,000**
AROCLOR 1260	323,000
TOTAL	**2,400,000**

Legend

MW-1 ⊕ MW - Monitoring Well
RIW - Reinjection Well
EW - Series of 5 Extraction Wells

PL2-JF01A Boeing Monitoring Well

SDMH 24B Manhole Location

10' 6" TO BOTTOM (11.2 FEET MLLW) Feet to Bottom of Pipe
Assumes Surface Elevation of 19.7 Feet MLLW Across Jorgensen Forge Property

All Results in Micrograms per Kilogram

BOLD Indicate Concentrations Above The Sediment Management Standards 2 Lowest Apparent Threshold Screening Level

U No Detecable Concentrations Above the Listed Laboratory Reporting Limit

Y Analyte reporting limit is raised due to a positive chromatographic interference. The compound is not detected above the raised limit but may be present at or below the limit

Property Boundary
Railroad Spur
Fence
Catch Basin
T27 Transformer

MSL Mean Sea Level
MLLW Mean Lower Low Water
MHHW Mean Higher High Water

0 120 240
APPROXIMATE SCALE IN FEET

N

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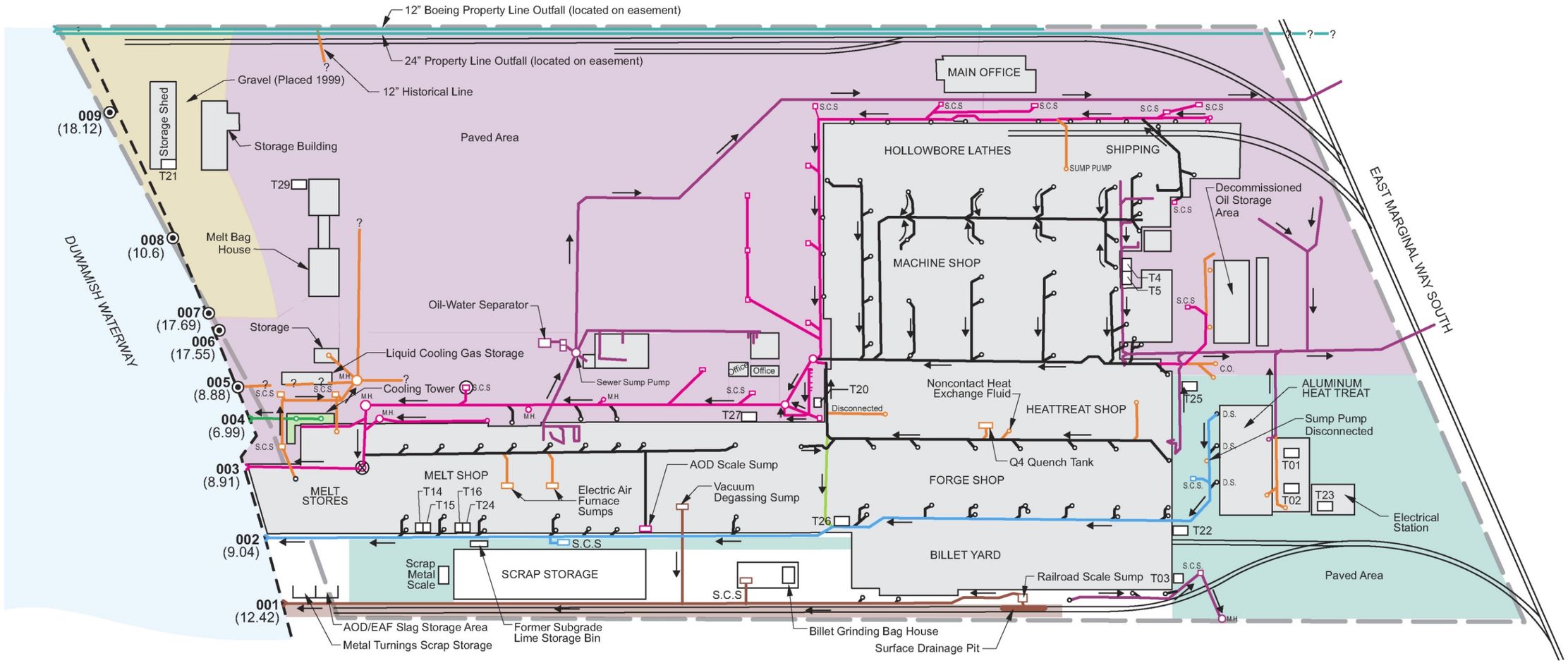
Seattle, Washington

Base Map Reference: Earle M. Jorgensen Company 2005.

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 20
JORGENSEN FORGE FACILITY
JORGENSEN FORGE FACILITY - BOEING PLANT 2 FACILITY
PROPERTY LINE STORMWATER LINES

Date:	Drawn by:	
4/5/07	AES	10:002330WD0702\fig 20



To Outfall 001
To Outfall 002
To Outfall 003
To Outfall 004
NPDES Permit No. S03-001196
To Sewer
Disconnected Line
Secondary Storm Drain 003 Flow Path
Roof Drain Plumbing
Property Line Outfalls

Flow Direction
Approximate Property Line
Approximate Top of Bank
Site Buildings
001 Inactive Outfall Location and Number (Plugged)
(12.42) Outfall Invert Elevation (Ft. MLLW)
Approximate Outfall 001 Drainage Area
Approximate Outfall 002 Drainage Area
Approximate Outfall 003 Drainage Area
Approximate Outfall 004 Drainage Area

Revised Quarterly Stormwater Sampling Station
Previous NPDES Stormwater Sampling Station
T21 Transformer
M.H. Man Hole
S.C.S. Spill Control Separator

N
Not to Scale

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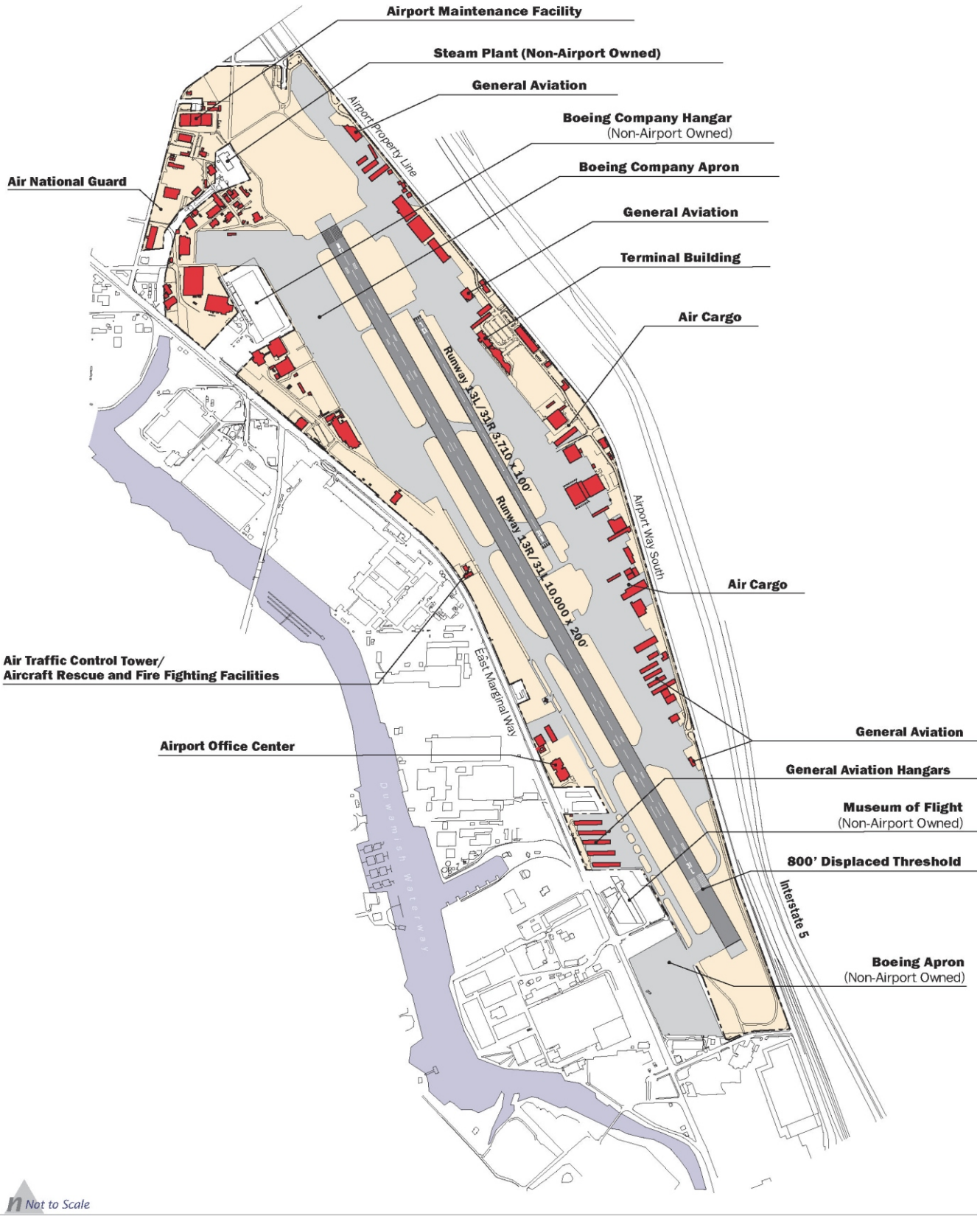
Seattle, Washington

Base Map Reference: Anchor Environmental, L.L.C. 2005.

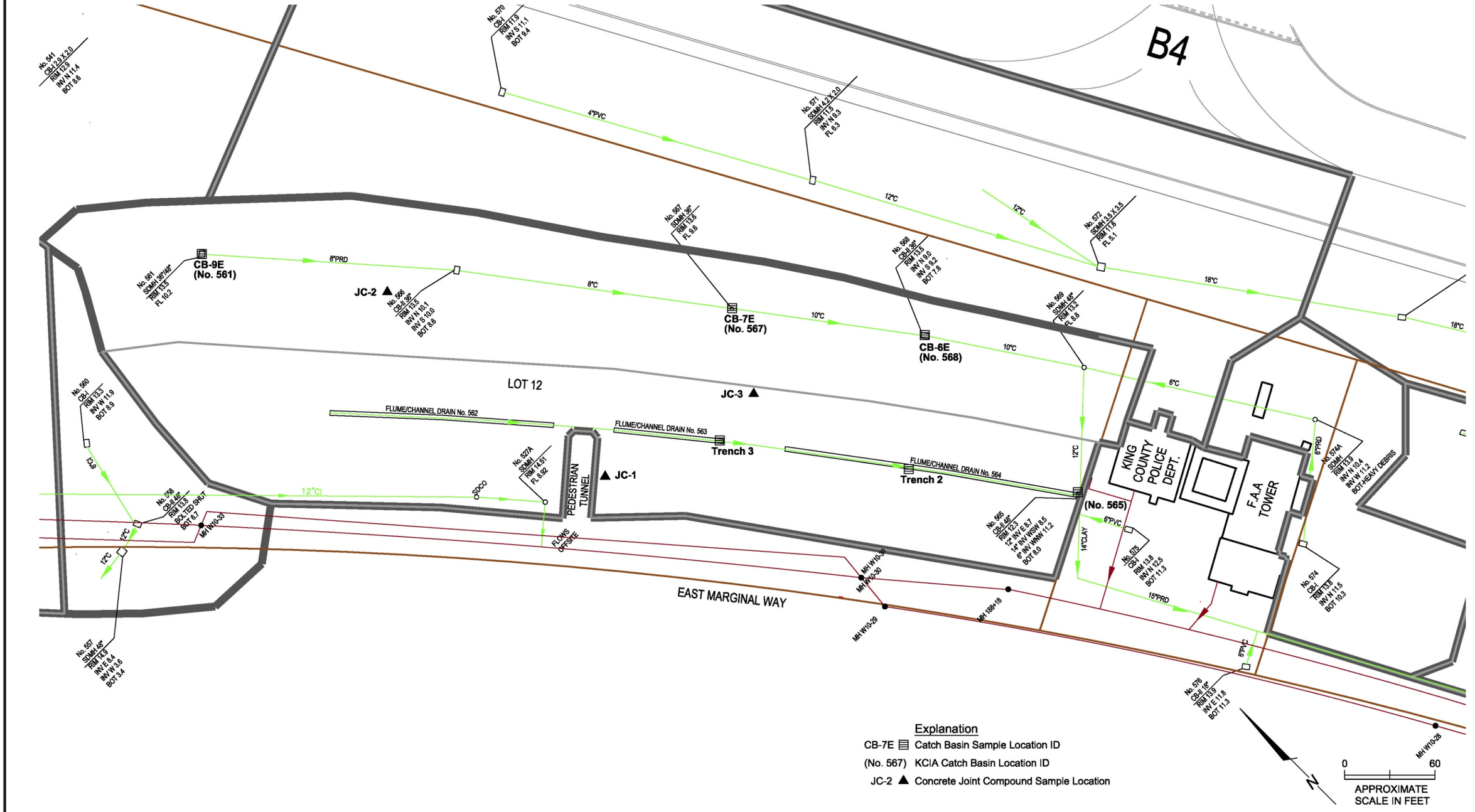
LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 21
JORGENSEN FORGE FACILITY
CURRENT SITE STORMWATER DRAINAGE PLAN

Date:	Drawn by:	
2/23/07	AES	10:002330WD0702\fig 21



ecology and environment, inc. International Specialists in the Environment Seattle, Washington	LOWER DUWAMISH WATERWAY EARLY ACTION AREA 4 Seattle/Tukwila, Washington	Figure 22 KING COUNTY INTERNATIONAL AIRPORT SITE MAP		
	Base Map Reference: Barnard Dunkelberg & Company, 2001.	Date: 2-16-07	Drawn by: AES	10:002330WD0702\fig 22



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Base Map Reference: PES Environmental, Inc. 2005.

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 23
KING COUNTY INTERNATIONAL AIRPORT
SAMPLE LOCATIONS

Date:	Drawn by:	
2/23/07	AES	10:002330WD0702\fig 23

BOEING WASHPAD(S) NOT SHOWN.

DISCHARGE #1

MAINTENANCE SHOP FACILITY

MAINTENANCE SHOP WASHPAD

DISCHARGE #5

MIDFIELD AIRPARK WASHPAD

DISCHARGE #2

DISCHARGE #3

SE AIRPARK WASHPAD

NE AIRPARK WASHPAD

CLASSIC HELICOPTER WASHPAD
(LEASEHOLD NOT PART OF KCIA DA 550-02)

GALVIN WASHPAD
(LEASEHOLD NOT PART OF KCIA DA 550-02)

KING COUNTY INTERNATIONAL AIRPORT ADMINISTRATION BUILDING

GATE 6 DE/ANTI ICING PAD

CLAY LACY WASHPAD
(LEASEHOLD NOT PART OF KCIA DA 550-02)

DISCHARGE #4

DUWAMISH WATERWAY

DUWAMISH WATERWAY

DUWAMISH WATERWAY

EAST MARGINAL WAY S

EAST MARGINAL WAY SOUTH

BLUE AVENUE S

BAILEY GITY LOOP

16TH AVENUE S

NORTH ENTRANCE

PORTLAND ST ENTRANCE

SOUTH ENTRANCE

S ANDOVER ST

True North

Mag. Dec.

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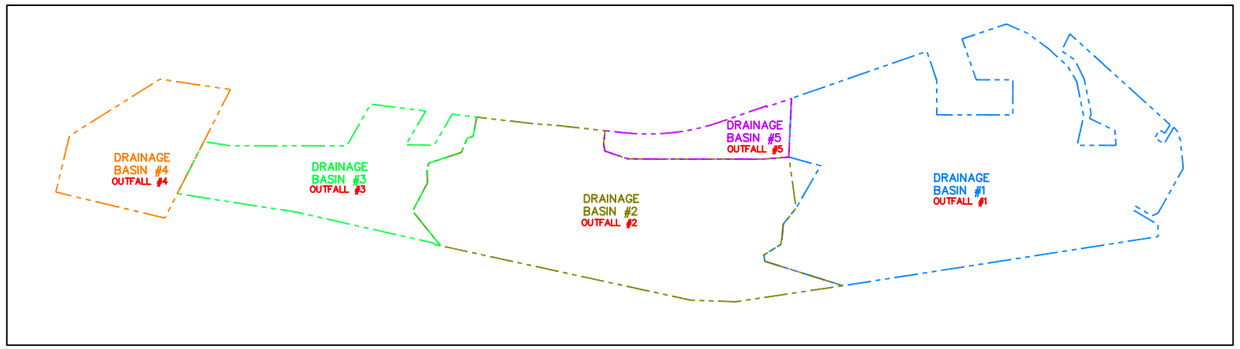
Base Map Reference: King County International Airport, 2006.

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 24
KING COUNTY INTERNATIONAL AIRPORT
STORMWATER OUTFALL SITE MAP

Date:	Drawn by:	
2/23/07	AES	10:002330WD0702\fig 24



DRAINAGE BASIN BOUNDARY #5
OUTFALL #5

8700 HANGAR "B"
22,440 S.F.

8700 HANGAR "A"
13,108 S.F.

F.A.A TOWER & ADMIN OFFICE

CITY OF TUKWILA
CITY OF SEATTLE

LEGEND:
- CATCH BASIN
- MANHOLE
- EDGE DRAIN CLEANOUT
- DRAINAGE BASIN #1
- DRAINAGE BASIN #2
- DRAINAGE BASIN #5
- SD — DRAINAGE BASIN #5 STORM DRAIN
- PSD — PERFORATED STORM DRAIN (EDGE DRAIN)

SCALE IN FEET: 1"= 150'
0 150 300 450

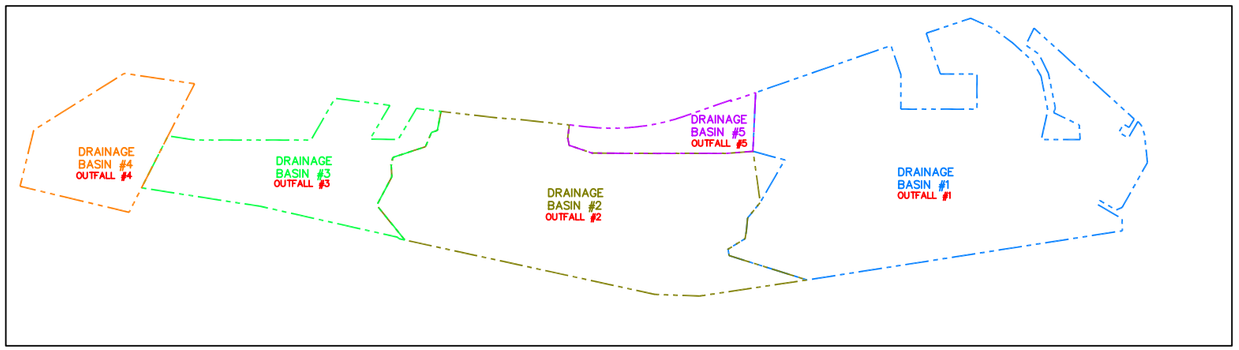
ecology and environment, inc.
International Specialists in the Environment
Seattle, Washington

DESIGNED BY:
CHECKED BY:
DRAWN BY: V. RAYNER

BASE MAP REFERENCE:
KING COUNTY INTERNATIONAL AIRPORT 2007

Figure 25
KING COUNTY INTERNATIONAL AIRPORT
STORMWATER DRAINAGE BASIN 5 - SOUTH END
LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

SCALE	DATE ISSUED	CAD FILE NO.
NOTED	04-16-07	EEA-4\CAD\KCIA_041607.dwg



DRAINAGE BASIN BOUNDARY #5 OUTFALL #5

F.A.A TOWER & ADMIN OFFICE

CITY OF TUKWILA
CITY OF SEATTLE

CB-3-E
CB-4-E
CB-5-E
CB-6-E
CB-7-E
CB-8-G
CB-6-G
CB-7-G
CB-9-E
CB-9-B
CB-11-D
CB-13-D

SDMH RIM=15.36
6"PVC(E)=10.19
12"(NW)=10.11
12"(SW)=9.96±

CB RIM=15.38
6"PVC(NW)=13.93

CB RIM=14.81
6"PVC(SW)=13.34
COULD NOT GET
OIL SEPERATOR

CB RIM=14.48
6"PVC(SW)=13.14
COULD NOT GET
OIL SEPERATOR

CB RIM=13.58
6"PVC(SW)=12.23
COULD NOT GET
OIL SEPERATOR

CB RIM=16.83
18"(NW-SE)=7.64

CB RIM=16.81
18"(NW-SE)=7.85

CB RIM=15.74
18"(NW-SE)=7.69

CB RIM=15.10
12"(NW);18"(SE)=8.45

CB RIM=14.98
12"(SE)=9.73
4"PVC(NW)=12.71

CB RIM=15.51
4"PVC(SE)=14.57
BTM OIL
SEPERATOR=14.51

CB RIM=14.42
30"(SE-NW)=4.32

CB RIM=13.75
30"(SE)=4.48
24"(NW)=4.48

CB RIM=13.56
24"(SE-NW)=4.64

CB RIM=15.74
24"(SE-NW)=5.75
8"PVC(N)=10.42

CB RIM=13.40
BOTTOM OF OIL
SEPERATOR=10.39
8"PVC(S)=10.8±

CB RIM=13.60
CTR
CHANNEL=5.99
24"(SE);18"(NW)

CB RIM=13.79
24"(NW-SE)=5.57

CB RIM=13.70
18"(NW-SE)=6.76

CB RIM=13.42
18"(NW-SE)=7.09

CB RIM=13.01
18"(NW-SE)=7.39

CB RIM=12.85
18"(NW-SE)=7.63

CB RIM=12.66
18"(NW-SE)=7.84

CB RIM=14.56
18"(NW-SE)=8.48

ABANDONED 12" STEEL LINE, APPROX. 4' DEPTH

CLEANOUT I.E.=13.78
CLEANOUT I.E.=7.01
CLEANOUT I.E.=13.44
CLEANOUT I.E.=7.75
CLEANOUT I.E.=13.40
CLEANOUT I.E.=13.29
CLEANOUT I.E.=12.83
CLEANOUT I.E.=12.65
CLEANOUT I.E.=11.82
CLEANOUT I.E.=8.97
CLEANOUT I.E.=12.79
CLEANOUT I.E.=11.70
CLEANOUT I.E.=12.80

LEGEND:

- CATCH BASIN
- MANHOLE
- EDGE DRAIN CLEANOUT
- DRAINAGE BASIN #1
- DRAINAGE BASIN #2
- DRAINAGE BASIN #5
- SD — DRAINAGE BASIN #5 STORM DRAIN
- PSD — PERFORATED STORM DRAIN (EDGE DRAIN)

SCALE IN FEET: 1"= 150'
0 150 300 450

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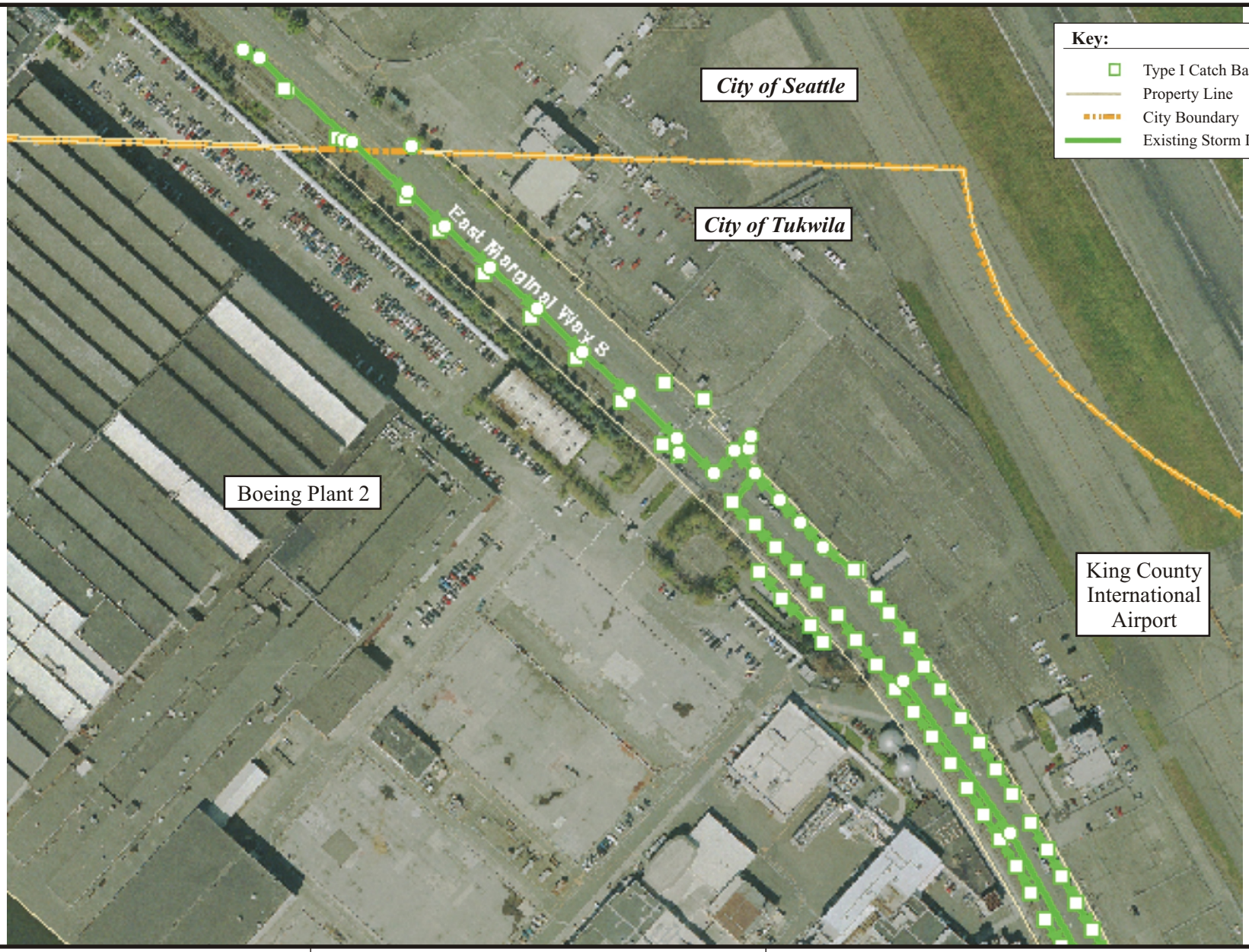
International Specialists in the Environment
Seattle, Washington

DESIGNED BY:
CHECKED BY:
DRAWN BY: V. RAYNER

BASE MAP REFERENCE: KING COUNTY INTERNATIONAL AIRPORT 2007

Figure 26
KING COUNTY INTERNATIONAL AIRPORT
STORMWATER DRAINAGE BASIN 5 - NORTH END
LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

SCALE	DATE ISSUED	CAD FILE NO.
NOTED	04-16-07	EEA-4\CAD\KCIA_041607.dwg



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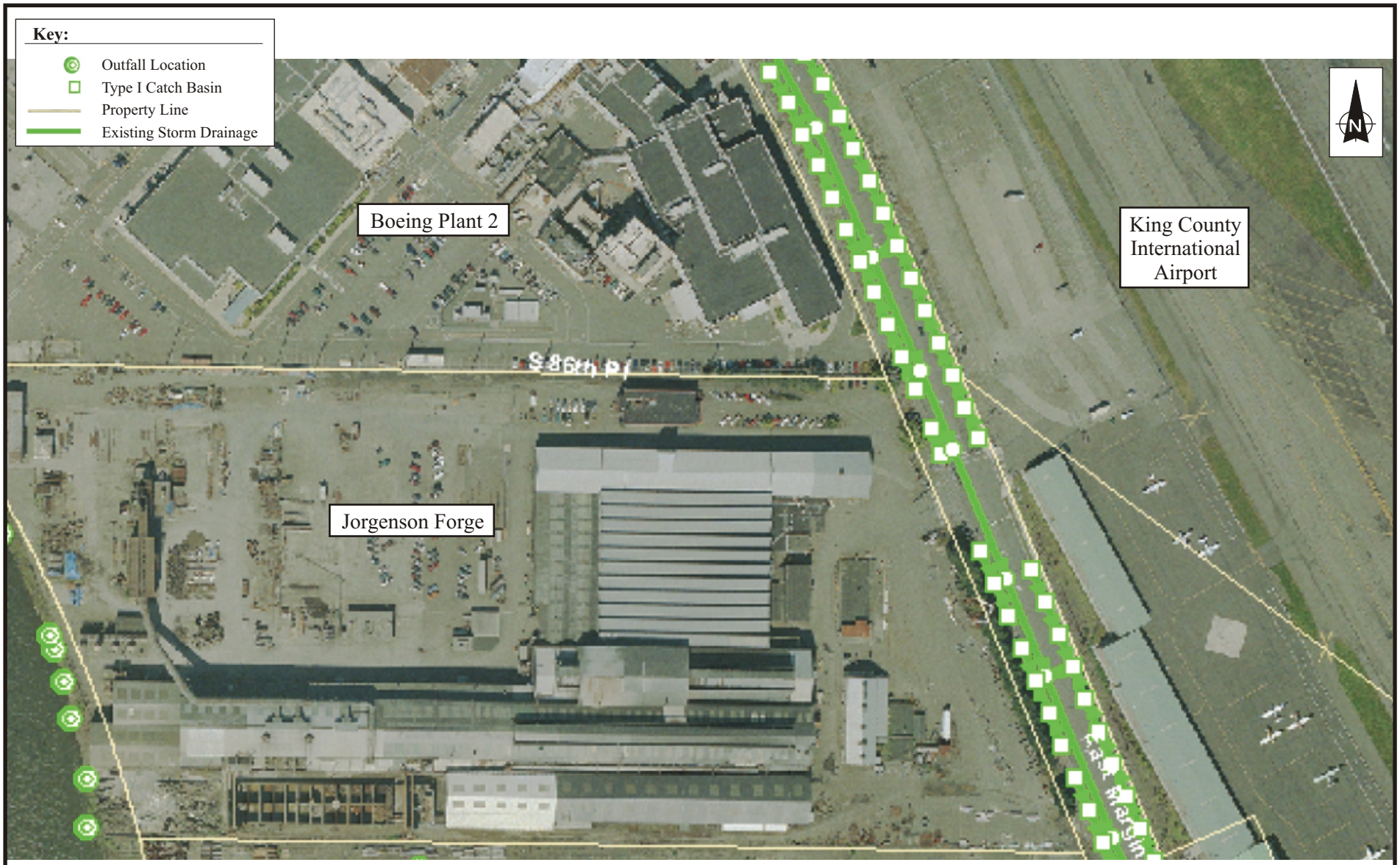
LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 27
EAST MARGINAL WAY SOUTH
CITY OF TUKWILA STORMWATER
DRAINAGE SYSTEM - NORTH PORTION

Base Map Reference: City of Tukwila, 2007.

Date:	Drawn by:	
4/20/07	AES	10:002330WD0702\fig 27



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Seattle, Washington

LOWER DUWAMISH WATERWAY
EARLY ACTION AREA 4
Seattle/Tukwila, Washington

Figure 28
EAST MARGINAL WAY SOUTH
CITY OF TUKWILA STORMWATER
DRAINAGE SYSTEM - SOUTH PORTION

Base Map Reference: City of Tukwila, 2007.

Date:	Drawn by:	
4/18/07	AES	10:002330WD0702\fig 28

Table 1

Boeing Plant 2
Data Gap Investigation, South Yard Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	SY-DP-01-15 DP-SY-01 15 - 15 3/8/2005	SY-DP-01-15-F DP-SY-01 15 - 15 3/8/2005	SY-DP-02-15 DP-SY-02 15 - 15 3/7/2005	SY-DP-02-15-F DP-SY-02 15 - 15 3/7/2005	SY-DP-03-15 DP-SY-03 15 - 15 3/7/2005	SY-DP-03-15-1 DP-SY-03 Dup. 15 - 15 3/7/2005	SY-DP-03-15-F DP-SY-03 15 - 15 3/7/2005	SY-DP-03-15-F-1 DP-SY-03 Dup. 15 - 15 3/7/2005	SY-DP-04-15 DP-SY-04 15 - 15 3/7/2005	SY-DP-04-15-F DP-SY-04 15 - 15 3/7/2005	SY-DP-05-15 DP-SY-05 15 - 15 3/7/2005	SY-DP-05-15-F DP-SY-05 15 - 15 3/7/2005	SY-DP-06-15 DP-SY-06 15 - 15 3/7/2005	SY-DP-06-15-F DP-SY-06 15 - 15 3/7/2005	SY-DP-07-15 DP-SY-07 15 - 15 3/7/2005	SY-DP-07-15-F DP-SY-07 15 - 15 3/7/2005	SY-DP-08-15 DP-SY-08 15 - 15 3/7/2005
VOCs (µg/L)																				
Vinyl Chloride	EPA 8260B	0.731		0.9		10		7.1	20			28		31		0.2 U		0.2 U		0.2 U
Chloroethane	EPA 8260B			0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
Methylene Chloride	EPA 8260B	190		0.3 U		0.3 U		0.3 U	2 U			2 U		2 U		0.3 U		0.3 U		0.3 U
Acetone	EPA 8260B			1 R		1 R		1 R	5 R			5 U		5 U		1 R		1 R		1 R
Carbon Disulfide	EPA 8260B			0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
1,1-Dichloroethane	EPA 8260B			2.4		8.6		0.5	1.4			1 U		1 U		0.2 U		0.2 U		0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U		1.4		0.4	1.2			1.4		1.7		0.2 U		0.2 U		0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		0.2 U		2		0.7	2			3.8		8.3		0.3		0.2 U		0.4
Chloroform	EPA 8260B	56.1		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
2-Butanone	EPA 8260B			1 U		1 U		1 U	5 U			5 U		5 U		1 U		1 U		1 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
Bromodichloromethane	EPA 8260B	5.52		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
Trichloroethene	EPA 8260B	0.302		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
Benzene	EPA 8260B	4.48		0.2 U		0.8		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
Methyl isobutyl ketone	EPA 8260B			1 R		1 U		1 U	5 U			5 U		5 U		1 U		1 U		1 U
Tetrachloroethene	EPA 8260B	0.822		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
Toluene	EPA 8260B	15000		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
Ethylbenzene	EPA 8260B	2100		0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
Trichlorofluoromethane	EPA 8260B			0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
1,1,2-Trichlorotrifluoroethane	EPA 8260B			0.2 U		0.2 U		0.2 U	2 U			2 U		2 U		0.2 U		0.2 U		0.2 U
m,p-Xylene	EPA 8260B			0.4 U		0.4 U		0.4 U	1 U			1 U		1 U		0.4 U		0.4 U		0.4 U
o-Xylene	EPA 8260B			0.2 U		0.2 U		0.2 U	1 U			1 U		1 U		0.2 U		0.2 U		0.2 U
SVOCs (µg/L)																				
Phenol	EPA 8270C	275000		1 U		1 U		1 U	1 U			1 U		1 U		1 U		1 U		1 U
2-Methylphenol	EPA 8270C	10200		1 U		1 U		1 U	1 U			1 U		1 U		1 U		1 U		1 U
4-Methylphenol	EPA 8270C	1030		1 U		1 U		1 U	1 U			1 U		1 U		1 U		1 U		1 U
2,4-Dimethylphenol	EPA 8270C	273		1 U		1 U		1 U	1 U			1 U		1 U		1 U		1 U		1 U
Naphthalene	EPA 8270C	2440		1 U		1 U		1 U	1 U			1 U		1 U		1 U		1 U		1 U
4-Chloro-3-methylphenol	EPA 8270C	18300		5 U		5 U		5 U	5 U			5 U		5 U		5 U		5 U		5 U
Di-n-Butylphthalate	EPA 8270C	1440		1 U		1 U		1 U	1 U			1 U		1 U		1 U		1 U		1 U
Naphthalene	EPA 8270SIM	2440		0.1 U		0.1 U		0.1 U	0.1 U			0.1 U		0.1 U		0.1 U		0.1 U		0.1 U
Inorganics (Total) (µg/L)																				
Arsenic	EPA 200.8	0.2																		
Cadmium	EPA 6010B	8.8																		
Chromium	EPA 6010B																			
Copper	EPA 200.8	3.1																		
Lead	EPA 200.8	8.1																		
Manganese	EPA 6010B	100																		
Mercury	EPA 1631E	0.025																		
Nickel	EPA 200.8	8.2																		
Silver	EPA 200.8	1.9																		
Vanadium	EPA 6010B	2810																		
Zinc	EPA 6010B	81																		
Inorganics (Dissolved) (µg/L)																				
Arsenic	EPA 200.8	0.2			36.1		67			82.8	82.1		86.6		75.4		7.6 U		8.2 U	
Cadmium	EPA 6010B	8.8			2 U		2 U			2 U	2 U		2 U		2 U		2 U		2 U	
Chromium	EPA 6010B				5 U		5 U			5 U	5 U		5 U		5 U		5 U		5 U	
Chromium(VI)	A3500D	50		11 UJ		11 U		11 U	11 U			11 U		11 U						
Copper	EPA 200.8	3.1			0.5 U		0.5 U			0.5 U	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Lead	EPA 200.8	8.1			1 U		1 U			1 U	1 U		1 U		1 U		1 U		1 U	
Manganese	EPA 6010B	100			1250		4300			2310	2300		6930		4590		852		903	
Mercury	EPA 1631E	0.025			0.025 U		0.025 UJ			0.025 UJ	0.025 UJ		0.025 UJ		0.025 UJ		0.025 UJ		0.025 UJ	
Nickel	EPA 200.8	8.2			0.6		2.1			1.2	1.2		2.2		1.7		1.1		1.8	
Silver	EPA 200.8	1.9			0.2 U		0.2 U			0.2 U	0.2 U		0.2 U		0.2 U		0.2 U		0.2 U	
Vanadium	EPA 6010B	2810			13		7			10	10		6		8		3 U		3	
Zinc	EPA 6010B	81			11		20			6 U	6 U		24		23		8		8	
Petroleum Hydrocarbons (µg/L)																				
TPH - Diesel Range	NWTPH-Dx	500																		
TPH - Motor Oil Range	NWTPH-Dx	500																		

Notes:
Dup. = Duplicate analysis
Re. = Reanalysis
Re. Ex. = Reextraction

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 1

Boeing Plant 2
Data Gap Investigation, South Yard Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	SY-DP-08-15-F	SY-DP-09-15	SY-DP-09-15-F	SY-DP-10-18	SY-DP-10-18	SY-DP-10-18-F	SY-DP-11-17	SY-DP-11-17-F	SY-DP-12-15	SY-DP-12-15-F	SY-PL2-106A	SY-PL2-106A-F	SY-PL2-106B	SY-PL2-106B-F	SY-PL2-106C	SY-PL2-106C-F	SY-PL2-110C
			Location:	DP-SY-08	DP-SY-09	DP-SY-09	DP-SY-10	DP-SY-10 Re.	DP-SY-10	DP-SY-11	DP-SY-11	DP-SY-12	DP-SY-12	PL2-106A	PL2-106A	PL2-106B	PL2-106B	PL2-106C	PL2-106C	PL2-110C
			Depth (ft bgs):	15 - 15	15 - 15	15 - 15	18 - 18	18 - 18	18 - 18	17 - 17	17 - 17	15 - 15	15 - 15	8 - 28	8 - 28	39 - 49	39 - 49	82.5 - 92.5	82.5 - 92.5	82 - 92
			Sample Date:	3/7/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/14/2005	3/14/2005	3/14/2005	3/14/2005	3/14/2005	3/14/2005	3/16/2005
VOCs (µg/L)																				
Vinyl Chloride	EPA 8260B	0.731			0.2 U		0.6	2 U		0.8		2.5		14		0.2 U		0.2 UJ		0.2 UJ
Chloroethane	EPA 8260B				0.2 U		0.2 U	2 U		0.2 U		0.5		0.2 U		0.2 U		0.2 UJ		0.2 UJ
Methylene Chloride	EPA 8260B	190			0.3 U		0.3 U	3 U		0.3 U		0.3 U		0.3 U		0.3 U		0.3 UJ		0.3 UJ
Acetone	EPA 8260B				1 R		1 R	10 R		1 R		2.2 J		3 J		3.5 J		8.9 J		2.6 J
Carbon Disulfide	EPA 8260B				0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
1,1-Dichloroethene	EPA 8260B	0.382			0.2 U		0.4	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
1,1-Dichloroethane	EPA 8260B				0.2 U		13	15		1.9		1.2		0.9		0.2 U		0.2 UJ		0.2 UJ
trans-1,2-Dichloroethene	EPA 8260B	10000			0.2 U		3.3	6.8		0.4		0.2 U		1.5		0.2 U		0.2 UJ		0.2 UJ
cis-1,2-Dichloroethene	EPA 8260B	1550			0.2 U		50 ES	83		1.1		0.6		4.2		0.2 U		0.2 UJ		0.2 UJ
Chloroform	EPA 8260B	56.1			0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
1,2-Dichloroethane	EPA 8260B	11.7			0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.3		0.4		0.2 UJ		0.2 UJ
2-Butanone	EPA 8260B				1 U		1 U	10 U		1 U		1 U		1 U		1 U		1 UJ		1 UJ
1,1,1-Trichloroethane	EPA 8260B	206000			0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
Bromodichloromethane	EPA 8260B	5.52			0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
Trichloroethene	EPA 8260B	0.302			0.2 U		15	20		0.2 U		0.2 U		3		0.2 U		0.2 UJ		0.2 UJ
Benzene	EPA 8260B	4.48			0.2 U		0.2 U	2 U		0.3		0.2 U		0.3		0.2 U		0.2 UJ		0.2 UJ
Methyl isobutyl ketone	EPA 8260B				1 R		1 R	10 R		1 R		1 R		1 R		1 R		1 R		1 R
Tetrachloroethene	EPA 8260B	0.822			0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
Toluene	EPA 8260B	15000			0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
Ethylbenzene	EPA 8260B	2100			0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 J
Trichlorofluoromethane	EPA 8260B				0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
1,1,2-Trichlorotrifluoroethane	EPA 8260B				0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
m,p-Xylene	EPA 8260B				0.4 U		0.4 U	4 U		0.4 U		0.4 U		0.4 U		0.4 U		0.4 UJ		0.4 UJ
o-Xylene	EPA 8260B				0.2 U		0.2 U	2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 UJ		0.2 UJ
SVOCs (µg/L)																				
Phenol	EPA 8270C	275000			1 U															
2-Methylphenol	EPA 8270C	10200			1 U															
4-Methylphenol	EPA 8270C	1030			1 U															
2,4-Dimethylphenol	EPA 8270C	273			1 U															
Naphthalene	EPA 8270C	2440			1 U															
4-Chloro-3-methylphenol	EPA 8270C	18300			5 U															
Di-n-Butylphthalate	EPA 8270C	1440			1 U															
Naphthalene	EPA 8270SIM	2440			0.1 U															
Inorganics (Total) (µg/L)																				
Arsenic	EPA 200.8	0.2												38.4	0.5	4		4		
Cadmium	EPA 6010B	8.8												2 U	2 U	4 U		2 U		
Chromium	EPA 6010B													5 U	5 U	10 U		5 U		
Copper	EPA 200.8	3.1												1.7	0.5	2 U		2 U		
Lead	EPA 200.8	8.1												1 U	1 U	5 U		5 U		
Manganese	EPA 6010B	100												1310	812	255		274		
Mercury	EPA 1631E	0.025												0.025 U	0.025 U	0.025 UJ		0.025 U		
Nickel	EPA 200.8	8.2												1.8	0.6	7		5		
Silver	EPA 200.8	1.9												0.2 U	0.2 U	1 U		1 U		
Vanadium	EPA 6010B	2810												8	3 U	6 U		4		
Zinc	EPA 6010B	81												6 U	6 U	10 U		6 U		
Inorganics (Dissolved) (µg/L)																				
Arsenic	EPA 200.8	0.2		3.4 U		20.8		9.4		85		15.8		35.1		0.6		4		
Cadmium	EPA 6010B	8.8		2 U		2 U		2 U		2 U		2 U		2 U		2 U		4 U		
Chromium	EPA 6010B			5 U		5 U		5 U		8		5 U		5 U		5 U		10 U		
Chromium(VI)	A3500D	50																		
Copper	EPA 200.8	3.1		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		1.2		0.5 U		2 U		
Lead	EPA 200.8	8.1		1 U		1 U		1 U		1 U		1 U		1 U		1 U		5 U		
Manganese	EPA 6010B	100		673		1780		2290		1260		2210		1440		1010		255		
Mercury	EPA 1631E	0.025		0.025 UJ		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		
Nickel	EPA 200.8	8.2		1.1		1		1.8		4.9		2.5		1.8		1.1		7		
Silver	EPA 200.8	1.9		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		1 U		
Vanadium	EPA 6010B	2810		7		6		3 U		37		15		9		3 U		6 U		
Zinc	EPA 6010B	81		7		15		15		45		21 U		6 U		34		10 U		
Petroleum Hydrocarbons (µg/L)																				
TPH - Diesel Range	NWTPH-Dx	500																		
TPH - Motor Oil Range	NWTPH-Dx	500																		

Notes:
Dup. = Duplicate analysis
Re. = Reanalysis
Re. Ex. = Reextraction

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 1

Boeing Plant 2
Data Gap Investigation, South Yard Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	SY-PL2-110C-F	SY-PL2-11156A-1	SY-PL2-11156A-F-1	SY-PL2-112A	SY-PL2-112A	SY-PL2-112A-F	SY-PL2-112B	SY-PL2-112B-F	SY-PL2-113A	SY-PL2-113A	SY-PL2-113A-F	SY-PL2-115A	SY-PL2-115A	SY-PL2-115A-F	SY-PL2-116A	SY-PL2-116A-F
			Location:	PL2-110C	PL2-156A Dup.	PL2-156A Dup.	PL2-112A	PL2-112A Re.	PL2-112A	PL2-112B	PL2-112B	PL2-113A	PL2-113A Re.	PL2-113A	PL2-115A	PL2-115A Re.	PL2-115A	PL2-116A	PL2-116A
			Depth (ft bgs):	82 - 92	6 - 16	6 - 16	8.5 - 18.5	8.5 - 18.5	8.5 - 18.5	40 - 50	40 - 50	8 - 18	8 - 18	8 - 18	7.5 - 17.7	7.5 - 17.7	7.5 - 17.7	7.5 - 17.8	7.5 - 17.8
			Sample Date:	3/16/2005	3/11/2005	3/11/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/16/2005	3/15/2005	3/15/2005	3/15/2005	3/16/2005	3/16/2005
VOCs (µg/L)																			
Vinyl Chloride	EPA 8260B	0.731			6.7		7.4	10 U		0.2 U		5.3	5.1		5.2	4.8		2.8	
Chloroethane	EPA 8260B				0.2 U		320 ES	590		0.2 U		0.5	1 U		0.2 U	1 U		0.2 U	
Methylene Chloride	EPA 8260B	190			0.3 U		0.3	20 U		0.3 U		0.3 U	2 U		0.3 U	2 U		0.3 U	
Acetone	EPA 8260B				2 J		13 J	50 R		1 R		2.1 J	5 R		2.3 J	5 R		2.6 J	
Carbon Disulfide	EPA 8260B				0.2 U		0.2 U	10 U		0.2 U		0.2 U	1 U		0.2 U	1 U		0.2 U	
1,1-Dichloroethene	EPA 8260B	0.382			0.2 U		1.9	10 U		0.2 U		1.3	1.1		0.2	1 U		0.2 U	
1,1-Dichloroethane	EPA 8260B				3.9		46 ES	66		0.2 U		30 E	32		1.2	1.1		0.6	
trans-1,2-Dichloroethene	EPA 8260B	10000			0.4		0.8	10 U		0.2 U		0.2 U	1 U		0.3	1 U		0.2 U	
cis-1,2-Dichloroethene	EPA 8260B	1550			0.5		15	12		0.2 U		3.9	3.7		46 E	49		1.5	
Chloroform	EPA 8260B	56.1			0.2 U		0.2 U	10 U		0.2 U		0.2	1 U		0.2	1 U		0.2 U	
1,2-Dichloroethane	EPA 8260B	11.7			0.2 U		0.6	10 U		0.2 U		0.2 U	1 U		0.2 U	1 U		0.2 U	
2-Butanone	EPA 8260B				1 U		8.4	50 U		1 U		1 U	5 U		1 U	5 U		1 U	
1,1,1-Trichloroethane	EPA 8260B	206000			0.2 U		1.3	10 U		0.2 U		0.3	1 U		0.7	1 U		0.2 U	
Bromodichloromethane	EPA 8260B	5.52			0.2 U		0.2 U	10 U		0.2 U		0.2 U	1 U		0.2 U	1 U		0.2 U	
Trichloroethene	EPA 8260B	0.302			0.4		2.6	10 U		0.2 U		17 E	13		74 ES	110		0.2 U	
Benzene	EPA 8260B	4.48			0.4		1	10 U		0.2 U		5.3	4.6		0.2 U	1 U		0.2 U	
Methyl isobutyl ketone	EPA 8260B				1 UJ		1.3 J	50 U		1 U		1 R	5 U		1 U	5 U		1 R	
Tetrachloroethene	EPA 8260B	0.822			0.2 U		3.8	10 U		0.2 U		1.2	1 U		0.2	1 U		0.2 U	
Toluene	EPA 8260B	15000			0.2 U		22 E	18		0.2 U		0.2 U	1 U		0.2 U	1 U		0.2 U	
Ethylbenzene	EPA 8260B	2100			0.2 U		1	10 U		0.2 U		0.2 U	1 U		0.2 U	1 U		0.2 U	
Trichlorofluoromethane	EPA 8260B				0.2 U		0.2 U	10 U		0.2 U		0.2 U	1 U		0.2 U	1 U		0.2 U	
1,1,2-Trichlorotrifluoroethane	EPA 8260B				0.2 U		2.2	20 U		0.2 U		0.3	2 U		0.2 U	2 U		0.2 U	
m,p-Xylene	EPA 8260B				0.4 U		3.8	10 U		0.4 U		0.4 U	1 U		0.4 U	1 U		0.4 U	
o-Xylene	EPA 8260B				0.2 U		1.8	10 U		0.2 U		0.2 U	1 U		0.2 U	1 U		0.2 U	
SVOCs (µg/L)																			
Phenol	EPA 8270C	275000			1 U		1 U	60 U				1 U			1 U			1 U	
2-Methylphenol	EPA 8270C	10200			1 U		4.2	60 U				1 U			1 U			1 U	
4-Methylphenol	EPA 8270C	1030			1 U		35	60 U				1 U			1 U			1 U	
2,4-Dimethylphenol	EPA 8270C	273			1 U		100 E	97				1 U			1 U			1 U	
Naphthalene	EPA 8270C	2440			1 U		1.4	60 U				1 U			1 U			1 U	
4-Chloro-3-methylphenol	EPA 8270C	18300			5 U		1500 E	2500				5 U			5 U			5 U	
Di-n-Butylphthalate	EPA 8270C	1440			1 U		5.3	60 U				1 U			1 U			1 U	
Naphthalene	EPA 8270SIM	2440			0.27 U		2 UJ	10 U				0.1 U			0.1 U			0.1 U	
Inorganics (Total) (µg/L)																			
Arsenic	EPA 200.8	0.2			104		63.7			0.8		7.1			0.8			22.4	
Cadmium	EPA 6010B	8.8			2 U		2 U			2 U		2 U			2 U			2 U	
Chromium	EPA 6010B				5 U		5 U			5 U		5 U			21			5 U	
Copper	EPA 200.8	3.1			1 U		2.9 U			8.4 U		1.8 U			4.3			0.5 U	
Lead	EPA 200.8	8.1			1 U		1 U			1 U		1 U			1 U			1 U	
Manganese	EPA 6010B	100			4630		2100			496		580			96			3830	
Mercury	EPA 1631E	0.025			0.025 U		0.025 U			0.025 U		0.025 U			0.025 U			0.025 U	
Nickel	EPA 200.8	8.2			1 U		3.4			9.5		4.3			1.5			0.5	
Silver	EPA 200.8	1.9			0.2 U		0.2 U			0.2 U		0.2 U			0.2 U			0.2 U	
Vanadium	EPA 6010B	2810			10		9			5		7			3			3 U	
Zinc	EPA 6010B	81			6 U		6			29		6 U			6 U			6 U	
Inorganics (Dissolved) (µg/L)																			
Arsenic	EPA 200.8	0.2		6		99.8			59.1		0.7		8.9			0.2 U		22.2	
Cadmium	EPA 6010B	8.8		4 U		2 U			2 U		2 U		2 U			2 U		2 U	
Chromium	EPA 6010B			10 U		5 U			5 U		5 U		5 U			6		5 U	
Chromium(VI)	A3500D	50																	
Copper	EPA 200.8	3.1		2 U		0.5 U			0.5 U		0.5 U		0.5 U			1.3		0.5 U	
Lead	EPA 200.8	8.1		5 U		1 U			1 U		1 U		1 U			1 U		1 U	
Manganese	EPA 6010B	100		280		4890			2170		540		612			90		4200	
Mercury	EPA 1631E	0.025		0.025 U		0.025 U			0.025 U		0.025 U		0.025 U			0.025 U		0.025 U	
Nickel	EPA 200.8	8.2		5		1.1			2.2		2.4		3.8			1.2		0.6	
Silver	EPA 200.8	1.9		1 U		0.2 U			0.2 U		0.2 U		0.2 U			0.2 U		0.2 U	
Vanadium	EPA 6010B	2810		6 U		10			4		3 U		6			3 U		3 U	
Zinc	EPA 6010B	81		10 U		6 U			6 U		6 U		6 U			6 U		6 U	
Petroleum Hydrocarbons (µg/L)																			
TPH - Diesel Range	NWTPH-Dx	500					9800 E	8900				280			250 U			250 U	
TPH - Motor Oil Range	NWTPH-Dx	500					1300	2500 U				500 U			500 U			500 U	

Notes:
Dup. = Duplicate analysis
Re. = Reanalysis
Re. Ex. = Reextraction

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 1

Boeing Plant 2
Data Gap Investigation, South Yard Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	SY-PL2-117A	SY-PL2-117A	SY-PL2-117A-F	SY-PL2-120A	SY-PL2-120A-F	SY-PL2-151A	SY-PL2-151A-05202005	SY-PL2-151A-F	SY-PL2-151B	SY-PL2-151B-F	SY-PL2-151C	SY-PL2-151C-F	SY-PL2-152A	SY-PL2-152A-05202005	SY-PL2-152A-F
			Location:	PL2-117A	PL2-117A Re.	PL2-117A	PL2-120A	PL2-120A	PL2-151A	PL2-151A	PL2-151A	PL2-151B	PL2-151B	PL2-151C	PL2-151C	PL2-152A	PL2-152A	PL2-152A
			Depth (ft bgs):	7.9 - 17.9	7.9 - 17.9	7.9 - 17.9	8 - 18	8 - 18	6 - 16	6 - 16	6 - 16	45 - 50	45 - 50	75 - 80	75 - 80	6 - 16	6 - 16	6 - 16
			Sample Date:	3/16/2005	3/16/2005	3/16/2005	3/10/2005	3/10/2005	3/11/2005	5/20/2005	3/11/2005	3/11/2005	3/11/2005	3/11/2005	3/11/2005	3/15/2005	5/20/2005	3/15/2005
VOCs (µg/L)																		
Vinyl Chloride	EPA 8260B	0.731		4.3			0.2 U		0.2 U			0.2 U		0.2 U		2.9		
Chloroethane	EPA 8260B			0.4			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
Methylene Chloride	EPA 8260B	190		0.3 U			0.3 U		0.3 U			0.3 U		0.3 U		0.3 U		
Acetone	EPA 8260B			3.1 J			1 R		1.8 J			5.4 J		1 R		1 R		
Carbon Disulfide	EPA 8260B			0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
1,1-Dichloroethane	EPA 8260B			13			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		1.1		
cis-1,2-Dichloroethene	EPA 8260B	1550		4.9			0.2		2.8			0.2 U		0.2 U		1.2		
Chloroform	EPA 8260B	56.1		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
2-Butanone	EPA 8260B			1 U			1 U		1 U			1 U		1 U		1 U		
1,1,1-Trichloroethane	EPA 8260B	206000		1			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
Bromodichloromethane	EPA 8260B	5.52		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
Trichloroethene	EPA 8260B	0.302		2.4			0.2 U		6.4			0.2 U		0.2 U		1.1		
Benzene	EPA 8260B	4.48		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
Methyl isobutyl ketone	EPA 8260B			1 R			1 R		1 UJ			1 UJ		1 UJ		1 U		
Tetrachloroethene	EPA 8260B	0.822		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
Toluene	EPA 8260B	15000		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
Ethylbenzene	EPA 8260B	2100		0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
Trichlorofluoromethane	EPA 8260B			0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
1,1,2-Trichlorotrifluoroethane	EPA 8260B			0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
m,p-Xylene	EPA 8260B			0.4 U			0.4 U		0.4 U			0.4 U		0.4 U		0.4 U		
o-Xylene	EPA 8260B			0.2 U			0.2 U		0.2 U			0.2 U		0.2 U		0.2 U		
SVOCs (µg/L)																		
Phenol	EPA 8270C	275000		3.2	30 U		1 U			1 U							1 U	
2-Methylphenol	EPA 8270C	10200		3.6	30 U		1 U			1 U							1 U	
4-Methylphenol	EPA 8270C	1030		32	30 U		1 U			1 U							1 U	
2,4-Dimethylphenol	EPA 8270C	273		77	70		1 U			1 U							1 U	
Naphthalene	EPA 8270C	2440		1 U	30 U		1 U			1 U							1 U	
4-Chloro-3-methylphenol	EPA 8270C	18300		1000 E	1600		5 U			5 U							5 U	
Di-n-Butylphthalate	EPA 8270C	1440		1 U	30 U		1 U			1.4 U							1.6 U	
Naphthalene	EPA 8270SIM	2440		1.3 UJ	10 U		0.1 U			0.1 U							0.1 U	
Inorganics (Total) (µg/L)																		
Arsenic	EPA 200.8	0.2		55.3			46.7		5			4		6		0.4		
Cadmium	EPA 6010B	8.8		2			2 U		2 U			2 U		2 U		2 U		
Chromium	EPA 6010B			160			5 U		5 U			5 U		5 U		6		
Copper	EPA 200.8	3.1		52.4			3		1 U			1 U		2 U		2		
Lead	EPA 200.8	8.1		12			2 U		1 U			1 U		5 U		1 U		
Manganese	EPA 6010B	100		1780			937		811			839		764		475		
Mercury	EPA 1631E	0.025		0.0332			0.025 U		0.025 U			0.025 U		0.025 U		0.025 U		
Nickel	EPA 200.8	8.2		27.2			3		3			1 U		3		0.7		
Silver	EPA 200.8	1.9		0.2			0.5 U		0.2 U			0.2 U		1 U		0.2 U		
Vanadium	EPA 6010B	2810		104			6		3 U			3 U		5		3 U		
Zinc	EPA 6010B	81		215			6 U		6 U			6 U		6 U		19		
Inorganics (Dissolved) (µg/L)																		
Arsenic	EPA 200.8	0.2				40.3		3.8			4.5		4.4		5			0.4
Cadmium	EPA 6010B	8.8				2 U		2 U			2 U		2 U		2 U			2 U
Chromium	EPA 6010B					5 U		5 U			5 U		5 U		5 U			5 U
Chromium(VI)	A3500D	50						11 UJ			11 UJ							11 U
Copper	EPA 200.8	3.1				0.5 U		0.6			1		0.5 U		2 U			0.7
Lead	EPA 200.8	8.1				1 U		1 U			1 U		1 U		5 U			1 U
Manganese	EPA 6010B	100				1520		893			854		849		783			495
Mercury	EPA 1631E	0.025				0.025 U		0.025 U			0.025 U		0.025 U		0.025 U			0.025 U
Nickel	EPA 200.8	8.2				3.9		1.3			3		0.9		4			1.9
Silver	EPA 200.8	1.9				0.2 U		0.2 U			0.5 U		0.2 U		1 U			0.2 U
Vanadium	EPA 6010B	2810				3		3 U			3 U		3 U		5			3 U
Zinc	EPA 6010B	81				18		6 U			6 U		6 U		6 U			16
Petroleum Hydrocarbons (µg/L)																		
TPH - Diesel Range	NWTPH-Dx	500		380														
TPH - Motor Oil Range	NWTPH-Dx	500		500 U														

Notes:
Dup. = Duplicate analysis
Re. = Reanalysis
Re. Ex. = Reextraction

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 1

Boeing Plant 2
Data Gap Investigation, South Yard Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	SY-PL2-152B PL2-152B 45 - 50 3/15/2005	SY-PL2-152B-F PL2-152B 45 - 50 3/15/2005	SY-PL2-152C PL2-152C 80 - 85 3/15/2005	SY-PL2-152C-F PL2-152C 80 - 85 3/15/2005	SY-PL2-153A PL2-153A 6 - 16 3/9/2005	SY-PL2-153A-F PL2-153A 6 - 16 3/9/2005	SY-PL2-153B PL2-153B 45 - 50 3/9/2005	SY-PL2-153B-F PL2-153B 45 - 50 3/9/2005	SY-PL2-153C PL2-153C 80 - 85 3/9/2005	SY-PL2-153C-F PL2-153C 80 - 85 3/9/2005	SY-PL2-154A PL2-154A 6 - 16 3/10/2005	SY-PL2-154A-F PL2-154A 6 - 16 3/10/2005	SY-PL2-154B PL2-154B 45 - 50 3/10/2005	SY-PL2-154B-F PL2-154B 45 - 50 3/10/2005	SY-PL2-154C PL2-154C 80 - 85 3/10/2005	SY-PL2-154C-F PL2-154C 80 - 85 3/10/2005	SY-PL2-155A PL2-155A 6 - 16 3/14/2005
VOCs (µg/L)																				
Vinyl Chloride	EPA 8260B	0.731		0.2 U		0.2 UJ		1.2		0.2 UJ		0.2 UJ		2.9		0.2 U		0.2 UJ		4.7
Chloroethane	EPA 8260B			0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.3 J		0.2 U
Methylene Chloride	EPA 8260B	190		0.3 U		0.3 UJ		0.3 U		0.3 UJ		0.3 UJ		0.3 U		0.3 U		0.3 UJ		0.3 U
Acetone	EPA 8260B			2.7 J		1 R		1 R		1 R		1 R		3.4 J		1 R		1 R		8.1 J
Carbon Disulfide	EPA 8260B			0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.6 J		0.2 U		0.2 U		0.2 UJ		0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
1,1-Dichloroethane	EPA 8260B			0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		9		0.2 U		0.2 UJ		2.1
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U		0.2 UJ		0.2		0.2 UJ		0.2 UJ		3.4		0.2 U		0.2 UJ		1.4
cis-1,2-Dichloroethene	EPA 8260B	1550		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.3		0.2 U		0.2 UJ		1.8
Chloroform	EPA 8260B	56.1		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
2-Butanone	EPA 8260B			1 U		1 UJ		1 U		1 UJ		1 UJ		1 U		1 U		1 UJ		1 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
Bromodichloromethane	EPA 8260B	5.52		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
Trichloroethene	EPA 8260B	0.302		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.3
Benzene	EPA 8260B	4.48		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.8
Methyl isobutyl ketone	EPA 8260B			1 U		1 UJ		1 R		1 R		1 R		1 R		1 R		1 R		1 R
Tetrachloroethene	EPA 8260B	0.822		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
Toluene	EPA 8260B	15000		0.2		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.6 J		0.2 U
Ethylbenzene	EPA 8260B	2100		0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
Trichlorofluoromethane	EPA 8260B			0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.6		0.5 J		0.2 U
1,1,2-Trichlorotrifluoroethane	EPA 8260B			0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
m,p-Xylene	EPA 8260B			0.4 U		0.4 UJ		0.4 U		0.4 UJ		0.4 UJ		0.4 U		0.4 U		0.4 UJ		0.4 U
o-Xylene	EPA 8260B			0.2 U		0.2 UJ		0.2 U		0.2 UJ		0.2 UJ		0.2 U		0.2 U		0.2 UJ		0.2 U
SVOCs (µg/L)																				
Phenol	EPA 8270C	275000						1 U						1 U						1 U
2-Methylphenol	EPA 8270C	10200						1 U						1 U						1 U
4-Methylphenol	EPA 8270C	1030						1 U						1 U						1 U
2,4-Dimethylphenol	EPA 8270C	273						1 U						1 U						1 U
Naphthalene	EPA 8270C	2440						1 U						1 U						1 U
4-Chloro-3-methylphenol	EPA 8270C	18300						5 U						5 U						5 U
Di-n-Butylphthalate	EPA 8270C	1440						1 U						1 U						1 U
Naphthalene	EPA 8270SIM	2440						0.1 U						0.1 U						0.1 U
Inorganics (Total) (µg/L)																				
Arsenic	EPA 200.8	0.2		6.7		1.7		2.7		3		15		21.9		3.5		2 U		93.4
Cadmium	EPA 6010B	8.8		2 U		2 U		2 U		2 U		2 U		2 U		2 U		2 U		2 U
Chromium	EPA 6010B			5 U		13		22		5 U		5 U		5 U		5 U		5 U		5 U
Copper	EPA 200.8	3.1		0.5 U		0.9		4.2		1 U		1 U		2.8		0.5 U		2 U		1 U
Lead	EPA 200.8	8.1		1 U		1 U		1 U		2 U		2 U		1 U		1 U		5 U		1 U
Manganese	EPA 6010B	100		367		228		587		279		482		2170		366		338		3640
Mercury	EPA 1631E	0.025		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U
Nickel	EPA 200.8	8.2		0.8		3.4		0.7		2		2		0.9		0.9		4		1 U
Silver	EPA 200.8	1.9		0.2 U		0.2 U		0.2 U		0.5 U		0.5 U		0.2 U		0.2 U		1 U		0.2 U
Vanadium	EPA 6010B	2810		3		6		32		4		5		12		3 U		5		19
Zinc	EPA 6010B	81		6 U		6 U		6 U		6 U		6 U		6 U		6 U		6 U		6 U
Inorganics (Dissolved) (µg/L)																				
Arsenic	EPA 200.8	0.2			6.8		1.4		2.4		3		16		21.3		3.2		2 U	
Cadmium	EPA 6010B	8.8			2 U		2 U		2 U		2 U		2 U		2 U		2 U		2 U	
Chromium	EPA 6010B				5 U		11		6		5 U		5 U		5 U		5 U		5 U	
Chromium(VI)	A3500D	50							11 UJ						12 J					
Copper	EPA 200.8	3.1			0.5 U		0.8		0.7		1 U		1 U		0.5 U		0.5 U		2 U	
Lead	EPA 200.8	8.1			1 U		1 U		1 U		2 U		2 U		1 U		1 U		5 U	
Manganese	EPA 6010B	100			389		239		594		273		472		2070		374		351	
Mercury	EPA 1631E	0.025			0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.0604		0.025 U		0.025 U	
Nickel	EPA 200.8	8.2			0.9		3.1		0.6		2		2		0.8		0.9		4	
Silver	EPA 200.8	1.9			0.2 U		0.2 U		0.2 U		0.5 U		0.5 U		0.2 U		0.2 U		1 U	
Vanadium	EPA 6010B	2810			3		6		24		4		5		11		3 U		5	
Zinc	EPA 6010B	81			6 U		6 U		6 U		6 U		6 U		6 U		6 U		6 U	
Petroleum Hydrocarbons (µg/L)																				
TPH - Diesel Range	NWTPH-Dx	500																		
TPH - Motor Oil Range	NWTPH-Dx	500																		

Notes:
Dup. = Duplicate analysis
Re. = Reanalysis
Re. Ex. = Reextraction

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 1

Boeing Plant 2
Data Gap Investigation, South Yard Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	SY-PL2-155A-F	SY-PL2-155B	SY-PL2-155B-F	SY-PL2-155C	SY-PL2-155C-F	SY-PL2-156A	SY-PL2-156A-F	SY-PL2-601A	SY-PL2-601A-F	SY-PL2-601B	SY-PL2-601B-F	SY-PL2-602A	SY-PL2-602A-05202005	SY-PL2-602A-F	SY-PL2-602B	SY-PL2-602B-F
			Location:	PL2-155A	PL2-155B	PL2-155B	PL2-155C	PL2-155C	PL2-156A	PL2-156A	PL2-601A	PL2-601A	PL2-601B	PL2-601B	PL2-602A	PL2-602A	PL2-602A	PL2-602B	PL2-602B
			Depth (ft bgs):	6 - 16	45 - 50	45 - 50	80 - 85	80 - 85	6 - 16	6 - 16	5 - 20	5 - 20	45 - 50	45 - 50	6 - 21	6 - 21	6 - 21	44.5 - 49.5	44.5 - 49.5
			Sample Date:	3/14/2005	3/14/2005	3/14/2005	3/14/2005	3/14/2005	3/11/2005	3/11/2005	3/14/2005	3/14/2005	3/15/2005	3/15/2005	3/15/2005	5/20/2005	3/15/2005	3/15/2005	3/15/2005
VOCs (µg/L)																			
Vinyl Chloride	EPA 8260B	0.731			0.2 U		0.2 UJ		8.8		1.7		12		8.9			9.8	
Chloroethane	EPA 8260B				0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
Methylene Chloride	EPA 8260B	190			0.3 U		0.3 UJ		0.3 U		0.3 U		0.3 U		0.3 U			0.3 U	
Acetone	EPA 8260B				5.2 J		7.1 J		1.8 J		3.5 J		3.1 J		2.1 J			3.1 J	
Carbon Disulfide	EPA 8260B				0.2 U		0.2 UJ		0.2 U		0.2 U		1.7		0.2 U			0.2 U	
1,1-Dichloroethene	EPA 8260B	0.382			0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
1,1-Dichloroethane	EPA 8260B				0.2 U		0.2 UJ		4		0.2 U		0.2 U		0.2 U			0.2 U	
trans-1,2-Dichloroethene	EPA 8260B	10000			0.2 U		0.2 UJ		0.4		0.3		0.2 U		0.5			0.2 U	
cis-1,2-Dichloroethene	EPA 8260B	1550			0.2 U		0.2 UJ		0.6		6.3		0.2 U		0.9			0.2 U	
Chloroform	EPA 8260B	56.1			0.2 U		0.2 UJ		0.2 U		0.2 U		0.2		0.2 U			12	
1,2-Dichloroethane	EPA 8260B	11.7			0.2 U		0.2 UJ		0.2 U		0.2 U		0.4		0.2 U			0.2 U	
2-Butanone	EPA 8260B				1 U		1 UJ		1 U		1 U		1 U		1 U			1 U	
1,1,1-Trichloroethane	EPA 8260B	206000			0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
Bromodichloromethane	EPA 8260B	5.52			0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.5	
Trichloroethene	EPA 8260B	0.302			0.2 U		0.2 UJ		0.4		5		0.2 U		0.7			0.6	
Benzene	EPA 8260B	4.48			0.2 U		0.2 UJ		0.4		0.2 U		0.2 U		2			0.2 U	
Methyl isobutyl ketone	EPA 8260B				1 R		1 R		1 UJ		1 UJ		1 U		1 U			1 U	
Tetrachloroethene	EPA 8260B	0.822			0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
Toluene	EPA 8260B	15000			0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
Ethylbenzene	EPA 8260B	2100			0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
Trichlorofluoromethane	EPA 8260B				0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
1,1,2-Trichlorotrifluoroethane	EPA 8260B				0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
m,p-Xylene	EPA 8260B				0.4 U		0.4 UJ		0.4 U		0.4 U		0.4 U		0.4 U			0.4 U	
o-Xylene	EPA 8260B				0.2 U		0.2 UJ		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
SVOCs (µg/L)																			
Phenol	EPA 8270C	275000							1 U						1 U				
2-Methylphenol	EPA 8270C	10200							1 U						1 U				
4-Methylphenol	EPA 8270C	1030							1 U						1 U				
2,4-Dimethylphenol	EPA 8270C	273							1 U						1 U				
Naphthalene	EPA 8270C	2440							1 U						1 U				
4-Chloro-3-methylphenol	EPA 8270C	18300							5 U						5 U				
Di-n-Butylphthalate	EPA 8270C	1440							1 U						1 U				
Naphthalene	EPA 8270SIM	2440							0.36 U						0.1 U				
Inorganics (Total) (µg/L)																			
Arsenic	EPA 200.8	0.2			3.6		8		106		11.8		6.6		31.4			1.2	
Cadmium	EPA 6010B	8.8			2 U		4 U		2 U		2 U		2 U		2 U			2 U	
Chromium	EPA 6010B				5 U		10 U		5 U		5 U		5 U		5 U			5 U	
Copper	EPA 200.8	3.1			0.5 U		2 U		1 U		0.6		1.3		1.2			1	
Lead	EPA 200.8	8.1			1 U		5 U		1 U		1 U		1 U		1 U			1 U	
Manganese	EPA 6010B	100			516		396		4850		2130		412		3020			227	
Mercury	EPA 1631E	0.025			0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U			0.025 U	
Nickel	EPA 200.8	8.2			0.6		7		1 U		2.6		1.5		2.5			2.4	
Silver	EPA 200.8	1.9			0.2 U		1 U		0.2 U		0.2 U		0.2 U		0.2 U			0.2 U	
Vanadium	EPA 6010B	2810			3 U		6 U		10		3 U		3 U		4			4	
Zinc	EPA 6010B	81			6 U		10 U		6 U		6 U		7		10			953	
Inorganics (Dissolved) (µg/L)																			
Arsenic	EPA 200.8	0.2		94		3.3		9		98.8		12		6.6			30.3		1.1
Cadmium	EPA 6010B	8.8		2 U		2 U		4 U		2 U		2 U		2 U			2 U		2 U
Chromium	EPA 6010B			5 U		5 U		10 U		5 U		5 U		5 U			5 U		5 U
Chromium(VI)	A3500D	50		11 UJ						11 UJ									
Copper	EPA 200.8	3.1		0.8		0.5 U		2 U		0.5 U		0.5 U		0.5 U			0.8		0.5 U
Lead	EPA 200.8	8.1		1 U		1 U		5 U		1 U		1 U		1 U			1 U		1 U
Manganese	EPA 6010B	100		3800		530		427		4820		2400		442			3170		261
Mercury	EPA 1631E	0.025		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U			0.025 U		0.025 U
Nickel	EPA 200.8	8.2		1		0.5		6		1		2.6		1.5			2.8		2.1
Silver	EPA 200.8	1.9		0.2 U		0.2 U		1 U		0.2 U		0.2 U		0.2 U			0.2 U		0.2 U
Vanadium	EPA 6010B	2810		18		3 U		6 U		10		3 U		3 U			4		3
Zinc	EPA 6010B	81		6 U		6 U		10 U		6 U		6 U		6 U			6 U		717
Petroleum Hydrocarbons (µg/L)																			
TPH - Diesel Range	NWTPH-Dx	500														260			
TPH - Motor Oil Range	NWTPH-Dx	500														500 U			

Notes:
Dup. = Duplicate analysis
Re. = Reanalysis
Re. Ex. = Reextraction

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 2

Boeing Plant 2
Data Gap Investigation, South Yard Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	DP-SY-1-1 DP-SY-01 0 - 1 3/8/2005	DP-SY-1-5 DP-SY-01 4 - 5 3/8/2005	DP-SY-1-10 DP-SY-01 9 - 10 3/8/2005	DP-SY-2-1 DP-SY-02 0 - 1 3/7/2005	DP-SY-2-5 DP-SY-02 4 - 5 3/7/2005	DP-SY-2-10 DP-SY-02 9 - 10 3/7/2005	DP-SY-3-1 DP-SY-03 0 - 1 3/7/2005	DP-SY-3-5 DP-SY-03 4 - 5 3/7/2005	DP-SY-3-10 DP-SY-03 9 - 10 3/7/2005	DP-SY-4-1 DP-SY-04 0 - 1 3/7/2005	DP-SY-4-5 DP-SY-04 4 - 5 3/7/2005	DP-SY-4-10 DP-SY-04 9 - 10 3/7/2005	DP-SY-5-1 DP-SY-05 0 - 1 3/7/2005	DP-SY-5-5 DP-SY-05 4 - 5 3/7/2005	DP-SY-5-10 DP-SY-05 9 - 10 3/7/2005	DP-SY-5-10 DP-SY-05 Re. 9 - 10 3/7/2005	DP-SY-6-1 DP-SY-06 0 - 1 3/7/2005	DP-SY-6-5 DP-SY-06 4 - 5 3/7/2005	DP-SY-6-10 DP-SY-06 9 - 10 3/7/2005	DP-SY-7-1 DP-SY-07 0 - 1 3/7/2005	DP-SY-7-5 DP-SY-07 4 - 5 3/7/2005	DP-SY-7-5 DP-SY-07 Re. 4 - 5 3/7/2005	DP-SY-7-10 DP-SY-07 9 - 10 3/7/2005	DP-SY-7-10 DP-SY-07 Re. 9 - 10 3/7/2005
VOCs (µg/kg)																													
Vinyl Chloride	EPA 8260B	4.59		1 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.3 U	1.1 U	9.5	1 U	1 U	6.5	1 U	1.2 U	11		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
Chloroethane	EPA 8260B			1 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.3 U	1.1 U	1 U	1 U	1 U	1.4 U	1 U	1.2 U	1.3 U		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
Methylene Chloride	EPA 8260B	828		2.1 U	2.5 U	2.6 U	2.3 U	2.1 U	2 U	2.6 U	2.1 U	2 U	2 U	2.1 U	2.7 U	5.7	2.4 U	2.6 U		2.2 U	2.4 U	2.8 U	2.1 U	2.3 U		2.3 U	
Acetone	EPA 8260B			5.2 U	150	56	5.9 U	5.2 U	47	6.4 U	5.3 U	26 U	5 U	5.2 U	34 U	5.1 U	6.1 U	110		9 U	6 U	74	5.3 U	8.1 U		11 U	
Carbon Disulfide	EPA 8260B			1 U	1.2 U	1.3 U	1.2 UJ	1 UJ	1 UJ	1.3 UJ	1.1 UJ	1 UJ	1 UJ	1 UJ	1.4 UJ	1 UJ	1.2 U	1.4		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
1,1-Dichloroethane	EPA 8260B			1 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.3 U	1.1 U	1 U	1 U	1 U	1.4 U	1 U	1.2 U	1.3 U		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
trans-1,2-Dichloroethene	EPA 8260B	899		1 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.3 U	1.1 U	1 U	1 U	1 U	1.4 U	1 U	1.2 U	1.9		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
cis-1,2-Dichloroethene	EPA 8260B	794		1 U	1.2 U	1.3 U	1.2 U	1 U	2.5	1.3 U	1.1 U	1 U	1 U	1 U	1.4 U	1 U	1.2 U	48		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
2-Butanone	EPA 8260B			5.2 U	37	11	5.9 U	5.2 U	13	6.4 U	5.3 U	6.2	5 U	5.2 U	9.3	5.1 U	6.1 U	19		5.5 U	6 U	13	5.2 U	5.6 U		5.7 U	
1,1,1-Trichloroethane	EPA 8260B	27,800		1 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.3 U	1.1 U	1 U	1 U	1 U	1.4 U	1 U	1.2 U	1.3 U		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
Trichloroethene	EPA 8260B	2		1 U	1.2 U	1.3 U	2	1 U	1 U	1.6	4.5	1.7	1 U	1 U	1.4 U	3.7	4.5	19		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
Benzene	EPA 8260B	25.3		1 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.3 U	1.1 U	1 U	1 U	1 U	1.4 U	1 U	1.2 U	1.3 U		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
Tetrachloroethene	EPA 8260B	8.72		1 U	1.2 U	1.3 U	1.2 U	1 U	1 U	2.7	3.6	1 U	1.1	1.7	1.4 U	110	46	57		1.1 U	3.4	1.4 U	1 U	1.1 U		1.1 U	
Toluene	EPA 8260B	19,000		1 U	1.2 U	1.3 U	1.2 U	1 U	1 U	1.3 U	1.1 U	1 U	1 U	1 U	1.4 U	1 U	1.2 U	1.3 U		1.1 U	1.2 U	1.4 U	1 U	1.1 U		1.1 U	
SVOCs (µg/kg)																													
Naphthalene	EPA 8270C	24,800		66 U	65 U	66 U	70 U	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
Hexachlorobutadiene	EPA 8270C	6,380		66 U	65 U	66 U	70 U	340	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
2-Methylnaphthalene	EPA 8270C			66 U	65 U	66 U	70 U	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
Acenaphthylene	EPA 8270C			66 U	65 U	66 U	75	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
Acenaphthene	EPA 8270C	32,400		66 U	65 U	66 U	70 U	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
Phenanthrene	EPA 8270C			66 U	65 U	66 U	70 U	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
Anthracene	EPA 8270C	6,080,000		66 U	65 U	66 U	72	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
Di-n-Butylphthalate	EPA 8270C	50,900		66 U	65 U	66 U	180	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		84	66 U	65 U	63 U	63 U	63 U	64 U	
Fluoranthene	EPA 8270C	44,000		66 U	65 U	66 U	510	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
Pyrene	EPA 8270C	1,750,000		66 U	65 U	66 U	520	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66	66 U	65 U	63 U	63 U	63 U	64 U	
Benzo(a)anthracene	EPA 8270C	41.9		66 U	65 U	66 U	180	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
bis(2-Ethylhexyl)phthalate	EPA 8270C	1,570		66 U	65 U	66 U	70 U	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		100	66 U	65 U	63 U	63 U	63 U	64 U	
Chrysene	EPA 8270C	46.6		66 U	65 U	66 U	240	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 U	63 U	64 U	
Benzo(b)fluoranthene	EPA 8270C	144		66 U	65 U	66 U	230	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 UJ	63 UJ	64 U	
Benzo(k)fluoranthene	EPA 8270C	144		66 U	65 U	66 U	210	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 UJ	63 UJ	64 U	
Benzo(a)pyrene	EPA 8270C	113		66 U	65 U	66 U	230	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 UJ	63 UJ	64 U	
Indeno(1,2,3-cd)pyrene	EPA 8270C	406		66 U	65 U	66 U	110	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 UJ	63 UJ	64 U	
Dibenz(a,h)anthracene	EPA 8270C	210		66 U	65 U	66 U	70 U	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 UJ	63 UJ	64 U	
Benzo(g,h,i)perylene	EPA 8270C			66 U	65 U	66 U	86	64 U	65 U	66 U	63 U	65 U	66 U	65 U	66 U	64 U	63 U	64 U		66 U	66 U	65 U	63 U	63 UJ	63 UJ	64 U	
Naphthalene	EPA 8270SIM	24,800		6.6 U	6.5 U	6.6 U	21 U	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
2-Methylnaphthalene	EPA 8270SIM			6.6 U	6.5 U	6.6 U	21 U	6.4 U	6.5 U	6.6 U	21	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	11	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Acenaphthylene	EPA 8270SIM			6.6 U	6.5 U	6.6 U	120	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Acenaphthene	EPA 8270SIM	32,400		6.6 U	6.5 U	6.6 U	59	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Phenanthrene	EPA 8270SIM			6.6 U	7.8	12	34	6.4 U	6.5 U	6.6 U	14	9.2	6.6 U	17	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	22	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Anthracene	EPA 8270SIM	6,080,000		6.6 U	6.5 U	6.6 U	99	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Fluoranthene	EPA 8270SIM	44,000		6.6 U	10	12	510	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	7.9	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	41	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Pyrene	EPA 8270SIM	1,750,000		13	13	9.9	580	6.4 U	6.5 U	6.6 U	6.3 U	7.2	8.6	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	53	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Benzo(a)anthracene	EPA 8270SIM	41.9		6.6 U	6.5 U	6.6 U	210	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Chrysene	EPA 8270SIM	46.6		7.3	7.8	10	240	6.4 U	6.5 U	6.6 U	6.3 U	11	9.3	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	30	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Benzo(b)fluoranthene	EPA 8270SIM	144		9.9 J	6.5 U	6.6 U	290	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	14	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Benzo(k)fluoranthene	EPA 8270SIM	144		8.6 J	8.4	6.6 U	170	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	11	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Benzo(a)pyrene	EPA 8270SIM	113		6.6 U	6.5 U	6.6 U	220	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	7.3	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	33	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406		6.6 U	6.5 U	6.6 U	95	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	9.9	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Dibenz(a,h)anthracene	EPA 8270SIM	210		6.6 U	6.5 U	6.6 U	30	6.4 UJ	6.5 UJ	6.6 UJ	6.3 UJ	6.5 U	6.6 UJ	6.5 UJ	6.6 UJ	6.4 UJ	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
Benzo(g,h,i)perylene	EPA 8270SIM			6.6 U	6.5 U	6.6 U	82	6.4 U	6.5 U	6.6 U	6.3 U	6.5 U	13	6.5 U	6.6 U	6.4 U	6.3 U	6.4 U	6.4 U	20 U	6.6 U	6.5 U	6.3 U	6.3 U	6.3 U	6.4 U	6.4 U
SVOCs (µg/kg)																													
Aroclor 1254	EPA 8082	33		130	33 U	32 U	230	33 U	32 U	90	32 U	49	330	80	33 U	33 U	32 U	33 U		230	32 U	32 U	33 U	33 U		33 U	
Aroclor 1260	EPA 8082	33		70 U	33 U	32 U	140	33 U	32 U	73	32 U	33 J	210	45	33 U	33 U	32 U	33 U		77 J	32 U	32 U	33 U	33 U		33 U	
Total PCB	EPA 8082	33		130	33 U	32 U	370	33 U	32 U	163	32 U	82 J	540	125	33 U	33 U	32 U	33 U		307 J	32 U	32 U	33 U	33 U		33 U	
Inorganics (mg/kg)																													
Aluminum	EPA 6010B			9080	19400	16700	13700	10000	22500	8830	8860	12600	9430	9520	10400	7750	10200	11800		10300	10700	16500	9070	8730		11600	
Arsenic	EPA 6010B	7.3		5 U	7 U	6 U	5 U	6 U	7 U	5 U	6 U	5 U	5 U	5 U	6 U	5 U	7 U	6 U		7	6 U	6 U	5 U	5 U		6 U	
Beryllium	EPA 6010B	222		0.1	0.3	0.2	0.14	0.1	0.3	0.1	0.1 U	0.2	0.1	0.1	0.1	0.1	0.1 U	0.1		0.1	0.1 U	0.2	0.1 U	0.1		0.1	
Cadmium	EPA 6010B	1.21		0.2 U	0.3	0.3	0.4	0.2 U	0.3 U	0.2 U	0.2 U	0.2	0.4	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U		4.3	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	
Chromium	EPA 6010B			14.5	19	17	27.4 J	52.1 J	21.8 J	15.1 J	9 J	18 J	18.3 J	14 J	12.1 J	11.7 J	11.4 J	13.2 J		15.3 J	19.5 J	16.1 J	10.5 J	9.9 J		13.5 J	
Copper	EPA 6010B	36.4		12.2	30	24.4	32.9	13.5	31.5	12.8	10.8	20.6	17.7	12.9	13.6	9.1	13.2	15.5		25.1	12.8	24.2	11.3	9.2		16.5	
Lead	EPA 6010B	1,000		5	15	10	6	4	10	4	2	6	9	3	2	2 U	3	3 U		16	3	4	2	2 U		2 U	
Magnesium	EPA 6010B			3140	5040	4230	4670	2200	5460	3080	1930	3630	2650	2580	2370	2550	2150	2560		2950	2420	3640	2070	2200		2450	
Manganese	EPA 6010B	1,146		158	248	230	231	94.3	370	142	73.4	180	141	131	136	110	77.9	150		157	87.5	180	86.8	161		228	
Mercury	EPA 7471A	0.07		0.05 U	0.07 U	0.06 U	0.04	0.05 U	0.07	0.05	0.05 U	0.06	0.09	0.04 U	0.05 U	0.04 U	0.05 U	0.05 U		0.06 U	0.05 U	0.05 U	0.04 U	0.04 U		0.05 U	
Nickel	EPA 6010B	47.8		14	16	13	19.7	8	17	11	6	13	13	13	8	8.7	10	9		12	7	12	7	8		9	
Silver	EPA 6010B	0.323		0.3 U	0.4 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U	0.4 U	0.4 U		7.1	0.4 U	0.4 U	0.3 U	0.3 U		0.4 U	
Vanadium	EPA 6010B	56,100		36	55.9	49.7	45.6	36.5	58.8	37.3	36.5	54.1	41.3	39.8	44.6	39.4	41.8	48		41.4	38.2	50	36.1	36.8		46.3	
Zinc	EPA 6010B	101		33.5	53.7	42.9	50.4	23.3	64.3	32.4	17	35.3	48.7	27.5	23.7	23.5	22.5	24.1		83.3	22.5	27.3	19.9	22.5		22.5	
Petroleum Hydrocarbons (mg/kg)																													
TPH - Diesel Range	NWTPH-Dx	2,000																											
TPH - Motor Oil Range	NWTPH-Dx	2,000																											

Notes:
Re. = Reanalysis

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 2

Boeing Plant 2
Data Gap Investigation, South Yard Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	DP-SY-8-1	DP-SY-8-5	DP-SY-8-5	DP-SY-8-10	DP-SY-9-1	DP-SY-9-5	DP-SY-9-10	DP-SY-10-1	DP-SY-10-5	DP-SY-10-10	DP-SY-11-1	DP-SY-11-5	DP-SY-11-10	DP-SY-12-1	DP-SY-12-5	DP-SY-12-10	SY-PL2-601A-1.5	SY-PL2-601A-5	SY-PL2-601A-10	SY-PL2-602A-1.5	SY-PL2-602A-5
			Location:	DP-SY-08	DP-SY-08	DP-SY-08 Re.	DP-SY-08	DP-SY-09	DP-SY-09	DP-SY-09	DP-SY-10	DP-SY-10	DP-SY-10	DP-SY-11	DP-SY-11	DP-SY-11	DP-SY-12	DP-SY-12	DP-SY-12	PL2-601A	PL2-601A	PL2-601A	PL2-602A	PL2-602A
			Depth (ft bgs):	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1.5	3.5 - 5	8.5 - 10	0 - 1.5	3.5 - 5
			Sample Date:	3/7/2005	3/7/2005	3/7/2005	3/7/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/1/2005	3/1/2005	3/1/2005	3/1/2005	3/1/2005
VOCs (µg/kg)																								
Vinyl Chloride	EPA 8260B	4.59		1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	2.2	1 U	1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U
Chloroethane	EPA 8260B			1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	3.9	1 U	1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U
Methylene Chloride	EPA 8260B	828		2.2 U	2.8 U	2.7 U	2.6 U	2 U	2.5 U	2.4 U	2.1 U	2.2 U	2.1 U	2.2 U	2.2 U	2.7 U	2 U	2.1 U	2.5 U	2 U	2 U	2.5 U	2 U	2.3 U
Acetone	EPA 8260B			5.4 U	78	140	64	6.2	6.3 U	120	5.4 U	5.4 U	7.5	6.4	6.9	210	5 U	5.6	37	5.1 U	6.1 U	6.1 U	5.1 U	5.7 U
Carbon Disulfide	EPA 8260B			1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	5.7	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.4 U	1 U	1 U	1.2 U	1 UJ	1 UJ	2.3 J	1 UJ	1.1 UJ
1,1-Dichloroethane	EPA 8260B			1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	6.1	1 U	1 U	4.6	1 U	1 U	1.2 U	1 U	1.1 U
trans-1,2-Dichloroethene	EPA 8260B	899		1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.4 U	1 U	1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U
cis-1,2-Dichloroethene	EPA 8260B	794		1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	3.4	1 U	1 U	2	1 U	1 U	1.2 U	1 U	3.3
2-Butanone	EPA 8260B			5.4 U	16	29	12	5 U	6.3 U	25	5.4 U	5.4 U	5.2 U	5.4 U	5.5 U	54	5 U	5.2 U	7.3	5 U	5 U	6.1 U	5.1 U	5.7 U
1,1,1-Trichloroethane	EPA 8260B	27,800		1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	1 U	1.2	1.1 U	1.4 U	1 U	1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U
Trichloroethene	EPA 8260B	2		1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.2	3.5	1 U	4	1.4	1.4 U	1 U	1 U	2.1	2	1.4	1.2 U	13	130
Benzene	EPA 8260B	25.3		1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.4 U	1 U	1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U
Tetrachloroethene	EPA 8260B	8.72		1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	2	1 U	3.1	1.1 U	1.4 U	1 U	1 U	1.2 U	1 U	1 U	1.2 U	1 U	3.7
Toluene	EPA 8260B	19,000		1.1 U	1.4 U	1.4 U	1.3 U	1 U	1.3 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	2.2	1 U	1 U	1.2 U	1 U	1 U	1.2 U	1 U	1.1 U
SVOCs (µg/kg)																								
Naphthalene	EPA 8270C	24,800		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Hexachlorobutadiene	EPA 8270C	6,380		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
2-Methylnaphthalene	EPA 8270C			65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Acenaphthylene	EPA 8270C			65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Acenaphthene	EPA 8270C	32,400		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Phenanthrene	EPA 8270C			65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Anthracene	EPA 8270C	6,080,000		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Di-n-Butylphthalate	EPA 8270C	50,900		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Fluoranthene	EPA 8270C	44,000		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Pyrene	EPA 8270C	1,750,000		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Benzo(a)anthracene	EPA 8270C	41.9		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
bis(2-Ethylhexyl)phthalate	EPA 8270C	1,570		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Chrysene	EPA 8270C	46.6		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Benzo(b)fluoranthene	EPA 8270C	144		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Benzo(k)fluoranthene	EPA 8270C	113		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Indeno(1,2,3-cd)pyrene	EPA 8270C	406		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Dibenz(a,h)anthracene	EPA 8270C	210		65 U	66 U		64 U	66 U	66 U	65 U													64 U	66 U
Benzo(g,h,i)perylene	EPA 8270C			65 U	66 U		64 U	66 U	66 U	65 U													64 UJ	66 UJ
Naphthalene	EPA 8270SIM	24,800		6.5 U	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
2-Methylnaphthalene	EPA 8270SIM			6.5 U	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Acenaphthylene	EPA 8270SIM			6.5 U	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Acenaphthene	EPA 8270SIM	32,400		6.5 U	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Phenanthrene	EPA 8270SIM			7.8	11		6.4 U	9.9	6.6 U	6.5 U													6.4 U	8.6
Anthracene	EPA 8270SIM	6,080,000		6.5 U	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Fluoranthene	EPA 8270SIM	44,000		13	21		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Pyrene	EPA 8270SIM	1,750,000		16	18		6.4 U	6.6	6.6 U	6.5 U													6.4 U	6.6 U
Benzo(a)anthracene	EPA 8270SIM	41.9		9.1	7.3		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Chrysene	EPA 8270SIM	46.6		12	8.6		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Benzo(b)fluoranthene	EPA 8270SIM	144		15	7.9		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Benzo(k)fluoranthene	EPA 8270SIM	144		15	5.3 J		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Benzo(a)pyrene	EPA 8270SIM	113		9.7	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	22
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406		6.5 U	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Dibenz(a,h)anthracene	EPA 8270SIM	210		6.5 U	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
Benzo(g,h,i)perylene	EPA 8270SIM			6.5 U	6.6 U		6.4 U	6.6 U	6.6 U	6.5 U													6.4 U	6.6 U
SVOCs (µg/kg)																								
Aroclor 1254	EPA 8082	33		63	32 U		33 U	33 U	33 U	33 U	32 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	32 U	33 U	32 U	32 U	33 U	33 U
Aroclor 1260	EPA 8082	33		41	32 U		33 U	33 U	33 U	33 U	32 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	32 U	33 U	32 U	32 U	33 U	33 U
Total PCB	EPA 8082	33		104	32 U		33 U	33 U	33 U	33 U	32 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	32 U	33 U	32 U	32 U	33 U	33 U
Inorganics (mg/kg)																								
Aluminum	EPA 6010B			10800	17200		16500	8840	10400	8400	9950	8560	11900	7630	8110	11400	7790	8320	8650	8730	8500	11900	7870	8400
Arsenic	EPA 6010B	7.3		6 U	8		7 U	6 U	6 U	6 U	5 U	5 U	6 U	5 U	5 U	6	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U
Beryllium	EPA 6010B	222		0.1	0.3		0.2	0.1 U	0.1 U	0.1 U	0.12	0.1 U	0.2	0.1	0.1	0.2	0.1 U	0.1 U	0.1 U	0.11	0.1 U	0.1	0.1	0.1
Cadmium	EPA 6010B	1.21		0.8	0.3 U		0.3 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	0.2 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
Chromium	EPA 6010B			15 J	19.5 J		15.8 J	10.1	11.4	10.5	13.4	10.9	17.1	13.5	11.7	13.7	12.2	14.3	12.9	11.4	10.6	13	12.5	10.3
Copper	EPA 6010B	36.4		25.3	32		25.4	12.2	13.7	13.1	13.1	11.6	22	9	9.4	23.8	11.7	9.9	9.9	12.2	9.2	14.2	9.5	13
Lead	EPA 6010B	1,000		9	11		4	2 U	3	2 U	4	2	3	2 U	3	4	3	2	2 U	9	2 U	2 U	5	2 U
Magnesium	EPA 6010B			2980	4750		3580	1970	2290	1920	3130	2170	3500	2410	2630	3610	2650	2750	2380	3070	2500	2560	2540	1970
Manganese	EPA 6010B	1,146		148	184		230	72	85.2	174	156	83.7	138	118	123	174	134	124	108	165	122	135	123	89
Mercury	EPA 7471A	0.07		0.08	0.1		0.07 U	0.05 U	0.06 U	0.05 U	0.04 U	0.04 U	0.06 U	0.05 U	0.05	0.05 U	0.05 U	0.05 U	0.04 U	0.05 U	0.05 U	0.05 U	0.04 U	0.05 U
Nickel	EPA 6010B	47.8		12	15		12	6	9	7	12.3	7	11	8.3	8.2	11	8.6	9.5	8	10	7	9	8.6	8
Silver	EPA 6010B	0.323		2.1	0.4 U		0.4 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U
Vanadium	EPA 6010B	56,100		42.5	58.7		49.1	40.2	38.9	43.5	41.1	37.5	52.5	38.7	37.1	50.5	38.5	41.8	38	43.2	40.1	48.8	42.1	35
Zinc	EPA 6010B	101		50.7	47		26.7	17.8	24.5	19.7	30.4	20.1	31.4	21.7	21.9	32.4	25.8	22.8	21.2	25.8	21.8	23.8	23.5	17.5
Petroleum Hydrocarbons (mg/kg)																								
TPH - Diesel Range	NWTPH-Dx	2,000																						
TPH - Motor Oil Range	NWTPH-Dx	2,000																						

Notes:
Re. = Reanalysis

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	2-60-DP-01-12-W / 2-60-DP-01 / 12 - 12 / 8/4/2005	2-60-DP-01-42-W / 2-60-DP-01 / 42 - 42 / 8/4/2005	2-60-DP-02-12-W / 2-60-DP-02 / 12 - 12 / 8/4/2005	2-60-DP-02-22-W / 2-60-DP-02 Duplicate / 12 - 12 / 8/4/2005	2-60-DP-02-42-W / 2-60-DP-02 / 42 - 42 / 8/4/2005	2-60-DP-03-12-W / 2-60-DP-03 / 12 - 12 / 8/5/2005	2-60-DP-03-42-W / 2-60-DP-03 / 42 - 42 / 8/5/2005	2-60-DP-04-12-W / 2-60-DP-04 / 12 - 12 / 8/8/2005	2-60-DP-04-42-W / 2-60-DP-04 / 42 - 42 / 8/8/2005	2-60-DP-05-12-W / 2-60-DP-05 / 12 - 12 / 8/8/2005	2-60-DP-05-42-W / 2-60-DP-05 / 42 - 42 / 8/9/2005	2-60-DP-06-12-W / 2-60-DP-06 / 12 - 12 / 8/9/2005	2-60-DP-06-12-W / 2-60-DP-06 Dilution / 12 - 12 / 8/9/2005	2-60-DP-06-42-W / 2-60-DP-06 / 42 - 42 / 8/9/2005
VOCs (µg/L)																		
Chloromethane	EPA 8260B	26.3		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	0.2 U	0.2 U	0.3	1 U	0.3
Vinyl Chloride	EPA 8260B	0.731		0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.3	0.2 U	0.4	0.2 U	0.2 U	0.2	1 U	0.2 U
Acetone	EPA 8260B			2.1 U	2.6 U	1 U	1.5 U	2 U	1.5 U	2.2 U	1.5	1.2	3.6	1.1 U	2.1 U	5 U	1.2 U
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		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	0.2 U	0.2 U	0.3	1 U	0.2 U
1,1-Dichloroethane	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		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	0.2 U	0.2 U	2.6	2.3	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		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	0.3	0.2 U	40 E	38	0.2 U
Chloroform	EPA 8260B	56.1		0.2 U	0.2 U	0.3	0.2	0.2 U	0.2 U	0.2 U	1.1	0.2 U	0.2	0.2 U	0.2 U	1 U	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Trichloroethene	EPA 8260B	0.302		0.2	0.2 U	0.6	0.6	0.2 U	0.2	0.2 U	0.2 U	0.2 U	1.1	0.2 U	28 E	29	0.2 U
1,1,2-Trichloroethane	EPA 8260B	5		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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Benzene	EPA 8260B	4.48		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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Tetrachloroethene	EPA 8260B	0.822		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	0.2 U	0.2 U	6.3	7.8	0.2 U
Toluene	EPA 8260B	15000		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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Ethylbenzene	EPA 8260B	2100		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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Trichlorofluoromethane	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U
o-Xylene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Isopropylbenzene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
n-Propylbenzene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
tert-Butylbenzene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
sec-Butylbenzene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
4-Isopropyltoluene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
n-Butylbenzene	EPA 8260B			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	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
SVOCs (µg/L)																		
Naphthalene	EPA 8270D	2440									1 U	1 U	1 U	1 U	1 U		1 U
Di-n-Butylphthalate	EPA 8270D	1440									1.2	1 U	1 U	1	1.1		1.2
bis(2-Ethylhexyl)phthalate	EPA 8270D	3									23 U	1 U	1.1 U	1 U	1 U		1.4 U
Naphthalene	EPA 8270SIM	2440									0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
PCBs (µg/L)																		
Aroclor 1260	EPA 8082	0.01																
Total PCB	EPA 8082	0.01																
Inorganics (Total) (µg/L)																		
Aluminum	EPA 6010B																	
Arsenic	EPA 200.8	8																
Barium	EPA 6010B																	
Cobalt	EPA 6010B																	
Copper	EPA 200.8	8																
Iron	EPA 6010B																	
Lead	EPA 200.8	8.1																
Magnesium	EPA 6010B																	
Manganese	EPA 6010B	2000																
Mercury	EPA 1631E	0.025																
Molybdenum	EPA 6010B																	
Nickel	EPA 200.8	8.2																
Selenium	EPA 200.8	71																
Vanadium	EPA 6010B	2810																
Zinc	EPA 6010B	81																
Cyanide	EPA 335.2	5									5 U	5 U	5 U	5 U	5 U		5 U
Inorganics (Dissolved) (µg/L)																		
Aluminum	EPA 6010B			50 U	60	50 U	80	100	50 U	150	50 U	50 U	50 U	50 U	50 U		50 U
Arsenic	EPA 200.8	8		1.8	0.7	1.9	2	0.4	0.9	0.6	0.6	0.5 U	1.1	0.5	2.2		0.5 U
Barium	EPA 6010B			13	3 U	12	12	3	12	4	3 U	25	3 U	9	3		6
Cobalt	EPA 6010B			3	3 U	3 U	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U		3 U
Copper	EPA 200.8	8		5.7	1.6	4.9	4.6	1	3.1	1.6	1	1.2	8.5	0.5 U	7		0.6
Iron	EPA 6010B			390	4890	730	840	7180	420	4930	1310	43600	1050	26900	1370		13000
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U
Magnesium	EPA 6010B			46100	5100	31100	29600	9220	73500	12000	10900	27000	31100	57600	27100		21000
Manganese	EPA 6010B	2000		17	254	27	29	574	25	338	61	1440	315	2260	373		820
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U
Molybdenum	EPA 6010B			7	7	8	8	8	5	6	5 U	5 U	5	5 U	6		5 U
Nickel	EPA 200.8	8.2		3.2	6.7	3.7	4.1	5.5	4	7.5	2.2	1.8	6.3	2.2	37.8		7
Selenium	EPA 200.8	71		3	0.5 U	2	2	0.5 U	2	0.9	0.5 U	2 U	2 U	1.4	1.7		2 U
Vanadium	EPA 6010B	2810		15	3	14	13	3 U	7	6	12	3 U	9	3 U	15		3 U
Zinc	EPA 6010B	81		6 U	39	7	9	43	8	32	10	12	11	9	158		10
Petroleum Hydrocarbons (µg/L)																		
TPH - Gasoline Range	NWTPH-Gx	800																
TPH - Diesel Range	NWTPH-Dx-Cleaned	500																
Conventional Parameters (mg/L)																		
Nitrate (as Nitrogen)	EPA 300.0										3.6	1 U			4.7		0.5 U
Nitrite (as Nitrogen)	EPA 300.0										0.1 U	1 U			0.2		0.5 U
Ammonia (as Nitrogen)	EPA 350.1										0.038	0.682			0.037		1.76
Sulfate	EPA 300.0										25.6	47.1			316		91.8
Sulfide	EPA 376.2										0.05 U	0.05 U			0.05 U		0.05 U
Total Organic Carbon	EPA 415.1										1.5 U	3.03			7.44		4.83

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	2-60-DP-07-12-W / 2-60-DP-07 / 12 - 12 / 8/9/2005	2-60-DP-07-42-W / 2-60-DP-07 / 42 - 42 / 8/10/2005	2-60-DP-08-12-W / 2-60-DP-08 / 12 - 12 / 8/10/2005	2-60-DP-08-42-W / 2-60-DP-08 / 42 - 42 / 8/10/2005	2-60-DP-09-12-W / 2-60-DP-09 / 12 - 12 / 8/10/2005	2-60-DP-09-22-W / 2-60-DP-09 Duplicate / 12 - 12 / 8/10/2005	2-60-DP-09-42-W / 2-60-DP-09 / 42 - 42 / 8/10/2005	2-60-DP-10-12-W / 2-60-DP-10 / 12 - 12 / 8/11/2005	2-60-DP-10-42-W / 2-60-DP-10 / 42 - 42 / 8/11/2005	2-60-DP-11-12-W / 2-60-DP-11 / 12 - 12 / 8/12/2005	2-60-DP-11-42-W / 2-60-DP-11 / 42 - 42 / 8/12/2005	2-60-DP-11-42-W / 2-60-DP-11 Dilution / 42 - 42 / 8/12/2005	2-60-DP-12-12-W / 2-60-DP-12 / 12 - 12 / 8/11/2005	2-60-DP-12-42-W / 2-60-DP-12 / 42 - 42 / 8/11/2005
VOCs (µg/L)																		
Chloromethane	EPA 8260B	26.3		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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		0.2 U	1.4	0.2 U	2.8	0.2 U	0.2 U	2.2	0.2 U	3	0.2 U	14	15	0.2 U	0.9
Acetone	EPA 8260B			1.6	1.6 U	2.1 U	2.8 U	1 U	1 U	1.3	1 U	1	1 U	3 U	5 U	1.9	1.4
Carbon Disulfide	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.3	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	0.8	1 U	1	0.6
cis-1,2-Dichloroethene	EPA 8260B	1550		3.9	0.3	0.5	0.4	0.3	0.3	0.2 U	0.2 U	0.2 U	0.2 U	38 J	45	2.5	28 E
Chloroform	EPA 8260B	56.1		0.2	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	0.2 U	1 U	0.4	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.8	0.2 U	1 U	0.5	0.2 U
Trichloroethene	EPA 8260B	0.302		10	0.2 U	0.2 U	0.2 U	1	1	0.2 U	0.4	0.2 U	0.2 U	0.2 U	1 U	5.1	0.2 U
1,1,2-Trichloroethane	EPA 8260B	5		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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Benzene	EPA 8260B	4.48		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	0.2 U	1.1	1.2	0.2 U	0.2 U
Tetrachloroethene	EPA 8260B	0.822		1.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	1 U	0.7	0.2 U
Toluene	EPA 8260B	15000		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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260B	2100		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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2 U	0.4 U	0.4 U
o-Xylene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260B			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	0.2 U	0.2 U	1 U	0.2 U	0.2 U
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
SVOCs (µg/L)																		
Naphthalene	EPA 8270D	2440		1 U	1 U	1 U	1 U	1 UJ	1 U	1 U								
Di-n-Butylphthalate	EPA 8270D	1440		1.1	1 U	1 U	1 U	1 UJ	1 U	1 U								
bis(2-Ethylhexyl)phthalate	EPA 8270D	3		1 U	1 U	1 U	1 U	1 UJ	1 U	1 U								
Naphthalene	EPA 8270SIM	2440		0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U								
PCBs (µg/L)																		
Aroclor 1260	EPA 8082	0.01																
Total PCB	EPA 8082	0.01																
Inorganics (Total) (µg/L)																		
Aluminum	EPA 6010B																	
Arsenic	EPA 200.8	8																
Barium	EPA 6010B																	
Cobalt	EPA 6010B																	
Copper	EPA 200.8	8																
Iron	EPA 6010B																	
Lead	EPA 200.8	8.1																
Magnesium	EPA 6010B																	
Manganese	EPA 6010B	2000																
Mercury	EPA 1631E	0.025																
Molybdenum	EPA 6010B																	
Nickel	EPA 200.8	8.2																
Selenium	EPA 200.8	71																
Vanadium	EPA 6010B	2810																
Zinc	EPA 6010B	81																
Cyanide	EPA 335.2	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U		5 U	5 U
Inorganics (Dissolved) (µg/L)																		
Aluminum	EPA 6010B			50 U	60	50 U	50 U	50 U	60	50 U	50 U	50 U	50 U	50 U		50	50 U
Arsenic	EPA 200.8	8		2.2	0.5 U	8.8	0.5 U	6.7	6.7	0.5 U	0.4	0.7	0.5	0.3		2.4	0.5 U
Barium	EPA 6010B			5	8	17	7	14	14	13	91	17	87	6		24	10
Cobalt	EPA 6010B			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U		3 U	3 U
Copper	EPA 200.8	8		21	0.5 U	1.3	1.1	1.7	1.7	0.5 U	2.6	0.5 U	2.8	0.7		3.2	0.9
Iron	EPA 6010B			180	10700	13200	4910	7120	7420	6090	420	19900	180	16500		3090	10600
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U
Magnesium	EPA 6010B			61100	20900	21100	18800	10900	11100	78000	42300	22800	70800	18500		40600	25000
Manganese	EPA 6010B	2000		983	576	590	747	523	531	532	176	625	147	372		542	294
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U	0.025 U
Molybdenum	EPA 6010B			5	5 U	5 U	5 U	5 U	5 U	5	6	5 U	5 U	5 U		5 U	5 U
Nickel	EPA 200.8	8.2		8.9	2.4	1.1	5.8	2.3	2.2	2.6	5.8	2.8	5.9	2.3		3.3	5
Selenium	EPA 200.8	71		3	2 U	0.5 U	2 U	0.5 U	0.5 U	2 U	0.5 U	1.6	0.9	1		2 U	2 U
Vanadium	EPA 6010B	2810		13	3 U	3 U	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U		5	3 U
Zinc	EPA 6010B	81		7	13	8	23	6 U	6 U	11	9	18	6 U	7		7	14
Petroleum Hydrocarbons (µg/L)																		
TPH - Gasoline Range	NWTPH-Gx	800																
TPH - Diesel Range	NWTPH-Dx-Cleaned	500																
Conventional Parameters (mg/L)																		
Nitrate (as Nitrogen)	EPA 300.0							0.8	0.8	0.1 U			230	0.1 U			
Nitrite (as Nitrogen)	EPA 300.0							0.1 U	0.1 U	0.1 U			0.1 U	0.5 U			
Ammonia (as Nitrogen)	EPA 350.1							0.072	0.066	10			0.012	0.615			
Sulfate	EPA 300.0							66.9	66.8	0.3			226	47.4			
Sulfide	EPA 376.2							0.05 U	0.05 U	0.05 U			0.05 U	0.05 U			
Total Organic Carbon	EPA 415.1							3.45	3.52	9.99			5.92	5.8			

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	2-60-DP-12-42-W	2-60-DP-13-12-W	2-60-DP-13-42-W	2-60-DP-13-42-W	2-60-DP-14-12-W	2-60-DP-14-42-W	2-60-DP-15-12-W	2-60-DP-15-42-W	2-60-DP-16-12-W	2-60-DP-16-42-W	2-60-DP-17-13-W	2-60-DP-18-12-W	2-60-DP-18-12-W	2-60-DP-19-12-W
			Location:	2-60-DP-12 Dilution	2-60-DP-13	2-60-DP-13	2-60-DP-13 Dilution	2-60-DP-14	2-60-DP-14	2-60-DP-15	2-60-DP-15	2-60-DP-16	2-60-DP-16	2-60-DP-17	2-60-DP-18	2-60-DP-18 Dilution	2-60-DP-19
			Depth (ft bgs):	42 - 42	12 - 12	42 - 42	42 - 42	12 - 12	42 - 42	12 - 12	42 - 42	12 - 12	42 - 42	13 - 13	12 - 12	12 - 12	12 - 12
			Sample Date:	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/15/2005	8/15/2005	9/2/2005	8/5/2005	8/5/2005	8/5/2005
VOCs (µg/L)																	
Chloromethane	EPA 8260B	26.3		0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		0.6	0.2 U	3.8	3.7	0.5	0.5	0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.2 U	0.6 U	0.2 U
Acetone	EPA 8260B			3 U	1.7	1.6	10 U	1 U	2.1 U	1.1 U	2.8 U	2 U	2.6 U	2.4	4.4 U	6.3 U	1.5 U
Carbon Disulfide	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.6 U	0.2 U	0.3	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	0.6 U	0.2 U
1,1-Dichloroethane	EPA 8260B			0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	6.6	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.7	0.2 U	1.2	2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2	1.7	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		32	0.2 U	54 ES	90	0.6	0.2 U	0.2	0.2 U	1	0.2 U	0.2 U	26 E	27	0.2 U
Chloroform	EPA 8260B	56.1		0.6 U	0.3	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8	0.2 U	0.6 U	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.6 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.6 U	0.6	0.2 U	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	0.6 U	0.2 U
Trichloroethene	EPA 8260B	0.302		0.6 U	4.6	0.2	2 U	0.2	0.2 U	1.9	0.2 U	0.2 U	0.2 U	0.8	8.7	8.2	1.3
1,1,2-Trichloroethane	EPA 8260B	5		0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
Benzene	EPA 8260B	4.48		0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
Tetrachloroethene	EPA 8260B	0.822		0.6 U	2.8	0.2 U	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	0.6 U	0.2 U
Toluene	EPA 8260B	15000		0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
Ethylbenzene	EPA 8260B	2100		0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
Trichlorofluoromethane	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
m,p-Xylene	EPA 8260B			1.2 U	0.4 U	0.4 U	4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.2 U	0.4 U
o-Xylene	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
Isopropylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
n-Propylbenzene	EPA 8260B			0.6 UJ	0.2 U	0.2 U	2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U
tert-Butylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
sec-Butylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
4-Isopropyltoluene	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
n-Butylbenzene	EPA 8260B			0.6 U	0.2 U	0.2 U	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	0.6 U	0.2 U
Naphthalene	EPA 8260B	2440		1.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U
SVOCs (µg/L)																	
Naphthalene	EPA 8270D	2440								1 U	1 U	1 U	1 U		1 U		1 U
Di-n-Butylphthalate	EPA 8270D	1440								1 U	1 U	12	1 U		1 U		1 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	3								1 U	1.6	3.4	3.2		1 U		1 U
Naphthalene	EPA 8270SIM	2440								0.1 U	0.1 U	0.1 U	0.1 U		0.1 U		0.1 U
PCBs (µg/L)																	
Aroclor 1260	EPA 8082	0.01								0.073	0.016 J	0.053 J	0.01 U	0.01 U	0.01 U		0.017
Total PCB	EPA 8082	0.01								0.073	0.016 J	0.053 J	0.01 U	0.01 U	0.01 U		0.017
Inorganics (Total) (µg/L)																	
Aluminum	EPA 6010B																
Arsenic	EPA 200.8	8															
Barium	EPA 6010B																
Cobalt	EPA 6010B																
Copper	EPA 200.8	8															
Iron	EPA 6010B																
Lead	EPA 200.8	8.1															
Magnesium	EPA 6010B																
Manganese	EPA 6010B	2000															
Mercury	EPA 1631E	0.025															
Molybdenum	EPA 6010B																
Nickel	EPA 200.8	8.2															
Selenium	EPA 200.8	71															
Vanadium	EPA 6010B	2810															
Zinc	EPA 6010B	81															
Cyanide	EPA 335.2	5		5 U	5 U		5 U	5 U		5 U	5 U	5 U	5 U		64		5 U
Inorganics (Dissolved) (µg/L)																	
Aluminum	EPA 6010B			50 U	50 U		50 U	50 U		50 U	50 U	50 U	50 U	50 U	50 U		70
Arsenic	EPA 200.8	8		0.6	0.4		9.6	0.5 U		0.4	0.6	1.2	0.3	1	0.9		0.7
Barium	EPA 6010B			3 U	5		12	11		10	8	26	4	3	3		3 U
Cobalt	EPA 6010B			3 U	3 U		3 U	3 U		3 U	3 U	3 U	3 U	3 U	3 U		3
Copper	EPA 200.8	8		3.3	0.6		2.8	0.5 U		4.3	0.8	1.6	0.5 U	5.4	2.7		5
Iron	EPA 6010B			260	12000		6340	20700		60	29900	31000	14700	120	3240		210
Lead	EPA 200.8	8.1		1 U	1 U		1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		1 U
Magnesium	EPA 6010B			25700	17200		13500	37700		15900	44500	49300	14800	12700	15200		6700
Manganese	EPA 6010B	2000		17	236		541	1050		47	1300	1830	424	20	83		24
Mercury	EPA 1631E	0.025		0.025 U	0.025 U		0.025 U	0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U
Molybdenum	EPA 6010B			5 U	5 U		5 U	5		7	5 U	5 U	5 U	5 U	5 U		5
Nickel	EPA 200.8	8.2		13.4	3.9		2.7	3.5		7.3	6.8	3	3.5	1.6	3.1		2.6
Selenium	EPA 200.8	71		2 U	0.7		0.5	2 U		0.5 U	1.3	0.6	0.7	1.8	2.1		1.2
Vanadium	EPA 6010B	2810		5	3 U		4	3 U		3 U	3 U	11	3 U	29	9		5
Zinc	EPA 6010B	81		6	11		6 U	15		6	33	6 U	36	6 U	6 U		6 U
Petroleum Hydrocarbons (µg/L)																	
TPH - Gasoline Range	NWTPH-Gx	800															
TPH - Diesel Range	NWTPH-Dx-Cleaned	500															
Conventional Parameters (mg/L)																	
Nitrate (as Nitrogen)	EPA 300.0			19.6	0.1 U					1.1	0.1 U						
Nitrite (as Nitrogen)	EPA 300.0			2 U	0.1 U					0.1 U	2 U						
Ammonia (as Nitrogen)	EPA 350.1			0.024	0.31					0.017	2.95						
Sulfate	EPA 300.0			55.4	96.7					112	148						
Sulfide	EPA 376.2			0.05 U	0.05 U					0.05 U	0.05 U						
Total Organic Carbon	EPA 415.1			3.17	5.29					4.96	5.65						

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	2-60-DP-20-12-W	2-60-DP-21-12-W	2-60-DP-22-12-W	2-60-DP-23-12-W	2-60-DP-24-12-W	2-60-DP-24-22-W	2-60-DP-25-12-W	2-60-DP-25-12-W	2-60-DP-25-42-W	2-60-DP-26-12-W	2-60-DP-26-42-W	2-60-PL2-310A-14-W	2-60-PL2-311A-13-W	2-60-PL2-311A-13-W
			Location:	2-60-DP-20	2-60-DP-21	2-60-DP-22	2-60-DP-23	2-60-DP-24	2-60-DP-24 Duplicate	2-60-DP-25	2-60-DP-25 Dilution	2-60-DP-25	2-60-DP-26	2-60-DP-26	PL2-310A	PL2-311A	PL2-311A Dilution
			Depth (ft bgs):	12 - 12	12 - 12	12 - 12	12 - 12	12 - 12	12 - 12	12 - 12	12 - 12	42 - 42	12 - 12	42 - 42	9 - 19	8 - 18	8 - 18
			Sample Date:	8/8/2005	8/23/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/15/2005	8/15/2005	8/15/2005	8/15/2005	8/15/2005	8/16/2005	8/16/2005	8/16/2005
VOCs (µg/L)																	
Chloromethane	EPA 8260B	26.3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 UJ	15 UJ	
Vinyl Chloride	EPA 8260B	0.731		0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	2	0.2 U	0.4	10 U	15 U	
Acetone	EPA 8260B			1 U	2.6 U	1.4 U	2.1 U	1.4 U	1 U	4 U	30 U	1.7 U	6.4 U	2 U	50 U	75 U	
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2	10 U	15 U	
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
1,1-Dichloroethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2	0.2 U	0.2 U	10 U	15 U	
cis-1,2-Dichloroethene	EPA 8260B	1550		1.8	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.5	6 U	0.2 U	0.8	0.2 U	10 U	15 U	
Chloroform	EPA 8260B	56.1		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.1	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
Trichloroethene	EPA 8260B	0.302		2.5	0.2 U	0.2 U	1.5	1.5	1.6	88 ES	250	0.2 U	7.4	0.2 U	10 U	15 U	
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.6	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
Benzene	EPA 8260B	4.48		0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	110	38	
Tetrachloroethene	EPA 8260B	0.822		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
Toluene	EPA 8260B	15000		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	31	67	
Ethylbenzene	EPA 8260B	2100		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	700	850	
Trichlorofluoromethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	12 U	0.4 U	0.4 U	0.4 U	100	1900	
o-Xylene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	25	420	
1,3,5-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	290	
1,2,4-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	380	1200	
Isopropylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	51	64	
n-Propylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	170	130	
tert-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
sec-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10 U	15 U	
4-Isopropyltoluene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	10	15 U	
n-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6 U	0.2 U	0.2 U	0.2 U	17	29	
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15 U	0.5 U	0.5 U	0.5 U	300	600	
SVOCs (µg/L)																	
Naphthalene	EPA 8270D	2440		1 U				1 U	1 U								
Di-n-Butylphthalate	EPA 8270D	1440		1 U				1 U	1 U								
bis(2-Ethylhexyl)phthalate	EPA 8270D	3		1.1 U				1 U	1 U								
Naphthalene	EPA 8270SIM	2440		0.1 U				0.1 U	0.1 U								
PCBs (µg/L)																	
Aroclor 1260	EPA 8082	0.01		0.01 U			0.01 U	0.01 U	0.01 U								
Total PCB	EPA 8082	0.01		0.01 U			0.01 U	0.01 U	0.01 U								
Inorganics (Total) (µg/L)																	
Aluminum	EPA 6010B														90	60	
Arsenic	EPA 200.8	8													7.6	7.5	
Barium	EPA 6010B														68	91	
Cobalt	EPA 6010B														3 U	3 U	
Copper	EPA 200.8	8													0.5 U	0.5 U	
Iron	EPA 6010B														9810	11100	
Lead	EPA 200.8	8.1													3	8	
Magnesium	EPA 6010B														46100	138000	
Manganese	EPA 6010B	2000													643	344	
Mercury	EPA 1631E	0.025													0.025 U	0.025 U	
Molybdenum	EPA 6010B														5 U	5 U	
Nickel	EPA 200.8	8.2													1.1	1.7	
Selenium	EPA 200.8	71													2 U	2 U	
Vanadium	EPA 6010B	2810													6	10	
Zinc	EPA 6010B	81													6 U	6 U	
Cyanide	EPA 335.2	5		5 U		5 U	5 U	5 U	5 U								
Inorganics (Dissolved) (µg/L)																	
Aluminum	EPA 6010B			60	50	50 U	50 U	50 U	50 U	460		50 U	50 U	170	50 U	50 U	
Arsenic	EPA 200.8	8		0.4	47	6.2	0.8	0.6	0.6	2.9		0.5 U	0.9	0.8	6.8	7.6	
Barium	EPA 6010B			3 U	20	6	3	10	10	29		22	52	8	68	87	
Cobalt	EPA 6010B			3 U	23	3 U	3 U	3 U	3 U	5		3 U	8	3 U	3 U	3 U	
Copper	EPA 200.8	8		1.6	0.5 U	0.5 U	1.4	2.6	2.7	74.6		0.5 U	8.8	0.5 U	0.5 U	0.5 U	
Iron	EPA 6010B			5260	87100	7840	50	180	170	2090		18800	150	12100	9630	6000	
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U	1 U	1 U	2		1 U	1 U	1 U	3	3	
Magnesium	EPA 6010B			7390	30000	6430	5150	10300	10100	16200		33700	35800	8110	47500	135000	
Manganese	EPA 6010B	2000		58	2250	161	5	21	21	131		992	374	346	646	317	
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.106		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
Molybdenum	EPA 6010B			5 U	5	5 U	5 U	5 U	5 U	8		5	24	5 U	5 U	5 U	
Nickel	EPA 200.8	8.2		1.7	3.1	0.8	2.2	2.8	2.8	27		3.6	7.2	10.4	1	1.4	
Selenium	EPA 200.8	71		0.6	1.6	0.5 U	0.5 U	0.5 U	0.5 U	2.4		2 U	1.1	0.9	2 U	2 U	
Vanadium	EPA 6010B	2810		3 U	16	3 U	3 U	3 U	3 U	21		3 U	6	4	6	8	
Zinc	EPA 6010B	81		7	18	6	6 U	6 U	6	27		22	10	66	6 U	6 U	
Petroleum Hydrocarbons (µg/L)																	
TPH - Gasoline Range	NWTPH-Gx	800													12000	24000 E	23000
TPH - Diesel Range	NWTPH-Dx-Cleaned	500													380 J	540 J	
Conventional Parameters (mg/L)																	
Nitrate (as Nitrogen)	EPA 300.0															0.1 U	
Nitrite (as Nitrogen)	EPA 300.0															2 U	
Ammonia (as Nitrogen)	EPA 350.1															0.684	
Sulfate	EPA 300.0															1	
Sulfide	EPA 376.2															1.7	
Total Organic Carbon	EPA 415.1															10.4	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	2-60-PL2-311A-13-WW PL2-311A Duplicate 8 - 18 8/16/2005	2-60-PL2-311A-13-WW PL2-311A Duplicate Dilution 8 - 18 8/16/2005	2-60-PL2-312A-13-W PL2-312A 8 - 18 8/17/2005	2-60-PL2-314A-13-W PL2-314A 8.5 - 18.5 8/24/2005	2-60-PL2-315A-13-W PL2-315A 8.5 - 18.5 8/18/2005	2-60-PL2-315B-45-W PL2-315B 40 - 50 8/18/2005	2-60-PL2-315B-45-W-08252005 PL2-315B 40 - 50 8/25/2005	2-60-PL2-316A-13-W PL2-316A 8 - 18 8/24/2005	2-60-PL2-316A-13-W PL2-316A Dilution 8 - 18 8/24/2005	2-60-PL2-316B-45-W PL2-316B 40 - 50 8/24/2005	2-60-PL2-316C-80-W PL2-316C 75 - 85 8/24/2005
VOCs (µg/L)														
Chloromethane	EPA 8260B	26.3		15 UJ		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		15 U		0.9	0.2 U	0.2 U	1.8		0.5	1 U	0.2 U	0.2 U
Acetone	EPA 8260B			75 U		3.7 U	1 U	2.1 J	1 U		1.8 U	5 U	3.5 U	2.3 U
Carbon Disulfide	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		15 U		0.2 U	0.2 U	0.5 J	0.2 U		1.1	1.2	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		15 U		0.3	0.2 U	15 J	0.2		36 E	37	0.2 U	0.2 U
Chloroform	EPA 8260B	56.1		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Trichloroethene	EPA 8260B	0.302		15 U		0.2 U	0.2 U	10 J	0.2 U		8.5	8	0.2 U	0.2 U
1,1,2-Trichloroethane	EPA 8260B	5		15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Benzene	EPA 8260B	4.48		41		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Tetrachloroethene	EPA 8260B	0.822		15 U		0.2 U	0.2 U	3 J	0.2 U		1.2	1.2	0.2 U	0.2 U
Toluene	EPA 8260B	15000		67		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260B	2100		900		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260B			2000		0.4 U	0.4 U	0.4 U	0.4 U		0.4 U	2 U	0.4 U	0.4 U
o-Xylene	EPA 8260B			440		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			300		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			1300		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260B			69		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260B			130		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260B			15 U		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260B			29		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	1 U	0.2 U	0.2 U
Naphthalene	EPA 8260B	2440		630		0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	2.5 U	0.5 U	0.5 U
SVOCs (µg/L)														
Naphthalene	EPA 8270D	2440												
Di-n-Butylphthalate	EPA 8270D	1440												
bis(2-Ethylhexyl)phthalate	EPA 8270D	3												
Naphthalene	EPA 8270SIM	2440												
PCBs (µg/L)														
Aroclor 1260	EPA 8082	0.01						0.01 U						
Total PCB	EPA 8082	0.01						0.01 U						
Inorganics (Total) (µg/L)														
Aluminum	EPA 6010B			70		50 U	190	50 U	50 U		550		50 U	250 U
Arsenic	EPA 200.8	8		7.5		7.6	0.9	1.6	0.5 U		1.7		0.7	1
Barium	EPA 6010B			93		3 U	5	3 U	9		4		16	130
Cobalt	EPA 6010B			3 U		3 U	3 U	3 U	3 U		3 U		3 U	20 U
Copper	EPA 200.8	8		0.5 U		4	8	9.5	0.5		7.1		0.5 U	1 U
Iron	EPA 6010B			15300		6810	660	50 U	15300		500		7380	18800
Lead	EPA 200.8	8.1		11		1 U	1 U	1 U	1 U		1 U		1 U	2 U
Magnesium	EPA 6010B			138000		7790	25100	16400	18900		6470		70200	531000
Manganese	EPA 6010B	2000		373		297	467	44	654		101		680	330
Mercury	EPA 1631E	0.025		0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U	0.025 U
Molybdenum	EPA 6010B			5		6	8	6	5 U		9		5	30
Nickel	EPA 200.8	8.2		1.6		1.8	4.7	2.1	0.8		3.2		0.7	5
Selenium	EPA 200.8	71		2 U		0.7	2.4	1	2 U		0.7		2.9	6
Vanadium	EPA 6010B	2810		12		19	6	27	3 U		17		3 U	20 U
Zinc	EPA 6010B	81		6 U		6 U	6 U	6	8		28		6 U	30 U
Cyanide	EPA 335.2	5					9	5 U	5 U		5 U		5 U	
Inorganics (Dissolved) (µg/L)														
Aluminum	EPA 6010B			50 U		50 U	50 U	50 U	50 U		50 U		50 U	250 U
Arsenic	EPA 200.8	8		6.6		7.4	1	1.6	0.5 U		1.5		0.9	3.7
Barium	EPA 6010B			85		3 U	4	3 U	10		3 U		16	110
Cobalt	EPA 6010B			3 U		3 U	3 U	3 U	3 U		3 U		3 U	20 U
Copper	EPA 200.8	8		0.5 U		2.8	7.7	9.2	0.5 U		6.3		0.5 U	1 U
Iron	EPA 6010B			5430		5320	590	50 U	17400		140		7040	16800
Lead	EPA 200.8	8.1		3		1 U	1 U	1 U	1 U		1 U		1 U	2 U
Magnesium	EPA 6010B			130000		8580	25500	16700	21200		6160		69000	517000
Manganese	EPA 6010B	2000		303		333	494	23	727		76		667	318
Mercury	EPA 1631E	0.025		0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		0.025 U	0.025 U
Molybdenum	EPA 6010B			5 U		6	8	6	5 U		9		5 U	30
Nickel	EPA 200.8	8.2		1.8		1.9	5	2	0.8		3.2		1	5
Selenium	EPA 200.8	71		2 U		0.5	2.1	1	2 U		1 U		2	5
Vanadium	EPA 6010B	2810		8		19	5	27	3 U		14		3 U	20 U
Zinc	EPA 6010B	81		6 U		6 U	11	6 U	6 U		8		8	30 U
Petroleum Hydrocarbons (µg/L)														
TPH - Gasoline Range	NWTPH-Gx	800		25000 E	22000									
TPH - Diesel Range	NWTPH-Dx-Cleaned	500		470 J										
Conventional Parameters (mg/L)														
Nitrate (as Nitrogen)	EPA 300.0			0.1 U				12.1	0.1 U		0.1 U		0.1 U	
Nitrite (as Nitrogen)	EPA 300.0			2 U				0.1 U	1 U		0.1 U		1 U	
Ammonia (as Nitrogen)	EPA 350.1			0.661				0.015	1.61		0.084		7.97	
Sulfate	EPA 300.0			0.8				99.8	46.2		23.6		1 U	
Sulfide	EPA 376.2			1.17				0.05 U	0.05 U		0.05 U		0.05 U	
Total Organic Carbon	EPA 415.1			10.8				8.14	5.97		6.32		9.37	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	2-60-PL2-317AR-13-W PL2-317AR 8 - 18 8/17/2005	2-60-PL2-319A-13-W PL2-319A 8 - 18 8/25/2005	2-60-PL2-325A-13-W PL2-325A 8 - 18 8/17/2005	2-60-PL2-325A-13-W PL2-325A Dilution 8 - 18 8/17/2005	2-60-PL2-325B-45-W PL2-325B 40 - 50 8/17/2005	2-60-PL2-326A-13-W PL2-326A 8 - 18 8/17/2005	2-60-PL2-326B-45-W PL2-326B 40 - 50 8/17/2005	2-60-PL2-327A-13-W PL2-327A 8 - 18 8/18/2005	2-60-PL2-327A-13-WW PL2-327A Duplicate 8 - 18 8/18/2005	2-60-PL2-327B-45-W PL2-327B 40 - 50 8/18/2005	2-60-PL2-328A-13-W PL2-328A 8 - 18 8/24/2005	2-60-PL2-328B-45-W PL2-328B 40 - 50 8/24/2005
VOCs (µg/L)															
Chloromethane	EPA 8260B	26.3		0.2 U	0.2 U	0.2 U	0.6 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
Vinyl Chloride	EPA 8260B	0.731		0.3	0.2 U	0.2 U	0.6 U	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	3.8
Acetone	EPA 8260B			2.3 U	2.6	2 U	3 U	1.4 U	1.6 U	3.3 U	2.2	1.8	1.3	2 U	1.3 U
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	0.2 U	0.2 U	0.6 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
1,1-Dichloroethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	0.2 U	0.2 U	0.6 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
cis-1,2-Dichloroethene	EPA 8260B	1550		0.2	0.2 U	0.4	0.6 U	0.2 U	0.2 U	0.2 U	1.4	1.3	0.2 U	1.7	0.3
Chloroform	EPA 8260B	56.1		0.2 U	0.2 U	0.2 U	0.6 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
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	0.2 U	0.2 U	0.6 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
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.6 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
Trichloroethene	EPA 8260B	0.302		0.7	0.2 U	28 E	29	0.2 U	4.4	0.2 U	7.4	6.5	0.2 U	2.8	0.2 U
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	0.2 U	0.2 U	0.6 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
Benzene	EPA 8260B	4.48		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4
Tetrachloroethene	EPA 8260B	0.822		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.9	0.8	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260B	15000		0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260B	2100		0.2 U	0.2 U	0.2 U	0.6 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
Trichlorofluoromethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	1.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
1,3,5-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
1,2,4-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
Isopropylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
n-Propylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
tert-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
sec-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
4-Isopropyltoluene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
n-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.6 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
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SVOCs (µg/L)															
Naphthalene	EPA 8270D	2440													
Di-n-Butylphthalate	EPA 8270D	1440													
bis(2-Ethylhexyl)phthalate	EPA 8270D	3													
Naphthalene	EPA 8270SIM	2440													
PCBs (µg/L)															
Aroclor 1260	EPA 8082	0.01													
Total PCB	EPA 8082	0.01													
Inorganics (Total) (µg/L)															
Aluminum	EPA 6010B			50 U	390	50 U		50 U	50 U	50 U	340	260	50 U	50 U	70
Arsenic	EPA 200.8	8		4.8	1.5	0.7		0.5 U	2.6	0.5 U	0.7	0.6	0.3	1.4	0.4
Barium	EPA 6010B			7	5	14		18	3 U	14	4	3	3 U	5	7
Cobalt	EPA 6010B			3 U	3 U	3 U		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8		2.2	2.7	6.4		0.5 U	14.6	0.5 U	13.6	13.5	0.5 U	5	0.5 U
Iron	EPA 6010B			5200	4720	50 U		19000	50 U	15700	1460	1220	10000	50 U	15400
Lead	EPA 200.8	8.1		1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B			11900	16800	13000		40200	33500	63500	24000	21700	15200	11700	27700
Manganese	EPA 6010B	2000		300	204	2		1020	150	1900	379	340	707	46	999
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Molybdenum	EPA 6010B			10	5	7		5 U	8	5 U	6	6	5 U	5	5 U
Nickel	EPA 200.8	8.2		1.7	3.5	1.7		0.9	8	1.3	8.2	8.3	0.6	2.7	0.7
Selenium	EPA 200.8	71		0.5 U	2 U	0.5		2 U	1	2 U	2 U	2 U	0.9	1.3	1.4
Vanadium	EPA 6010B	2810		3 U	9	3 U		3 U	23	3 U	17	15	3 U	18	3 U
Zinc	EPA 6010B	81		7	10	6 U		6 U	6 U	6 U	7	6 U	9	6 U	6 U
Cyanide	EPA 335.2	5				5 U			7	5 U	6	5 U	5 U	5 U	5 U
Inorganics (Dissolved) (µg/L)															
Aluminum	EPA 6010B			50 U	50 U	50 U		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	8		4	1.5	0.7		0.5 U	2	0.5 U	0.5 U	0.5 U	0.2	1.2	0.4
Barium	EPA 6010B			5	3	15		21	3 U	14	3 U	3 U	3	4	7
Cobalt	EPA 6010B			3 U	3 U	3 U		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8		1.9	1.2	8.7		0.5 U	13.8	0.5 U	13	13.2	0.5 U	4.6	0.5 U
Iron	EPA 6010B			3630	4530	50 U		21300	50 U	15600	640	670	10000	50 U	14900
Lead	EPA 200.8	8.1		1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B			11600	17800	14400		45700	31300	62900	22200	23800	15400	11800	27500
Manganese	EPA 6010B	2000		256	218	2		1160	141	1880	345	369	708	45	967
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Molybdenum	EPA 6010B			10	6	8		5 U	8	5 U	6	6	5 U	5 U	5 U
Nickel	EPA 200.8	8.2		1.7	3.4	2		1	7.6	1.5	8.2	8.3	0.5	2.6	1
Selenium	EPA 200.8	71		0.5 U	2 U	0.6		2 U	2 U	2 U	2 U	2 U	0.8	1	0.5 U
Vanadium	EPA 6010B	2810		3 U	8	3 U		3 U	23	3 U	14	14	3 U	18	3 U
Zinc	EPA 6010B	81		6 U	8	9		6 U	9	6 U	6 U	6 U	6	19	9
Petroleum Hydrocarbons (µg/L)															
TPH - Gasoline Range	NWTPH-Gx	800													
TPH - Diesel Range	NWTPH-Dx-Cleaned	500													
Conventional Parameters (mg/L)															
Nitrate (as Nitrogen)	EPA 300.0			0.6		12.8		0.1 U	56	0.1 U					
Nitrite (as Nitrogen)	EPA 300.0			0.1 U		0.5 U		1 U	1 U	1 U					
Ammonia (as Nitrogen)	EPA 350.1			0.228		0.039		3.92	0.048	3.53					
Sulfate	EPA 300.0			28.4		67.5		0.1 U	244	18.8					
Sulfide	EPA 376.2			0.05 U		0.05 U		0.05 U	0.05 U	0.05 U					
Total Organic Carbon	EPA 415.1			4.37		7.01		7.07	9.56	6.19					

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID:	2-60-PL2-328B-45-WW	2-60-PL2-329A-13-W	2-60-PL2-329B-45-W	2-60-PL2-330A-13-W	2-60-PL2-330A-13-W	2-60-PL2-330B-45-W	2-60-PL2-331A-13-W	2-60-PL2-331A-13-WW	2-60-PL2-331B-45-W	2-60-PL2-332A-13-W	2-60-PL2-604A-13-W	2-60-PL2-605A-13-W
			Location:	PL2-328B Duplicate	PL2-329A	PL2-329B	PL2-330A	PL2-330A Dilution	PL2-330B	PL2-331A	PL2-331A Duplicate	PL2-331B	PL2-332A	PL2-604A	PL2-605A
			Depth (ft bgs):	40 - 50	8 - 18	40 - 50	8 - 18	8 - 18	40 - 50	8 - 18	8 - 18	40 - 50	8 - 18	13 - 13	13 - 13
			Sample Date:	8/24/2005	8/25/2005	8/25/2005	8/25/2005	8/25/2005	8/25/2005	8/25/2005	8/25/2005	8/25/2005	8/17/2005	8/30/2005	8/30/2005
VOCs (µg/L)															
Chloromethane	EPA 8260B	26.3		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	EPA 8260B	0.731		4	0.2 U	3.7	0.2 U	0.6 U	3.6	0.2 U	0.2 U	3.1	0.2 U	0.2 U	0.5
Acetone	EPA 8260B			1.7 U	1 U	1 U	3	3 U	2.2 U	1.8	3	1.6	1.7 U	32 U	1 U
Carbon Disulfide	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	0.2 U	0.2 U	0.3	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.3	0.3	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	0.2 U	0.2 U	1.2	1.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260B	1550		0.3	0.2 U	0.4	22 E	22	0.6	0.7	0.7	0.4	0.2 U	0.2 U	0.8
Chloroform	EPA 8260B	56.1		0.2 U	0.5	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260B	0.302		0.2 U	2.9 J	0.2 U	29	27	0.2 U	0.6	0.7	0.2 U	0.2 U	0.4 Y	1
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260B	4.48		0.4	0.2 U	0.3	0.2 U	0.6 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	5	2.5
Tetrachloroethene	EPA 8260B	0.822		0.2 U	0.2 U	0.2 U	6.8	6.3	0.2 U	1.6	1.5	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260B	15000		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260B	2100		0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5	0.2 U
Trichlorofluoromethane	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U
m,p-Xylene	EPA 8260B			0.4 U	0.4 U	0.4 U	0.4 U	1.2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5	0.4 U
o-Xylene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U
1,3,5-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U
Isopropylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	6	0.9
n-Propylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.2	0.2 U
tert-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.1	0.5
4-Isopropyltoluene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260B			0.2 U	0.2 U	0.2 U	0.2 U	0.6 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 J	0.2 U
Naphthalene	EPA 8260B	2440		0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6
SVOCs (µg/L)															
Naphthalene	EPA 8270D	2440													
Di-n-Butylphthalate	EPA 8270D	1440													
bis(2-Ethyihexyl)phthalate	EPA 8270D	3													
Naphthalene	EPA 8270SIM	2440													
PCBs (µg/L)															
Aroclor 1260	EPA 8082	0.01			0.01 U		0.01 U								
Total PCB	EPA 8082	0.01			0.01 U		0.01 U								
Inorganics (Total) (µg/L)															
Aluminum	EPA 6010B			70	550	50 U	50 U	50 U	50 U	50 U	80	50 U	100	50	
Arsenic	EPA 200.8	8		0.4	1.1	0.5 U	1.2	0.3	0.7	0.7	0.5 U	0.5	13	18.2	
Barium	EPA 6010B			7	4	8	3 U	6	24	25	7	41	12	49	
Cobalt	EPA 6010B			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	5	
Copper	EPA 200.8	8		0.5 U	4.5	0.5 U	7.6	0.5 U	0.5 U	0.5 U	0.5 U	5.7	0.5	0.8	
Iron	EPA 6010B			15300	310	8150	50 U	3840	11700	12300	18700	50 U	8810	52500	
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Magnesium	EPA 6010B			27500	17200	26600	18700	20700	31200	32200	21900	18100	10100	34300	
Manganese	EPA 6010B	2000		983	84	416	79	607	746	774	488	906	860	1870	
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
Molybdenum	EPA 6010B			5 U	5 U	5 U	6	5 U	5	5	5 U	5 U	5 U	8	
Nickel	EPA 200.8	8.2		0.8	2	0.5 U	2.9	0.9	1.3	1.3	1	3	2.3	4.4	
Selenium	EPA 200.8	71		0.5 U	0.7	2 U	2 U	1	0.5 U	0.5 U	2 U	0.6	0.7	2.2	
Vanadium	EPA 6010B	2810		3 U	21	3 U	72	3	3 U	3 U	3 U	3 U	9	10	
Zinc	EPA 6010B	81		6 U	6 U	8	6 U	8	7	9	7	6 U	11	11	
Cyanide	EPA 335.2	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U				
Inorganics (Dissolved) (µg/L)															
Aluminum	EPA 6010B			50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	
Arsenic	EPA 200.8	8		0.4	0.8	0.5 U	1.1	0.2	0.6	0.6	0.5 U	0.5	12.8	17.8	
Barium	EPA 6010B			7	3 U	8	3 U	7	24	25	6	40	12	49	
Cobalt	EPA 6010B			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	5	
Copper	EPA 200.8	8		0.5 U	4.4	0.5 U	7.2	0.6	0.5 U	0.5 U	0.5 U	5.6	0.5 U	0.7	
Iron	EPA 6010B			15200	50 U	8140	50 U	3660	11900	12500	18700	50 U	9180	53500	
Lead	EPA 200.8	8.1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Magnesium	EPA 6010B			27900	16200	26900	19500	20500	31100	32900	22700	17200	10500	35100	
Manganese	EPA 6010B	2000		981	79	416	74	602	751	794	493	880	889	1920	
Mercury	EPA 1631E	0.025		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
Molybdenum	EPA 6010B			5 U	5 U	5 U	6	5 U	5	5	5 U	5 U	5 U	8	
Nickel	EPA 200.8	8.2		0.8	2	0.5 U	3.1	1.1	1.4	1.3	0.6	3.2	2.3	4.2	
Selenium	EPA 200.8	71		0.5 U	2 U	2 U	2 U	0.9	0.5 U	0.5 U	2 U	0.6	0.9	3.3	
Vanadium	EPA 6010B	2810		3 U	18	3 U	73	3 U	3 U	3 U	3 U	3 U	9	10	
Zinc	EPA 6010B	81		9	6 U	6 U	6 U	6	7	8	7	6 U	8	9	
Petroleum Hydrocarbons (µg/L)															
TPH - Gasoline Range	NWTPH-Gx	800										250 U	430	250 U	
TPH - Diesel Range	NWTPH-Dx-Cleaned	500										250 U	250 U	250 U	
Conventional Parameters (mg/L)															
Nitrate (as Nitrogen)	EPA 300.0												0.1 U		
Nitrite (as Nitrogen)	EPA 300.0												1 U		
Ammonia (as Nitrogen)	EPA 350.1												1.73		
Sulfate	EPA 300.0												19		
Sulfide	EPA 376.2												0.05 U		
Total Organic Carbon	EPA 415.1												7.41		

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 3

Data Gap Investigation, 2-60s Area
Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Sample ID: / Location: / Depth (ft bgs): / Sample Date:	2-60-PL2-606A-13-W / PL2-606A / 13 - 13 / 8/30/2005	2-60-PL2-606A-13-W PL2-606A Dilution / 13 - 13 / 8/30/2005
VOCs (µg/L)					
Chloromethane	EPA 8260B	26.3		0.2 U	5 U
Vinyl Chloride	EPA 8260B	0.731		0.2 U	5 U
Acetone	EPA 8260B			19	25 U
Carbon Disulfide	EPA 8260B			0.2 U	5 U
1,1-Dichloroethene	EPA 8260B	0.382		0.2 U	5 U
1,1-Dichloroethane	EPA 8260B			0.2 U	5 U
trans-1,2-Dichloroethene	EPA 8260B	10000		0.2 U	5 U
cis-1,2-Dichloroethene	EPA 8260B	1550		0.2 U	5 U
Chloroform	EPA 8260B	56.1		0.2 U	5 U
1,2-Dichloroethane	EPA 8260B	11.7		0.2 U	5 U
1,1,1-Trichloroethane	EPA 8260B	206000		0.2 U	5 U
Trichloroethene	EPA 8260B	0.302		0.2 U	5 U
1,1,2-Trichloroethane	EPA 8260B	5		0.2 U	5 U
Benzene	EPA 8260B	4.48		22 ES	47
Tetrachloroethene	EPA 8260B	0.822		0.2 U	5 U
Toluene	EPA 8260B	15000		20 ES	21
Ethylbenzene	EPA 8260B	2100		54 ES	830
Trichlorofluoromethane	EPA 8260B			0.2 U	5 U
m,p-Xylene	EPA 8260B			93 ES	400
o-Xylene	EPA 8260B			24 ES	32
1,3,5-Trimethylbenzene	EPA 8260B			16 S	21
1,2,4-Trimethylbenzene	EPA 8260B			29 ES	410
Isopropylbenzene	EPA 8260B			23 ES	76
n-Propylbenzene	EPA 8260B			18 ES	79
tert-Butylbenzene	EPA 8260B			14 S	5 U
sec-Butylbenzene	EPA 8260B			8.9	5 U
4-Isopropyltoluene	EPA 8260B			13	9.2
n-Butylbenzene	EPA 8260B			7.4	6.2 J
Naphthalene	EPA 8260B	2440		93 ES	430
SVOCs (µg/L)					
Naphthalene	EPA 8270D	2440			
Di-n-Butylphthalate	EPA 8270D	1440			
bis(2-Ethylhexyl)phthalate	EPA 8270D	3			
Naphthalene	EPA 8270SIM	2440			
PCBs (µg/L)					
Aroclor 1260	EPA 8082	0.01			
Total PCB	EPA 8082	0.01			
Inorganics (Total) (µg/L)					
Aluminum	EPA 6010B			270	
Arsenic	EPA 200.8	8		34.7	
Barium	EPA 6010B			74	
Cobalt	EPA 6010B			3 U	
Copper	EPA 200.8	8		0.7	
Iron	EPA 6010B			86800	
Lead	EPA 200.8	8.1		1 U	
Magnesium	EPA 6010B			20100	
Manganese	EPA 6010B	2000		5160	
Mercury	EPA 1631E	0.025		0.025 U	
Molybdenum	EPA 6010B			5 U	
Nickel	EPA 200.8	8.2		2.8	
Selenium	EPA 200.8	71		1.6	
Vanadium	EPA 6010B	2810		19	
Zinc	EPA 6010B	81		7	
Cyanide	EPA 335.2	5			
Inorganics (Dissolved) (µg/L)					
Aluminum	EPA 6010B			50 U	
Arsenic	EPA 200.8	8		35	
Barium	EPA 6010B			75	
Cobalt	EPA 6010B			3 U	
Copper	EPA 200.8	8		0.5 U	
Iron	EPA 6010B			89600	
Lead	EPA 200.8	8.1		1 U	
Magnesium	EPA 6010B			20800	
Manganese	EPA 6010B	2000		5290	
Mercury	EPA 1631E	0.025		0.025 U	
Molybdenum	EPA 6010B			5 U	
Nickel	EPA 200.8	8.2		2.9	
Selenium	EPA 200.8	71		1.9	
Vanadium	EPA 6010B	2810		18	
Zinc	EPA 6010B	81		6	
Petroleum Hydrocarbons (µg/L)					
TPH - Gasoline Range	NWTPH-Gx	800		9700	
TPH - Diesel Range	NWTPH-Dx-Cleaned	500		250 U	
Conventional Parameters (mg/L)					
Nitrate (as Nitrogen)	EPA 300.0				
Nitrite (as Nitrogen)	EPA 300.0				
Ammonia (as Nitrogen)	EPA 350.1				
Sulfate	EPA 300.0				
Sulfide	EPA 376.2				
Total Organic Carbon	EPA 415.1				

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-01-01-S	2-60-DP-01-05-S	2-60-DP-01-9.5-S	2-60-DP-02-01-S	2-60-DP-02-05-S	2-60-DP-02-10-S	2-60-DP-03-01-S	2-60-DP-03-05-S	2-60-DP-03-10-S	2-60-DP-04-01-S	2-60-DP-04-01-S	2-60-DP-04-05-S	2-60-DP-04-05-S	2-60-DP-04-10-S	2-60-DP-04-10-S	2-60-DP-05-01-S	2-60-DP-05-01-S
			Location:	2-60-DP-01	2-60-DP-01	2-60-DP-01	2-60-DP-02	2-60-DP-02	2-60-DP-02	2-60-DP-03	2-60-DP-03	2-60-DP-03	2-60-DP-04	2-60-DP-04 Reanalysis	2-60-DP-04	2-60-DP-04 Reanalysis	2-60-DP-04	2-60-DP-04 Reanalysis	2-60-DP-05	2-60-DP-05 Reanalysis
			Depth (ft bgs):	1 - 1	5 - 5	9.5 - 9.5	1 - 1	5 - 5	10 - 10	1 - 1	5 - 5	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1
			Sample Date:	8/4/2005	8/4/2005	8/4/2005	8/4/2005	8/4/2005	8/4/2005	8/5/2005	8/5/2005	8/5/2005	8/8/2005	8/8/2005	8/8/2005	8/8/2005	8/8/2005	8/8/2005	8/8/2005	8/8/2005
VOCs (µg/kg)																				
Methylene Chloride	EPA 8260B	828		2.5 U	4.3 U	3.5 U	2.9 U	3.6 U	2.6 U	9.6 U	8 U	6.9 U	2.6 UJ		7.3 U	4.2 UJ	3.8 UJ		2.3 UJ	
Acetone	EPA 8260B			9.2 U	7.4 U	6.4 U	9.1 U	6.4 U	6.1 U	9.1 U	26 U	11 U	5.3 U		6.8 U	7.2 U	5.9 U		5.3 U	
Carbon Disulfide	EPA 8260B			1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
1,1-Dichloroethane	EPA 8260B			1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
cis-1,2-Dichloroethene	EPA 8260B	794		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
2-Butanone	EPA 8260B			5.1 U	5.9 U	6.4 U	5.1 U	6.4 U	5.1 U	5.9 U	5.6 U	5.8 U	5.3 U		6.8 U	6.9 U	5.9 U		5.3 U	
Trichloroethene	EPA 8260B	2		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
Tetrachloroethene	EPA 8260B	8.72		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
Toluene	EPA 8260B	19000		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
Ethylbenzene	EPA 8260B	2520		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
m,p-Xylene	EPA 8260B			1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
o-Xylene	EPA 8260B			1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 U	1.4 U	1.2 U		1.1 U	
1,3,5-Trimethylbenzene	EPA 8260B	2470		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 UJ	1.4 UJ	1.2 U		1.1 U	
1,2,4-Trimethylbenzene	EPA 8260B	2360		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 UJ	1.4 UJ	1.2 U		1.1 U	
Isopropylbenzene	EPA 8260B	1270		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 UJ	1.4 UJ	1.2 U		1.1 U	
n-Propylbenzene	EPA 8260B	13600		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 UJ	1.4 UJ	1.2 U		1.1 U	
sec-Butylbenzene	EPA 8260B	7860		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 UJ	1.4 UJ	1.2 U		1.1 U	
4-Isopropyltoluene	EPA 8260B			1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 UJ	1.4 UJ	1.2 U		1.1 U	
n-Butylbenzene	EPA 8260B	4640		1 U	1.2 U	1.3 U	1 U	1.3 U	1 U	1.2 U	1.1 U	1.2 U	1.1 U		1.4 UJ	1.4 UJ	1.2 U		1.1 U	
Naphthalene	EPA 8260B	24800		5.1 U	5.9 U	6.4 U	5.1 U	6.4 U	5.1 U	5.9 U	5.6 U	5.8 U	5.3 U		6.8 UJ	6.9 UJ	5.9 U		5.3 U	
SVOCs (µg/kg)																				
Naphthalene	EPA 8270D	24800											63 U		64 U		63 U		65 U	
2-Methylnaphthalene	EPA 8270D												63 U		64 U		63 U		65 U	
Acenaphthylene	EPA 8270D												63 U		64 U		63 U		65 U	
Dibenzofuran	EPA 8270D												63 U		64 U		63 U		65 U	
Phenanthrene	EPA 8270D												63 U		64 U		63 U		65 U	
Anthracene	EPA 8270D	6080000											63 U		64 U		63 U		65 U	
Di-n-Butylphthalate	EPA 8270D	50900											63 U		64 U		63 U		65 U	
Fluoranthene	EPA 8270D	44000											63 U		64 U		63 U		65 U	
Pyrene	EPA 8270D	1750000											63 U		64 U		63 U		65 U	
Benzo(a)anthracene	EPA 8270D	41.9											63 U		64 U		63 U		65 U	
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570											63 U		64 U		370		65 U	
Chrysene	EPA 8270D	46.6											63 U		64 U		63 U		65 U	
Benzo(b)fluoranthene	EPA 8270D	144											63 U		64 U		63 U		65 U	
Benzo(k)fluoranthene	EPA 8270D	144											63 U		64 U		63 U		65 U	
Benzo(a)pyrene	EPA 8270D	113											63 U		64 U		63 U		65 U	
Indeno(1,2,3-cd)pyrene	EPA 8270D	406											63 U		64 U		63 U		65 U	
Dibenz(a,h)anthracene	EPA 8270D	210											63 U		64 U		63 U		65 U	
Benzo(g,h,i)perylene	EPA 8270D												63 U		64 U		63 U		65 U	
Naphthalene	EPA 8270SIM	24800											6.3 U		6.4 U		6.3 U		6.5 U	
2-Methylnaphthalene	EPA 8270SIM												6.3 U		6.4 U		6.3 U		6.5 U	
Acenaphthylene	EPA 8270SIM												6.3 U		6.4 U		6.3 U		6.5 U	
Phenanthrene	EPA 8270SIM												6.3 U		6.4 U		6.3 U		18	
Anthracene	EPA 8270SIM	6080000											6.3 U		6.4 U		6.3 U		6.5 U	
Fluoranthene	EPA 8270SIM	44000											7.6		6.4 U		6.3 U		52	
Pyrene	EPA 8270SIM	1750000											11		6.4 U		6.3 U		56	
Benzo(a)anthracene	EPA 8270SIM	41.9											6.3 U		6.4 U		6.3 U		33	
Chrysene	EPA 8270SIM	46.6											6.3 U		6.4 U		6.3 U		33	
Benzo(b)fluoranthene	EPA 8270SIM	144											6.3 UJ		6.4 UJ		6.3 UJ		26 J	
Benzo(k)fluoranthene	EPA 8270SIM	144											6.3 U		6.4 U		6.3 U		33	
Benzo(a)pyrene	EPA 8270SIM	113											6.3 U		6.4 U		6.3 U		33	
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406											6.3 U		6.4 U		6.3 U		14	
Dibenz(a,h)anthracene	EPA 8270SIM	210											6.3 U		6.4 UJ		6.3 U		6.5 U	
Benzo(g,h,i)perylene	EPA 8270SIM												6.3		6.4 U		6.3 U		18	
Dibenzofuran	EPA 8270SIM												6.3 U		6.4 U		6.3 U		6.5 U	
PCBs (µg/kg)																				
Aroclor 1254	EPA 8082	33																		
Aroclor 1260	EPA 8082	33																		
Total PCB	EPA 8082	33																		
Inorganics (mg/kg)																				
Aluminum	EPA 6010B			13300	15800	12700	15900	14100	15800	15000	10100	7150	8660		21600		11200		8880	
Arsenic	EPA 6010B	7.3		7	6	7 U	8	6 U	6	9	5 U	6 U	5 U		10		6 U		6	
Barium	EPA 6010B	93300		64.3	44.6	38.3	59.4	37.6	50.7	78.3	30.3	24.5	26.4		59.5		35.8		28.1	
Beryllium	EPA 6010B	222		0.17	0.1	0.1 U	0.19	0.1	0.1 U	0.2	0.1	0.1 U	0.1 U		0.2		0.1 U		0.1 U	
Cadmium	EPA 6010B	1.21		0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U		0.3 U		0.2 U		0.2 U	
Chromium	EPA 6010B			16.8	13.5	16.5	20.1	15.5	18.7	15.6	10.8	8.2	13.3		16.9		15.3		12.6	
Cobalt	EPA 6010B			6.7	2.8	2	43.8	4.7	6.2	8.4	3.3	1.6	4		4.1		2.9		4.2	
Copper	EPA 6010B	36.4		20.4	15.5	22.6	28.1	14.9	24.8	25.7	12.5	8.4	9.9		29		16.2		13.7	
Iron	EPA 6010B			19400	12700	12100	19700	15900	19600	16300	7100	6040	11200		18200		13600		12000	
Lead	EPA 6010B	1000		3	3	3	5	3	3	22	2 U	3 U	4		5		4		37	
Magnesium	EPA 6010B			5840	2520	2050	5760	3280	3830	2940	1690	1370	2560		3550		2260		3050	
Manganese	EPA 6010B	1146		290	89	65	315	156	161	329	66.3	47.7	162		133		94.8		129	
Mercury	EPA 7471A	0.07		0.05 U	0.05 U	0.06	0.05 U	0.05 U	0.06 U	0.11	0.05 U	0.05 U	0.05 U		0.07 U		0.05 U		0.05 U	
Molybdenum	EPA 6010B			0.5	0.9	0.7 U	0.7	1.1	1	0.7	0.5 U	0.6 U	0.5 U		1.6		1.5		0.5 U	
Nickel	EPA 6010B	47.8		17.9	7	6	18.2	11	10	13	5	3	12		9		6		11	
Silver	EPA 6010B	0.323		0.3 U	0.4 U	0.4 U	5.3	0.3 U	0.4 U	0.4 U	0.3 U	0.4 U	0.3 U		0.4 U		0.3 U		0.3 U	
Thallium	EPA 7841	0.669		0.16	0.1 U	0.1 U	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U		0.1 U		0.1 U	
Tin	EPA 6010B			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U		1 U		1 U	
Vanadium	EPA 6010B	56100		43.9	46.7	35.5	44.8	48.3	54.6	46.6	33.2	20.9	38.7		59.7		48.8		40.1	
Zinc	EPA 6010B	101		33.8	19.7	15.5	41.5	26.5	25.9	62.4	19.4	12.9	26.4		28		20.9		94.9	
Total Solids (%)	EPA 160.3												95.3	95.3	70.4	70.4	89.1	89.1	94.6	94.6
Cyanide	EPA 335.2	0.202											0.26 U	0.13 UJ	0.35 U	0.18 UJ	0.28 U	0.14 UJ	0.26 U	0.13 UJ
Petroleum Hydrocarbons (mg/kg)																				
TPH - Gasoline Range	NWTPH-Gx	30																		
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000																		
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000																		

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-05-05-S	2-60-DP-05-05-S	2-60-DP-05-10-S	2-60-DP-05-10-S	2-60-DP-06-01-S	2-60-DP-06-01-S	2-60-DP-06-05-S	2-60-DP-06-05-S	2-60-DP-06-10-S	2-60-DP-06-10-S	2-60-DP-07-01-S	2-60-DP-07-01-S	2-60-DP-07-05-S	2-60-DP-07-05-S	2-60-DP-07-10-S	2-60-DP-07-10-S
			Location:	2-60-DP-05	2-60-DP-05 Reanalysis	2-60-DP-05	2-60-DP-05 Reanalysis	2-60-DP-06	2-60-DP-06 Reanalysis	2-60-DP-06	2-60-DP-06 Reanalysis	2-60-DP-06	2-60-DP-06 Reanalysis	2-60-DP-07	2-60-DP-07 Reanalysis	2-60-DP-07	2-60-DP-07 Reanalysis	2-60-DP-07	2-60-DP-07 Reanalysis
			Depth (ft bgs):	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10
			Sample Date:	8/8/2005	8/8/2005	8/8/2005	8/8/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005	8/9/2005
VOCs (µg/kg)																			
Methylene Chloride	EPA 8260B	828		3.5 UJ	6 UJ	2.8 UJ		4.2 U		6.8 U	6.5 U	5.3 U		2.1 U		2.1 U		2.9 U	
Acetone	EPA 8260B			7.1 U	6.9 U	5.8 U		6.7 U		9 U	340 R	8.6 U		5.2 U		6.8 U		7.8 U	
Carbon Disulfide	EPA 8260B			1.4 U	1.4 U	1.2 U		1.1 U		1.3 U	1.4 U	1.2 U		1 U		1.1 U		1.3 U	
1,1-Dichloroethane	EPA 8260B			1.4 U	1.4 U	1.2 U		1.1 U		1.3 U	1.4 U	1.2 U		1 U		1.1 U		1.3 U	
cis-1,2-Dichloroethene	EPA 8260B	794		1.4 U	1.4 U	1.2 U		1.1 U		2.3	1.4 U	1.2 U		1 U		1.1 U		1.3 U	
2-Butanone	EPA 8260B			7.1 U	6.9 U	5.8 U		5.5 U		6.6 U	78 R	5.9 U		5.2 U		5.3 U		6.5 U	
Trichloroethene	EPA 8260B	2		1.4 U	1.4 U	1.2 U		1.1 U		2.5	1.7	1.2 U		1 U		1.1 U		1.3 U	
Tetrachloroethene	EPA 8260B	8.72		1.4 U	1.4 U	1.2 U		1.1 U		4	1.9	1.2 U		1 U		1.1 U		1.3 U	
Toluene	EPA 8260B	19000		1.4 U	1.4 U	1.2 U		1.1 U		1.3 U	1.4 U	1.2 U		1 U		1.1 U		1.3 U	
Ethylbenzene	EPA 8260B	2520		1.4 U	1.4 U	1.2 U		1.1 U		1.3 U	1.4 U	1.2 U		1 U		1.1 U		1.3 U	
m,p-Xylene	EPA 8260B			1.4 U	1.4 U	1.2 U		1.1 U		1.3 U	1.4 U	1.2 U		1 U		1.1 U		1.3 U	
o-Xylene	EPA 8260B			1.4 U	1.4 U	1.2 U		1.1 U		1.3 U	1.4 U	1.2 U		1 U		1.1 U		1.3 U	
1,3,5-Trimethylbenzene	EPA 8260B	2470		1.4 UJ	1.4 UJ	1.2 U		1.1 U		1.3 UJ	1.4 UJ	1.2 U		1 U		1.1 U		1.3 U	
1,2,4-Trimethylbenzene	EPA 8260B	2360		1.4 UJ	1.4 UJ	1.2 U		1.1 U		1.3 UJ	1.4 UJ	1.2 U		1 U		1.1 U		1.3 U	
Isopropylbenzene	EPA 8260B	1270		1.4 UJ	1.4 UJ	1.2 U		1.1 U		1.3 UJ	1.4 UJ	1.2 U		1 U		1.1 U		1.3 U	
n-Propylbenzene	EPA 8260B	13600		1.4 UJ	1.4 UJ	1.2 U		1.1 U		1.3 UJ	1.4 UJ	1.2 U		1 U		1.1 U		1.3 U	
sec-Butylbenzene	EPA 8260B	7860		1.4 UJ	1.4 UJ	1.2 U		1.1 U		1.3 UJ	1.4 UJ	1.2 U		1 U		1.1 U		1.3 U	
4-Isopropyltoluene	EPA 8260B			1.4 UJ	1.4 UJ	1.2 U		1.1 U		1.3 UJ	1.4 UJ	1.2 U		1 U		1.1 U		1.3 U	
n-Butylbenzene	EPA 8260B	4640		1.4 UJ	1.4 UJ	1.2 U		1.1 U		1.3 UJ	1.4 UJ	1.2 U		1 U		1.1 U		1.3 U	
Naphthalene	EPA 8260B	24800		7.1 UJ	6.9 UJ	5.8 U		5.5 U		6.6 UJ	6.9 UJ	5.9 U		5.2 U		5.3 U		6.5 U	
SVOCs (µg/kg)																			
Naphthalene	EPA 8270D	24800		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
2-Methylnaphthalene	EPA 8270D			65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Acenaphthylene	EPA 8270D			65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Dibenzofuran	EPA 8270D			65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Phenanthrene	EPA 8270D			65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Anthracene	EPA 8270D	6080000		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Di-n-Butylphthalate	EPA 8270D	50900		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Fluoranthene	EPA 8270D	44000		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Pyrene	EPA 8270D	1750000		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Benzo(a)anthracene	EPA 8270D	41.9		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Chrysene	EPA 8270D	46.6		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Benzo(b)fluoranthene	EPA 8270D	144		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Benzo(k)fluoranthene	EPA 8270D	144		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Benzo(a)pyrene	EPA 8270D	113		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Indeno(1,2,3-cd)pyrene	EPA 8270D	406		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Dibenz(a,h)anthracene	EPA 8270D	210		65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Benzo(g,h,i)perylene	EPA 8270D			65 U		63 U		63 U		66 U		65 U		63 U		64 U		64 U	
Naphthalene	EPA 8270SIM	24800		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		6.3 U		6.4 U		6.4 U	
2-Methylnaphthalene	EPA 8270SIM			6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		6.3 U		6.4 U		6.4 U	
Acenaphthylene	EPA 8270SIM			6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		8.8		12		6.4 U	
Anthracene	EPA 8270SIM	6080000		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		6.3 U		6.4 U		6.4 U	
Fluoranthene	EPA 8270SIM	44000		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		16		15		6.4 U	
Pyrene	EPA 8270SIM	1750000		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		24		18		6.4 U	
Benzo(a)anthracene	EPA 8270SIM	41.9		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		12		8.3		6.4 U	
Chrysene	EPA 8270SIM	46.6		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		14		9.6		6.4 U	
Benzo(b)fluoranthene	EPA 8270SIM	144		6.5 UJ		6.3 UJ		6.3 UJ		6.6 UJ		6.5 UJ		8.2 J		6.4 J		6.4 UJ	
Benzo(k)fluoranthene	EPA 8270SIM	144		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		8.2		6.4		6.4 U	
Benzo(a)pyrene	EPA 8270SIM	113		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		9.4		7.7		6.4 U	
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406		6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		6.3 U		6.4 U		6.4 U	
Dibenz(a,h)anthracene	EPA 8270SIM	210		6.5 U		6.3 UJ		6.3 U		6.6 U		6.5 U		6.3 U		6.4 U		6.4 U	
Benzo(g,h,i)perylene	EPA 8270SIM			6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		6.3		6.4 U		6.4 U	
Dibenzofuran	EPA 8270SIM			6.5 U		6.3 U		6.3 U		6.6 U		6.5 U		6.3 U		6.4 U		6.4 U	
PCBs (µg/kg)																			
Aroclor 1254	EPA 8082	33																	
Aroclor 1260	EPA 8082	33																	
Total PCB	EPA 8082	33																	
Inorganics (mg/kg)																			
Aluminum	EPA 6010B			9680		7490		9540		19600		12400		11000		13800		11400	
Arsenic	EPA 6010B	7.3		5 U		6 U		6		8		6 U		10		8		6 U	
Barium	EPA 6010B	93300		25.4		18.8		29.6		56		28.9		38.6		53.3		28.7	
Beryllium	EPA 6010B	222		0.1 U		0.1 U		0.1		0.2		0.1 U		0.1		0.2		0.1 U	
Cadmium	EPA 6010B	1.21		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U	
Chromium	EPA 6010B			13.1		9.5		17.5		15.7		15.1		16.6		22		15.4	
Cobalt	EPA 6010B			2.5		1.7		12.6		3.2		2.3		7.4		6.5		2.1	
Copper	EPA 6010B	36.4		10.1		8.8		15		22.2		22.9		15.8		18.4		18.6	
Iron	EPA 6010B			9980		9200		13400		15800		9010		14900		16100		9990	
Lead	EPA 6010B	1000		10		2 U		6		4		2 U		7		9		2 U	
Magnesium	EPA 6010B			2150		1720		3840		3140		2300		4740		4140		2140	
Manganese	EPA 6010B	1146		79.6		67.1		188		101		69.3		230		204		68.9	
Mercury	EPA 7471A	0.07		0.05 U		0.05 U		0.05 U		0.06 U		0.05 U		0.05 U		0.06 U		0.05 U	
Molybdenum	EPA 6010B			0.5 U		0.6 U		0.5 U		1.3		0.6 U		0.5 U		1.5		0.6 U	
Nickel	EPA 6010B	47.8		6		4		20		8		6		22		20		5	
Silver	EPA 6010B	0.323		0.3 U		0.3 U		3		0.4 U		0.4 U		0.3 U		0.4 U		0.4 U	
Thallium	EPA 7841	0.669		0.1 U		0.1 U		0.1 U		0.1 U		0.3		0.1 U		0.1 U		0.1 U	
Tin	EPA 6010B			1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Vanadium	EPA 6010B	56100		38.8		27.2		40		52		39.5		38.5		44.3		37.9	
Zinc	EPA 6010B	101		25.1		12		32.9		25.8		19.3		68.3		40.2		15.8	
Total Solids (%)	EPA 160.3			89.8	89.8	87.5	87.5	92	92	73.2	73.2	77.4	77.4	95.7	95.7	85.5	85.5	80	80
Cyanide	EPA 335.2	0.202		0.28 U	0.14 J	0.29 U	0.14 UJ	0.27 U	0.14 UJ	0.34 U	0.17 UJ	0.32 U	0.16 UJ	0.26 U	0.13 UJ	0.29 U	0.32 J	0.31 U	0.16 UJ
Petroleum Hydrocarbons (mg/kg)																			
TPH - Gasoline Range	NWTPH-Gx	30																	
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000																	
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000																	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-08-01-S	2-60-DP-08-01-S	2-60-DP-08-05-S	2-60-DP-08-05-S	2-60-DP-08-10-S	2-60-DP-08-10-S	2-60-DP-09-01-S	2-60-DP-09-01-S	2-60-DP-09-05-S	2-60-DP-09-05-S	2-60-DP-09-10-S	2-60-DP-09-10-S	2-60-DP-10-01-S	2-60-DP-10-01-S	2-60-DP-10-05-S	2-60-DP-10-05-S
			Location:	2-60-DP-08	2-60-DP-08 Reanalysis	2-60-DP-08	2-60-DP-08 Reanalysis	2-60-DP-08	2-60-DP-08 Reanalysis	2-60-DP-09	2-60-DP-09 Reanalysis	2-60-DP-09	2-60-DP-09 Reanalysis	2-60-DP-09	2-60-DP-09 Reanalysis	2-60-DP-10	2-60-DP-10 Reanalysis	2-60-DP-10	2-60-DP-10 Reanalysis
			Depth (ft bgs):	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5
			Sample Date:	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/10/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005
VOCs (µg/kg)																			
Methylene Chloride	EPA 8260B	828		2.1 U		2.1 U		2.6 U		2.1 U		2 U		2.1 U		2.1 U		2.4 U	
Acetone	EPA 8260B			5.3 U		7.4		6.6 U		5.2 U		5.9		10		5.1 U		6.3	
Carbon Disulfide	EPA 8260B			1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
1,1-Dichloroethane	EPA 8260B			1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
cis-1,2-Dichloroethene	EPA 8260B	794		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
2-Butanone	EPA 8260B			5.3 U		5.3 U		6.6 U		5.2 U		5 U		5.3 U		5.1 U		6 U	
Trichloroethene	EPA 8260B	2		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
Tetrachloroethene	EPA 8260B	8.72		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
Toluene	EPA 8260B	19000		1.1 U		1.1 U		1.3 U		1.1		2.2		1.1 U		1 U		1.2 U	
Ethylbenzene	EPA 8260B	2520		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
m,p-Xylene	EPA 8260B			1.1 U		1.1 U		1.3 U		1 U		1.4		1.1 U		1 U		1.2 U	
o-Xylene	EPA 8260B			1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
1,3,5-Trimethylbenzene	EPA 8260B	2470		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
1,2,4-Trimethylbenzene	EPA 8260B	2360		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
Isopropylbenzene	EPA 8260B	1270		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
n-Propylbenzene	EPA 8260B	13600		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
sec-Butylbenzene	EPA 8260B	7860		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
4-Isopropyltoluene	EPA 8260B			1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
n-Butylbenzene	EPA 8260B	4640		1.1 U		1.1 U		1.3 U		1 U		0.99 U		1.1 U		1 U		1.2 U	
Naphthalene	EPA 8260B	24800		5.3 U		5.3 U		6.6 U		5.2 U		5 U		5.3 U		5.1 U		6 U	
SVOCs (µg/kg)																			
Naphthalene	EPA 8270D	24800		130 U		65 U		64 U		66 U		66 U		64 U					
2-Methylnaphthalene	EPA 8270D			130 U		65 U		64 U		66 U		66 U		64 U					
Acenaphthylene	EPA 8270D			130 U		65 U		64 U		66 U		66 U		64 U					
Dibenzofuran	EPA 8270D			130 U		65 U		64 U		66 U		66 U		64 U					
Phenanthrene	EPA 8270D			130 U		65 U		64 U		66 U		66 U		64 U					
Anthracene	EPA 8270D	6080000		130 U		65 U		64 U		66 U		66 U		64 U					
Di-n-Butylphthalate	EPA 8270D	50900		130 U		65 U		64 U		66 U		66 U		64 U					
Fluoranthene	EPA 8270D	44000		130 U		65 U		64 U		66 U		66 U		64 U					
Pyrene	EPA 8270D	1750000		130 U		65 U		64 U		66 U		66 U		64 U					
Benzo(a)anthracene	EPA 8270D	41.9		130 U		65 U		64 U		66 U		66 U		64 U					
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570		130 U		65 U		64 U		66 U		85		340					
Chrysene	EPA 8270D	46.6		130 U		65 U		64 U		66 U		66 U		64 U					
Benzo(b)fluoranthene	EPA 8270D	144		130 U		65 U		64 U		66 U		66 U		64 U					
Benzo(k)fluoranthene	EPA 8270D	144		130 U		65 U		64 U		66 U		66 U		64 U					
Benzo(a)pyrene	EPA 8270D	113		130 U		65 U		64 U		66 U		66 U		64 U					
Indeno(1,2,3-cd)pyrene	EPA 8270D	406		130 U		65 U		64 U		66 U		66 U		64 U					
Dibenz(a,h)anthracene	EPA 8270D	210		130 U		65 U		64 U		66 U		66 U		64 U					
Benzo(g,h,i)perylene	EPA 8270D			130 U		65 U		64 U		66 U		66 U		64 U					
Naphthalene	EPA 8270SIM	24800		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
2-Methylnaphthalene	EPA 8270SIM			13 U		6.5 U		6.4 U		6.6		6.6 U		6.4 U					
Acenaphthylene	EPA 8270SIM			13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Phenanthrene	EPA 8270SIM			13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Anthracene	EPA 8270SIM	6080000		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Fluoranthene	EPA 8270SIM	44000		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Pyrene	EPA 8270SIM	1750000		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Benzo(a)anthracene	EPA 8270SIM	41.9		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Chrysene	EPA 8270SIM	46.6		13 U		6.5 U		6.4 U		6.6		6.6 U		6.4 U					
Benzo(b)fluoranthene	EPA 8270SIM	144		13 UJ		6.5 UJ		6.4 UJ		6.6 UJ		6.6 UJ		6.4 UJ					
Benzo(k)fluoranthene	EPA 8270SIM	144		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Benzo(a)pyrene	EPA 8270SIM	113		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Dibenz(a,h)anthracene	EPA 8270SIM	210		13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
Benzo(g,h,i)perylene	EPA 8270SIM			13 UJ		6.5 UJ		6.4 UJ		6.6 UJ		6.6 UJ		6.4 UJ					
Dibenzofuran	EPA 8270SIM			13 U		6.5 U		6.4 U		6.6 U		6.6 U		6.4 U					
PCBs (µg/kg)																			
Aroclor 1254	EPA 8082	33																	
Aroclor 1260	EPA 8082	33																	
Total PCB	EPA 8082	33																	
Inorganics (mg/kg)																			
Aluminum	EPA 6010B			8340		13300		13800		12200		12500		12900		12000		11200	
Arsenic	EPA 6010B	7.3		5 U		5		7 U		5		5 U		7		5 U		5 U	
Barium	EPA 6010B	93300		26.1		60.8		47.9		43.9		47.1		48		46		48	
Beryllium	EPA 6010B	222		0.1 U		0.2		0.2		0.2		0.17		0.2		0.1		0.1	
Cadmium	EPA 6010B	1.21		0.2 U		0.2 U		0.3 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U	
Chromium	EPA 6010B			11		33.4		14.2		26.9		35.2		24.4		25.9		19.2	
Cobalt	EPA 6010B			3.4		8		6.2		6.9		6.9		5.2		6.5		5.2	
Copper	EPA 6010B	36.4		9.2		15.4		21.7		17.1		12.4		18.3		12		13.2	
Iron	EPA 6010B			12400		19000		16600		17700		16500		20300		14900		13600	
Lead	EPA 6010B	1000		2 U		3		3		4		2		3		4		2	
Magnesium	EPA 6010B			2370		6570		2820		5970		6340		3320		5300		3500	
Manganese	EPA 6010B	1146		102		327		254		262		277		182		238		186	
Mercury	EPA 7471A	0.07		0.04 U		0.05 U		0.07		0.04 U		0.05 U		0.06		0.04 U		0.05 U	
Molybdenum	EPA 6010B			0.5 U		0.7		0.7 U		0.7		0.9		0.7		0.5 U		0.5 U	
Nickel	EPA 6010B	47.8		6		40		10		31		41		14		35		20	
Silver	EPA 6010B	0.323		0.3 U		0.3 U		0.4 U		0.3 U		0.3 U		0.4 U		0.3 U		0.3 U	
Thallium	EPA 7841	0.669		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U	
Tin	EPA 6010B			1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Vanadium	EPA 6010B	56100		40.9		45.1		53.1		45.3		42.1		54.7		39.1		44.5	
Zinc	EPA 6010B	101		21.7		34.7		25.7		35.9		29.8		29.1		33.2		27.5	
Total Solids (%)	EPA 160.3			95.9	95.9	96	96	74.4	74.4	95.5	95.5	96.6	96.6	90.4	90.4	96.2	96.2	92.6	92.6
Cyanide	EPA 335.2	0.202		0.26 U	0.13 UJ	0.26 U	0.13 UJ	0.34 U	0.17 UJ	0.26 U	0.13 UJ	0.26 U	0.13 UJ	0.28 U	0.14 UJ	0.26 U	0.13 UJ	0.27 U	0.13 UJ
Petroleum Hydrocarbons (mg/kg)																			
TPH - Gasoline Range	NWTPH-Gx	30																	
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000																	
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000																	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-10-10-S	2-60-DP-10-10-S	2-60-DP-11-01-S	2-60-DP-11-01-S	2-60-DP-11-05-S	2-60-DP-11-05-S	2-60-DP-11-10-S	2-60-DP-11-10-S	2-60-DP-12-01-S	2-60-DP-12-01-S	2-60-DP-12-05-S	2-60-DP-12-05-S	2-60-DP-12-10-S	2-60-DP-12-10-S	2-60-DP-13-01-S	2-60-DP-13-01-S
			Location:	2-60-DP-10	2-60-DP-10 Reanalysis	2-60-DP-11	2-60-DP-11 Reanalysis	2-60-DP-11	2-60-DP-11 Reanalysis	2-60-DP-11	2-60-DP-11 Reanalysis	2-60-DP-12	2-60-DP-12 Reanalysis	2-60-DP-12	2-60-DP-12 Reanalysis	2-60-DP-12	2-60-DP-12 Reanalysis	2-60-DP-13	2-60-DP-13 Reanalysis
			Depth (ft bgs):	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1
			Sample Date:	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/11/2005
VOCs (µg/kg)																			
Methylene Chloride	EPA 8260B	828		2.2 U		2.1 U		2.1 U		2.2 UJ		2.1 U		2.2 U		2.5 U		2.1 U	
Acetone	EPA 8260B			5.5 U		5.4 U		5.5		6.6 J		5.5		8.2		8.2		6.7	
Carbon Disulfide	EPA 8260B			1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
1,1-Dichloroethane	EPA 8260B			1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
cis-1,2-Dichloroethene	EPA 8260B	794		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
2-Butanone	EPA 8260B			5.5 U		5.4 U		5.2 U		5.6 UJ		5.2 U		5.5 U		6.2 U		5.2 U	
Trichloroethene	EPA 8260B	2		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.6		1 U	
Tetrachloroethene	EPA 8260B	8.72		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
Toluene	EPA 8260B	19000		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
Ethylbenzene	EPA 8260B	2520		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
m,p-Xylene	EPA 8260B			1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
o-Xylene	EPA 8260B			1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
1,3,5-Trimethylbenzene	EPA 8260B	2470		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
1,2,4-Trimethylbenzene	EPA 8260B	2360		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
Isopropylbenzene	EPA 8260B	1270		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
n-Propylbenzene	EPA 8260B	13600		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
sec-Butylbenzene	EPA 8260B	7860		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
4-Isopropyltoluene	EPA 8260B			1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
n-Butylbenzene	EPA 8260B	4640		1.1 U		1.1 U		1 U		1.1 UJ		1 U		1.1 U		1.2 U		1 U	
Naphthalene	EPA 8260B	24800		5.5 U		5.4 U		5.2 U		5.6 UJ		5.2 U		5.5 U		6.2 U		5.2 U	
SVOCs (µg/kg)																			
Naphthalene	EPA 8270D	24800																	
2-Methylnaphthalene	EPA 8270D																		
Acenaphthylene	EPA 8270D																		
Dibenzofuran	EPA 8270D																		
Phenanthrene	EPA 8270D																		
Anthracene	EPA 8270D	6080000																	
Di-n-Butylphthalate	EPA 8270D	50900																	
Fluoranthene	EPA 8270D	44000																	
Pyrene	EPA 8270D	1750000																	
Benzo(a)anthracene	EPA 8270D	41.9																	
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570																	
Chrysene	EPA 8270D	46.6																	
Benzo(b)fluoranthene	EPA 8270D	144																	
Benzo(k)fluoranthene	EPA 8270D	144																	
Benzo(a)pyrene	EPA 8270D	113																	
Indeno(1,2,3-cd)pyrene	EPA 8270D	406																	
Dibenz(a,h)anthracene	EPA 8270D	210																	
Benzo(g,h,i)perylene	EPA 8270D																		
Naphthalene	EPA 8270SIM	24800																	
2-Methylnaphthalene	EPA 8270SIM																		
Acenaphthylene	EPA 8270SIM																		
Phenanthrene	EPA 8270SIM																		
Anthracene	EPA 8270SIM	6080000																	
Fluoranthene	EPA 8270SIM	44000																	
Pyrene	EPA 8270SIM	1750000																	
Benzo(a)anthracene	EPA 8270SIM	41.9																	
Chrysene	EPA 8270SIM	46.6																	
Benzo(b)fluoranthene	EPA 8270SIM	144																	
Benzo(k)fluoranthene	EPA 8270SIM	144																	
Benzo(a)pyrene	EPA 8270SIM	113																	
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406																	
Dibenz(a,h)anthracene	EPA 8270SIM	210																	
Benzo(g,h,i)perylene	EPA 8270SIM																		
Dibenzofuran	EPA 8270SIM																		
PCBs (µg/kg)																			
Aroclor 1254	EPA 8082	33																	
Aroclor 1260	EPA 8082	33																	
Total PCB	EPA 8082	33																	
Inorganics (mg/kg)																			
Aluminum	EPA 6010B			11200		13200		9820		11800		10500		11500		15700		8080	
Arsenic	EPA 6010B	7.3		5 U		5 U		5 U		6 U		5 U		5 U		6 U		5 U	
Barium	EPA 6010B	93300		38.9		55.6		28.6		40.9		34.4		37.7		53.2		17.1	
Beryllium	EPA 6010B	222		0.1		0.16		0.1 U		0.1		0.11		0.1		0.2		0.1 U	
Cadmium	EPA 6010B	1.21		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U	
Chromium	EPA 6010B			18.1		28.5		13.1		12.6		17.8		10.9		15		11.3	
Cobalt	EPA 6010B			5.2		7.2		4		4.8		5.3		4.1		5.8		3.8	
Copper	EPA 6010B	36.4		11.5		11.3		10		13.5		10.4		12.7		21.2		8.9	
Iron	EPA 6010B			13500		15700		12600		13700		13600		12400		16400		11700	
Lead	EPA 6010B	1000		2		2		2 U		2 U		2		2 U		3		2 U	
Magnesium	EPA 6010B			3410		5650		2010		2400		4040		2120		2990		2110	
Manganese	EPA 6010B	1146		186		353		114		158		189		114		204		92.7	
Mercury	EPA 7471A	0.07		0.04 U		0.04 U		0.05 U		0.05 U		0.05 U		0.05 U		0.06 U		0.05 U	
Molybdenum	EPA 6010B			0.5		0.5 U		0.5 U		0.6 U		0.5 U		0.5 U		0.6 U		0.5 U	
Nickel	EPA 6010B	47.8		20		36.2		7		8		21.8		7		10		8	
Silver	EPA 6010B	0.323		0.3 U		0.3 U		0.3 U		0.3 U		0.3 U		0.3 U		0.4 U		0.3 U	
Thallium	EPA 7841	0.669		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U	
Tin	EPA 6010B			1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Vanadium	EPA 6010B	56100		43.7		41.3		50.9		47.6		38.5		44.7		52.7		44.1	
Zinc	EPA 6010B	101		26.1		28.1		23.4		26		25.7		21.8		28.1		21.3	
Total Solids (%)	EPA 160.3			75.4	75.4	90	90	85.6	85.6	88.6	88.6	93.1	93.1	76.4	76.4	86.3	86.3	96.5	96.5
Cyanide	EPA 335.2	0.202		0.33 U	0.16 UJ	0.28 U	0.14 UJ	0.29 U	0.15 UJ	0.28 U	0.14 UJ	0.27 U	0.13 UJ	0.33 U	0.16 UJ	0.29 U	0.14 UJ	0.26 U	0.13 UJ
Petroleum Hydrocarbons (mg/kg)																			
TPH - Gasoline Range	NWTPH-Gx	30																	
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000																	
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000																	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-13-05-S	2-60-DP-13-05-S	2-60-DP-13-10-S	2-60-DP-13-10-S	2-60-DP-14-01-S	2-60-DP-14-01-S	2-60-DP-14-05-S	2-60-DP-14-05-S	2-60-DP-14-10-S	2-60-DP-14-10-S	2-60-DP-15-01-S	2-60-DP-15-01-S	2-60-DP-15-05-S	2-60-DP-15-05-S	2-60-DP-15-10-S	2-60-DP-15-10-S
			Location:	2-60-DP-13	2-60-DP-13 Reanalysis	2-60-DP-13	2-60-DP-13 Reanalysis	2-60-DP-14	2-60-DP-14 Reanalysis	2-60-DP-14	2-60-DP-14 Reanalysis	2-60-DP-14	2-60-DP-14 Reanalysis	2-60-DP-15	2-60-DP-15 Reanalysis	2-60-DP-15	2-60-DP-15 Reanalysis	2-60-DP-15	2-60-DP-15 Reanalysis
			Depth (ft bgs):	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10
			Sample Date:	8/11/2005	8/11/2005	8/11/2005	8/11/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005
VOCs (µg/kg)																			
Methylene Chloride	EPA 8260B	828		2.1 U		2.5 U		5.3		5.5		5.3		5.3		13	5.7 U	3.1	
Acetone	EPA 8260B			15		10		9.9		11		13		12		31	11	11	
Carbon Disulfide	EPA 8260B			1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		8.6	3.5	1.1 U	
1,1-Dichloroethane	EPA 8260B			1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 U	1.6 U	1.1 U	
cis-1,2-Dichloroethene	EPA 8260B	794		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 U	1.6 U	1.1 U	
2-Butanone	EPA 8260B			5.4 U		6.2 U		5.1 U		5.2 U		5.4 U		5.2 U		7.7 U	8.1 U	5.6 U	
Trichloroethene	EPA 8260B	2		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 U	1.6 U	1.1 U	
Tetrachloroethene	EPA 8260B	8.72		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 U	1.6 U	1.1 U	
Toluene	EPA 8260B	19000		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 U	1.6 U	1.1 U	
Ethylbenzene	EPA 8260B	2520		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 U	1.6 U	1.1 U	
m,p-Xylene	EPA 8260B			1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 U	1.6 U	1.1 U	
o-Xylene	EPA 8260B			1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 U	1.6 U	1.1 U	
1,3,5-Trimethylbenzene	EPA 8260B	2470		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 UJ	1.6 UJ	1.1 U	
1,2,4-Trimethylbenzene	EPA 8260B	2360		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 UJ	1.6 UJ	1.1 U	
Isopropylbenzene	EPA 8260B	1270		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 UJ	1.6 UJ	1.1 U	
n-Propylbenzene	EPA 8260B	13600		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 UJ	1.6 UJ	1.1 U	
sec-Butylbenzene	EPA 8260B	7860		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 UJ	1.6 UJ	1.1 U	
4-Isopropyltoluene	EPA 8260B			1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 UJ	1.6 UJ	1.1 U	
n-Butylbenzene	EPA 8260B	4640		1.1 U		1.2 U		1 U		1 U		1.1 U		1 U		1.5 UJ	1.6 UJ	1.1 U	
Naphthalene	EPA 8260B	24800		5.4 U		6.2 U		5.1 U		5.2 U		5.4 U		5.2 U		7.7 UJ	8.1 UJ	5.6 U	
SVOCs (µg/kg)																			
Naphthalene	EPA 8270D	24800												66 U		64 U		66 U	
2-Methylnaphthalene	EPA 8270D													66 U		64 U		66 U	
Acenaphthylene	EPA 8270D													66 U		64 U		66 U	
Dibenzofuran	EPA 8270D													66 U		64 U		66 U	
Phenanthrene	EPA 8270D													66 U		64 U		66 U	
Anthracene	EPA 8270D	6080000												66 U		64 U		66 U	
Di-n-Butylphthalate	EPA 8270D	50900												66 U		64 U		66 U	
Fluoranthene	EPA 8270D	44000												66 U		64 U		66 U	
Pyrene	EPA 8270D	1750000												66 U		64 U		66 U	
Benzo(a)anthracene	EPA 8270D	41.9												66 U		64 U		66 U	
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570												67		800		140	
Chrysene	EPA 8270D	46.6												66 U		64 U		66 U	
Benzo(b)fluoranthene	EPA 8270D	144												66 U		64 U		66 U	
Benzo(k)fluoranthene	EPA 8270D	144												66 U		64 U		66 U	
Benzo(a)pyrene	EPA 8270D	113												66 U		64 U		66 U	
Indeno(1,2,3-cd)pyrene	EPA 8270D	406												66 U		64 U		66 U	
Dibenz(a,h)anthracene	EPA 8270D	210												66 U		64 U		66 U	
Benzo(g,h,i)perylene	EPA 8270D													66 U		64 U		66 U	
Naphthalene	EPA 8270SIM	24800												6.6 U		8.3		6.6 U	
2-Methylnaphthalene	EPA 8270SIM													16		17		6.6 U	
Acenaphthylene	EPA 8270SIM													6.6 U		6.4 U		6.6 U	
Phenanthrene	EPA 8270SIM													50		22		6.6 U	
Anthracene	EPA 8270SIM	6080000												6.6 U		6.4 U		6.6 U	
Fluoranthene	EPA 8270SIM	44000												6.6 U		6.4 U		6.6 U	
Pyrene	EPA 8270SIM	1750000												6.6 U		6.4 U		6.6 U	
Benzo(a)anthracene	EPA 8270SIM	41.9												6.6 U		6.4 U		6.6 U	
Chrysene	EPA 8270SIM	46.6												7.9		6.4 U		6.6 U	
Benzo(b)fluoranthene	EPA 8270SIM	144												6.6 UJ		6.4 UJ		6.6 UJ	
Benzo(k)fluoranthene	EPA 8270SIM	144												6.6 U		6.4 U		6.6 U	
Benzo(a)pyrene	EPA 8270SIM	113												6.6 U		6.4 U		6.6 U	
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406												6.6 U		6.4 U		6.6 U	
Dibenz(a,h)anthracene	EPA 8270SIM	210												6.6 UJ		6.4 UJ		6.6 UJ	
Benzo(g,h,i)perylene	EPA 8270SIM													6.6 UJ		6.4 UJ		6.6 UJ	
Dibenzofuran	EPA 8270SIM													8.6		6.4 U		6.6 U	
PCBs (µg/kg)																			
Aroclor 1254	EPA 8082	33												33 U		33 U		32 U	
Aroclor 1260	EPA 8082	33												33 U		33 U		32 U	
Total PCB	EPA 8082	33												33 U		33 U		32 U	
Inorganics (mg/kg)																			
Aluminum	EPA 6010B			9860		14000		7670		7480		7180		7220		11700		8430	
Arsenic	EPA 6010B	7.3		5 U		6 U		5 U		5 U		6		5 U		6 U		5 U	
Barium	EPA 6010B	93300		27.6		45.2		21.1		21.3		24.1		20.1		28.9		24.3	
Beryllium	EPA 6010B	222		0.1 U		0.2		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U	
Cadmium	EPA 6010B	1.21		0.4		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U	
Chromium	EPA 6010B			16.8		13.9		9.7		8.8		9.1		9.6		13.6		11.5	
Cobalt	EPA 6010B			4.7		4.8		4.9		3.4		4.8		3.7		3.9		4	
Copper	EPA 6010B	36.4		12.3		19.4		9.1		8.6		11		8.1		15		10.4	
Iron	EPA 6010B			12000		16000		11800		10400		14600		11300		14400		12600	
Lead	EPA 6010B	1000		4		3		2 U		2 U		2 U		2 U		4		2	
Magnesium	EPA 6010B			2520		2730		2260		1790		2280		2150		2560		2200	
Manganese	EPA 6010B	1146		112		144		105 J		77.5 J		250 J		103 J		104		106 J	
Mercury	EPA 7471A	0.07		0.05 U		0.05 U		0.04 U		0.05 U		0.04 U		0.05 U		0.05 U		0.05 U	
Molybdenum	EPA 6010B			1.5		0.6 U		0.5 U		0.5 U		0.5 U		0.5 U		0.6 U		0.5 U	
Nickel	EPA 6010B	47.8		16		10		8.5		5		8		7		8		7	
Silver	EPA 6010B	0.323		0.3 U		0.3 U		0.3 U		0.3 U		0.3 U		0.3 U		0.4 U		0.3 U	
Thallium	EPA 7841	0.669		0.1 U		0.1 U		0.12		0.1 U		0.1 U		0.1 U		0.2		0.1 U	
Tin	EPA 6010B			1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Vanadium	EPA 6010B	56100		36.6		50.9		38.3		45.4		42.1		37.2		43.2		42	
Zinc	EPA 6010B	101		28.2		24.1		36.2		46.6		22.3		21.1		25		25.5	
Total Solids (%)	EPA 160.3			85	85	83.4	83.4	97	97	94	94	91	91	93.5	93.5	83.7	83.7	83.6	83.6
Cyanide	EPA 335.2	0.202		0.29 U	0.15 UJ	0.3 U	0.15 UJ	0.26 U	0.13 UJ	0.27 U	0.13 UJ	0.27 U	0.14 UJ	0.27 U	0.13 UJ	0.3 U	0.15 UJ	0.3 U	0.15 UJ
Petroleum Hydrocarbons (mg/kg)																			
TPH - Gasoline Range	NWTPH-Gx	30																	
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000																	
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000																	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-16-01-S	2-60-DP-16-01-S	2-60-DP-16-05-S	2-60-DP-16-05-S	2-60-DP-16-10-S	2-60-DP-16-10-S	2-60-DP-17-1_0-S	2-60-DP-17-6_5-S	2-60-DP-17-6_5-S	2-60-DP-17-10_5-S	2-60-DP-18-01-S	2-60-DP-18-01-S	2-60-DP-18-01-S	2-60-DP-18-05-S	2-60-DP-18-05-S
			Location:	2-60-DP-16	2-60-DP-16 Reanalysis	2-60-DP-16	2-60-DP-16 Reanalysis	2-60-DP-16	2-60-DP-16 Reanalysis	2-60-DP-17	2-60-DP-17	2-60-DP-17 Reanalysis	2-60-DP-17	2-60-DP-18	2-60-DP-18 Reanalysis	2-60-DP-18 Reextraction	2-60-DP-18	2-60-DP-18 Reanalysis
			Depth (ft bgs):	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	6.5 - 6.5	6.5 - 6.5	10.5 - 10.5	1 - 1	1 - 1	1 - 1	5 - 5	5 - 5
			Sample Date:	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/12/2005	8/19/2005	9/2/2005	9/2/2005	9/2/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005
VOCs (µg/kg)																		
Methylene Chloride	EPA 8260B	828		2.7 U		7.2 U	5 U	3.5 U		2.1 U	2.7 U	7 U	2.4 U	8.1 U			6.6 U	
Acetone	EPA 8260B			5.7 U		420	370	18		8 U	440	480	44	8.2 U			11 U	
Carbon Disulfide	EPA 8260B			1.1 U		42	32	1.2 U		1.1 U	1.9	3.5 U	3.2	1.3 U			1.3 U	
1,1-Dichloroethane	EPA 8260B			1.1 U		3.2	1.3 J	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
cis-1,2-Dichloroethene	EPA 8260B	794		1.1 U		11	7.3	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
2-Butanone	EPA 8260B			5.7 U		68	66	6.1 U		5.3 U	82	85	10	6.6 U			6.3 U	
Trichloroethene	EPA 8260B	2		1.1 U		1.4 U	1.3 U	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
Tetrachloroethene	EPA 8260B	8.72		1.1 U		1.4 U	1.3 U	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
Toluene	EPA 8260B	19000		1.1 U		1.4 U	1.3 U	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
Ethylbenzene	EPA 8260B	2520		1.1 U		1.4 U	1.3 U	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
m,p-Xylene	EPA 8260B			1.1 U		1.4 U	1.3 U	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
o-Xylene	EPA 8260B			1.1 U		1.4 U	1.3 U	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
1,3,5-Trimethylbenzene	EPA 8260B	2470		1.1 U		1.4 UJ	1.3 UJ	1.2 U		1.1 U	1.4 UJ	3.5 U	1.2 U	1.3 U			1.3 U	
1,2,4-Trimethylbenzene	EPA 8260B	2360		1.1 U		1.4 UJ	1.3 UJ	1.2 U		1.1 U	1.4 UJ	3.5 U	1.2 U	1.3 U			1.3 U	
Isopropylbenzene	EPA 8260B	1270		1.1 U		1.4 UJ	1.3 UJ	1.2 U		1.1 U	1.4 UJ	3.5 U	1.2 U	1.3 U			1.3 U	
n-Propylbenzene	EPA 8260B	13600		1.1 U		1.4 UJ	1.3 UJ	1.2 U		1.1 U	1.4 U	3.5 U	1.2 U	1.3 U			1.3 U	
sec-Butylbenzene	EPA 8260B	7860		1.1 U		1.4 UJ	1.3 UJ	1.2 U		1.1 U	1.4 UJ	3.5 U	1.2 U	1.3 U			1.3 U	
4-Isopropyltoluene	EPA 8260B			1.1 U		1.4 UJ	1.3 UJ	1.2 U		1.1 U	1.4 UJ	3.5 U	1.2 U	1.3 U			1.3 U	
n-Butylbenzene	EPA 8260B	4640		1.1 U		1.4 UJ	1.3 UJ	1.2 U		1.1 U	1.4 UJ	3.5 U	1.2 U	1.3 U			1.3 U	
Naphthalene	EPA 8260B	24800		5.7 U		6.9 UJ	6.6 UJ	6.1 U		5.3 U	6.9 UJ	18 U	6 U	6.6 U			6.3 U	
SVOCs (µg/kg)																		
Naphthalene	EPA 8270D	24800		66 U		63 U		66 U						63 U		63 U	64 U	
2-Methylnaphthalene	EPA 8270D			66 U		63 U		66 U						63 U		63 U	64 U	
Acenaphthylene	EPA 8270D			66 U		63 U		66 U						63 U		63 U	64 U	
Dibenzofuran	EPA 8270D			66 U		63 U		66 U						63 U		63 U	64 U	
Phenanthrene	EPA 8270D			66 U		63 U		66 U						63 U		63 U	64 U	
Anthracene	EPA 8270D	6080000		66 U		63 U		66 U						63 U		63 U	64 U	
Di-n-Butylphthalate	EPA 8270D	50900		66 U		63 U		66 U						63 U		63 U	64 U	
Fluoranthene	EPA 8270D	44000		66 U		63 U		66 U						63 U		63 U	64 U	
Pyrene	EPA 8270D	1750000		66 U		63 U		66 U						63 U		63 U	64 U	
Benzo(a)anthracene	EPA 8270D	41.9		66 U		63 U		66 U						63 U		63 U	64 U	
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570		66 U		63 U		66 U						63 U		63 U	64 U	
Chrysene	EPA 8270D	46.6		66 U		63 U		66 U						63 U		63 U	64 U	
Benzo(b)fluoranthene	EPA 8270D	144		66 U		63 U		66 U						63 U		63 U	64 U	
Benzo(k)fluoranthene	EPA 8270D	144		66 U		63 U		66 U						63 U		63 U	64 U	
Benzo(a)pyrene	EPA 8270D	113		66 U		63 U		66 U						63 U		63 U	64 U	
Indeno(1,2,3-cd)pyrene	EPA 8270D	406		66 U		63 U		66 U						63 U		63 U	64 U	
Dibenz(a,h)anthracene	EPA 8270D	210		66 U		63 U		66 U						63 U		63 U	64 U	
Benzo(g,h,i)perylene	EPA 8270D			66 U		63 U		66 U						63 U		63 U	64 U	
Naphthalene	EPA 8270SIM	24800		6.6 U		8.2		6.6 U						6.3 U			6.4 U	
2-Methylnaphthalene	EPA 8270SIM			6.6 U		19		6.6 U						6.3 U			6.4 U	
Acenaphthylene	EPA 8270SIM			6.6 U		6.3 U		6.6 U						11			6.4 U	
Phenanthrene	EPA 8270SIM			6.6 U		33		6.6						51			6.4 U	
Anthracene	EPA 8270SIM	6080000		6.6 U		6.3 U		6.6 U						8.2			6.4 U	
Fluoranthene	EPA 8270SIM	44000		6.6 U		13		6.6 U						36			6.4 U	
Pyrene	EPA 8270SIM	1750000		9.2		14		6.6 U						59			6.4 U	
Benzo(a)anthracene	EPA 8270SIM	41.9		6.6 U		6.3		6.6 U						20			6.4 U	
Chrysene	EPA 8270SIM	46.6		6.6 U		8.9		6.6 U						24			6.4 U	
Benzo(b)fluoranthene	EPA 8270SIM	144		6.6 UJ		6.3 UJ		6.6 UJ						17 J			6.4 UJ	
Benzo(k)fluoranthene	EPA 8270SIM	144		6.6 U		6.3 U		6.6 U						15			6.4 U	
Benzo(a)pyrene	EPA 8270SIM	113		6.6 U		6.3 U		6.6 U						18			6.4 U	
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406		6.6 U		6.3 U		6.6 U						11			6.4 U	
Dibenz(a,h)anthracene	EPA 8270SIM	210		6.6 UJ		6.3 UJ		6.6 UJ						6.3 U			6.4 U	
Benzo(g,h,i)perylene	EPA 8270SIM			6.6 UJ		6.3 UJ		6.6 UJ						15			6.4 U	
Dibenzofuran	EPA 8270SIM			6.6 U		8.2		6.6 U						6.3 U			6.4 U	
PCBs (µg/kg)																		
Aroclor 1254	EPA 8082	33		36		32 U		32 U		33 U	32 U		33 U	33 U			33 U	
Aroclor 1260	EPA 8082	33		33 U		32 U		32 U		33 U	32 U		33 U	33 U			33 U	
Total PCB	EPA 8082	33		36 J		32 U		32 U		33 U	32 U		33 U	33 U			33 U	
Inorganics (mg/kg)																		
Aluminum	EPA 6010B			9490		17000		17300		12600	17600		15200	12500			17700	
Arsenic	EPA 6010B	7.3		6		7		7		5 U	9		7	5 U			7	
Barium	EPA 6010B	93300		37.8		42.1		73.2		47.8	61.6		48	45.8			50	
Beryllium	EPA 6010B	222		0.1 U		0.3		0.2		0.2	0.2		0.1 U	0.2			0.2	
Cadmium	EPA 6010B	1.21		0.2 U		0.3 U		0.3 U		0.2 U	0.3 U		0.6	0.2 U			0.3 U	
Chromium	EPA 6010B			15.6		18.9		18		29.5	14		21.3	26			15.4	
Cobalt	EPA 6010B			4.9		6.7		6.5		6.7	10.3		21	6.3			4	
Copper	EPA 6010B	36.4		19.4		29.1		23.4		14	28		24.7	13.6			24.1	
Iron	EPA 6010B			13700		20300		16900		16100	13400		19100	16200			14800	
Lead	EPA 6010B	1000		6		7		6		6	12		3	5			3	
Magnesium	EPA 6010B			2970		4580		4290		5570	2930		2640	5550			2770	
Manganese	EPA 6010B	1146		141 J		219 J		177 J		287	90.7		133	261			109	
Mercury	EPA 7471A	0.07		0.05		0.06		0.07 U		0.05 U	0.06 U		0.06	0.04 U			0.05 U	
Molybdenum	EPA 6010B			0.6		0.7		0.8		0.5 U	1.7		1.5	0.5 U			0.8	
Nickel	EPA 6010B	47.8		15		14		13		33	9		8	34			8	
Silver	EPA 6010B	0.323		0.3 U		0.4 U		0.4 U		0.3 U	0.9		4.5	0.3 U			0.4 U	
Thallium	EPA 7841	0.669		0.1 U		0.1		0.1 U		0.1 UJ	0.2 J		0.1 U	0.1 U			0.1 U	
Tin	EPA 6010B			1 U		1 U		1 U		1 U	1 U		1 U	1 U			1 U	
Vanadium	EPA 6010B	56100		41.8		56.1		49		41.5	52.4		54.2	40.7			58.1	
Zinc	EPA 6010B	101		46.4		41.4		39.5		38.3	39.8		21.3	34.6			24.9	
Total Solids (%)	EPA 160.3			92.7	92.7	80.9	80.9	82.3	82.3					92.7	92.7		83.7	83.7
Cyanide	EPA 335.2	0.202		0.27 U	0.13 UJ	0.31 U	0.15 UJ	0.3 U	0.24 J					0.27 U	0.13 UJ		0.3 U	0.15 UJ
Petroleum Hydrocarbons (mg/kg)																		
TPH - Gasoline Range	NWTPH-Gx	30								34								
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000																
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000																

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-18-05-S	2-60-DP-18-10-S	2-60-DP-18-10-S	2-60-DP-18-10-S	2-60-DP-19-01-S	2-60-DP-19-01-S	2-60-DP-19-01-S	2-60-DP-19-05-S	2-60-DP-19-05-S	2-60-DP-19-05-S	2-60-DP-19-10-S	2-60-DP-19-10-S	2-60-DP-19-10-S	2-60-DP-19-10-S
			Location:	2-60-DP-18 Reextraction	2-60-DP-18	2-60-DP-18 Reanalysis	2-60-DP-18 Reextraction	2-60-DP-19	2-60-DP-19 Reanalysis	2-60-DP-19 Reextraction	2-60-DP-19	2-60-DP-19 Reanalysis	2-60-DP-19 Reextraction	2-60-DP-19	2-60-DP-19 Dilution	2-60-DP-19 Reanalysis	2-60-DP-19 Reextraction
			Depth (ft bgs):	5 - 5	10 - 10	10 - 10	10 - 10	1 - 1	1 - 1	1 - 1	5 - 5	5 - 5	5 - 5	10 - 10	10 - 10	10 - 10	10 - 10
			Sample Date:	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005	8/5/2005
VOCs (µg/kg)																	
Methylene Chloride	EPA 8260B	828			3.5 U			2.1 UJ			7.2 U			8.2 U			
Acetone	EPA 8260B				9.3 U			5.4 UJ			5.7 U			7.2 U			
Carbon Disulfide	EPA 8260B				1.3 U			1.1 UJ			1.1 U			1.3 U			
1,1-Dichloroethane	EPA 8260B				1.3 U			1.1 UJ			1.1 U			1.3 U			
cis-1,2-Dichloroethene	EPA 8260B	794			1.3 U			1.1 UJ			1.1 U			1.3 U			
2-Butanone	EPA 8260B				6.5 U			5.4 UJ			5.7 U			6.3 U			
Trichloroethene	EPA 8260B	2			1.3 U			1.1 UJ			1.1 U			1.3 U			
Tetrachloroethene	EPA 8260B	8.72			1.3 U			1.1 UJ			1.1 U			1.3 U			
Toluene	EPA 8260B	19000			1.3 U			50 J			1.1 U			1.3 U			
Ethylbenzene	EPA 8260B	2520			1.3 U			15 J			1.1 U			1.3 U			
m,p-Xylene	EPA 8260B				1.3 U			51 J			1.1 U			1.3 U			
o-Xylene	EPA 8260B				1.3 U			14 J			1.1 U			1.3 U			
1,3,5-Trimethylbenzene	EPA 8260B	2470			1.3 U			1.1 UJ			1.1 U			1.3 U			
1,2,4-Trimethylbenzene	EPA 8260B	2360			1.3 U			1.1 UJ			1.1 U			1.3 U			
Isopropylbenzene	EPA 8260B	1270			1.3 U			1.1 UJ			1.1 U			1.3 U			
n-Propylbenzene	EPA 8260B	13600			1.3 U			1.1 UJ			1.1 U			1.3 U			
sec-Butylbenzene	EPA 8260B	7860			1.3 U			1.1 UJ			1.1 U			1.3 U			
4-Isopropyltoluene	EPA 8260B				1.3 U			1.1 UJ			1.1 U			1.3 U			
n-Butylbenzene	EPA 8260B	4640			1.3 U			1.1 UJ			1.1 U			1.3 U			
Naphthalene	EPA 8260B	24800			6.5 U			5.4 UJ			5.7 U			6.3 U			
SVOCs (µg/kg)																	
Naphthalene	EPA 8270D	24800		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
2-Methylnaphthalene	EPA 8270D			61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Acenaphthylene	EPA 8270D			61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Dibenzofuran	EPA 8270D			61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Phenanthrene	EPA 8270D			61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Anthracene	EPA 8270D	6080000		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Di-n-Butylphthalate	EPA 8270D	50900		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			92
Fluoranthene	EPA 8270D	44000		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Pyrene	EPA 8270D	1750000		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Benzo(a)anthracene	EPA 8270D	41.9		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570		61 U	66 U		69 U	65 U		65 U	65 U		270	66 U			110
Chrysene	EPA 8270D	46.6		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Benzo(b)fluoranthene	EPA 8270D	144		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Benzo(k)fluoranthene	EPA 8270D	144		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Benzo(a)pyrene	EPA 8270D	113		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Indeno(1,2,3-cd)pyrene	EPA 8270D	406		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Dibenz(a,h)anthracene	EPA 8270D	210		61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Benzo(g,h,i)perylene	EPA 8270D			61 U	66 U		69 U	65 U		65 U	65 U		65 U	66 U			66 U
Naphthalene	EPA 8270SIM	24800			6.6 U			6.5 U			6.5 U			6.6 U			
2-Methylnaphthalene	EPA 8270SIM				6.6 U			6.5 U			6.5 U			6.6 U			
Acenaphthylene	EPA 8270SIM				6.6 U			6.5 U			6.5 U			6.6 U			
Phenanthrene	EPA 8270SIM				6.6 U			13			6.5 U			6.6 U			
Anthracene	EPA 8270SIM	6080000			6.6 U			6.5 U			6.5 U			6.6 U			
Fluoranthene	EPA 8270SIM	44000			6.6 U			6.5 U			7.2			7.3			
Pyrene	EPA 8270SIM	1750000			6.6 U			7.2			9.2			11			
Benzo(a)anthracene	EPA 8270SIM	41.9			6.6 U			6.5 U			7.2			8.6			
Chrysene	EPA 8270SIM	46.6			6.6 U			12			8.5			8.6			
Benzo(b)fluoranthene	EPA 8270SIM	144			6.6 UJ			6.5 UJ			7.8 J			7.3 J			
Benzo(k)fluoranthene	EPA 8270SIM	144			6.6 U			6.5 U			5.9 J			6 J			
Benzo(a)pyrene	EPA 8270SIM	113			6.6 U			6.5 U			7.2 J			8.6			
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406			6.6 U			6.5 U			6.5 U			6.6 U			
Dibenz(a,h)anthracene	EPA 8270SIM	210			6.6 U			6.5 U			6.5 U			6.6 U			
Benzo(g,h,i)perylene	EPA 8270SIM				6.6 U			6.5 U			6.5 U			6.6 U			
Dibenzofuran	EPA 8270SIM				6.6 U			6.5 U			6.5 U			6.6 U			
PCBs (µg/kg)																	
Aroclor 1254	EPA 8082	33			33 U			33 U			32 U			33 U	100 U		
Aroclor 1260	EPA 8082	33			33 U			55			33			370 E	400		
Total PCB	EPA 8082	33			33 U			55			33			370 E	400		
Inorganics (mg/kg)																	
Aluminum	EPA 6010B				13900			15200			12900			14800			
Arsenic	EPA 6010B	7.3			7 U			7			6			6 U			
Barium	EPA 6010B	93300			37.3			49.9			51.5			51.4			
Beryllium	EPA 6010B	222			0.1 U			0.2			0.1			0.1 U			
Cadmium	EPA 6010B	1.21			0.3 U			0.2 U			0.2 U			0.2 U			
Chromium	EPA 6010B				16.3			16.9			24			29			
Cobalt	EPA 6010B				2.7			4.1			4.4			4.4			
Copper	EPA 6010B	36.4			20.8			23			21.6			22.8			
Iron	EPA 6010B				14600			20600			15700			18000			
Lead	EPA 6010B	1000			3			7			13			12			
Magnesium	EPA 6010B				2540			3260			3240			3770			
Manganese	EPA 6010B	1146			80.6			140			155			156			
Mercury	EPA 7471A	0.07			0.06 U			0.05 U			0.04			0.05 U			
Molybdenum	EPA 6010B				0.7 U			1.3			1.1			0.9			
Nickel	EPA 6010B	47.8			6			11			14			18			
Silver	EPA 6010B	0.323			0.4 U			0.4 U			0.3 U			0.4 U			
Thallium	EPA 7841	0.669			0.1 U			0.1 U			0.1 U			0.1 U			
Tin	EPA 6010B				1 U			1 U			1 U			1 U			
Vanadium	EPA 6010B	56100			47.7			50.7			47.1			51.1			
Zinc	EPA 6010B	101			21.9			39.5			48			54.1			
Total Solids (%)	EPA 160.3				73.1	73.1		84.5	84.5		87.8	87.8		76		76	
Cyanide	EPA 335.2	0.202			0.34 U	0.17 UJ		0.3 U	0.15 UJ		0.28 U	0.14 UJ		0.33 U		0.16 UJ	
Petroleum Hydrocarbons (mg/kg)																	
TPH - Gasoline Range	NWTPH-Gx	30															
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000															
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000															

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-20-01-S	2-60-DP-20-01-S	2-60-DP-20-05-S	2-60-DP-20-05-S	2-60-DP-20-10-S	2-60-DP-20-10-S	2-60-DP-21-1_0-S	2-60-DP-21-04_5-S	2-60-DP-21-09_5-S	2-60-DP-22-01-S	2-60-DP-22-01-S	2-60-DP-22-05-S	2-60-DP-22-05-S	2-60-DP-22-10-S	2-60-DP-22-10-S	2-60-DP-23-01-S
			Location:	2-60-DP-20	2-60-DP-20 Reanalysis	2-60-DP-20	2-60-DP-20 Reanalysis	2-60-DP-20	2-60-DP-20 Reanalysis	2-60-DP-21	2-60-DP-21	2-60-DP-21	2-60-DP-22	2-60-DP-22 Reanalysis	2-60-DP-22	2-60-DP-22 Reanalysis	2-60-DP-22	2-60-DP-22 Reanalysis	2-60-DP-23
			Depth (ft bgs):	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	4.5 - 4.5	9.5 - 9.5	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1
			Sample Date:	8/8/2005	8/8/2005	8/8/2005	8/8/2005	8/8/2005	8/8/2005	8/19/2005	8/23/2005	8/23/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005
VOCs (µg/kg)																			
Methylene Chloride	EPA 8260B	828		4.7 UJ		3.5 UJ		2.8 UJ		2.2 U	2.1 U	2.4 U	2.1 U		5.2 U		2.3 UJ		2.1 U
Acetone	EPA 8260B			7.7 U		5.6 U		6.2 U		5.4 U	5.3 U	110	5.3 U		5.2 U		5.9 UJ		5.3 U
Carbon Disulfide	EPA 8260B			1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
1,1-Dichloroethane	EPA 8260B			1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
cis-1,2-Dichloroethene	EPA 8260B	794		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
2-Butanone	EPA 8260B			6.2 U		5.6 U		6.2 U		5.4 U	5.3 U	28	5.3 U		5.2 U		5.9 UJ		5.3 U
Trichloroethene	EPA 8260B	2		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
Tetrachloroethene	EPA 8260B	8.72		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
Toluene	EPA 8260B	19000		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
Ethylbenzene	EPA 8260B	2520		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
m,p-Xylene	EPA 8260B			1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
o-Xylene	EPA 8260B			1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
1,3,5-Trimethylbenzene	EPA 8260B	2470		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
1,2,4-Trimethylbenzene	EPA 8260B	2360		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
Isopropylbenzene	EPA 8260B	1270		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
n-Propylbenzene	EPA 8260B	13600		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
sec-Butylbenzene	EPA 8260B	7860		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
4-Isopropyltoluene	EPA 8260B			1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
n-Butylbenzene	EPA 8260B	4640		1.2 U		1.1 U		1.2 U		1.1 U	1.1 U	1.2 U	1.1 U		1 U		1.2 UJ		1.1 U
Naphthalene	EPA 8260B	24800		6.2 U		5.6 U		6.2 U		5.4 U	5.3 U	6 U	5.3 U		5.2 U		5.9 UJ		5.3 U
SVOCs (µg/kg)																			
Naphthalene	EPA 8270D	24800		65 U		64 U		65 U											
2-Methylnaphthalene	EPA 8270D			65 U		64 U		65 U											
Acenaphthylene	EPA 8270D			65 U		64 U		65 U											
Dibenzofuran	EPA 8270D			65 U		64 U		65 U											
Phenanthrene	EPA 8270D			65 U		64 U		65 U											
Anthracene	EPA 8270D	6080000		65 U		64 U		65 U											
Di-n-Butylphthalate	EPA 8270D	50900		65 U		64 U		65 U											
Fluoranthene	EPA 8270D	44000		65 U		64 U		65 U											
Pyrene	EPA 8270D	1750000		65 U		64 U		65 U											
Benzo(a)anthracene	EPA 8270D	41.9		65 U		64 U		65 U											
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570		65 U		64 U		65 U											
Chrysene	EPA 8270D	46.6		65 U		64 U		65 U											
Benzo(b)fluoranthene	EPA 8270D	144		65 U		64 U		65 U											
Benzo(k)fluoranthene	EPA 8270D	144		65 U		64 U		65 U											
Benzo(a)pyrene	EPA 8270D	113		65 U		64 U		65 U											
Indeno(1,2,3-cd)pyrene	EPA 8270D	406		65 U		64 U		65 U											
Dibenz(a,h)anthracene	EPA 8270D	210		65 U		64 U		65 U											
Benzo(g,h,i)perylene	EPA 8270D			65 U		64 U		65 U											
Naphthalene	EPA 8270SIM	24800		6.5 U		6.4 U		6.5 U											
2-Methylnaphthalene	EPA 8270SIM			6.5 U		6.4 U		6.5 U											
Acenaphthylene	EPA 8270SIM			6.5 U		6.4 U		6.5 U											
Phenanthrene	EPA 8270SIM			11		6.4 U		6.5 U											
Anthracene	EPA 8270SIM	6080000		6.5 U		6.4 U		6.5 U											
Fluoranthene	EPA 8270SIM	44000		18		6.4 U		6.5 U											
Pyrene	EPA 8270SIM	1750000		39		6.4 U		6.5 U											
Benzo(a)anthracene	EPA 8270SIM	41.9		20		6.4 U		6.5 U											
Chrysene	EPA 8270SIM	46.6		26		6.4 U		6.5 U											
Benzo(b)fluoranthene	EPA 8270SIM	144		20 J		6.4 UJ		6.5 UJ											
Benzo(k)fluoranthene	EPA 8270SIM	144		25		6.4 U		6.5 U											
Benzo(a)pyrene	EPA 8270SIM	113		34		6.4 U		6.5 U											
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406		18		6.4 U		6.5 U											
Dibenz(a,h)anthracene	EPA 8270SIM	210		7.8		6.4 U		6.5 U											
Benzo(g,h,i)perylene	EPA 8270SIM			23		6.4 U		6.5 U											
Dibenzofuran	EPA 8270SIM			6.5 U		6.4 U		6.5 U											
PCBs (µg/kg)																			
Aroclor 1254	EPA 8082	33		33 U		32 U		33 U											33 U
Aroclor 1260	EPA 8082	33		33 U		32 U		33 U											33 U
Total PCB	EPA 8082	33		33 U		32 U		33 U											33 U
Inorganics (mg/kg)																			
Aluminum	EPA 6010B			14800		15000		17700		10400	11000	12100	13000		12600		11300		8900
Arsenic	EPA 6010B	7.3		10		6		9		5 U	6	6 U	5 U		5 U		6 U		5 U
Barium	EPA 6010B	93300		67.9		39.4		46.5		42.2	37.1	41.2	49.6		47.6		40.7		28.1
Beryllium	EPA 6010B	222		0.2		0.1		0.1 U		0.14	0.1	0.1	0.17		0.2		0.1		0.1
Cadmium	EPA 6010B	1.21		0.2 U		0.2 U		0.3 U		0.2 U	0.2 U	0.3 U	0.2 U		0.2 U		0.2 U		0.2 U
Chromium	EPA 6010B			14.9		12.7		19.5		37.1	13.6	13.9	27.1		28.1		12.2		13.2
Cobalt	EPA 6010B			6.2		4.5		2.9		6.6	5.3	5	8.8		6.6		4.8		4.8
Copper	EPA 6010B	36.4		20.8		17.2		35.5		11.5	12.7	15.6	17.9		11.6		17.4		13.7
Iron	EPA 6010B			16900		13800		27500		15500	15000	15700	16400		14700		13500		12600
Lead	EPA 6010B	1000		19		3		4		2	3	4	8		2 U		2		15
Magnesium	EPA 6010B			3050		2370		2880		6160	3020	2390	6020		5830		2630		2730
Manganese	EPA 6010B	1146		289		152		81.3		324	144	208	318		263		145		150
Mercury	EPA 7471A	0.07		0.04		0.11		0.06 U		0.04 U	0.04 U	0.06 U	0.05 U		0.05 U		0.04 U		0.04 U
Molybdenum	EPA 6010B			0.6 U		0.7		1.5		0.5 U	0.5 U	0.6 U	0.5 U		0.6		0.6 U		0.5 U
Nickel	EPA 6010B	47.8		11		7		6		37.4	10	9	36.5		38		9		12
Silver	EPA 6010B	0.323		0.4 U		0.3 U		0.4 U		0.3 U	0.3 U	0.4 U	0.3 U		0.3 U		0.3 U		0.3 U
Thallium	EPA 7841	0.669		0.2		0.1 U		0.2		0.1 U	0.3	0.1	0.1 U		0.1 U		0.1 U		0.1
Tin	EPA 6010B			1 U		1 U		1 U		1 U	1 U	1 U	1 U		1 U		1 U		1 U
Vanadium	EPA 6010B	56100		49.3		49		68.6		36	43	45	43.2		35.8		44		40.4
Zinc	EPA 6010B	101		72.6		22.9		18.9		29.4	33.7	25	34.4		28.1		25.3		32.1
Total Solids (%)	EPA 160.3			80.1	80.1	80.3	80.3	72.6	72.6				94.7	94.7	94.3	94.3	86.3	86.3	92.4
Cyanide	EPA 335.2	0.202		0.56	0.34 J	0.31 U	0.16 UJ	0.34 U	0.17 UJ				0.26 U	0.13 UJ	0.27 U	0.13 UJ	0.29 U	0.14 UJ	0.27 U
Petroleum Hydrocarbons (mg/kg)																			
TPH - Gasoline Range	NWTPH-Gx	30																	
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000																	
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000																	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-23-01-S	2-60-DP-23-05-S	2-60-DP-23-05-S	2-60-DP-23-10-S	2-60-DP-23-10-S	2-60-DP-24-01-S	2-60-DP-24-01-S	2-60-DP-24-05-S	2-60-DP-24-05-S	2-60-DP-24-10-S	2-60-DP-24-10-S	2-60-DP-25-01-S	2-60-DP-25-05-S	2-60-DP-25-10-S	2-60-DP-26-01-S	2-60-DP-26-05-S
			Location:	2-60-DP-23 Reanalysis	2-60-DP-23	2-60-DP-23 Reanalysis	2-60-DP-23	2-60-DP-23 Reanalysis	2-60-DP-24	2-60-DP-24 Reanalysis	2-60-DP-24	2-60-DP-24 Reanalysis	2-60-DP-24	2-60-DP-24 Reanalysis	2-60-DP-25	2-60-DP-25	2-60-DP-25	2-60-DP-26	2-60-DP-26
			Depth (ft bgs):	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	1 - 1	5 - 5	5 - 5	10 - 10	10 - 10	1 - 1	5 - 5	10 - 10	1 - 1	5 - 5
			Sample Date:	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/16/2005	8/15/2005	8/15/2005	8/15/2005	8/15/2005	8/15/2005
VOCs (µg/kg)																			
Methylene Chloride	EPA 8260B	828			2.2 U		2.4 U		1.9 U		2 U		2.2 U		2.1 U	2.1 U	2.5 U	2.1 U	2.1 U
Acetone	EPA 8260B				5.5 U		5.9 U		4.8 U		4.9 U		9.5		5.2 U	6.1	6.2 U	18	5.5
Carbon Disulfide	EPA 8260B				1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
1,1-Dichloroethane	EPA 8260B				1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
cis-1,2-Dichloroethene	EPA 8260B	794			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
2-Butanone	EPA 8260B				5.5 U		5.9 U		4.8 U		4.9 U		5.5 U		5.2 U	5.4 U	6.2 U	5.3 U	5.2 U
Trichloroethene	EPA 8260B	2			1.1 U		1.2		0.96 U		0.98 U		1.1 U		3.7	5.7	8.4	1.1 U	1 U
Tetrachloroethene	EPA 8260B	8.72			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
Toluene	EPA 8260B	19000			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
Ethylbenzene	EPA 8260B	2520			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
m,p-Xylene	EPA 8260B				1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
o-Xylene	EPA 8260B				1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260B	2470			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
1,2,4-Trimethylbenzene	EPA 8260B	2360			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
Isopropylbenzene	EPA 8260B	1270			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
n-Propylbenzene	EPA 8260B	13600			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
sec-Butylbenzene	EPA 8260B	7860			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
4-Isopropyltoluene	EPA 8260B				1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
n-Butylbenzene	EPA 8260B	4640			1.1 U		1.2 U		0.96 U		0.98 U		1.1 U		1 U	1.1 U	1.2 U	1.1 U	1 U
Naphthalene	EPA 8260B	24800			5.5 U		5.9 U		4.8 U		4.9 U		5.5 U		5.2 U	5.4 U	6.2 U	5.3 U	5.2 U
SVOCs (µg/kg)																			
Naphthalene	EPA 8270D	24800							65 U		66 U		61 U						
2-Methylnaphthalene	EPA 8270D								65 U		66 U		61 U						
Acenaphthylene	EPA 8270D								65 U		66 U		61 U						
Dibenzofuran	EPA 8270D								65 U		66 U		61 U						
Phenanthrene	EPA 8270D								65 U		66 U		61 U						
Anthracene	EPA 8270D	6080000							65 U		66 U		61 U						
Di-n-Butylphthalate	EPA 8270D	50900							65 U		66 U		61 U						
Fluoranthene	EPA 8270D	44000							65 U		66 U		61 U						
Pyrene	EPA 8270D	1750000							65 U		66 U		61 U						
Benzo(a)anthracene	EPA 8270D	41.9							65 U		66 U		61 U						
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570							65 U		320		92						
Chrysene	EPA 8270D	46.6							65 U		66 U		61 U						
Benzo(b)fluoranthene	EPA 8270D	144							65 U		66 U		61 U						
Benzo(k)fluoranthene	EPA 8270D	144							65 U		66 U		61 U						
Benzo(a)pyrene	EPA 8270D	113							65 U		66 U		61 U						
Indeno(1,2,3-cd)pyrene	EPA 8270D	406							65 U		66 U		61 U						
Dibenz(a,h)anthracene	EPA 8270D	210							65 U		66 U		61 U						
Benzo(g,h,i)perylene	EPA 8270D								65 U		66 U		61 U						
Naphthalene	EPA 8270SIM	24800							6.5 U		6.6 U		6.1 U						
2-Methylnaphthalene	EPA 8270SIM								6.5 U		6.6 U		6.1 U						
Acenaphthylene	EPA 8270SIM								6.5 U		6.6 U		6.1 U						
Phenanthrene	EPA 8270SIM								6.5 U		7.9		7.3						
Anthracene	EPA 8270SIM	6080000							6.5 U		6.6 U		6.1 U						
Fluoranthene	EPA 8270SIM	44000							6.5 U		6.6 U		6.1 U						
Pyrene	EPA 8270SIM	1750000							6.5 U		6.6 U		8						
Benzo(a)anthracene	EPA 8270SIM	41.9							6.5 U		6.6 U		6.1 U						
Chrysene	EPA 8270SIM	46.6							6.5 U		11		9.8						
Benzo(b)fluoranthene	EPA 8270SIM	144							6.5 UJ		6.6 UJ		6.1 UJ						
Benzo(k)fluoranthene	EPA 8270SIM	144							6.5 U		6.6 U		6.1 U						
Benzo(a)pyrene	EPA 8270SIM	113							6.5 U		6.6 U		6.1 U						
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406							6.5 U		6.6 U		6.1 U						
Dibenz(a,h)anthracene	EPA 8270SIM	210							6.5 U		6.6 U		6.1 U						
Benzo(g,h,i)perylene	EPA 8270SIM								6.5 UJ		6.6 UJ		6.1 UJ						
Dibenzofuran	EPA 8270SIM								6.5 U		6.6 U		6.1 U						
PCBs (µg/kg)																			
Aroclor 1254	EPA 8082	33			33 U		33 U		33 U		33 U		33 U						
Aroclor 1260	EPA 8082	33			33 U		33 U		33 U		33 U		33 U						
Total PCB	EPA 8082	33			33 U		33 U		33 U		33 U		33 U						
Inorganics (mg/kg)																			
Aluminum	EPA 6010B				8650		10500		8190		8470		12300		8200	9150	9960	12500	9980
Arsenic	EPA 6010B	7.3			5 U		8		5 U		5 U		7		5 U	5 U	5 U	5 U	5 U
Barium	EPA 6010B	93300			27.3		59.3		25.8		20.9		32.1		20.2	37.9	32.9	53.7	37.1
Beryllium	EPA 6010B	222			0.1 U		0.2		0.14		0.1 U		0.2		0.1 U	0.1 U	0.1 U	0.13	0.1 U
Cadmium	EPA 6010B	1.21			0.2 U		0.4		0.2 U		0.2 U		0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	EPA 6010B				10.8		12.6		10.2		13.1		18.8		11.1	12.5	14	25.3	21.4
Cobalt	EPA 6010B				4.1		5.7		4.1		3.8		5.6		4.9	7.3	5.1	6.8	20.6
Copper	EPA 6010B	36.4			10		23.1		11		10.5		23.1		12.4	14.2	13.9	11.7	16.7
Iron	EPA 6010B				12300		15200		11800		12100		17900		12300	12400	13600	15700	13500
Lead	EPA 6010B	1000			2		30		3		2 U		6		2	10	2 U	2	5
Magnesium	EPA 6010B				2190		2770		2430		2570		3930		2510	2220	2240	5520	3150
Manganese	EPA 6010B	1146			143		274		119		120		168		118	162	161	272	165
Mercury	EPA 7471A	0.07			0.04 U		0.06		0.05 U		0.05 U		0.06 U		0.04 U	0.05	0.05 U	0.04 U	0.05 U
Molybdenum	EPA 6010B				0.5 U		0.6 U		0.5 U		0.6		1.2		0.5 U	0.5 U	0.6	0.5 U	0.8
Nickel	EPA 6010B	47.8			7		12		7.8		8		12		9	8	8	35.3	17
Silver	EPA 6010B	0.323			0.3 U		0.4 U		0.3 U		0.3 U		0.4 U		0.3 U	0.3 U	0.3 U	0.3 U	2.9
Thallium	EPA 7841	0.669			0.1 U		0.1 U		0.1 U		0.1 U		0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tin	EPA 6010B				1 U		6		1 U		1 U		1 U		1 U	1 U	1 U	1 U	1 U
Vanadium	EPA 6010B	56100			43.5		45.4		38.6		40.1		50.8		43.8	44.5	51.2	37.2	40.9
Zinc	EPA 6010B	101			24.6		57.8		26.4		22.3		37		24.6	42.4	23.7	31.1	31.7
Total Solids (%)	EPA 160.3		92.4	93.2		79.6		96.1		94		77.5							
Cyanide	EPA 335.2	0.202	0.14 UJ	0.27 U	0.13 UJ	0.31 U	0.16 UJ	0.26 U	0.13 UJ	0.26 U	0.13 UJ	0.32 U	0.16 UJ						
Petroleum Hydrocarbons (mg/kg)																			
TPH - Gasoline Range	NWTPH-Gx	30																	
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000																	
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000																	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 4

Data Gap Investigation, 2-60s Area
Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Sample ID:	2-60-DP-26-10-S	2-60-PL2-604A-0_7-S	2-60-PL2-604A-5_0-S	2-60-PL2-604A-5_0-S	2-60-PL2-604A-09_0-S	2-60-PL2-605A-8_5-S	2-60-PL2-605A-10-S	2-60-PL2-606A-1_5-S	2-60-PL2-606A-2_5-S	2-60-PL2-606A-5_2-S	2-60-PL2-606A-10-S	2-60-PL2-606A-10-S
			Location:	2-60-DP-26	PL2-604A	PL2-604A	PL2-604A Dilution	PL2-604A	PL2-605A	PL2-605A	PL2-606A	PL2-606A	PL2-606A	PL2-606A	PL2-606A Reanalysis
			Depth (ft bgs):	10 - 10	0.7 - 0.7	5 - 5	5 - 5	9 - 9	8.5 - 8.5	10 - 10	1.5 - 1.5	2.5 - 2.5	5.2 - 5.2	10 - 10	10 - 10
			Sample Date:	8/15/2005	8/19/2005	8/19/2005	8/19/2005	8/23/2005	8/19/2005	8/19/2005	8/19/2005	8/19/2005	8/19/2005	8/19/2005	8/19/2005
VOCs (µg/kg)															
Methylene Chloride	EPA 8260B	828		2.4 U	2 U	2.1 U		2.2 U	2.3 U	2.4 U	3.2 U	2.2 U	2.9 U	320 UJ	1300 UJ
Acetone	EPA 8260B			6.1 U	5.1 U	6.1 U		28 U	9.4 U	15 U	6.5 U	5.5 U	5.6 U	800 UJ	3200 UJ
Carbon Disulfide	EPA 8260B			1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	160 UJ	640 UJ
1,1-Dichloroethane	EPA 8260B			1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	160 UJ	640 UJ
cis-1,2-Dichloroethene	EPA 8260B	794		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	160 UJ	640 UJ
2-Butanone	EPA 8260B			6.1 U	5.1 U	5.2 U		5.4 U	5.6 U	6 U	5.3 U	5.5 U	5.6 U	800 UJ	3200 UJ
Trichloroethene	EPA 8260B	2		1.7	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	160 UJ	640 UJ
Tetrachloroethene	EPA 8260B	8.72		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	160 UJ	640 UJ
Toluene	EPA 8260B	19000		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	160 UJ	640 UJ
Ethylbenzene	EPA 8260B	2520		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	3.6	9400 J	13000 J
m,p-Xylene	EPA 8260B			1.2 U	1.1	1 U		1.1 U	1.1 U	1.2 U	1.4	1.1 U	3.6	11000 J	14000 J
o-Xylene	EPA 8260B			1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	490 J	650 J
1,3,5-Trimethylbenzene	EPA 8260B	2470		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	2000 J	2300 J
1,2,4-Trimethylbenzene	EPA 8260B	2360		1.2 U	3.6	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	17000 J	57000 J
Isopropylbenzene	EPA 8260B	1270		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	5200 J	6800 J
n-Propylbenzene	EPA 8260B	13600		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	6000 J	6100 J
sec-Butylbenzene	EPA 8260B	7860		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	3400 J	4700 J
4-Isopropyltoluene	EPA 8260B			1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	7400 J	10000 J
n-Butylbenzene	EPA 8260B	4640		1.2 U	1 U	1 U		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	6700 J	9700 J
Naphthalene	EPA 8260B	24800		6.1 U	5.1 U	5.2 U		5.4 U	5.6 U	52	5.3 U	5.5 U	6.9	17000 J	38000 J
SVOCs (µg/kg)															
Naphthalene	EPA 8270D	24800													
2-Methylnaphthalene	EPA 8270D														
Acenaphthylene	EPA 8270D														
Dibenzofuran	EPA 8270D														
Phenanthrene	EPA 8270D														
Anthracene	EPA 8270D	6080000													
Di-n-Butylphthalate	EPA 8270D	50900													
Fluoranthene	EPA 8270D	44000													
Pyrene	EPA 8270D	1750000													
Benzo(a)anthracene	EPA 8270D	41.9													
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570													
Chrysene	EPA 8270D	46.6													
Benzo(b)fluoranthene	EPA 8270D	144													
Benzo(k)fluoranthene	EPA 8270D	144													
Benzo(a)pyrene	EPA 8270D	113													
Indeno(1,2,3-cd)pyrene	EPA 8270D	406													
Dibenz(a,h)anthracene	EPA 8270D	210													
Benzo(g,h,i)perylene	EPA 8270D														
Naphthalene	EPA 8270SIM	24800													
2-Methylnaphthalene	EPA 8270SIM														
Acenaphthylene	EPA 8270SIM														
Phenanthrene	EPA 8270SIM														
Anthracene	EPA 8270SIM	6080000													
Fluoranthene	EPA 8270SIM	44000													
Pyrene	EPA 8270SIM	1750000													
Benzo(a)anthracene	EPA 8270SIM	41.9													
Chrysene	EPA 8270SIM	46.6													
Benzo(b)fluoranthene	EPA 8270SIM	144													
Benzo(k)fluoranthene	EPA 8270SIM	144													
Benzo(a)pyrene	EPA 8270SIM	113													
Indeno(1,2,3-cd)pyrene	EPA 8270SIM	406													
Dibenz(a,h)anthracene	EPA 8270SIM	210													
Benzo(g,h,i)perylene	EPA 8270SIM														
Dibenzofuran	EPA 8270SIM														
PCBs (µg/kg)															
Aroclor 1254	EPA 8082	33													
Aroclor 1260	EPA 8082	33													
Total PCB	EPA 8082	33													
Inorganics (mg/kg)															
Aluminum	EPA 6010B			11400	17600	13300		16800	11200	15500	12600	11600	11000	13300	
Arsenic	EPA 6010B	7.3		6 U	7	8		7	6 U	7 U	5 U	6	6	6 U	
Barium	EPA 6010B	93300		37	64.5	68		55.2	34.8	51.6	49.3	46.7	45.9	46.8	
Beryllium	EPA 6010B	222		0.1 U	0.2	0.2		0.2	0.1 U	0.2	0.2	0.1	0.1	0.1	
Cadmium	EPA 6010B	1.21		0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 U	
Chromium	EPA 6010B			13.6	24	23.2		26.5	11.6	15.4	32	16.3	12.2	12.9	
Cobalt	EPA 6010B			4.5	7.5	6		9.6	4.2	5.4	6.7	4.8	4.8	4.1	
Copper	EPA 6010B	36.4		14	27.1	24.9		24.1	15.1	20.3	14.7	17.7	17	19.1	
Iron	EPA 6010B			13200	20000	15800		22200	12200	15000	16200	13200	13000	12400	
Lead	EPA 6010B	1000		2 U	3	11		4	2 U	3	9	9	8	12	
Magnesium	EPA 6010B			2260	6300	12600		7510	2170	2870	5830	2760	2470	2410	
Manganese	EPA 6010B	1146		152	283	260		348	120	126	269	165	168	125	
Mercury	EPA 7471A	0.07		0.05 U	0.05 U	0.05 U		0.05 U	0.04 U	0.06 U	0.05 U	0.04 U	0.04	0.06 U	
Molybdenum	EPA 6010B			0.6 U	0.5 U	0.8		0.5 U	0.6 U	0.7	0.5 U	0.6 U	0.6 U	0.6 U	
Nickel	EPA 6010B	47.8		8	24	20		33	8	11	35	13	9	8	
Silver	EPA 6010B	0.323		0.3 U	0.3	0.3 U		0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.4 U	
Thallium	EPA 7841	0.669		0.1 U	0.1 UJ	0.1 UJ		0.1	0.1 UJ	0.1 UJ	0.1 U	0.1 U	0.2	0.1	
Tin	EPA 6010B			1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vanadium	EPA 6010B	56100		46.6	52.1	47.3		54	42	51.2	38.6	43.3	44.2	47.5	
Zinc	EPA 6010B	101		23.3	38.9	70.1		41.9	28.4	32.7	40.6	40.7	37	25.8	
Total Solids (%)	EPA 160.3														
Cyanide	EPA 335.2	0.202													
Petroleum Hydrocarbons (mg/kg)															
TPH - Gasoline Range	NWTPH-Gx	30			9.9	6.5 U		19 J	7 U	8.4 U	6 U	6.9 U	7.1 U	3900 J	
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000			76	87	97	7.7 J	6.2 U	6.5 U	5.4 U	5.6 U	5.6 U	330	
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000			230 J	380 E	540	26 J	12 UJ	13 UJ	21 J	11 UJ	11 UJ	26 U	

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 5
Summary of Facility Information
Lower Duwamish Early Action Area 4

Facility name	Physical Address	Mailing Address	Phone Number	Facility Owner. (Address and phone number listed if different from physical address.)	Facility Operator. (Address and phone number listed if different from owner.)	Property Owner (Listed if different from facility owner/operator)	Regulatory Contact
Boeing Plant 2	7755 East Marginal Way South, Seattle, WA 98108	P.O. Box 3707 M/S 63-41, Seattle, WA 98108	(425) 865-5601	Boeing Commercial Airplane Group P.O. Box 9707 MS 5R-14, Seattle, WA 98124 and The Boeing Company Office of the General Council 100 N Riverside, Chicago, Il 60606	Integrated Defense and Space Division The Boeing Space Co. P.O. Box 3707 M/C 80-RX	The Boeing Company P.O. Box 3707, Seattle, WA 98124	Mr. William Ernst Company Energy & Enviro. Affairs The Boeing Company P.O. Box 3707 MC 1W-12 Seattle, WA 98124-2207 (425) 891-7724 Mr. Michael Verhaar (425) 237-9228 (Public contact)
Jorgensen Forge Corporation	8531 East Marginal Way South, Tukwila, WA 98108	Same as physical address	(206) 762-1100	Jorgensen Forge Corporation			Mr. Ron Altier (206) 676-9249
King Co. International Airport (Boeing Field)	7277 Perimeter Rd South, Seattle, WA 98108. (Note: also listed as 6505 Perimeter Road South, Seattle.)	P.O. Box 80245, Seattle, WA 98108	(206) 296-7380	Department of Construction and Facilities Management P.O. Box 80245 Seattle, WA 98108	Operations and Compliance (206) 296-7334 7299 Perimeter Rd S., Seattle, WA, 98108.	King County	Mr. Rick Renaud (206) 296-7427

Table 6

Regulatory Database Listings for Facilities in EAA-4

Lower Duwamish Waterway EAA-4 Summary of Information Data Gaps Report

Site of Concern	Address	Industrial Stormwater General Permit	UST list (#UST/Status)	LUST list (No. Reported Release/Status)	Hazardous Waste Facility (RCRA SITE ID)	CSCSL	NPDES and State Waste Discharge
Boeing Plant 2	7755 East Marginal Way South, Seattle	SO3000482D	Not Listed	Not Listed	WAD009256819	Site ID 2100	Not Listed
Jorgensen Forge	8531 East Marginal Way South, Tukwila	SO3003231C	3 removed	Soil & groundwater reported cleaned up	WAD000602813	Site ID 2382	Not Listed
King County International Airport	7277 Perimeter Road South, Seattle	SO3000343D	5 closed	2 Reported Cleaned Up	WAD980986848 (For Airport Maintenance: 6518 Ellis Ave South) Discharge Authorization #4109-01	Not Listed	Not Listed

Notes:
NPDES: National Pollutandt Discharge Elimination System
UST List: Ecology's Underground Storgae Tank List
LUST list: Ecology's Leaking Underground Storage Tank List
CSCSL: Ecology's Suspected and Confirmed Contaminated Sites List
RCRA: Resource Conservation and Recovery Act

Table 7

Toxics Release Inventory Summary

Lower Duwamish Waterway Early Action Area-4

Boeing Plant 2 TRI Data: Release Reports

Chemical	Date	Total On-site disposal or other releases	Total Off-site disposal or other releases	Total On- and Off- site disposal or other releases
Certain Glycol Ethers	2004	255	5	260
Diethanolamine		0	0	0
Naphalene		0	0	0
Certain Glycol Ethers	2003	255	0	255
Diethanolamine		0	0	0
Naphalene		0	0	0
Certain Glycol Ethers	2002	500	0	500
Diethanolamine		0	0	0
Methyl Ethyl Ketone		500	5	505
Naphalene		5	0	5
Certain Glycol Ethers	2001	500	0	500
Diethanolamine		5	0	5
Methyl Ethyl Ketone		500	5	505
Methyl Isobutyl Ketone		500	0	500
Naphalene		250	0	250
Certain Glycol Ethers	2000	255	5	260
Diethanolamine		0	0	0
Methyl Ethyl Ketone		1522	5	1527
Methyl Isobutyl Ketone		500	250	750
Naphalene		250	0	250
Certain Glycol Ethers	1999	500	0	500
Diethanolamine		0	0	0
Methyl Ethyl Ketone		1000	5	1005
Methyl Isobutyl Ketone		500	5	505
Naphalene		250	0	250
Certain Glycol Ethers	1998	10	10	20
Freon 113		250	0	250
Methyl Ethyl Ketone		1,850	255	2,105
Methyl Isobutyl Ketone		100	255	1,255
Naphalene		250	0	250
Certain Glycol Ethers	1997	255	0	255
Methyl Ethyl Ketone		4,850	.	4,850
Naphthalene		250	0	250
Toluene		755	0	755
Certain Glycol Ethers	1996	255	0	255
Methyl Ethyl Ketone		6,450	0	6,450
Naphthalene		250	0	250
Toluene		755	0	755
Chlorodifluoromethane	1995	9,200	0	9,200
Freon 113		3,700	0	3,700
Methyl Ethyl Ketone		4,350	5	4,355
Naphthalene		18	0	18
Toluene		1,850	0	1,850
Certain Glycol Ethers	1994	250	0	250
Chlorodifluoromethane		24000	0	24000
Freon 113		1300	0	1300
Methyl Ethyl Ketone		5700	250	5950
Naphthalene		250	0	250
Nitric Acid		0	250	250
Toluene		1205	250	1455
Trichloroethylene		9800	0	9800

Boeing Plant 2 TRI Data: Release Reports

Chemical	Date	Total On-site disposal or other releases	Total Off-site disposal or other releases	Total On- and Off- site disposal or other releases
Certain Glycol Ethers	1993	250	.	250
Dichloromethane		255	0	255
Freon 113		3600	0	3600
Methyl Ethyl Ketone		14935	250	15185
Naphthalene		250	.	250
Sulfuric Acid (1994 And After "acid aerosols" only)		250	250	500
Toluene		1000	5	1005
Trichloroethylene		36000	0	36000
Chromium Compounds (except chromite ore mined in the transvaal region)	1992	110	3390	3500
Freon 113		2100	0	21000
Methyl Ethyl Ketone		25800	890	26690
Naphthalene		440	0	440
Nitric Acid		1300	970	2270
Sulfuric Acid (1994 And After "acid aerosols" only)		700	1200	1900
Toluene		25150	2330	27480
Trichloroethylene		67000	0	67000
Xylenes (mixed isomers)		54090	250	54340
1,1,1-Trichloroethane	1991	10200	.	10200
Acetone		9800	.	9800
Chromium Compounds (except chromite ore mined in the transvaal region)		250	18800	19050
Freon 113		19200	.	19200
Hydrochloric Acid (1995 and after "acid aerosols" only)		250	.	250
Hydrogen Fluoride		250	.	250
Methyl Ethyl Ketone		95000	.	95000
Methyl Isobutyl Ketone		10250	.	10250
Nitric Acid		750	.	750
Sulfuric Acid (1994 And After "acid aerosols" only)		250	.	250
Toluene		56100	.	56100
Trichloroethylene		447000	.	447000
Xylenes (mixed isomers)		107000	.	107000
1,1,1-Trichloroethane	1990	3480	0	3480
Acetone		22500	0	22500
Chromium Compounds (except chromite ore mined in the transvaal region)		723	57660	58383
Ethylene Glycol		17400	12000	29400
Freon 113		37800	0	37800
Hydrochloric Acid (1995 and after "acid aerosols" only)		440	0	440
Hydrogen Fluoride		600	0	600
Methyl Ethyl Ketone		253000	0	253000
Naphthalene		470	0	470
Nitric Acid		9600	0	9600
Styrene		140	0	140
Sulfuric Acid (1994 And After "acid aerosols" only)		2600	.	2600
Tetrachloroethylene		12300	0	12300
Toluene		145000	.	145000
Trichloroethylene		440000	0	440000
Xylenes (mixed isomers)		147000	0	147000

Boeing Plant 2 TRI Data: Release Reports

Chemical	Date	Total On-site disposal or other releases	Total Off-site disposal or other releases	Total On- and Off- site disposal or other releases
1,1,1-Trichloroethane	1989	5700	0	5700
Acetone		3550	0	3550
Chromium Compounds (except chromite ore mined in the transvaal region)		460	28284	28744
Ethylene Glycol		250	10200	10450
Freon 113		31000	0	31000
Hydrochloric Acid (1995 and after "acid aerosols" only)		500	0	500
Hydrogen Fluoride		250	0	250
Methyl Ethyl Ketone		164,000	0	164,000
Methyl Isobutyl Ketone		28,000	0	28,000
Naphthalene		750	0	750
Nitric Acid		500	0	500
Sulfuric Acid (1994 And After "acid aerosols" only)		500	.	500
Toluene		84,000	0	84,000
Trichloroethylene		216,000	85,000	301,000
Xylenes (mixed isomers)		132,000	0	132,000
1,1,1-Trichloroethane	1988	43,250	0	43,250
Acetone		34,750	0	34,750
Chromium Compounds (except chromite ore mined in the transvaal region)		500	4,175	4,675
Hydrochloric Acid (1995 and after "acid aerosols" only)		500	.	500
Hydrogen Fluoride		250	31,000	31,250
M-Xylene		34,500	0	34,500
Methyl Ethyl Ketone		95,000	250	95,000
Methyl Isobutyl Ketone		13,750	0	14,000
Nitric Acid		500	0	500
O-Xylene		11,750	0	11,750
P-Xylene		14,000	0	14,000
Sodium Hydroxide (Solution)		250	0	250
Sulfuric Acid (1994 And After "acid aerosols" only)		500	0	500
Toluene		24,000	0	24,000
Trichloroethylene		682,000	750	682,750
Xylenes (mixed isomers)		119,750	750	120,500

Key:
Total Off-site disposal or other releases: a discharge of a toxic chemical to the environment that occurs as a result of a facility's transferring a waste containing a TRI chemical off-site disposal or other release, as reported in Section 6 of the TRI Form R.
Total On- and Off-Site Disposal and other releases: the sum of total on-site disposal or other release and total off-site disposal or
POTW = Publicly Owned Treatment works
"." means the facility left that particular cell blank in its Form R submission (a zero in a cell demotes either that the facility reported "0" or "NA" in its Form R submission
All measurements are in pounds

TRI Data: Waste Transfer Reports

Chemical	Date	Transfers to Recycling	Transferred to Energy Recovery	Transfers to treatment	Transfers to POTWs (Non Metals)	POWs (Metal and Metal Compounds)	Other Off-site Transfers	Transfers Off-Site for Disposal or Other Releases	Total Transfers Off-site for Further Waste Management
Certain Glycol Ethers	2004	0	10	15	0	.	0	5	30
Diethanolamine		0	10	10	0	.	0	0	20
Naphalene		0	0	0	0	.	0	0	0
Certain Glycol Ethers	2003	0	10	10	0	.	0	0	20
Diethanolamine		0	10	10	0	.	0	0	20
Naphalene		0	0	0	0	.	0	0	0
Certain Glycol Ethers	2002	0	10	10	0	.	0	0	20
Diethanolamine		0	10	255	0	.	0	0	265
Methyl Ethyl Ketone		0	260	10	0	.	0	5	275
Naphalene		0	0	5	0	.	0	0	5
Certain Glycol Ethers	2001	0	10	10	0	.	0	0	20
Diethanolamine		0	500	500	0	.	0	0	1000
Methyl Ethyl Ketone		0	10	15	0	.	0	5	30
Methyl Isobutyl Ketone		0	500	755	0	.	0	0	1255
Naphalene		0	1000	250	0	.	0	0	1250
Certain Glycol Ethers	2000	0	10	15	0	.	0	5	30
Diethanolamine		0	500	500	0	.	0	0	1000
Methyl Ethyl Ketone		0	10	20	0	.	0	5	35
Methyl Isobutyl Ketone		0	500	500	0	.	0	250	1250
Naphalene		0	0	0	0	.	0	0	0
Certain Glycol Ethers	1999	0	0	5	.	.	0	0	5
Diethanolamine		0	0	750	.	.	0	0	750
Methyl Ethyl Ketone		0	20	510	.	.	0	5	535
Methyl Isobutyl Ketone		0	15	505	.	.	0	5	525
Naphalene		0	0	0	0	.	0	0	0
Certain Glycol Ethers	1998	0	20	265	.	.	0	10	295
Freon 113		250	0	505	.	.	0	0	755
Methyl Ethyl Ketone		5	510	1005	0	.	.	255	1775
Methyl Isobutyl Ketone		0	265	755	.	.	0	255	1275
Naphalene		0	0	0	0	.	0	0	0
Certain Glycol Ethers	1997	0	250	10	.	.	0	0	260
Methyl Ethyl Ketone		250	500	505	0	.	.	.	1255
Naphthalene		0	0	0	.	.	0	0	0
Toluene		255	505	500	0	.	.	0	1260
Certain Glycol Ethers	1996	0	505	505	0	.	0	0	1010
Methyl Ethyl Ketone		250	755	250	0	.	.	0	1255
Naphthalene		5	250	0	0	.	0	0	255
Toluene		5	750	250	0	.	.	0	1005
Chlorodifluoromethane	1995	0	0	0	.	.	0	0	0
Freon 113		0	0	1500	0	.	0	0	1500
Methyl Ethyl Ketone		255	1005	1255	0	.	0	5	2520
Naphthalene		0	10	0	0	.	0	0	10
Toluene		250	760	510	0	.	0	0	1520
Certain Glycol Ethers	1994	5	10	10	0	.	0	0	25
Chlorodifluoromethane		0	0	0	0	.	0	0	0
Freon 113		500	0	510	0	.	0	0	1010
Methyl Ethyl Ketone		1600	2400	265	0	.	0	250	4515
Naphthalene		0	10	5	0	.	0	0	15
Nitric Acid		0	0	11305	0	.	0	250	11555
Toluene		500	750	515	0	.	0	250	2015
Trichloroethylene		22000	0	1000	0	.	0	0	23000

TRI Data: Waste Transfer Reports

Chemical	Date	Transfers to Recycling	Transferred to Energy Recovery	Transfers to treatment	Transfers to POTWs (Non Metals)	POWs (Metal and Metal Compounds)	Other Off-site Transfers	Transfers Off-Site for Disposal or Other Releases	Total Transfers Off-site for Further Waste Management
Certain Glycol Ethers		.	.	.	0	.	.	.	0
Dichloromethane		0	0	760	0	.	.	0	760
Freon 113		3200	0	1755	0	.	0	0	4955
Methyl Ethyl Ketone		500	750	500	0	.	.	250	2000
Naphthalene	1993	.	.	.	0	.	.	.	0
Sulfuric Acid (1994 And After "acid aerosols" only)		0	0	750	0	.	.	250	1000
Toluene		750	1000	750	0	.	.	5	2505
Trichloroethylene		5110	0	6000	0	.	.	0	11110
Chromium Compounds (except chromite ore mined in the transvaal region)		200	320	880	0	140	.	3250	4790
Freon 113		130	580	120	0	.	.	0	830
Methyl Ethyl Ketone		850	4510	2230	0	.	.	890	8480
Naphthalene	1992	6	0	0	0	.	.	0	6
Nitric Acid		0	0	41024	0	.	.	970	41994
Sulfuric Acid (1994 And After "acid aerosols" only)		0	0	3000	0	.	.	1200	4200
Toluene		410	6735	1493	0	.	.	2330	10968
Trichloroethylene		25180	23865	3830	0	.	.	0	52875
Xylenes (mixed isomers)		900	2020	1180	0	.	.	250	4350
1,1,1-Trichloroethane		250	.	3100	0	.	.	.	3350
Acetone		.	.	750	0	.	.	.	750
Chromium Compounds (except chromite ore mined in the transvaal region)		.		750	.	250	.	18500	19550
Freon 113		1200	.	750	0	.	.	.	1950
Hydrochloric Acid (1995 and after "acid aerosols" only)		.	.	1250	0	.	.	.	1250
Hydrogen Fluoride	1991	.	.	1250	0	.	.	.	1250
Methyl Ethyl Ketone		.	.	20000	0	.	.	.	20000
Methyl Isobutyl Ketone		.	.	250	0	.	.	.	250
Nitric Acid		.	.	18450	5	.	.	.	18455
Sulfuric Acid (1994 And After "acid aerosols" only)		.	.	6000	0	.	.	.	6000
Toluene		.	.	4800	0	.	.	.	4800
Trichloroethylene		7200	.	25000	0	.	.	.	32200
Xylenes (mixed isomers)		.	.	1900	0	.	.	.	1900
1,1,1-Trichloroethane		0	0	7600	0	.	.	0	7600
Acetone		0	0	1821	0	.	.	0	1821
Chromium Compounds (except chromite ore mined in the transvaal region)		.	.	.	.	660	.	57000	57660
Ethylene Glycol		0	0	0	0	.	.	12000	12000
Freon 113		0	0	2000	0	.	.	0	2000
Hydrochloric Acid (1995 and after "acid aerosols" only)		0	0	6510	150	.	.	0	6660
Hydrogen Fluoride	1990	0	0	6600	230	.	.	0	6830
Methyl Ethyl Ketone		0	0	3121	0	.	.	0	6121
Naphthalene		0	0	0	0	.	.	0	0
Nitric Acid		0	0	72000	4000	.	.	0	76000
Styrene			0	0	0	.	.	0	0
Sulfuric Acid (1994 And After "acid aerosols" only)		.	.	13800	1100	.	.	.	14900
Tetrachloroethylene		0	0	2145	0	.	.	0	2145
Toluene		.	.	2821	0	.	.	.	2821
Trichloroethylene		0	0	66000	0	.	.	0	66000
Xylenes (mixed isomers)		0	0	13000	0	.	.	0	13000

TRI Data: Waste Transfer Reports

Chemical	Date	Transfers to Recycling	Transferred to Energy Recovery	Transfers to treatment	Transfers to POTWs (Non Metals)	POWs (Metal and Metal Compounds)	Other Off-site Transfers	Transfers Off-Site for Disposal or Other Releases	Total Transfers Off-site for Further Waste Management
1,1,1-Trichloroethane		0	0	2500	0	.	.	0	2500
Acetone		0	0	23000	0	.	.	0	23000
Chromium Compounds (except chromite ore mined in the transvaal region)		.	.	.	.	660	.	27624	28284
Ethylene Glycol		0	0	0	0	.	.	10200	10200
Freon 113		0	0	1000	0	.	.	0	1000
Hydrochloric Acid (1995 and after "acid aerosols" only)		0	0	12130	150	.	.	0	12280
Hydrogen Fluoride	1989	0	0	1600	200	.	.	0	16200
Methyl Ethyl Ketone		0	0	35000	0	.	.	0	35000
Methyl Isobutyl Ketone		0	0	410	0	.	.	0	410
Naphthalene		0	0	0	0	.	.	0	0
Nitric Acid		0	0	46000	5500	.	.	0	465500
Sulfuric Acid (1994 And After "acid aerosols" only)		.	.	112850	1400	.	.	.	114250
Toluene		0	0	6200	0	.	.	0	6200
Trichloroethylene		0	0	0	0	.	.	85000	85000
Xylenes (mixed isomers)		0	0	9000	0	.	.	0	9000
1,1,1-Trichloroethane		0	0	750	0	.	.	0	750
Acetone		0	0	250	0	.	.	0	250
Chromium Compounds (except chromite ore mined in the transvaal region)		.	.	.	.	675	.	3500	4175
Hydrochloric Acid (1995 and after "acid aerosols" only)		.	.	19200	0	.	.	.	19200
Hydrogen Fluoride		0	0	0	0	.	.	31000	31000
M-Xylene		0	0	750	0	.	.	0	750
Methyl Ethyl Ketone	1988	100000	0	0	0	.	.	0	100000
Methyl Isobutyl Ketone		0	0	0	0	.	.	250	250
Nitric Acid		0	0	330000	0	.	.	0	330000
O-Xylene		0	0	250	0	.	.	0	250
P-Xylene		0	0	750	0	.	.	0	750
Sodium Hydroxide (Solution)		0	0	98000	250	.	.	0	98250
Sulfuric Acid (1994 And After "acid aerosols" only)		0	0	115000	0	.	.	0	115000
Toluene		0	0	3000	0	.	.	0	3000
Trichloroethylene		0	0	0	0	.	.	750	750
Xylenes (mixed isomers)		0	0	0	0	.	.	750	750

Key

Transfers to Recycling: the total among of toxic chemical in the waste stream transferred from the facility to an off-site location during the
Transferred to Energy Recovery: the total amount of the toxic chemical in the waste stream transferred from the facility to an off-site
Transfers to treatment: the total amount of toxic chemical in the waste stream transferred from the facility to an off-site location during the
Transfers to POWs: the total amount of the toxic chemical in the waste stream transferred from the facility to all POTWs during the
Other Off-Site Transfers: toxic chemicals in waste that were reported as transferred off-site for which the off-site activity was not specified
Transfers Off-Site for Disposal or Other Releases: sum of transfers to underground injection, RCRA Subtitle C landfills, other landfills,
Total Transfers Off-Site of Further Waste Management: the sum of transfers to recycling, transfers to energy recovery, transfers to
POTW = Publicly Owned Treatment works
"." means the facility left that particular cell blank in its Form R submission (a zero in a cell demotes either that the facility reported "0" or "NA" in its Form R submission

TRI Data: Waste Quantity Reports

Chemical	Date	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy-Recovery Off-site	Treated On-site	Treated Off-site	Total Other Off-Site Disposal or Other Releases	Total Production-related Waste Managed	Non-production related Waste Managed
Certain Glycol Ethers	2004	0	0	0	1	158	1	0	163	0
Diethanolamine		0	0	0	9	0	0	0	180	0
Naphalene		0	0	0	0	0	0	0	0	0
Certain Glycol Ethers	2003	0	0	0	6	96	0	0	108	0
Diethanolamine		0	0	0	16	0	0	0	31	0
Naphalene		0	0	0	0	0	0	0	0	0
Certain Glycol Ethers	2002	0	0	0	3	0	3	167	173	0
Diethanolamine		0	0	0	19	0	19	0	38	0
Methyl Ethyl Ketone		0	0	0	40	0	7	127	174	0
Naphalene		0	0	0	0	0	1	5	6	0
Certain Glycol Ethers	2001	0	0	0	6	0	5	80	91	0
Diethanolamine		0	0	0	44	0	44	2	90	0
Methyl Ethyl Ketone		0	0	0	20	0	13	433	466	0
Methyl Isobutyl Ketone		0	0	0	52	0	195	264	511	0
Naphalene		0	0	0	87	0	109	16	212	0
Certain Glycol Ethers	2000	0	0	0	6	0	11	26	43	0
Diethanolamine		0	0	0	38	0	38	0	76	0
Methyl Ethyl Ketone		0	0	0	21	0	24	1383	1428	0
Methyl Isobutyl Ketone		0	0	0	52	0	46	325	423	0
Naphalene		0	0	0	0	0	0	16	16	0
Certain Glycol Ethers	1999	0	0	0	0	0	5	49	54	0
Diethanolamine		0	0	0	0	0	71	0	71	0
Methyl Ethyl Ketone		0	0	0	11	0	36	860	907	0
Methyl Isobutyl Ketone		0	0	0	25	0	79	640	744	0
Naphalene		0	0	0	0	0	0	14	14	0
Certain Glycol Ethers	1998	0	0	0	10	0	65	10	85	0
Freon 113		0	120	0	0	0	260	350	730	0
Methyl Ethyl Ketone		0	2	0	91	0	220	1700	2013	0
Methyl Isobutyl Ketone		0	0	0	19	0	360	570	949	0
Naphalene		0	0	0	0	0	0	15	15	0
Certain Glycol Ethers	1997	0	0	0	12	0	13	22	47	0
Methyl Ethyl Ketone		0	37	0	930	0	110	4700	5777	0
Naphthalene		0	0	0	0	0	0	15	15	0
Toluene		0	29	0	370	0	29	1700	2128	0
Certain Glycol Ethers	1996	0	0	0	41	0	160	15	216	0
Methyl Ethyl Ketone		0	47	0	620	0	30	6400	7097	0
Naphthalene		0	5	0	38	0	0	15	58	0
Toluene		0	9	0	570	0	12	740	1331	0
Chlorodifluoromethane	1995	0	0	0	0	0	0	9200	9200	8600
Freon 113		0	0	0	0	0	310	3700	4010	0
Methyl Ethyl Ketone		0	330	0	460	0	710	4300	5800	0
Naphthalene		0	0	0	3	0	0	18	21	0
Toluene		0	57	0	160	0	110	1700	2027	0
Certain Glycol Ethers	1994	0	2	0	8	0	2	43	55	0
Chlorodifluoromethane		0	0	0	0	0	0	24000	24000	0
Freon 113		0	63	0	0	0	90	1300	1453	0
Methyl Ethyl Ketone		0	1500	0	2100	0	310	5700	9610	0
Naphthalene		0	0	0	5	0	20	18	25	0
Nitric Acid		0	0	0	0	0	11000	21	11021	0
Toluene		0	610	0	360	0	72	1300	2342	0
Trichloroethylene		0	22000	0	0	0	500	9800	32300	0

TRI Data: Waste Quantity Reports

Chemical	Date	Recycled On-site	Recycled Off-site	Energy Recovery On-site	Energy-Recovery Off-site	Treated On-site	Treated Off-site	Total Other Off-Site Disposal or Other Releases	Total Production-related Waste Managed	Non-production related Waste Managed
Certain Glycol Ethers	1993	0	0	0	0	0	0	70	70	0
Dichloromethane		0	0	0	0	0	80	130	210	0
Freon 113		0	3000	0	0	0	1200	3600	7800	0
Methyl Ethyl Ketone		0	450	0	280	0	750	15000	16480	0
Naphthalene		0	0	0	0	0	0	400	400	0
Sulfuric Acid (1994 And After "acid aerosols" only)		0	0	0	0	1200	630	290	2120	0
Toluene		0	650	0	270	0	630	1100	2650	0
Trichloroethylene		0	5300	0	0	0	6000	36000	47300	0
Chromium Compounds (except chromite ore mined in the transvaal region)	1992	0	200	0	350	0	2700	1800	5050	0
Freon 113		0	130	0	570	0	130	21000	21830	0
Methyl Ethyl Ketone		5600	850	0	4500	0	2300	27000	40250	0
Naphthalene		0	6	0	0	0	0	440	446	0
Nitric Acid		0	0	0	0	20000	41000	2200	63200	0
Sulfuric Acid (1994 And After "acid aerosols" only)		0	0	0	0	30000	3000	1900	34900	0
Toluene		0	400	0	7000	0	1500	27000	35900	0
Trichloroethylene		0	25000	0	24000	0	3800	67000	119800	0
Xylenes (mixed isomers)		0	910	0	2000	0	1200	54000	58110	0
1,1,1-Trichloroethane	1991	0	350	0	0	0	2700	10000	13050	410
Acetone		0	0	0	0	0	900	9800	10700	61
Chromium Compounds (except chromite ore mined in the transvaal region)		0	0	0	0	0	20000	40	20040	.
Freon 113		0	1200	0	0	0	570	19000	20770	0
Hydrochloric Acid (1995 and after "acid aerosols" only)		0	0	0	0	12000	800	33	12833	0
Hydrogen Fluoride		0	0	0	0	11000	600	29	11629	62
Methyl Ethyl Ketone		15000	0	0	0	0	19000	94000	128000	213
Methyl Isobutyl Ketone		0	0	0	0	0	12	10000	10012	0
Nitric Acid		0	0	0	0	310000	18000	810	328810	490
Sulfuric Acid (1994 And After "acid aerosols" only)		0	0	0	0	98000	5900	260	104160	0
Toluene		0	0	0	0	0	4500	56000	60500	250
Trichloroethylene		0	7200	0	0	0	24000	440000	471200	910
Xylenes (mixed isomers)		0	0	0	0	0	1900	108000	109900	0

Key

Recycled On-site: the amount of the toxic chemical recycled on-site during the calendar year for which the report was submitted. Data from
Recycled Off-site: the total amount of the toxic chemical sent off-site for recycling during the calendar year for which the report was submitted.
Energy Recovery On-site: the total amount of the toxic chemical in waste burned for energy recovery on-site during the calendar year for which
Energy Recovery Off-site: the total amount of the toxic chemical in waste sent off-site to be burned for energy recovery during the calendar year
Treated On-site: the total amount of the toxic chemical treated on-site during the calendar year for which the report was submitted. Data from
Treated Off-site: the total amount of the toxic chemical sent for treatment off-site during the calendar year for which the report was submitted.
Total On-Site Disposal to Class I UI Wells...: the total amount of the toxic chemical treated on-site during the calendar year for which the report
Total Other On-Site Disposal or other Releases: the total amount of the toxic chemical disposed of or released to production related events by
Treated Off-site Disposal to Class I Underground Injection Wells...: the total amount of the toxic chemical transferred for disposal or release
Other Off-Site Disposal or Other Releases: the total amount of the toxic chemical transferred for disposal or release dur to production related
Total Production-related Waste Managed: the sum of recycled on-site, recycled off-site, energy recovery on-site, energy recovery off-site,
Non-production related Waste Managed: the total amount of the toxic chemical released directly to the environment or sent off-site for

NOTE:

All measurements are in pounds

Table 8

Boeing Plant 2 Facility
South Yard Area
Summary of RCRA Units

RCRA Unit	Unit Description	Years of Use	Function	Soil Samples	Groundwater Samples	Analytes
SWMU 2-104.71	Central Waste Storage Area	1981 to 1993	TSD unit	above ground closure only, no soil samples collected	above ground closure only, no soil samples collected	Not Applicable
SWMU 2-91.70	Deactivated Waste Oil and Coolant Storage	1950s Hazardous WMU; 1993 sump decommissioned and removed	Temporary storage for waste oil and coolant	1989 to 1995: 40 locations sampled to 15 ft bgs	1989 to 1995: 7 monitoring wells	VOCs, SVOCs, PCBs, TPHs, Metals
SWMU 78.B	Oil/Water Separator at Building 2-87	1940s to 1992, IM conducted in 1999	Oil removal from stormwater runoff	IM conducted in 1999, TPH and PCBs detected but below MTCA and TSCA standards	None	Not Applicable
AOC 2-84.62	Machine Pit	1940s to 1990s, IM completed in 2000	Collect coolant, lubricating, and hydraulic oils	8 samples	None	Metals and PCBs
OA-3	Former UST PL-23	1951 to 1992 (removed), IM conducted in 1998	1000 gallon gasoline storage	Soil samples collected during RFI and three samples collected during IM	None	TPH and BTEX
SWMU 79.A	Cisterns 1, 2, 3	1950 to 1955, 1986: decommissioned	Dispose of process wastes	1987 to 1998: numerous soil samples	1988 to 1995: 6 monitoring wells	VOCs, SVOCs, PCBs, TPHs, Metals
SWMU 79.B	Cistern 4	1950 to 1955, 1986: decommissioned	Dispose of process wastes	1987 to 1998: Numerous soil samples	1988 to 1996: 13 monitoring wells	VOCs, SVOCs, PCBs, TPHs, Metals
SWMU 79.C	Cistern 5	1950 to 1955	Dry well	1985: 1 boring 1994: 1 boring	1988 & 1992: 1 well	VOCs, SVOCs, Metals
SWMU 2-87.65	Machine Pit	Removed in 1999	Collect coolant, lubricating, and hydraulic oils	1992 & 1995: Samples from several borings	1992: 3 wells & 1 Geoprobe	VOCs, SVOCs, PCBs, Petroleum Hydrocabrons, Metals
OA 16	Central Waste Storage Area (includes SWMU 2-104.71)	Unknown	Store materials from reclamation yard	1994: 4 borings 1999: 5 grab samples	None	VOCs, SVOCs, PCBs, Petroleum Hydrocabrons, Metals
SWMU 2-78.1	Oil/Water Separator	1940s to current	Oil removal from stormwater runoff	1994: 3 samples from 1 boring	None	TPHs
SWMU 78.5	Oil/Water Separator	1940s to current	Oil removal from stormwater runoff	Several samples from seven borings from 1.8 to 11 ft bgs	None	VOCs, SVOCs, PCBs, Metals
SWMU 2-80.56	Sink Sump	mid-1970s to 1993	Plaster objects and solvents	1994: 1 boring 3.5 to 11.5 ft bgs 1998: 3 borings	1994: 1 geoprobe 1995: 1 geoprobe	VOCs, Metals
SWMU 2-80.57	Generator Sump	Decommissioned 1993	Collected coolant that dripped from generators	1995: 2 soil borings 0.5 to 6.0 ft bgs	1992 to 1995: 5 samples from two downgradient wells	VOCs, PCBs, TPHs, Metals
SWMU 2-89.68	Reclamation Yard	1942 to 1996	Store metal shavings, film, bulk metal, empty drums, paints	1991 to 1994: 39 soil borings (or samples?) and test pits from 0.5 to 90 ft bgs	1988 to 1996: Samples from 14 monitoring wells and 18 geoprobe locations in South Yard and on Jorgensen Forge property	VOCs, SVOCs, TPHs (soil only), Metals
AOC 2-80.58	Deactivated Sump and Quench Tank 2nd Containment	1960s to 1980s	Tanks held metal parts, soil and water during quench process	1994: 2 soil borings 1.5 to 12 ft bgs	None	PCBs, TPHs, Metals
AOC 2-86.63	Wet Paint Booth	Built date unknown; tank removed and converted to dry system in 1992	Tank contained paint waste and process chemicals of paint, lacquers, solvents, and isocyanate	1993 to 1994: 2 soil borings 1.5 to 11 ft bgs	1992 to 1994: 2 monitoring wells upgradient and downgradient of unit	VOCs, SVOCs, TPHss, Metals
OA 10	Former UST PL-20	1957 to 1986	Kerosene UST	7 Soil borings sampled from 5 to 17.5 ft bgs	4 Geoprobes	TPHs-gasoline & diesel

Notes:

ft bgs	feet below ground surface
PCBs	Polychlorinated biphenyls
SVOCs	Semivolatile organic compounds
TPHs	Total petroleum hydrocarbons
UST	Underground storage tank
VOCs	Volatile organic comounds

Source: Environmental Partners, Inc.; Floyd/Snider; Golder Associates, Inc. 2005.

Table 9

Boeing Plant 2 Facility
2-60s Area
Summary of RCRA Units

RCRA Unit	Unit Description	Years of Use	Function	Soil Samples	Groundwater Samples	Analyte Groups
SWMU 77.B	PCB Retention Tank (UST)	1980 - 1986	Secondary containmnet for leaks and storm water runoff	1994: 3 samples from one boring, from 1.5 to 11 feet bgs	None	PCBs, TPH
AOC 2-62.46	Sump on south side of 2-62	Unknown	Unknown	Composite samples from three test trenches, and a grab and composite sample from area surrounding old pipe	None	VOCs, SVOCs, PCBs, PAHs, metals, & TPH
SWMU 78.C	Oil/Water Separator	1940s - 2002	Collect stormwater runoff and remove any mixed residual oils and other petroleum hydrocarbons	Samples from one boring from 5 to 12 feet bgs	None	VOCs, SVOCs, PCBs, metals, & TPH
OA 9 (SWMU 2-78.6)	Former USTs PL-16,-17, and -18	1950 - 1986	Gasoline USTs	1993-1995: samples from ten borings from 1.5 to 16.5 feet bgs	1993-1996: samples from four wells & three Geoprobes	VOCs, SVOCs, PCBs, TPH, and metals.
OA 12	Southern portion of Bld 2-63 and area between buildings 2-63 and 2-65	N/A	Unknown	1993 & 1994: samples from seven borings	1993-1995: samples from two wells 1994: sample from three Geoprobes	VOCs, TPH, As, cyanide and Cu
AOC 2-62.45	Paint Booth and sump	1945 - current	Used to paint a variety of airplane parts.	1993 & 1995: samples from five borings from 1 to 15 feet bgs	1993-1995: samples from ten monitoring points	VOCs, SVOCs, PCBs, TPH, and metals
SWMU 2-63.47	Dilute chrome tank	Unknown-1990s	Hold wastewater produced in model-making processes	Samples from one boring at 2, 8 and 11 feet bgs	None	Metals
SWMU 2-64.48	Underground Waste Tank	1970 - tank removal date unknown	Initially an oil/water separator, then held oily condensate water	1993 &1994: samples from three borings from 1.5 to 12.5 feet bgs	None	VOCs, SVOCs, PCBs, TPH, and metals
SWMU 2-64.49	Air compressor, sump and accumulation area	1954 - system partially inactive at present	Trenches and sump collect air compressor condensate	1993 &1994:twelve samples from four borings from 1.5 to 12.5 feet bgs	1994: samples from three Geoprobe locations from 12 to 13 feet bgs	VOCs, SVOCs, PCBs, TPH, and metals
SWMU 2-65.50	Machine Pit	Prior to 1993 - 2002	Hold coolants, lubricating oils, and hydraulic oils that drip from an adjacent parts grinding machine.	1993: samples from two borings from 1.5 to 12.5 feet bgs	None	PCBs, TPH & metals
SWMU 2-62.43	Tank Line	1980s-decommission date unknown	Pre-treating metal parts prior to painting	Three samples from one boring from 1.5 to 10 feet bgs	None	Metals, including hexavalent chromium and cyanide
SWMU 2-70.55	Steam clean area and steel tank	1981(?) - 1998	Collect steam cleaning wastewater	1993 and 1994: two samples in vicinity 1998: four locations within excavation site	Groundwater analyzed as part of site-wide RFI Work Plan	VOCs, BNAs, PCBs, TPH and metals
SWMU 77.A	PCB Retention Tank (UST)	1980 - 1986	Secondary containment for transformers and stormwater runoff	1999-samples from one boring	None	VOCs, PCBs, and TPH

Notes:

ft bgs	feet below ground surface
PCBs	Polychlorinated biphenyls
SVOCs	Semivolatile organic compounds
TPHs	Total petroleum hydrocarbons
UST	Underground storage tank
VOCs	Volatile organic comounds

Source: Environmental Partners, Inc.; Floyd/Snider; Golder Associates, Inc. 2005.

Table 10

Boeing Plant 2 Facility
2-66 Area
Summary of RCRA Units

RCRA Unit	Unit Description	Years of Use	Function	Soil Samples	Groundwater Samples	Analytes
AOC 2-108.73	Paint booth sump	1956 - 1993	Contained overflow from the wet paint booth (AOC 2-108.72)	2 soil borings	None	VOCs and Metals
AOC 2-108.72	Two wet paint booths	1956 - 1993	Booths used to collect overspray from paint spraying.	1994: 3 samples from SB-10801 and 10802.	None	VOCs, SVOCs, TPH and Inorganics
OA 17.13	One below-grade transformer vaults and a blind sump	1940s - 2002	Contained transformers and a sump to remove groundwater	One boring, two samples collected	2 samples collected from locations near unit	PCBs and TPH
OA 1	Building 2-66 Southwest	N/A	Area includes a sheet pile enclosure, and a former 15,000 gallon diesel UST	1988 and 1990 - 1994: 84 historical and RFI soil borings in OA 1 and OA 2. 21 additional borings completed during SW Bank Corrective Measures Evaluation	1991 - 1996: samples from vicinity of OA-1 and OA-2	VOCs, SVOCs, PCBs, TPH and Inorganics
OA 2	Building 2-66 Soil	N/A	Originally defined as fill material containing inorganics mixed with ash, metal and wood debris	1988 and 1990 - 1994: 84 historical and RFI soil borings in OA 1 and OA 2. 21 additional borings completed during SW Bank Corrective Measures Evaluation	1991 - 1996: samples from vicinity of OA-1 and OA-2	VOCs, SVOCs, PCBs, TPH and Inorganics
AOC 2-66.52	Machine Pit	1990 - 1992	Secondary containment of coolant and oil associated with adjacent machine	Samples from four borings	None	VOCs, SVOCs, PCBs, Metals, and TPH
AOC 2-66.53	TCE Degreaser	1945 - 1993	Remove oil from metal parts	1992, 1993, 1994, & 1995: samples from six borings from 1 to 12 feet bgs	1991-1996: samples from 11 wells and 12 Geoprobe locations	VOCs, PCBs, TPH, and Metals
OA 14	Building 2-49 Machine Pits	1940s - 1991	Contained a large hydraulic press that was used to manufacture aircraft parts	1993: samples from seven borings 1994 & 1995: six borings	None	VOCs, SVOCs, PCBs, TPH, and Metals
OA 11	Building 2-72 Area	N/A	Area included an electrical transformer station	1988, 1991, 1994, 1995 & 2003: samples from 73 borings. 19 additional borings completed during Phase II Transformer PCB Investigation.	1991, 1992, 1994, 1995, 1996 & 2003: samples from 14 wells & four Geoprobe locations. 2 replacement wells added during Phase II Transformer PCB Investigation.	VOCs, SVOCs, PCBs, TPH, and Metals
OA 19	Outfall #12 and Building 2-49 Stretch Press Pit	1970 - 1991	Contained press machine used to form aircraft parts	1993, 1995: samples from 4 borings	1994 - 1996: samples from two well locations	VOCs, SVOCs, PCBs, TPH and Inorganics

Notes:

ft bgs	feet below ground surface
PCBs	Polychlorinated biphenyls
SVOCs	Semivolatile organic compounds
TPHs	Total petroleum hydrocarbons
UST	Underground storage tank
VOCs	Volatile organic compounds

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 11

Boeing Plant 2 Facility
2-40s Area
Summary of RCRA Units

RCRA Unit	Unit Description	Years of Use	Function	Soil Samples	Groundwater Samples	Analytes
OA 17	Seven below-grade transformer vaults and a blind sump	1940s - 2002	Contained transformers and a sump to remove groundwater	Seven borings, two samples collected from each	Nine samples collected from locations near unit	PCBs and TPH
SWMU 2-41.30	Manhole Vault	N/A	Sub-grade vault of undetermined purpose	1995: Two samples from locations near unit in 1995	Three samples collected from locations near unit	VOCs, SVOCs, PCBs, TPH and Metals
SWMU 2-41.34	Tunnel Area	N/A	Soil beneath the floor of a tunnel in Building 2-41 in which a section of the Underflow Flume (SWMU 2-41.36) is located	1994: Samples from two borings advanced through the floor of the tunnel	None	VOCs, BNAs, and Metals
SWMU 2-41.33	Deactivated Anodic Tank Line	1941 - 1993	Series of tanks used for plating, pickling, and anodizing	1993 - 1997: Samples from 17 borings prior to IM; four confirmatory samples collected following IM in 1997 2003: Samples from four borings	1993 - 1996: Samples collected from three monitoring wells and five downgradient Geoprobe locations 2003: Samples collected from four borings	VOCs, SVOCs, BNAs, TPHs, and Metals
SWMU 2-41.36	Underflow Flume	1941 - 1987	Convey rinse waters and exhaust from the anodic tank line	1994: Samples from three borings prior to 1997 IM	None	VOCs, BNAs, and Metals
OA 13	Building 2-44 Steam Drain	N/A	Reportedly collected steam condensate; exact use and process history are unknown	Samples from five borings	1993 & 1994: Downgradient well location sampled twice	VOCs, BNAs, TPHs, PCBs, and Metals
OA 18	Building 2-40 East Parking Lot Area	N/A	Used in the 1940's as an airplane tow path between Plant 2 and King County International Airport	1994 - 2003: Samples from 28 borings	1994 - 1996: Samples from four monitoring wells and nine Geoprobe locations	VOCs, BNAs, PCBs, TPHs, and Metals
OA 7	Building 2-40 Soil	N/A	No known process associated with unit	1993 & 1994: Samples from five borings	1994: Samples from two Geoprobe locations	VOCs, BNAs, PCBs, TPHs, and Metals
AOC 2-41.32	Deactivated Paint Booths and Sump	1956 - 1990's	Used to collect and contain paint overspray	Samples from three borings	Sample from one borehole	VOCs and Metals
SWMU 2-41.31	Machine Pits	N/A	Secondary containment of coolant and oil associated with adjacent machine(s)	1994 - 1995: Samples from nine borings during RFI Samples from 15 additional locations following RFI	1994 - 1996: Samples from two monitoring wells and 20 Geoprobe locations during RFI Samples from 15 additional locations following RFI	VOCs, SVOCs, PCBs, and TPHs
SWMU 2-41.35	Quench Tanks	1940 - 1992	Series of three tanks used for cooling heated metal parts	1995: Samples from five borings	1995: Sample from one Geoprobe location	Metals
AOC 2-41.29	TCE Degreaser	1941 - 1993	Remove oil from metal parts	1993: Samples from one boring	1993: Sample from one monitoring well (completed soil boring)	VOCs, TPHs, and Metals

Notes:

ft bgs	feet below ground surface
BNAs	Base Neutral Acids
IM	Interim Measures
PCBs	Polychlorinated biphenyls
SVOCs	Semivolatile organic compounds
TPHs	Total petroleum hydrocarbons
VOCs	Volatile organic compounds

Source: Environmental Partners, Inc.; Golder Associates, Inc. 2006.

Table 12

Summary of Potential Pollutant Sources Identified in the Boeing Plant 2 2007 SWPPP

Lower Duwamish Waterway EAA-4 Summary of Information Data Gaps Report

OUSIDE MATERIAL STORE IN TANKS			
ID No.and or Description	**Location (nearest building)**	**Capacity (gallons)**	**Contents**
APL-001	2-13	600,000	Jet A Fuel (To be reactivated February 2007)
APL-002	2-13	500,000	Inactive
APL-016	2-123	2,000	Diesel
APL-0636	2-15	500	Diesel
UPL-007	2-16	30000	Jet A Fuel
UPL-008	2-17	30000	Jet A Fuel
UPL-063	2-05	15000	Unleaded Gas
UPL-064	2-05	15000	Diesel
UPL-065	2-36	1000	Diesel
APL-043 Geneartor Day Tank	2-31	50	Diesel
APL-026 Geneartor Day Tank	2-81	70	Diesel
APL-030 Geneartor Day Tank	2-88	70	Diesel
APL-016 Geneartor Day Tank	2-123	50	Diesel
OUSIDE WASTE STORED IN TANKS			
ID No.and or Description	**Location (nearest building)**	**Capacity (gallons)**	**Contents**
APL-220	2-83	5000	Wind Tunnel Wash Water
APL-162	2-15	2500	Steam Clean Wash Water
APL-517	2-15	1000	Used Motor Oil
APL-658	2-13	360	Oily Water
UPL-783	2-123	7000	Water and Hydraulic Oil (secondary containment)
UPL-784	2-122	12000	Water and Hydraulic Oil (secondary containment)
APL-211	2-123	10000	Waste Water
APL-212	2-124	10000	Waste Water
APL-213	2-125	1000	Waste Water
OUTSIDE MATERIALS STORED IN CONTAINERS			
ID No.and or Description	**Location (nearest building)**	**Capacity (gallons)**	**Contents**

Material Storage Shed SARA No. 78	2-15	15 containers ranging from 5 - 55 gallons	various chemicals, such as anti-freeze and gear grease
Material Storage Shed SARA No. 78	2-80\2-81	5 - 5 gallon containers	various chemicals, such as lacquer thinner and wood finisher
Vault 37	2-15	2716	mineral oil
Vault 20	2-36	1730	mineral oil
Vault 9	2-59	1250	mineral oil
Vault 19	2-80	1094	mineral oil
Vault 10	2-84	8856	mineral oil
Vault I (28)	2-117	9076	mineral oil
Seattle City Light	1-123	1309	mineral oil

OUTSIDE WASTE STORED IN CONTAINERS

ID No.and or Description	Location (nearest building)	Capacity (gallons)	Contents
Satellite Accumulation Area	2-80\2-81	NA	rages contaminated with oil, coolants, and fuels

LOADING AND OR UNLOADING AREAS

Location	Description of Acvitivy
2-05 (UPL-063/064)	Dispencing of Bulk Vehicle Fuel
2-13 (APL-001)	Receiving of Bulk Jet Fuel
2-15 (UPL-007/008)	Receiving of Bulk Jet Fuel
2-31	Receiving of Hazardous Materials
2-122	Receiving of Hazardous Materials
2-122	Wastewater Handling (Transfer/Shipment)
2-122	Receiving of Hazardous Materials
1-210	Shipping of Containerized Dangerous Waste

REGULATED PARTICULATE GENERATING SOURCES

Activity	Location	Control Device
MR&D Machine Shop	2-10	Cyclone/Baghouse
Boilers No. 1 and No. 2	2-15, South	Boiler Efficiency Considered Adequate
Boilers No. 3 and No. 4	2-15, South	Boiler Efficiency Considered Adequate
Spray Coating Booth	2-122, Column Q5	Dry Filter
Woodworking System	2-88	Cyclone/Baghouse
Spray Coating Booth	2-88	Dry Filter

Table 13

Summary of Stormwater Outfalls to EAA-4, Boeing Plant 2

Lower Duwamish Waterway - EAA-4

Outfall Letter	Former Outfall Identifier	Latitude (Degrees, Minutes, Seconds)	Longitude (Degrees, Minutes, Seconds)	Outfall Diameter (Inches)	Outfall Elevation	Receives Drainage Primarily From	Drainage Basin # (see Figures 23 and 24)	Drainage Basin Area (Acres)
A	36	47, 32, 4	122, 19, 14	Twin 30	N/A	Parking and roof around 2-122 building	2	19.9
B	35	47, 31, 58	122, 19, 5	18	N/A	Pavement around 2-10 building and minor pavement area	3	5.7
C	34	47, 31, 56	122, 19, 2	8	6.69	Roof area from 2-10 building	6	0.7
D	32A	47, 31, 55	122, 19, 0	10	6.69	Roof area from 2-10 building	7	1.1
E	30	47, 31, 54	122, 18, 29	6	7.4	Roof area from 2-10 building	8	0.9
F	29	47, 31, 53	122, 18, 27	8	7.03	Roof area from 2-10 building	9	0.9
G	28B	47, 31, 53	122, 18, 26	10	6.97	Roof area from 2-10 building	10	1.1
H	28A	47, 31, 52	122, 18, 25	6	N/A	Roof area from 2-10 building and minor pavement area	11	0.3
I	28	47, 31, 50	122, 18, 53	24	2.98	Vehicle maintenance area and fueling island and parking lot of former BOC gases property	4, 5, 12, 14	13.1
J	27	47, 31, 48	122, 18, 20	12	N/A	16th Ave South (public) and pavement around 2-22 and 2-25 buildings	13, 16B, 16C, 17-20	4.9
K	26A	47, 31, 48	122, 18, 50	4	N/A	Small paved area under bridge	16A	0.4
L		47, 31, 47	122, 18, 49	12	1.59	Roof and small parking area from 2-40's complex	25	5.8
M	26 and 23	47, 31, 46	122, 18, 47	6	4.91	Roof and small parking area from 2-40's complex	26A	1.1
N	17B	47, 31, 46	122, 18, 47	10	4.91	Roof and small parking area from 2-40's complex	26B	3.1
O		47, 31, 45	122, 18, 45	10	5.6	Roof and small parking area from 2-40's complex	27	2.6
P		47, 31, 44	122, 18, 43	6	3.48	Roof and small parking area from 2-40's complex	28	3.4
Q	16	47, 31, 44	122, 18, 42	10	5.55	Roof and small parking area from 2-40's complex	29	3.5
R	15	47, 31, 44	122, 18, 42	6	3.03	Roof and small parking area from 2-40's complex	30	0.2
S		47, 31, 43	122, 18, 41	6	4.73	Roof and small parking area from 2-40's complex	31A	0.2
T	14A	47, 31, 43	122, 18, 41	6	N/A	Roof and small parking area from 2-40's complex	31B	0.2
U	14	47, 31, 42	122, 18, 40	6	?	Roof and small parking area from 2-40's complex	31C	0.2
V	13	47, 31, 41	122, 18, 38	10	5.58	Roof and small parking area from 2-40's complex and limited pavement from transportation corridor	32	6.3
W	12	47, 31, 40	122, 18, 37	8	5.22	Roof area from 2-49 building	33	0.6
~~X~~	~~11~~	-	-	~~15~~	~~N/A~~	~~Rerouted to Line Z~~	-	-
~~Y~~	~~10~~	-	-	~~18~~	~~1.5~~	~~Rerouted to Line Z~~	-	-
Z	9A	47, 31, 38	122, 18, 34	36	1.43	Pavement and roof areas in South Yard, section of E. Marginal Way S., parking areas along E. Marginal Way, drainage from 2-60s roadways, and rerouted X and Y basin stormwater.	34, 35, 36, 37, 39	47.9

Source: Boeing 2007a, Boeing 2007b and Golder 2006a

Table 14
Potential Data Gaps for the EAA-4
Lower Duwamish Waterway – EAA-4 Summary of Information Data Gap Report

Site of Concern	Potential Data Gap	Rationale	Group to Generate Anticipate Data	Anticipate Data Will be Generated In
Boeing Plant 2	Acceptance by EPA of the Final Data Gap Investigation Report for the South Yard and 2-60s Area.	Need to obtain the final approved document to insure that all information is approved by the EPA. Following the Data Gap Reports, a report on remedy selections will be completed.	Potentially Responsible Party (PRP)/EPA	In the next few months (EPA has already reviewed and commented on draft reports. The PRP and EPA are in discussions regarding the final report.)
Boeing Plant 2	Completion of data gap investigation reports (and work plans if not completed) for the 2-66, 2-40, North Area, 2-31, and 2-10 Areas	Needed to obtain the data gap investigation reports (and work plans) to obtain the current levels and locations of possible contaminants at these mentioned CMS study areas and to determine if data gaps concerning the delineation of contaminant plumes are present.	PRP/EPA	To be determined
Boeing Plant 2	Completion of the Final DSOA/South Bank design	Cleanup actions (sediment removal and capping) are taking place in the Duwamish Waterway adjacent to the Boeing Plant 2 facility. The final plans are not completed.	PRP/EPA/Ecology	To be determined
Boeing Plant 2	Develop AutoCAD layers showing site features such as buildings, etc. to overlay onto the stormwater drainage system.	This would make it easier to determine which features are located in each drainage basin, each of which drains to the LDW through a particular outfall.	PRP/Ecology	To be determined

Site of Concern	Potential Data Gap	Rationale	Group to Generate Anticipate Data	Anticipate Data Will be Generated In
Boeing Plant 2	More information concerning the City of Tukwila's public roadway drainage from East Marginal Way South through Boeing Plant 2's Outfall Z, and the City of Seattle's public roadway drainage from the 16th Ave South Bridge through Boeing Plant 2's Outfall J.	This information is needed to determine the potential migration pathway of contaminants to the LDW from the City of Tukwila's public roadway drainage from East Marginal Way South through Boeing Plant 2's Outfall Z, and the City of Seattle's public roadway drainage from the 16th Ave South Bridge through Boeing Plant 2's Outfall J.	PRP/SPU/City of Tukwila/City of Seattle/Ecology	To be determined
Boeing Plant 2	One city storm drain outfall is shown as discharging to the LDW within EAA-4 in Figure 14. More information is needed concerning this outfall and whether or not it might be Boeing Plant 2's Outfall J.	This information is needed to determine the potential migration pathway of contaminants to the LDW from the city storm drain outfall shown in Figure 15.	SPU/Ecology	To be determined
Boeing Plant 2	Stormwater flow direction arrows in basins 36 and 37 of Figure 14.	The AutoCAD file received from Boeing shows stormwater flow direction arrows in all drainage basins other than 36 and 37. These stormwater flow direction arrows need to evaluate stormwater contribution to the LDW from these drainage basins.	PRP	To be determined
Jorgensen Forge/ Boeing Plant 2	Determination of the groundwater flow across the property boundary (joint hydrologic investigation).	The groundwater flow across the property boundary is needed to determine the hydrologic conditions across the sites of concern.	PRPs/Ecology	To be determined
Jorgensen Forge/ Boeing Plant 2	No AutoCAD file of 12", 24" and 15" diameter stormwater lines shown in Figure 20.	An AutoCAD file is needed so that it can be added to Figure 14 for reference.	PRP	To be determined

Site of Concern	Potential Data Gap	Rationale	Group to Generate Anticipate Data	Anticipate Data Will be Generated In
Jorgensen Forge	Ownership of the 12- and 24-inch diameter stormwater lines, located in the easement on the northern portion of the Jorgensen site, needs to be established.	These stormwater lines convey stormwater runoff from Plant 2 and KCIA. Ownership of these stormwater lines needs to be established in order to determine the potential migration pathway of contaminants to the LDW from these sources.	PRPs/Ecology	To be determined
Jorgensen Forge	Stormwater from onsite scale sumps is periodically discharged through outfalls 001, 002, 003, and 004. The quality of the water discharged, and the process through which water is discharged from the scale sumps, needs to be determined.	This information is needed to determine whether or not water discharged from the scale sumps is a potential migration pathway of contaminants to the LDW.	PRPs/Ecology	To be determined
Jorgensen Forge	Investigation of potential arsenic contamination in the southeast portion of the property needs to be conducted.	Significant arsenic contamination has been found on the adjacent Boeing/Isaacson property. Investigation of soils and groundwater should be conducted to determine if arsenic is present and if it is leaching into the adjacent sediments.	PRP/Ecology	To be determined
Jorgensen Forge	The geochemical effects of petroleum hydrocarbons in soils is needed.	There have been several investigations related to releases of petroleum hydrocarbons in soil and groundwater; however the geochemical effects are unknown.	PRP/Ecology	To be determined
Jorgensen Forge	Investigation of groundwater quality and flow direction in the center of the property needs to be conducted.	This information is needed to determine if there is contamination present and if the contamination is a potential threat to the LDW.	PRP/Ecology	To be determined

Site of Concern	Potential Data Gap	Rationale	Group to Generate Anticipate Data	Anticipate Data Will be Generated In
KCIA	Clarification and verification of area that drains to the LDW within EAA-4. A clear description of Outfall 5 and Drainage Basin 5, that includes the discharge point location, the location of drainage lines contributing to Outfall 5, and a written description of activities performed in and features included within Drainage Area 5, is needed.	This information is needed to determine the potential migration pathway of contaminants to the LDW from KCIA.	PRP/Ecology	To be determined
KCIA	Presentation of the 2005 stormwater system sampling event results in a formal report that presents the analytic results, data validation, and investigation of potential sources of contaminants.	This information is needed to determine whether PCB contamination from this area of the stormwater drainage system is a threat to the LDW within EAA-4.	PRP/Ecology	To be determined
KCIA	Further investigation of the joint caulk material at KCIA and presentation of sampling results in a formal report with analytical results, data validation, and discussion potential source pathway.	This information is needed to determine the concentrations of PCBs within the joint caulk material, the areal extent of the material, and the potential pathway of contamination of stormwater system.	PRP/Ecology	To be determined
East Marginal Way South	Maps showing limited information pertaining to the drainage system along this portion of East Marginal Way were supplied by the City of Tukwila. Much more information is needed concerning the stormwater drainage system in this area.	This information is needed to determine if this portion of East Marginal Way South could be contributing to sediment recontamination in EAA-4 of the LDW.	City of Tukwila/Ecology	To be determined