

Project No: SERA01-SER00059

Log of Borehole: ERT 1-1

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

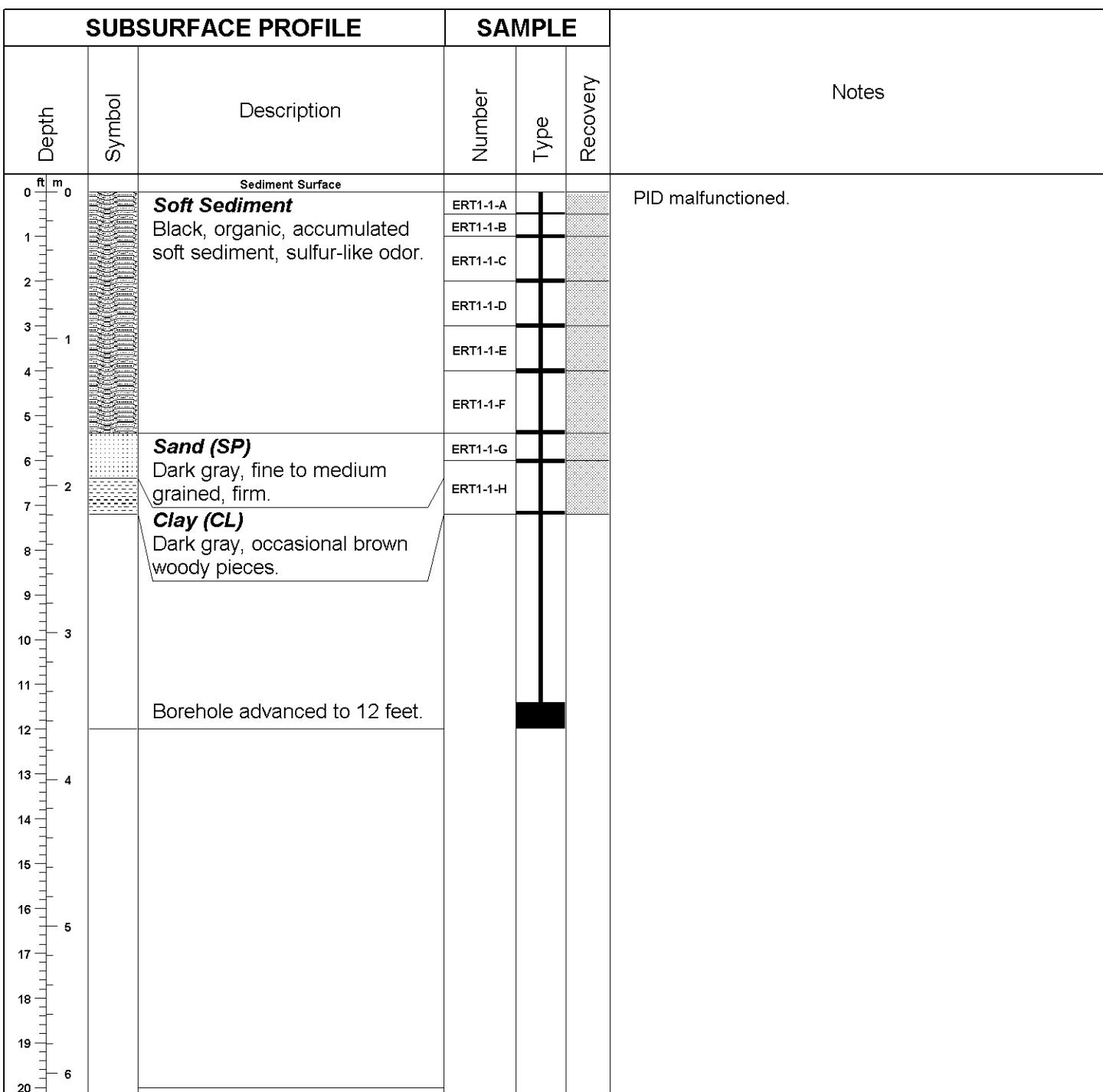
Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6816817

Longitude (W): -73.9870128

Time and Date Collected: 10:02 01/28/10



Drill Method: Vibracore

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Drill Company: Aqua Survey, Inc.

Hole Size: 6 inches

Project No: SERA01-SER00059

Log of Borehole: ERT 1-2

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

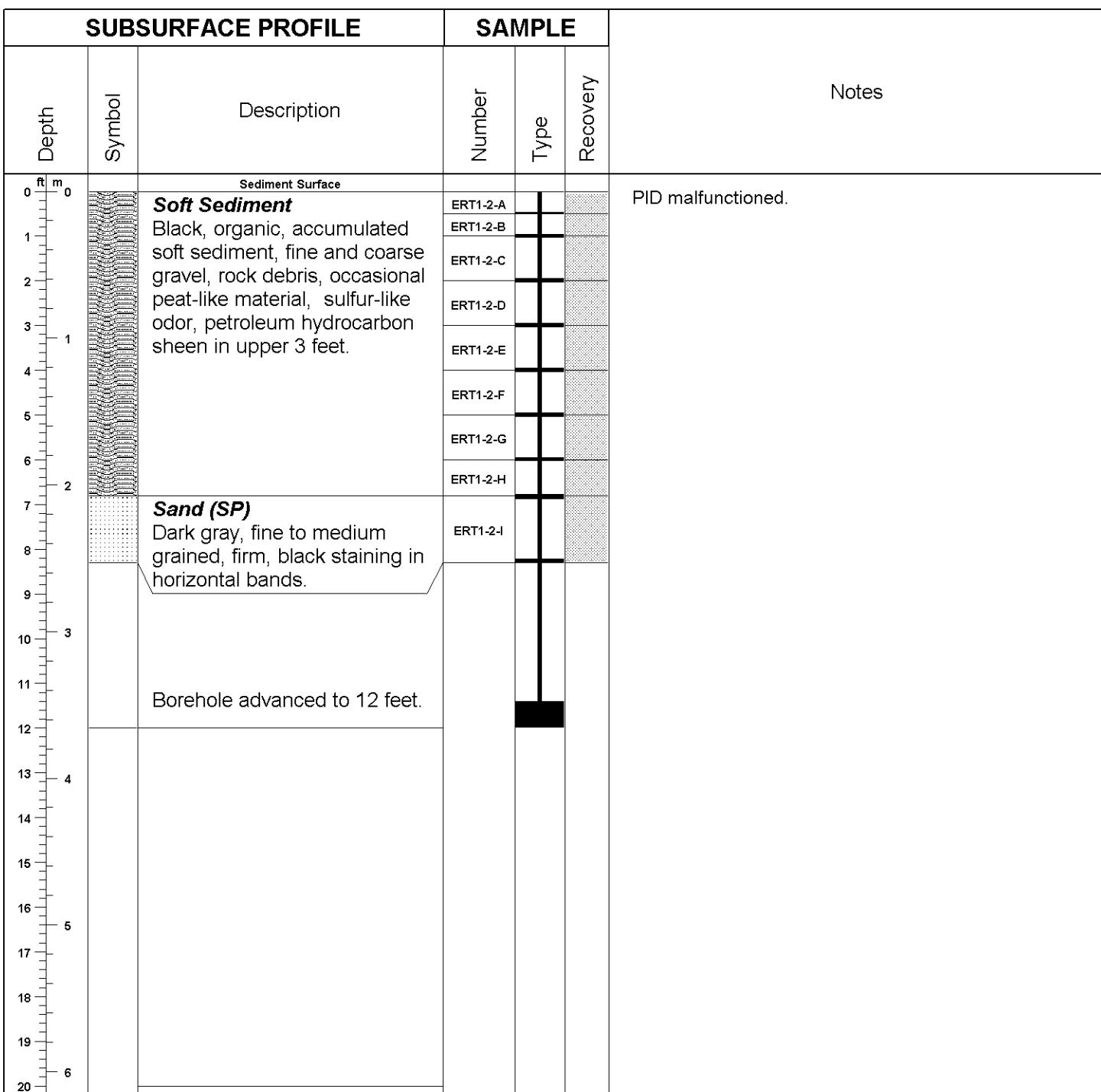
Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6816444

Longitude (W): -73.9868833

Time and Date Collected: 09:20 01/28/10



Drill Method: Vibracore

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Drill Company: Aqua Survey, Inc.

Hole Size: 6 inches

Project No: SERA01-SER00059

Log of Borehole: ERT 1-3

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6815986

Longitude (W): -73.9867656

Time and Date Collected: 09:30 01/29/10

SUBSURFACE PROFILE		SAMPLE			Notes	
Depth	Symbol	Description	Number	Type	Recovery	
0 ft 0 m		Sediment Surface				
1		Soft Sediment Black, organic, accumulated soft sediment, runny, wet to 1.7 feet.	ERT1-3-A	+	+	
2			ERT1-3-B	+	+	
3			ERT1-3-C	+	+	
4			ERT1-3-D	+	+	
5			ERT1-3-E	+	+	
6			ERT1-3-F	+	+	
7			ERT1-3-G	+	+	
8			ERT1-3-H	+	+	
9			ERT1-3-I	+	+	
10		Sand (SP) Dark gray, fine to medium grained, dense.	ERT1-3-J	+	+	
11		Becomes wetter and spongier between 9.5 and 10.5 feet.	ERT1-3-L	+	+	
12		Clayey Sand (SC) Dark gray, fine grained.				
13		Sand (SP) Dark gray, medium grained.	ERT1-3-N	+	+	
14						
15		Borehole advanced to 15 feet.		+	+	
16						
17						
18						
19						
20						

Drill Method: Vibracore

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Drill Company: Aqua Survey, Inc.

Hole Size: 8 inch

Project No: SERA01-SER00059

Log of Borehole: ERT 2-1

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

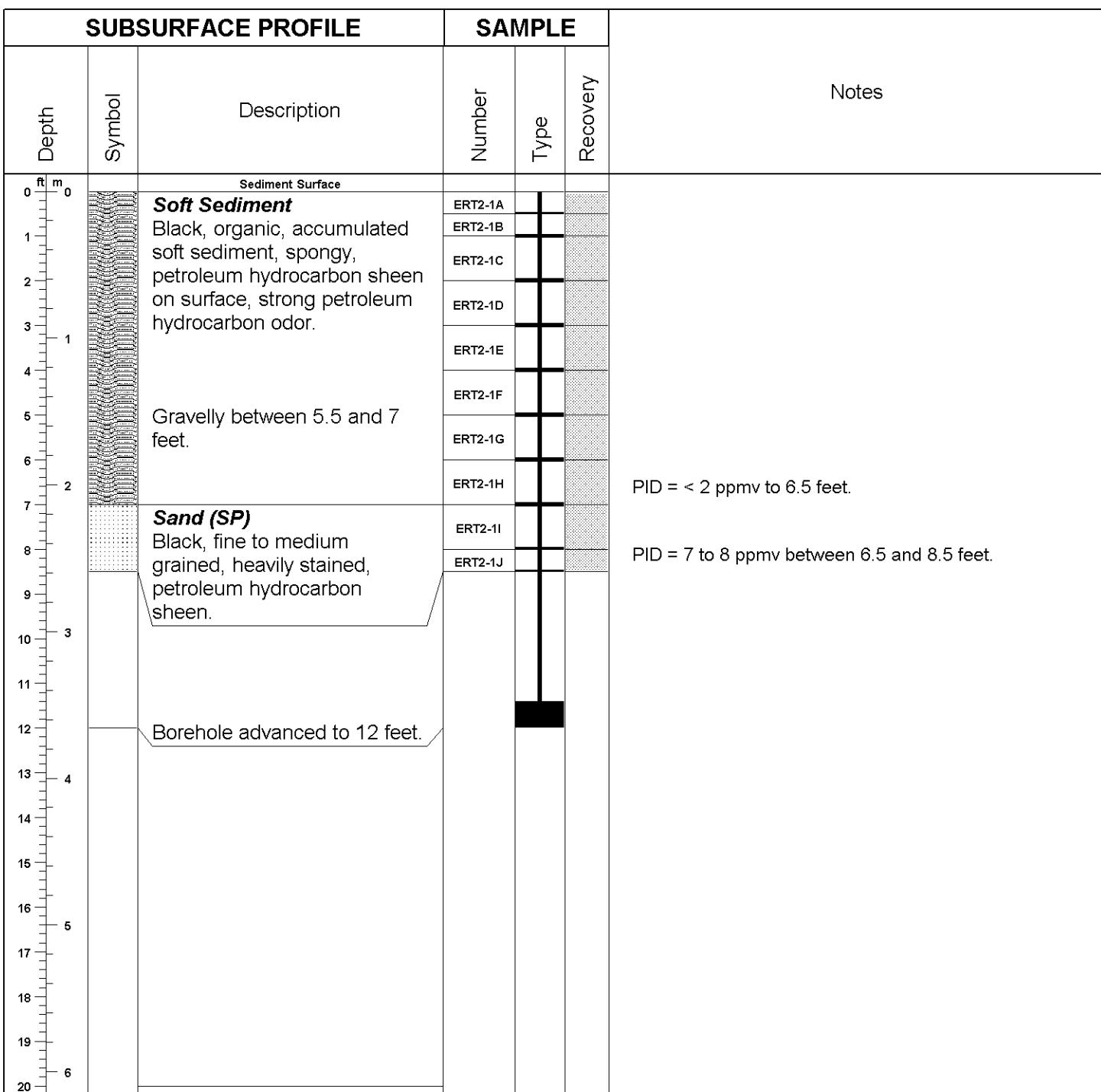
Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6813058

Longitude (W): -73.9872789

Time and Date Collected: 11:38 01/28/10



Drill Method: Vibracore

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Drill Company: Aqua Survey, Inc.

Hole Size: 6 inches

Project No: SERA01-SER00059

Log of Borehole: ERT 2-2

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6812867

Longitude (W): -73.9871489

Time and Date Collected: 12:40 01/28/10

SUBSURFACE PROFILE		SAMPLE			Notes	
Depth	Symbol	Description	Number	Type	Recovery	
0 ft 0 m		Sediment Surface	ERT2-2-A			PID malfunctioned.
1		Soft Sediment Black, organic, accumulated soft sediment, spongy, petroleum hydrocarbon sheen.	ERT2-2-B			
2			ERT2-2-C			
3			ERT2-2-D			
4			ERT2-2-E			
5			ERT2-2-F			
6			ERT2-2-G			
7			ERT2-2-H			
8		Sand (SP) Dark gray, medium grained, petroleum hydrocarbon stain and odor.	ERT2-2-I			
9						
10						
11		Borehole advanced to 12 feet.				
12						
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20						

Drill Method: Vibracore

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Drill Company: Aqua Survey, Inc.

Hole Size: 6 inches

Project No: SERA01-SER00059

Log of Borehole: ERT 2-3

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

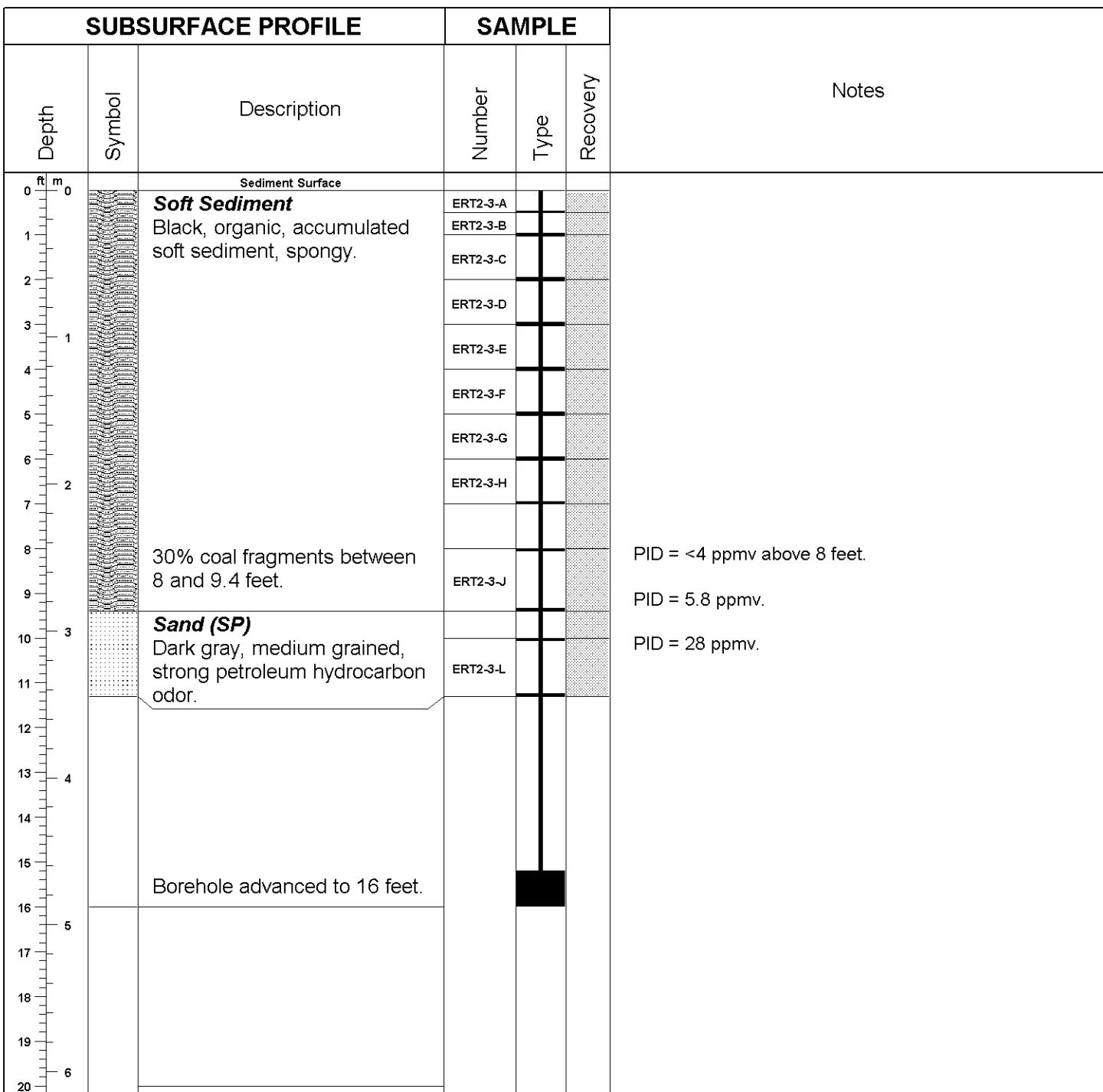
Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6812314

Longitude (W): -73.9870197

Time and Date Collected: 10:15 01/29/10



Drill Method: Vibracore

Drill Company: Aqua Survey, Inc.

Hole Size: 6 inches

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Project No: SERA01-SER00059

Log of Borehole: ERT 3-1

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6803922

Longitude (W): -73.9878961

Time and Date Collected: 14:15 01/27/10

SUBSURFACE PROFILE		SAMPLE			Notes	
Depth	Symbol	Description	Number	Type	Recovery	
0 ft 0 m		Sediment Surface	ERT3-1-A			PID malfunctioned.
1		Soft Sediment Black, organic, silty, some flat, angular rock debris, accumulated soft sediment, spongy, petroleum hydrocarbon sheen in upper one foot.	ERT3-1-B			
2			ERT3-1-C			
3			ERT3-1-D			
4		Less silt and more rock clasts between 1 and 3 feet.	ERT3-1-E			
5		Proportion of rock debris increases between 3 and 4.3 feet.	ERT3-1-F			
6		Almost entirely gravel between 4.3 and 4.8 feet.	ERT3-1-G			
7			ERT3-1-H			
8		Silt (ML) Black, firm. Sandy with metal fragments between 5.8 and 6.5 feet. Borehole advanced to refusal at 8.8 feet.				
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Drill Method: Vibracore

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Drill Company: Aqua Survey

Hole Size: 6 inches

Project No: SERA01-SER00059

Log of Borehole: ERT 3-2

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6803461

Longitude (W): -73.9877786

Time and Date Collected: 13:45 01/28/10

SUBSURFACE PROFILE		SAMPLE			Notes	
Depth	Symbol	Description	Number	Type	Recovery	
0 ft 0 m		Sediment Surface				
1		Soft Sediment Black, organic, soft accumulated sediment.	ERT3-2-A			
2			ERT3-2-B			
3			ERT3-2-C			
4			ERT3-2-D			
5			ERT3-2-E			
6			ERT3-2-F			
7			ERT3-2-G			
8		Sand (SP) Dense.	ERT3-2-H			PID = <3ppmv above 9 feet.
9			ERT3-2-I			PID = 15 ppmv at 7.8 feet.
10		Clayey Sand (SC)	ERT3-2-J			
11			ERT3-2-K			PID = <10 ppmv between 8 and 10 feet.
12		Borehole advanced to 12 feet.				
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Drill Method: Vibracore

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Drill Company: Aqua Survey, Inc.

Hole Size: 6 inches

Project No: SERA01-SER00059

Log of Borehole: ERT 3-3

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

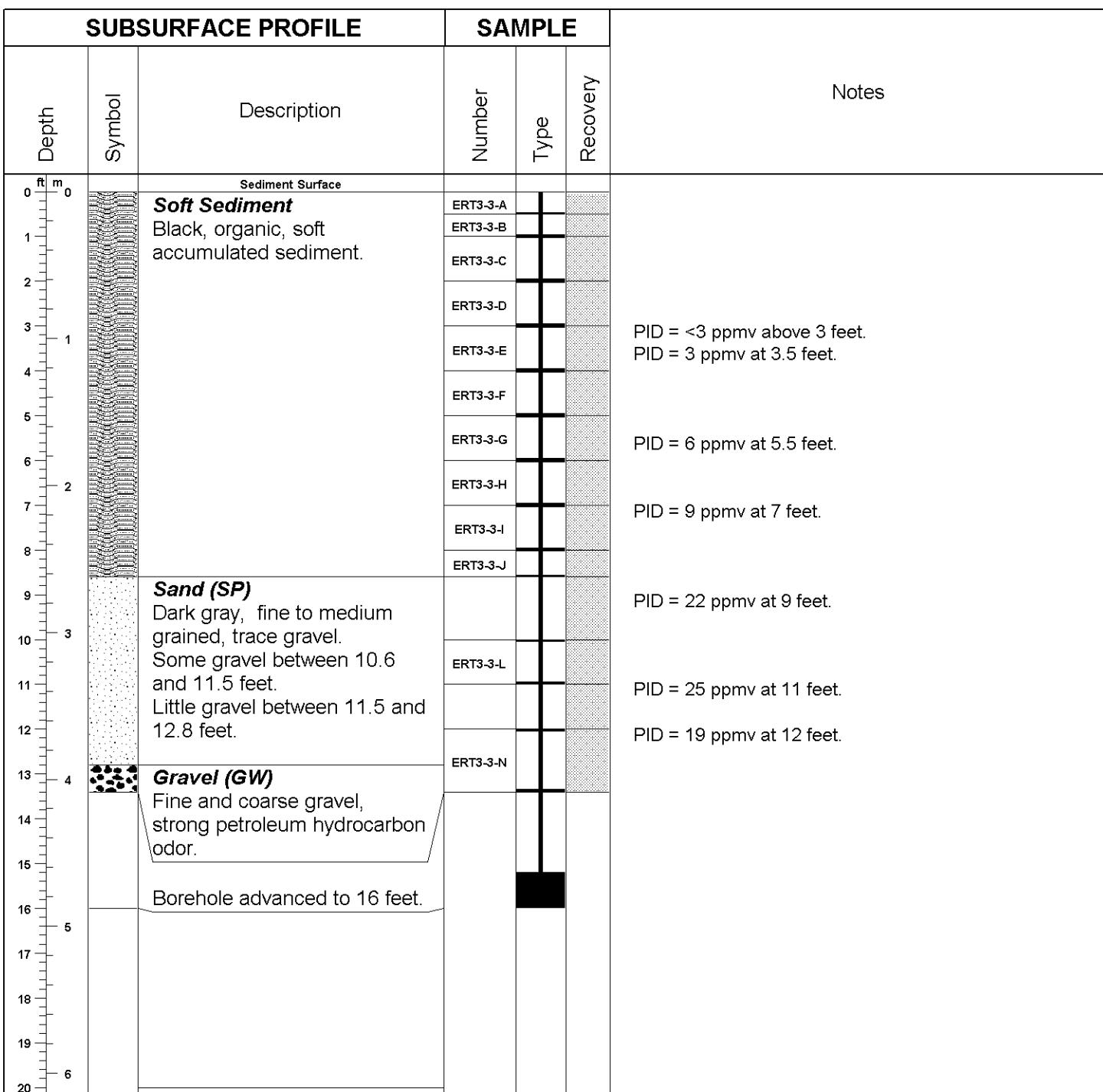
Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6803000

Longitude (W): -73.9876608

Time and Date Collected: 11:00 01/29/10



Drill Method: Vibracore

Lockheed Martin/SERAS
2890 Woodbridge Avenue
Building 209 Annex
Edison, NJ 08837

Sheet: 1 of 1

Drill Company: Aqua Survey, Inc.

Hole Size: 6 inches

Project No: SERA01-SER00059

Log of Borehole: ERT 4-3

Project: Gowanus Canal Superfund Site

Client: EPA/ERT

Location: Brooklyn, NY

Logged By: C. Sklaney

Latitude (N): 40.6792792

Longitude (W): -73.9883389

Time and Date Collected: 11:40 01/29/10

SUBSURFACE PROFILE		SAMPLE			Notes	
Depth	Symbol	Description	Number	Type	Recovery	
0 ft 0 m		Sediment Surface	ERT4-3-A			
1		Soft Sediment Black, organic, silty, soft accumulated sediment, petroleum hydrocarbon sheen and odor.	ERT4-3-B			
2			ERT4-3-C			
3			ERT4-4-D			
4			ERT4-4-E			
5			ERT4-4-F			
6			ERT4-4-G			PID = <3 ppmv above 4 feet.
7			ERT4-4-H			PID = 5.8 ppmv at 5 feet.
8		Rock debris between 5.5 and 7.3 feet.	ERT4-4-I			PID = 8 ppmv at 6.5 feet.
9			ERT4-4-J			PID = 25 ppmv at 7.5 feet.
10		Sand (SP) Dark gray, fine to medium grained, trace well rounded gravel, hydrocarbon sheen and strong petroleum hydrocarbon odor.	ERT4-4-K			PID = 36 ppmv at 8.5 feet.
11		Borehole advanced to 12 feet.				PID = 10.6 ppmv at 9.5 feet.
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Drill Method: Vibracore

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Sheet: 1 of 1

Drill Company: Aqua Survey, Inc.

Hole Size: 6 inches