APPENDIX A

PREVIOUS INVESTIGATION GEOLOGIC LOGS AND ANALYTICAL RESULTS (CD ONLY)

NAVY PHASE 1 GEOLOGIC LOGS

TABLE A.1-1

NAVY PHASE 2 GEOLOGIC LOGS

TABLE A.1-2

TABLE A.1-3

ARMY OFF-SITE GEOLOGIC LOGS

TABLE A.1-4

EPA OFF-SITE GEOLOGIC LOGS

TABLE A.1-5

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FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW01A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	9 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/4/2002	Northing:	1977342.7
Date Completed:	3/4/2002	Easting:	6107347.96

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML/CL		CLAYEY SILT: black (5y 2.5/1) moist, 100% fines with low plasticity		
5		1	0.9					5
		1	0.7	ML/CL		CLAYEY SILT WITH SAND: olive gray (5y 5/2), moist, 85% fines with low plasticity; 15% medium to course subangular sand; some roots	▼ ▽	
		1	1.1	SM		SILTY SAND WITH GRAVEL: olive gray (5y 5/2), wet, 60% medium to course subangular sand; 20% non plastic fines; 20% fine to course subangular gravel, max. size 1.5 inch.		
10								10
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW_CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW02A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/4/2002	Northing:	1977010.35
Date Completed:	3/4/2002	Easting:	6107386.41

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SANDY SILT: yellow brwon (10yr 5/4), dry, 70% non plastic fines, 30% fine to medium sand (baseball infield fill)		
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist 100% fines with low plasticity		
5		1	0.6	CL/ML		SILTY CLAY: very dark gray (5y 3/1), moist, 100% fines with lwo to medium plasticity; some roots	▽	5
		1	0.5					
		.5	0.5					
		1	0.6	ML/CL		CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low plasticity		10
10		1	0.6			CLAYEY SILT: 90% fines as above; 10% fine, sub angular to rounded, gravel (carbonated nodules) max. size .5 inch	▼	
		1	0.7	ML/CL				
		1	0.9					
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW03A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/6/2002	Northing:	1976679.53
Date Completed:	3/6/2002	Easting:	6107401.44

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT		
						ROAD BASE		
						ASPHALT		
						ROAD BASE		
				ML		SILT: dark gray (5y 4/1), moist, 100% non platic fines, trace medium sand		
5		1	0.2	ML/CL		CLAYEY SILT: dark gray (5y 4/1), moist, 100% fines with low to medium plasticity		5
		1	0.2					
							▽	
		1	0			CLAYEY SILT: olive gray to olive (5y 4/3 to 5/2), moist to wet, 100% fines with medium plasticity		10
10		1	0					
		1	0	ML/CL			▼	
		1	0					
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CT033.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW04A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/1/2002	Northing:	1976391.6
Date Completed:	3/1/2002	Easting:	6107393.49

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low to medium plasticity		
				CL		LEAN CLAY: dary gray (5y 4/1), moist, 100% fines with medium plasticity		
5							▽	5
		1	1.5			FAT CLAY: dark gray (5y 4/1), moist, 100% fines with high plasticity; trace fine, sub rounded, gravel, may size .25 inch		
10		1	1.4	CH				10
		1	1.2					
		1	1.9					
		1	1.1			SILTY CLAY: olive gray (5y 4/2), moist to wet, 100% fines with medium plasticity, trace fine subrounded gravel		
		1	0.8	CL/ML				
15		1	1.1				▼	15
		1	0.8	ML/CL		CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low to medium plasticity		
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW05A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/28/2002	Northing:	1976085.69442 est.
Date Completed:	2/28/2002	Easting:	6107374.59072 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						FAT CLAY: black (5y 2.5/1), moist, 100% fines with high plasticity		
				CH				
5		1	1			FAT CLAY: olive gray (5y 5/2)		5
		1	0.8	CH			▽	
		1	1.1					
		1	1.1			FAT CLAY: black (5y 2.5/1) moist, 100% fines high plasticity		
10		1	0.6					10
		1	1.1			FAT CLAY: olive (5y 4/3)		
		1	1.1	CH				
		1	0.8	CH				
		1	0.9					
15		1	1.1					15
		1	1.1	SM		SILTY SAND: very dark gray (5y 3/1), wet, 60% medim to coarse, subrounded to subangular sand; 30% non plastic fines; 10% fine, subangular, gravel	▼	
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW06A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	12 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/26/2002	Northing:	1975797.75
Date Completed:	2/26/2002	Easting:	6107402.52

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				CH		FAT CLAY: very dark gray (5y 3/1), moist, 100% fines with high plasticity, some roots		
5		1	0.2					5
		1	0.2					
		1	0.2					
		1	0.5					
		1	0.3	ML/CL		CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low plasticity		10
10		1	0.3					
		1	0.2	ML		SANDY SILT: olive gray (5y 5/2), wet, 80% fines with no to low plasticity, 20% fine sand		
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

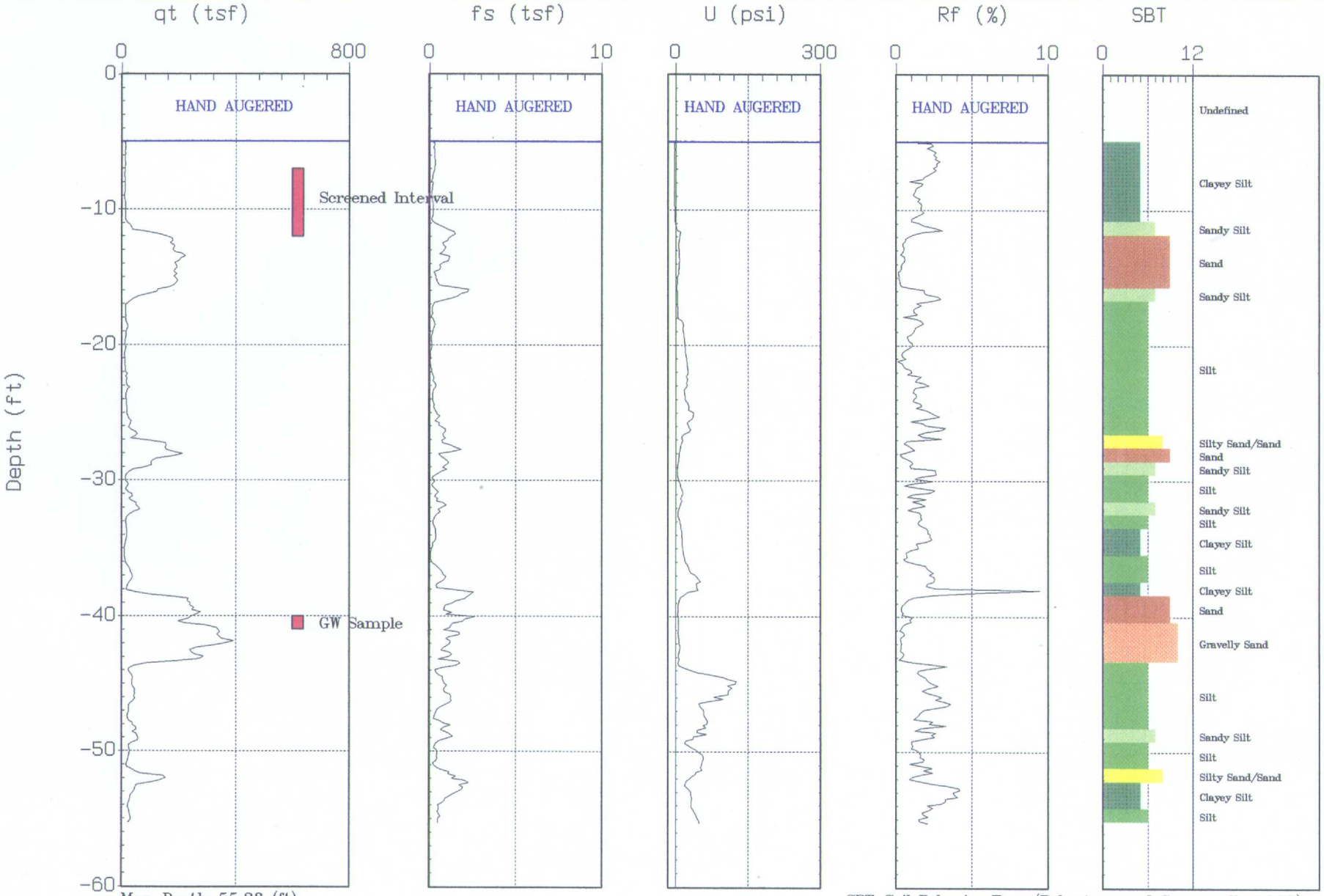
First Encountered Groundwater
Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW06A

Engineer : JEFF OSLICK
Date : 02:27:02 10:18



Max. Depth: 55.28 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW07A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/26/2002	Northing:	1975505.04
Date Completed:	2/26/2002	Easting:	6107404.58

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT		
				CH		FAT CLAY: very dark gray (5y 3/1), moist, 100% fines with high plasticity		
5		1	0			FAT CLAY: color change to olive gray (5y 4/2)	▽	5
		1	0	CH				
		1	0.1			FAT CLAY: very dark gray (5y 3/1) moist, 100% fines with high plasticity		
10		1	0.1	CH				10
		1	0					
		1	0			SILTY CLAY: light olive gray (5y 6/2), moist 100% fines with medium plasticity		
		1	0	CL/ML				
		1	0			FAT CLAY: olive gray (5y 4/2), moist, 100% fines with high plasticity		
15		1	0	CH				15
20								20
						Groundwater not observed during drilling		
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

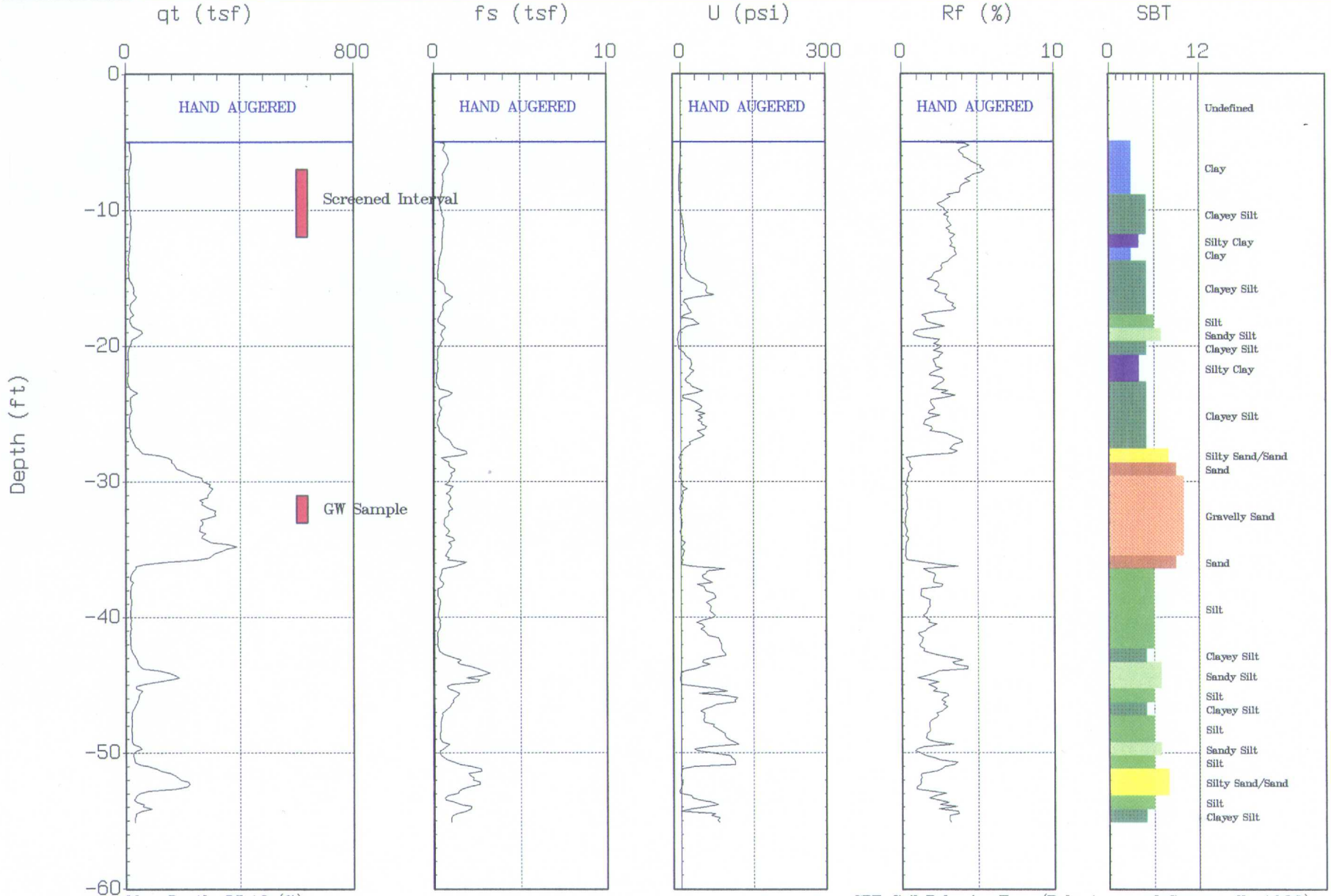
▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW07A

Engineer : JEFF OSLICK
Date : 02:26:02 12:02



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW08A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/11/2002	Northing:	1977556.14482 est.
Date Completed:	3/11/2002	Easting:	6107090.28615 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT ROAD BASE CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low plasticity		
				ML/CL				
5		1	0					5
		1	0			CLAYEY SILT: olive gray (5y 5/2), moist 95% fines with low plasticity, 5% fine angular gravel (carbonate nodules)	▽	
		1	0	ML/CL				
		1	0				▼	
		1	0	ML/CL		CLAYEY SILT: olive (5y 5/3), wet, 100% fines with low plasticity trace fine gravel		
10								10
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW09A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	9 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/11/2002	Northing:	1977301.76
Date Completed:	3/11/2002	Easting:	6107095.8

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: black (5y 2.5/1), moist, 100% non plastic fines		
5		1	1.4					5
		1	1.2			CLAYEY SILT: very dark gray (5y 3/1), moist, 100% fines of low plasticity, trace fine angular gravel (carbonate nodules)	▽	
		1	1.5	ML/CL				
		1	1.2				▼	
				ML		SILT: gray (5y 6/1), wet, 90% fines with low plasticity, 10% fine sand; trace fine, angular gravel (carbonate nodules)		
10								10
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW_CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW10A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	11 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/4/2002	Northing:	1977010.06
Date Completed:	3/4/2002	Easting:	6107155.04

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: black (5y 2.5/1), moist, 100% non plastic fines, some roots		
				CL/ML		SILTY CLAY: black (5y 2.5/1), moist, 100% fines with low to medium plasticity		
5		1	0.7	ML/CL		CLAYEY SILT: dark gray (5y 4/1), moist, 100% fines with low plasticity		5
		1	0.4	ML		SANDY SILT: dark gray (5y 4/1), moist, 60% non plastic fines, 40% fine sand	▽	
		1	0.5	ML		SANDY SILT: olive gray (5y 6/2), moist, 60% non plastic fines, 35% fine to medium subrounded sand, 5% fine sub rounded gravel		
	○	1	0.8	ML		AS ABOVE: 60% fines with low plasticity	▼	
10		1	0.4	SP		POORLY GRADED SAND: light olive gray (5y 6/2), wet, 90% fine sand, 10% nonplastic fines		10
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW11A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	14 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/4/2002	Northing:	1976698.48
Date Completed:	3/4/2002	Easting:	6107101.45

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						SILT: grayish brown (10yr 5/2), moist, 100% non plastic fines		
5		1	0.4	ML				5
		1	0.5					
		1	0.4				▽	
		1	0.4					
		1	0.6	CL/ML		SILTY CLAY: dark gray (5y 4/1), moist, 100% fines with low to medium plasticity		
10		1	0.4			SILT: olive gray (5y 5/2), moist, 100% fines with no to low plasticity		10
		1	0.5	ML				
		1	0.4				▼	
		1	1	SM		SILTY SAND: olive gray (5y 5/2), wet, 60% medium to coarse subangular sand, 30% non plastic fines, 10% fine subangular gravel		
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW12A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/1/2002	Northing:	1976428.78
Date Completed:	3/1/2002	Easting:	6107127.36

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						CONCRETE		
						ROAD BASE		
				CL		CLAY: black (5y 2.5/1), moist, 100% fines with high plasticity		
				CL/ML		SILTY CLAY: olive gray (5y 4/2), moist, 100% fines of medium plasticity		
5								5
							▽	
		1	1.7			SITLY CLAY: as above, trace fine sand		
10		1	0.9	CL/ML				10
		1	0.8			SILTY CLAY: as above		
		1	0.6	CL/ML				
15		1	0.7	ML		SILTY SAND: olive gray (5y 4/2), wet, 70% non plastic fines, 30% sand fine	▼	15
		1	0.6	SM		SILTY SAND: olive gray (5y 4/2), wet, 80% fine to medium subrounded sand, 20% non plastic fines		
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW13A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/28/2002	Northing:	1976098.29
Date Completed:	2/28/2002	Easting:	6107109

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				CL		LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium plasticity		
5		0					▽	5
		1	1.2			LEAN CLAY: olive gray (5y 4/1), moist, 100% fines with medium plasticity		
10		1	1.2					10
		1	1.4					
		1	1.3	CL				
		1	0.4					
		1	0.7					
15		1	1.5	ML		SANDY SILT: olive gray (5y 4/1), moist, 70% non plastic fines, 30% fine to medium subrounded sand, trace fine gravel	▼	15
		1	2.2	SP		POORLY GRADED SAND: olive gray (5y 4/1), wet, 85% medium to coarse, subrounded, sand, 10% fine to coarse, subrounded gravel, 5% non plastic fines		
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW14A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/4/2002	Northing:	1975676.57299 est.
Date Completed:	3/4/2002	Easting:	6107097.74397 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: Black (5y 2.5/1), moist, 100% non plastic fines, trace coarse gravel and cobbles may size 6 inches (fill material), some roots		
						CLAYEY SILT: very dark gray (5y 3/1), moist, 100% fines with low to medium plasticity, roots		
5		1	0.3	ML/CL			▽	5
		1.2	0.9					
		1	1			SILTY CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity, roots		
10		1	0.9	CL/ML				10
		1	0.8					
		1	0.6			CLAYEY SILT: olive gray (5y 5/2), moist, 100% fines with low plasticity, some roots		
		1	0.7	ML/CL				
		1	1					
15		1	0.7	ML		SANDY SILT: olive gray (5y 5/2), wet, 70% non plastic fines, 30% fine sand	▼	15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW15A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/27/2002	Northing:	1975522.38
Date Completed:	2/27/2002	Easting:	6107121.41

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		ASPHALT SANDY SILT WITH GRAVEL: dark brown (10yr 3/4), moist, 40% non plastic fines, 30% medium to coarse subrounded sand, 30% fine to coarse angular gravel (fill material)		
				ML		SANDY SILT: grayish brown (10yr 4/2), moist, 80% fines with no to low plasticity, 20% fine sand		
5		1	0.2			SILTY CLAY: olive gray to dark olive gray ((5y 4/2 to 3/2), moist, 100% fines with medium plasticity	▽	5
		1	0.4	CL/ML				
		1	0.6	ML/CL		CLAYEY SILT: olive gray (5y 5/2), moist, 100% fines withlow plasticity		
		1	0.7			LEAN CLAY: very dark gray to olive gray (5y 3/1 to 5/2), moist, 100% fines iwth medium to high plasticity		
10		1	0.7					10
		1	0.6	CL				
		1	0.4					
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

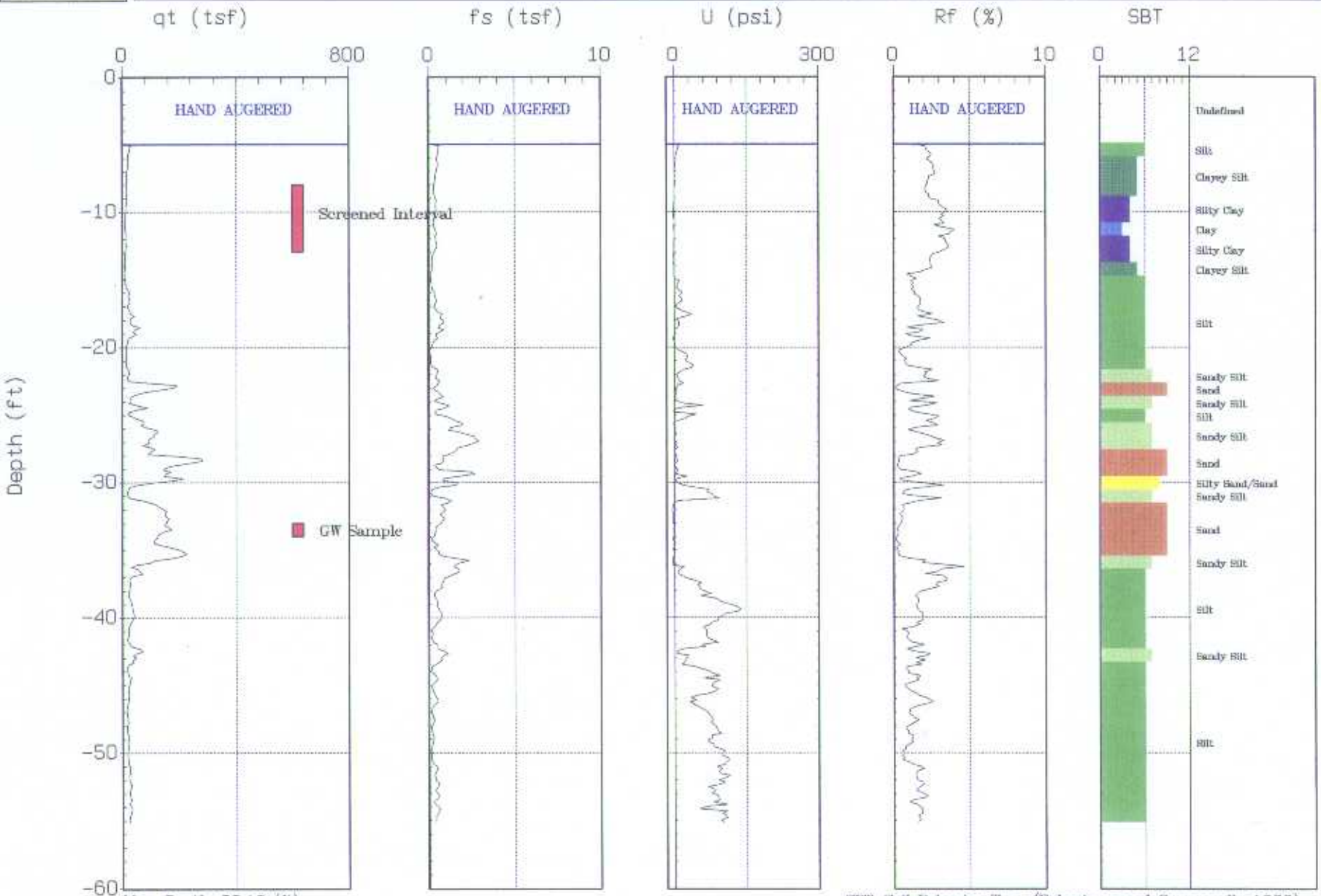
▼ First Encountered Groundwater
▽ Static Groundwater

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW15A

Engineer : JEFF OSLICK
Date : 02:28:02 08:26



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW16A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/7/2002	Northing:	1977889.64
Date Completed:	3/7/2002	Easting:	6106853.25

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						CONCRETE ROAD BASE CLAYEY SILT: black to very dark gray (5y 2.5/1 to 3/1), moist 100% fines with low plasticity		
				ML/CL				
5		1	0					5
		1	0					
		1	0			CLAYEY SILT: dark gray (5y 4/1), moist, 100% fines with low plasticity	▽	
10		1	0	ML/CL				10
		1	0				▼	
		1	0	ML/CL		CLAYEY SILT: olive (5y 5/2) wet, 90% fines with low plasticity, 5% coarse angular sand, 5% fine angular gravel (carbonate nodules)		
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW17A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/4/2002	Northing:	1977529.41
Date Completed:	3/4/2002	Easting:	6106806.59

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				CL		LEAN CLAY: black (5y, 2.5/1), moist, 100% fines with medium plasticity		
5		1 0.5	0.3 0.6	ML/CL		CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low plasticity		5
		1 1 1	0.3 0.5 0.4	CL ML/CL		LEAN CLAY: olive gray (5y 5/2), moist, 100% fines with medium plasticity CLAYEY SILT: olive gray (5y 5/2), moist, 100% fines with no to low plasticity		10
15		1 1 1 1	0.6 0.4 0.5 0.9	ML SM SP		SANDY SILT: dark olive gray (5y 3/2), wet, 70% non plastic fines, 30% fine sand SILTY SAND: dark olive gray (5y 3/2), wet, 60% fine sand, 40% non plastice fines POORLY GRADED SAND WITH GRAVEL: very dark gray (5y 3/1), wet 80% medium to coarse subrounded to subangular sand, 20% fine subangular gravel		15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

First Encountered Groundwater
Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW18A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/7/2002	Northing:	1977276.28
Date Completed:	3/7/2002	Easting:	6106802.07

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: olive gray (5y 4/2), moist, 90% nonplastic fines, 10% fine to coarse subangular gravel, max size 1.5 inch, some roots		
5		1	0	ML		SILT: very dark gray (5y 3/1), moist, 100% non plastic fines, some roots	▽	5
		1	0					
		1	0			CLAYEY SILT: dark gray and olive (5y 4/1 and 4/2), moist, 100% fines with low plasticity, some roots		
10		1	0					10
		1	0.2	ML/CL				
		1	0.2					
15								15
20						Groundwater not observed during drilling		20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW19A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	9 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/11/2002	Northing:	1976989.59
Date Completed:	3/11/2002	Easting:	6106806.95

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT		
						ROAD BASE		
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low to medium plasticity		
				ML		GRAVELY SILT WITH SAND: olive gray (5y 4/2), moist, 50% non plastic fines, 30% fine to coarse, subrounded gravel, 20% medium to coarse, subrounded sand, may size 1.5 inches		
5		1	1.5			POORLY GRADED GRAVEL WITH SAND AND SILT: olive gray (5y 4/2), wet, 60% fine to coarse, subangular to subrounded gravel, 30% medium to coarse, subrounded sand, 10% non plastic fines, max size 1.5 inches	▼ ▽	5
		1	1.5	GP-GM				
		1	1.5					
10								10
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW20A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	11 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/7/2002	Northing:	1976704.62537 est.
Date Completed:	3/7/2002	Easting:	6106762.8646 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: dark yellow brown (10yr 4/3), moist, 100% non plastic fines (fill material)		
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low plasticity		
5		1	0	ML		SILT: olive gray (5y 4/2), moist, 100% non platic fines trace medium to coarse sand, trace fine subrounded to subangular gravel		5
		1	0					
		1	0			POORLY GRADED SAND WITH SILT AND GRAVEL: olive gray (5y 4/2), wet, 60% medium to coarse, subrounded sand, 30% fine to coarse subrounded gravel, 10% non plastic fines	▼ ▽	
		1.5	0.6	SP				
10								10
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW21A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/7/2002	Northing:	1976398.82
Date Completed:	3/7/2002	Easting:	6106801.29

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: dark yellow brown (10yr 4/4), moist, 100% non plastic fines		
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low plasticiyt, some roots		
						SILT: olive gray (5y 5/2), moist, 100% non plastic fines, some roots,, up to .25 inches in diameter		
5		1	0					5
		1	0	ML				
		1	0					
		1	0				▽	
		1	0				▼	
10		1	0			CLAYEY SILT: light olive gray (5y 6/2), wet, 100% fines with low plasticity, trace angular coarse sand and fine gravel (carbonate nodules)		10
		1	0	ML/CL				
		1	0					
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW22A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/28/2002	Northing:	1976098.33
Date Completed:	2/28/2002	Easting:	6106801.16

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				CH		FAT CLAY: black (5y 2.5/1), moist, 100% fines with high plasticity roots		
				CL/ML		SILTY CLAY: olive (5y 5/3), 100% fines with medium plasticity, roots		
5		1	1.2				▽	5
		1	1.4					
		1	1.4					
		1	1.1					
		1	0.4	CL		LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity, roots		
10		1	0.6					10
		1	1.5	ML		SANDY SILT: olive (5y 5/3), moist, 70% non plastic fines, 20% fine to coarse subrounded sand, 10% fine subrounded gravel	▼	
		1	1.2	SM		SILTY SAND: very dark brown (10yr 2/2), wet, 70% medium to coarse, subangular to subrounded sand, 10% fine subrounded gravel, 20% non plastic fines		
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW23A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/28/2002	Northing:	1975785.06
Date Completed:	2/28/2002	Easting:	6106811.08

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT		
						ROAD BASE		
				CH		FAT CLAY: black (5y 2.5/1), moist, 100% fines with high plasticity		
				CL/ML		SILTY CLAY: olive gray (5y 4/2), moist, 100% fines with medium plasticity		
5		1	1.5					5
							▽	
		1	1.9			SILTY CLAY: as above		
10		1	1.5	CL/ML				10
		1	1.1					
		1	1.1	CL		LEAN CLAY: dark gray (5y 3/1), moist, 100% fines with medium to high plasticity		
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW24A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/27/2002	Northing:	1975491.58
Date Completed:	2/27/2002	Easting:	6106812.61

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: dark brown (10yr 3/3), moist, 90% non plastic fines, 10% fine subrounded sand, trace fine subrounded gravel (fill material)		
						LEAN CLAY: black (5y 2.5/1), moist, 100% fines with high plasticity, olive gray (5y 4/2) at 8.0 ft bgs		5
5		1	0.3	CL				
		1	0.2					
		1	0.3					
			1.5				▽	
		1	0			SILTY CLAY: olive gray (5y 4/2), moist, 100% fines with medium plasticity		10
10		1	0.3	CL/ML				
		1	0.2			LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity		
		1	0.3	CL			▼	
		1	0.4	CL/ML		SILTY CLAY: olive gray (5y 4/2), wet, 100% fines with medium plasticity		
		1	0.2			LEAN CLAY: olive gray (5y 4/2), moist, 100% fines with high plasticity		15
15		1	0.2	CL				
		1	0.3					
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

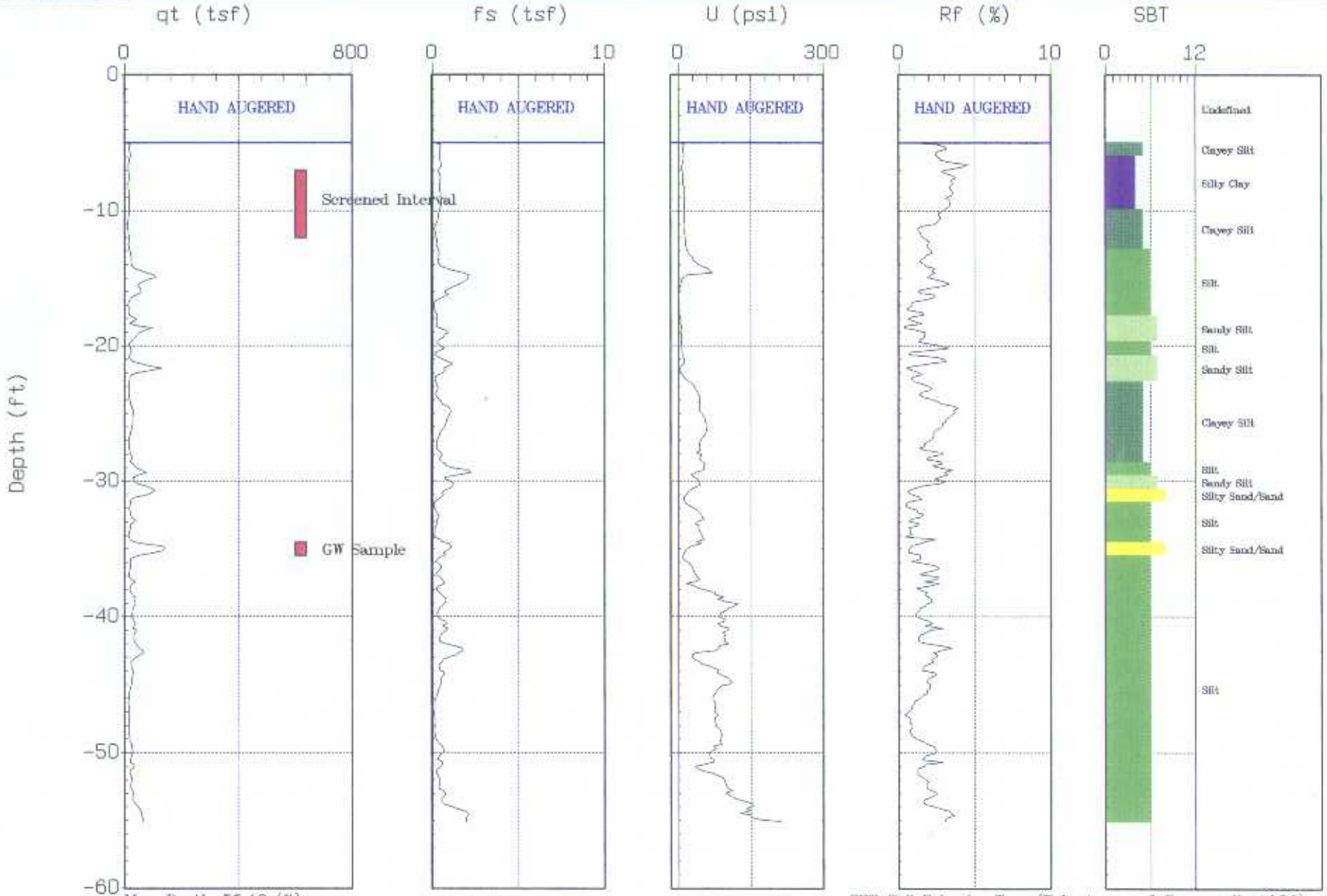
BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW24A

Engineer : JEFF OSLICK
Date : 02:27:02 13:02



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW25A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/7/2002	Northing:	1977866.71
Date Completed:	3/7/2002	Easting:	6106499.17

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: dark yellowish brown (10yr 3/4), moist, 100% non plastic fines, some roots		
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low plasticity		
5		1	0	ML		SILT: very dark gray (5y 3/1), moist, 100% non plastic fines		5
		1	0					
		1	0					
		1	0					
		1	0.1				▽	
10		1	0.3	ML/CL		CLAYEY SILT: olive gray (5y 5/2), moist, 100% fines with low plasticity		10
		1	0					
		1	0					
		1	0					
		1	0.1	SM		SILTY SAND: olive gray (5y 5/2), wet, 60% fine sand, 40% non plastic fines		
15		1	0					15
		1	0				▼	
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CT033.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW26A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/7/2002	Northing:	1977570.94
Date Completed:	3/7/2002	Easting:	6106508.81

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low plasticity		
						SILT: dark gray (5y 4/1), moist, 100% non plastic fines, some roots		
				ML				
5		1	0					5
		1	0					
		1	0					
							▽	
		1	0.7			CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low plasticity, trace fine subangular gravel (carbonate nodules)		
10		1	0.4					10
		1	0.2	ML/CL				
		1	0.2					
		1	0.3				▼	
		1	0.2			SILT: olive gray (5y 4/2), wet, 100% fines with no to low plasticity, trace fine, subangular to subrounded gravel (carbonate nodules)		
15		1	0.2	ML				15
		1	0.4					
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW27A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	16 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/7/2002	Northing:	1977256.27
Date Completed:	3/7/2002	Easting:	6106445.98

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: olive gray (5y 4/2), moist, 100% nonplastic fines, some roots		
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low plasticity, some roots		
5		1	0			SILT: very dark olive gray (5y 5/2), moist, 100% non plastic fines, some roots		5
		1	0	ML				
		1	0					
		1	0				▽	
		1	0					
10		1	0			CLAYEY SILT: olive gray (5y 5/2), moist, 95% non plastic fines, 5% fine angular gravel (carbonate nodules)		10
		1	0	ML/CL				
		1	0					
		1	0				▼	
		1	0	ML		SILT: olive gray (5y 5/2), wet, 100% fines ith no to low plasticity		
15		1	0	SP		POORLY GRADED SAND WITH SILT: olive gray (5y 5/2), wet, 90% fine subrounded sand, 10% non plastic silt		15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW28A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/6/2002	Northing:	1977024.67
Date Completed:	3/6/2002	Easting:	6106462.05

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: black to olive gray (5y 2.5/1 to 4/2), moist, 100% non plastic fines, some roots		
5		1	0.2					5
		1	0.2					
		1	0					
		1	0.2			CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low plasticity	▽	
		1	0.2					
10		1	0.3	ML/CL				10
		1	0.1					
		1	0.2				▼	
		1	0			SILTY SAND: olive gray (5y 4/2), wet, 60% fine subrounded sand, 40% non plastic fines		
		1	0.1					
15		1	0.2	SM				15
		1	0.1					
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW29A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/6/2002	Northing:	1976694.54
Date Completed:	3/6/2002	Easting:	6106476.44

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT		
						ROAD BASE		
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low plasticity		
5		1	0.6			SILT: olive gray (5y 4/2), moist, 100% non plastic fines, trace fine subangular gravel (carbonate nodules)		5
		1	0.6	ML				
		1	0.8					
		1	0.7					
		1	0.7				▽	
10		1	0.3			CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low to medium plasticity, trace coarse angular gravel (carbonate nodules)		10
		1	0.4	ML/CL				
		1	0.4					
		1	0.6					
		1	0.7					
15		1	1.1	ML/CL		CLAYEY SILT: 80% fines with low plasticity, 20% fine sand, trace coarse gravel (carbonate nodules)		15
		1	0.7	SP		POORLY GRADED SAND WITH GRAVEL: oilve gray (5y 4/2), wet, 75% medium to coarse subrounded sand, 20% fine subrounded gravel, 5% non plastic silt	▼	
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW30A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/1/2002	Northing:	1976389.14516 est.
Date Completed:	3/1/2002	Easting:	6106464.08695 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines with low plasticity, some roots		
				CL		LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity, some roots		
5							▽	5
		1	0.6			LEAN CLAY: very dark gray (5y 5/1), moist, 100% fines with medium plasticity, some roots		
10		1	0.4					10
		1	0.9	CL				
		1	0.8				▼	
		1	0.5	ML/CL		CLAYEY SILT: gray (5y 5/1), wet, 90% fines with low plasticity, 10% fine sand		
		1	1.8			SILTY SAND: gray (5y 5/1), wet, 70% fine sand, 30% non plastic silt		
15		1	0.9	SM				15
		1	2.1	SP		POORLY GRADED SAND WITH SILT: gray (5y 5/1), wet, 70% fined to medium subangular to subrounded sand, 20% non plastic fines, 10% fine to coarse, subangular gravel		
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW31A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/1/2002	Northing:	1976098.39
Date Completed:	3/1/2002	Easting:	6106501.39

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML/CL		CLAYEY SILT: black (5y 2.5/1), moist, 100% fines withlow plasticity, trace roots		
						SILTY CLAY: dark gray (5y 3/1), moist, 100% fines with low to medium plasticity		
				CL/ML				
5		1	0.1					5
		1	0.5	CH		FAT CLAY: olive gray (5y 4/2), moist, 100% fines with high plasticity		
							▽	
		1	0			CLAYEY SILT: olive (5y 5/3), moist, 90% fines with low plasticity, 10% fine sand		
10		1	0.4	ML/CL				10
		1	0.4			SANDY SILT: olive (5y 5/3), wet, 70% non plastic fines, 30% fine sand	▼	
		1	0.5	ML				
				SM		SILTY SAND: olive (5y 5/3), wet, 60% medium to coarse subangular to subrounded sand, 40% non plastic fines, trace fine subangular to angular gravel		
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW32A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/28/2002	Northing:	1975798.49
Date Completed:	2/28/2002	Easting:	6106501.54

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				CL		LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity, trace shell fragments		
						SILTY CLAY: olive gray (5y 5/1), moist, 100% fines with medium plasticity, trace fine, subangular gravel at 6 ft bgs		5
5		1	1.2	CL/ML				
		1	1.3					
		1	1.2					
		1	1.4	CL/ML		SILT CLAY: as above		10
10		1	2.7	ML		SILT: oive gray (5y 5/1), wet, 80% non plastic fines, 20% fine sand		
		1	8.3			SILTY CLAY: black to olive gray (5y 2.5/1 to 5/1), moist, 95% fines withmedium plasticity, 5% coarse subangular to subrounded sand		
		1	3.1					
		1	1	CL/ML				
		1	2.9					
15		1	14.2			POORLY GRADED SAND: very dark gray borwn (10yr 3/2), wet, 85% medium to coarse, subangular to subrounded sand, 10% fine to coarse subangular to subrounded, gravel, 5% non plastic fines		15
		1	15	SP				
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

First Encountered Groundwater
Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW33A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/28/2002	Northing:	1975497.86
Date Completed:	2/28/2002	Easting:	6106452.42

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT		
						ROAD BASE		
						LEAN CLAY: black to dark gray (5y 2.5/1 to 4/1), moist, 100% fines with high plasticity		
5		1	0.9	CL				5
		1	0.7					
		1	0.8					
							▽	
		1	1.3			LEAN CLAY: AS ABOVE		
10		1	1.1	CL				10
		1	1.3			SILTY CLAY: olive gray (5y, 5/2), moist, 100% fines with medium plasticity, trace fine, angular gravel (carbonate nodules)		
		1	1.2					
		1	0.7					
		1	0.6	CL/ML				
15		1	1.2					15
		1	1.6				▼	
				SP		POORLY GRADED SAND: dark yellowish brown (10yr 4/6), wet, 70% medium to coarse subangular to subrounded sand, 20% fine, subrounded gravel, 10% non plastic fines		
20								20
25								25

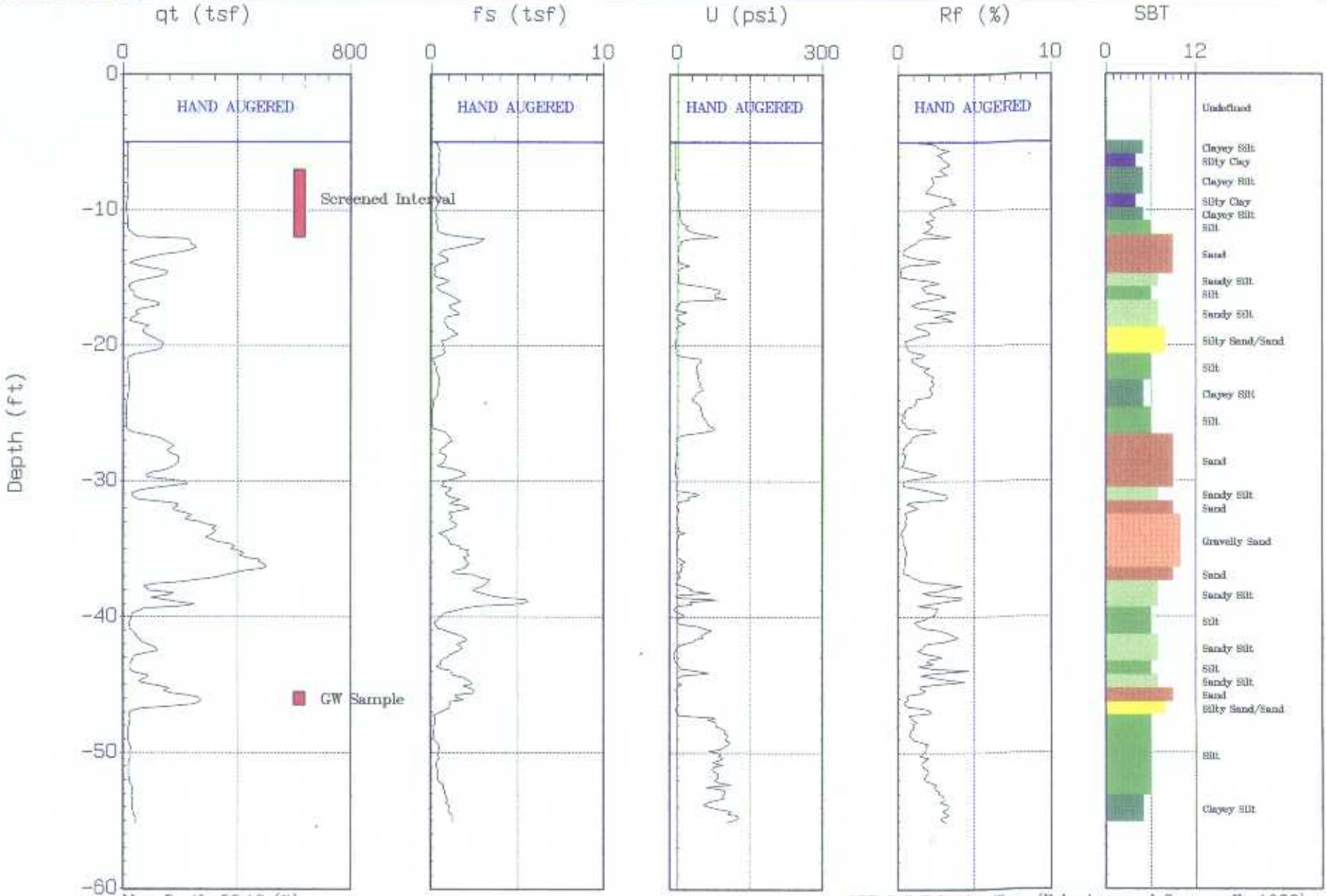
Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW33A

Engineer : JEFF OSLICK
Date : 02:27:02 15:04



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW34A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/28/2002	Northing:	1975240.39 est.
Date Completed:	2/28/2002	Easting:	6106422.23 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT ROAD BASE LEAN CLAY: black to dark olive gray (5y 2.5/1 to 3/1), moist, 100% fines with medium plasticity		
5		1	0.7	CL				5
		1	1.1					
		1	1.1			SILTY CLAY: very dark gray to black (5y 3/1 to 2.5/1), moist, 100% fines with low to medium plasticity, trace coarse subangular gravel, may size 1 inch		
		1	1.3	CL/ML				
		1	1.4					
10		1	1.1			POORLY GRADED SAND: dark olive gray (5y 3/1), wet, 80% medium to carse, subangular to subrounded sand, 15% fine, subangular to subrounded gravel, 5% non plastic fines		10
		1	1.3	SP				
		1	0.1	SM		SILTY SAND: very dark gray (5y 3/1), wet, 60% fine sand, 40% non plastic fines		
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

First Encountered Groundwater
Static Groundwater

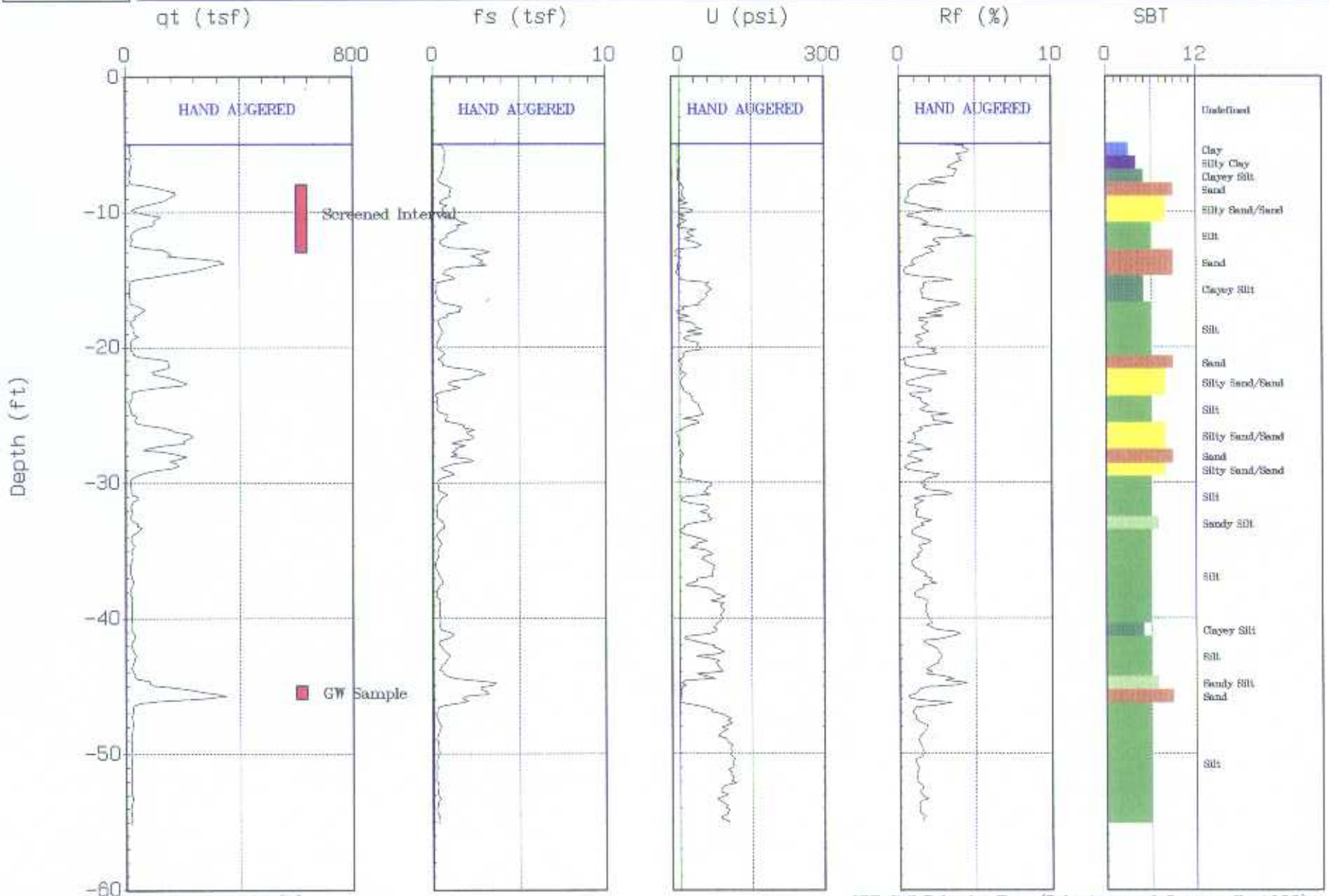
BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW34A

Engineer : JEFF OSLICK
Date : 02:28:02 10:35



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW35A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/6/2002	Northing:	1976947.24
Date Completed:	3/6/2002	Easting:	6106251.54

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: black (5y 2.5/1) to 1 ft bgs then gray to dark olive gray (5y 5/1 to 3/2), moist, 100% non plastic fines		
5		1	0					5
		1	0.5				▽	
		1	0.4					
		1	0.6			CLAYEY SILT: olive gray (5y 5/2), moist, 100% fines with low to medium plasticity, trace fine angular gravel (carbonate nodules)		
		1	0.1	ML/CL				
10		1	0.3					10
		.5	0.3					
	○							
		1	0.4			CLAYEY SILT: as above		
		1	0.2	ML/CL				
15		1	0.1				▼	15
		1	0.3	SM		SILTY SAND: olive gray (5y 5/2), wet, 70% fine to medium, subrounded sand, 30% non plastic fines		
				ML		SILT: olive gray (5y 4/2), wet, 80% non plastic fines, 20% fine sand		
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW36A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	16 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/6/2002	Northing:	1976606.38
Date Completed:	3/6/2002	Easting:	6106243.36

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: dark yellowish brown (10yr 3/4) to 1ft bgs then black (5y 2.5/1), moist, 100% non platic fines		
				CL		LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium plasticity		
5		1	0.2			SILT: dark gray to olive gray (5y 4/1 to 5/2), moist, 100% non plastic fines, trace fine subangular gravel (carbonate nodules)		5
		1	1					
		1	0.4	ML				
		1	0.1					
		1	0.3					
10		1	0.1			SILT WITH GRAVEL: olive gray (5y 5/2), moist, 70% non plastic fines, 20% fine subangular gravel (carbonate nodules and friable sandstone)		10
		1	0.2				▽	
		1	0	ML				
		1	0					
		1	0					
15		1	0			SANDY SILT: olive gray (5y 4/2), wet, 60% nonplastic fines, 40% fine sand	▼	15
		1	0	ML				
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW37A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/1/2002	Northing:	1976346.37
Date Completed:	3/1/2002	Easting:	6106171.93

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				CL/ML		SILTY CLAY: black to olive gray (5y 2.5/1 to 5/2), moist, 100% fines with low to medium plasticity, some roots		
5		1	1.2					5
		1	0.8					
10		1	1.1	CL		LEAN CLAY: dark gray (5y 4/1), moist, 100% fines with high plasticity, trace fine angular gravel (carbonate nodules), some roots		10
		1	1			SILTY CLAY: gray (5y 5/1), moist, 100% fines with medium plasticity, trace fine subangular gravel, some roots	▽	
		1	0.8					
		1	1.3					
		1	1.4	CL/ML				
15		1	1.4					15
		1	1				▼	
				SM		SILTY SAND: gray (5y 5/1), wet, 60% fine sand, 40% non plastic fines, trace roots		
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW38A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/1/2002	Northing:	1976076.48135 est.
Date Completed:	3/1/2002	Easting:	6106170.0528 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: very dark gray (5y 3/1), moist, 100% non plastic fines, some roots and root holes		
						SILTY CLAY: dark gray to olive (5y 4/1 to 5/4), moist, 100% fines with low to medium plasticity		
5		1	0.8					5
		1	0.5					
							▽	
		1	0.7	CL/ML				
10		1	1					10
		1	0.6					
		1	0.5					
		1	0.6					
15		1	0.5					15
		1	0.4					
20						Groundwater not observed during drilling		20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW39A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/27/2002	Northing:	1975789.41
Date Completed:	2/27/2002	Easting:	6106201.32

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				SM		SILTY SAND: dark yellowish brown (10yr 4/4), moist, 60% fine sand, 40% non plastic fines (fill material)		
						FAT CLAY: black (5y 2.5/1), moist, 100% fines with high plasticity		
5		1	1.3					5
		1	0.8	CH				
		1	0.3					
		1	0.5					
		1	1			SILT WITH SAND: very dark gray (5y 3/1), moist, 70% non plastic fines, 20% fine sand, 10% fine angular gravel		
10		1	0.3	ML				10
		1	0.6			POORLY GRADED SAND: dark yellowish brown (10yr 4/4), wet, 80% medium to coarse, subangular sand, 10% fine to coarse angular gravel, may size 1 inch, 10% non plastic fines	▼ ▽	
		1	0.7	SP				
		1	0.6					
		1	0.7			SANDY SILT: yellowish brown (10yr 5/4), wet, 80% non plastic fines, 20% fine sand		
15		1	0.6	ML				15
		1	0.6					
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW_CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW40A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/27/2002	Northing:	1975498.36
Date Completed:	2/27/2002	Easting:	6106214.9

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT		
						ROAD BASE		
				CH		FAT CLAY: black (5y 2.5/1), moist, 100% fines with high plasticity		
						CLAYEY SILT: olive (5y 5/2), moist, 100% fines with low plasticity		
5		1	1					5
		1	1.2					
		1	1.2	ML/CL				
		1	1.7					
		1	1.2					
10		1	1.6					10
		1	1.3			SILTY SAND WITH GRAVEL: olive (5y 5/4), moist, 40% fine to coarse, subangular sand, 30% fine subangular gravel, 30% non plastic		
		1	1.7				▽	
		1	1.2	SM				
		1	1.9				▼	
15		1	3.1			SILTY GRAVEL WITH SAND: olive (5y 5/4), wet, 50% fine subangular gravel, 40% fine to coarse, subangular sand, 10% non plastic fines		15
		1	3.2	GM				
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW41A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Orion Park Housing Area	Total Depth:	17 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	2/27/2002	Northing:	1975198.39
Date Completed:	2/27/2002	Easting:	6106201.52

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT		
						ROAD BASE		
				CH		FAT CLAY: black (5y 2.5/1), moist, 100% fines with high plasticity		
						LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity		
5		1	132					5
		1	61					
		1	9.2	CL				
		1	183					
10		1	2800					10
		1	3500			CLAYEY SILT: olive (5y 4/4), moist, 100% fines with low plasticity		
		1	2200	ML/CL				
		1	1400			SANDY SILT: olive (5y 4/4), moist, 70% non plastic fines, 30% fine sand		
		1	6.7	ML				
15		1	3.4			WELL GRADED SAND WITH SILT AND GRAVEL: olive (5y 4/4/), wet, 50% fine to coarse subangular sand, 40% fine to coarse, subangular to angular gravel, max size 2.5 inches, 10% non plastic fines		15
		1	3.2	SW-SM				
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

First Encountered Groundwater
Static Groundwater

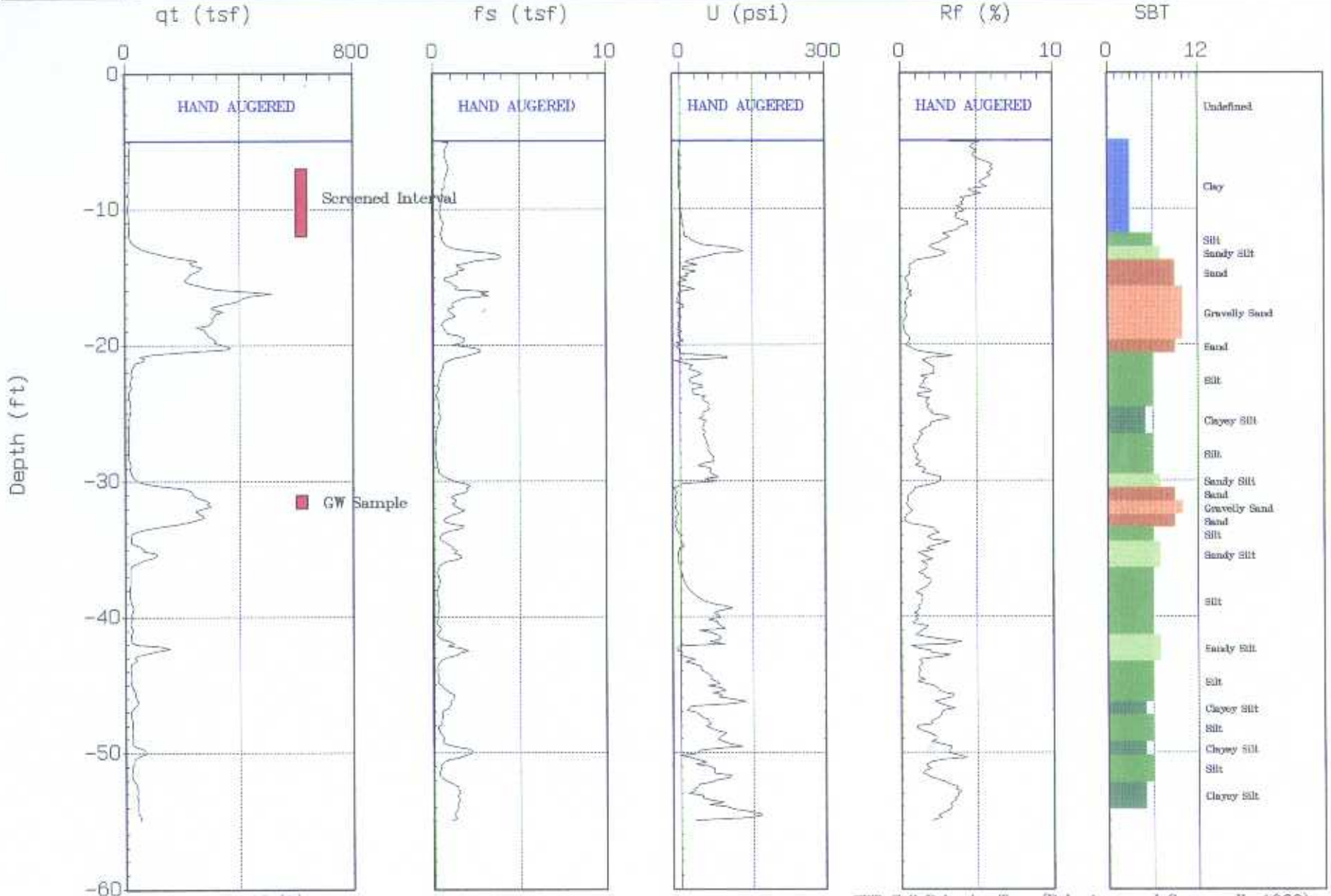
BORING_LOG_NEW CT033.GPJ PENDBOR.GPJ 4/12/02

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW41A

Engineer : JEFF OSLICK
Date : 02:26:02 14:49



Max. Depth: 54.95 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW57A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Wescoat Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/8/2002	Northing:	1975531.17 est.
Date Completed:	3/8/2002	Easting:	6107855.21989 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: black (5y 2.5/1), moist, 100% non plastic fines, some roots		
5		1	0	CL		LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity, some roots		5
		1	0					
		1	0					
		1	0					
		1	0					
10		1	0	SP		POORLY GRADED SAND WITH GRAVEL: dark gray (5y 4/1), wet, 80% medium to coarse subrounded sand, 15% fine, subrounded gravel, 5% non plastic fines		10
		1	0					
				GW		WELL GRADED GRAVEL WITH SAND: dark gray (5y 4/1), wet, 60% fine to coarse, subangular to subrounded gravel, 40% medium to coarse, subangular, subrounded sand		
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

First Encountered Groundwater
Static Groundwater

BORING_LOG_NEW_CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW58A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Wescoat Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/11/2002	Northing:	1975217.23
Date Completed:	3/11/2002	Easting:	6107848.92

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: black (5y 2.5/1), moist, 100% non plastic fines, roots		
				ML/CL		CLAYEY SILT: very dark gray (5y 3/1), moist, 100% fines with medium plasticity	▽	5
5		1	0.4					
		1	1.1			SILTY CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity		10
10		1	0.8	CL/ML			▼	
		1	0.8					
		1	0.9	ML/CL		CLAYEY SILT: olive gray (5y 3/3), wet, 100% fines with medium plasticity, trace fine sand		15
15								
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW59A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Wescoat Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/5/2002	Northing:	1974916.4
Date Completed:	3/5/2002	Easting:	6107825.26

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: very dark gray (5y 3/1), moist, 100% fines with no to low plasticity		
5		1	0.6	ML/CL		CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines of low to medium plasticity	▽	5
		1	1	CL		LEAN CLAY: very dark gray to black (5y 2.5/1 to 3/1), moist, 100% fines with high plasticity		
10		1	0.7					10
		1	0.7					
		1	0.4	ML/CL		CLAYEY SILT: olive (5y 4/4), moist, 100% fines with medium plasticity		
15								15
20								20
						Groundwater not observed during drilling		
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW60A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Wescoat Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/5/2002	Northing:	1974630.97
Date Completed:	3/5/2002	Easting:	6107826.87

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: black (5y 2.5/1), moist, 100% non plastic fines, some roots		
5		1	0.5	ML/CL		CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low plasticity		5
							▽	
		1	0.9	ML		SILT: black (5y 2.5/1), wet, 100% fines with low plasticity	▼	
10		1	0.7			FAT CLAY: black (5y, 2.5/1), moist, 100% fines with high plasticity		10
		1	1.1	CH				
		1	0.8					
15								15
20								20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

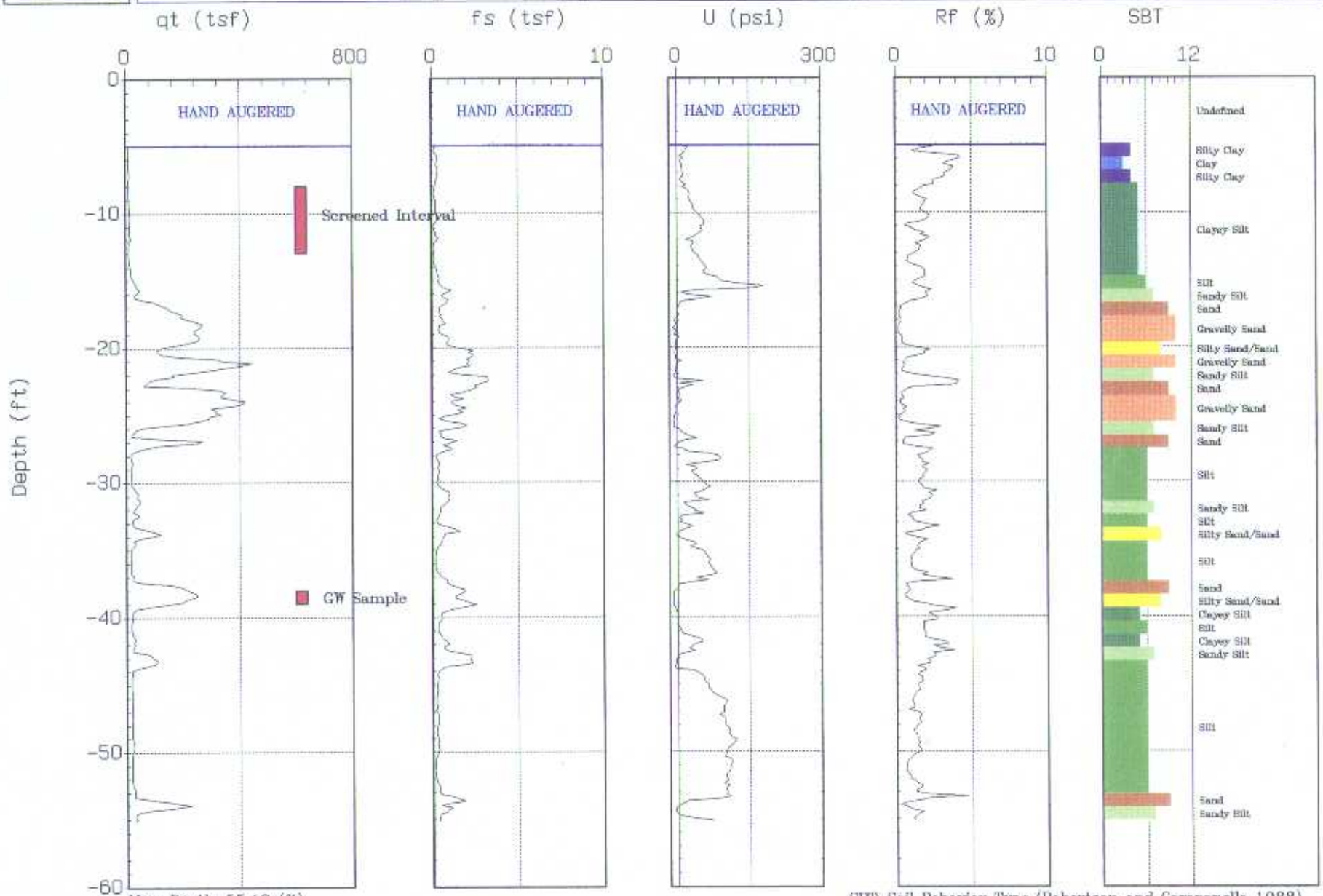
BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW60A

Engineer : JEFF OSLICK
Date : 02:28:02 13:13



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

FOSTER WHEELER
ENVIRONMENTAL CORPORATION

LOG OF BORING FW61A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Wescoat Housing Area	Total Depth:	14 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/8/2002	Northing:	1974965.18
Date Completed:	3/8/2002	Easting:	6107526.79

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
						ASPHALT ROADBASE CLAYEY SILT: very dark gray (5y 3/1), moist, 100% fines with low plasticity, some roots		
5		1	0	ML/CL			▽	5
		1	0					
		1	0					
		1	0					
		1	0					
10		1	0	ML		SILT: very dark gray (5y 3/1), moist, 100% non plastic fines		10
		1	0	ML/CL		CLAYEY SILT: gray (5y 5/1), moist, 100% fines with low plasticity		
15								15
20								20
						Groundwater not observed during drilling		
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

▼ First Encountered Groundwater
▽ Static Groundwater

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW62A

(Sheet 1 of 1)

Client:	SWDIV	Drilling Company:	Gregg Drilling
Project:	Orion Park Site Characterization	Drilling Method:	Direct Push
Project Number:	1990.033D	Sampling Method:	Direct Push
Location:	Wescoat Housing Area	Total Depth:	13 FT BGS
Geologist:	Larry Dudus, R.G., CH.G.	Borehole Diameter:	1.25"
Date Started:	3/8/2002	Northing:	1974610.65913 est.
Date Completed:	3/8/2002	Easting:	6107569.45395 est.

Depth (ft.)	Samples	Recovery (ft.)	Sample PID	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Water Level	Depth (ft.)
				ML		SILT: very dark gray (5y 3/1), moist, 100% fines with no to low plasticity		
5		1 1	0 0	CL/ML		SILTY CLAY: olive gray to dark gray (5y 5/2 to 4/1), moist, 100% fines with medium plasticity	▽	5
		1 1 1 1	0 0 0 0	ML/CL CL		CLAYEY SILT: dark gray (5y 3/1), moist, 100% fines with medium plasticity LEAN CLAY: black (5y 2.5/1), moist, 100% fines with medium to high plasticity		10
10								
15								15
20						Groundwater not observed during drilling		20
25								25

Notes: bgs = below ground surface
PID = Photoionization detector

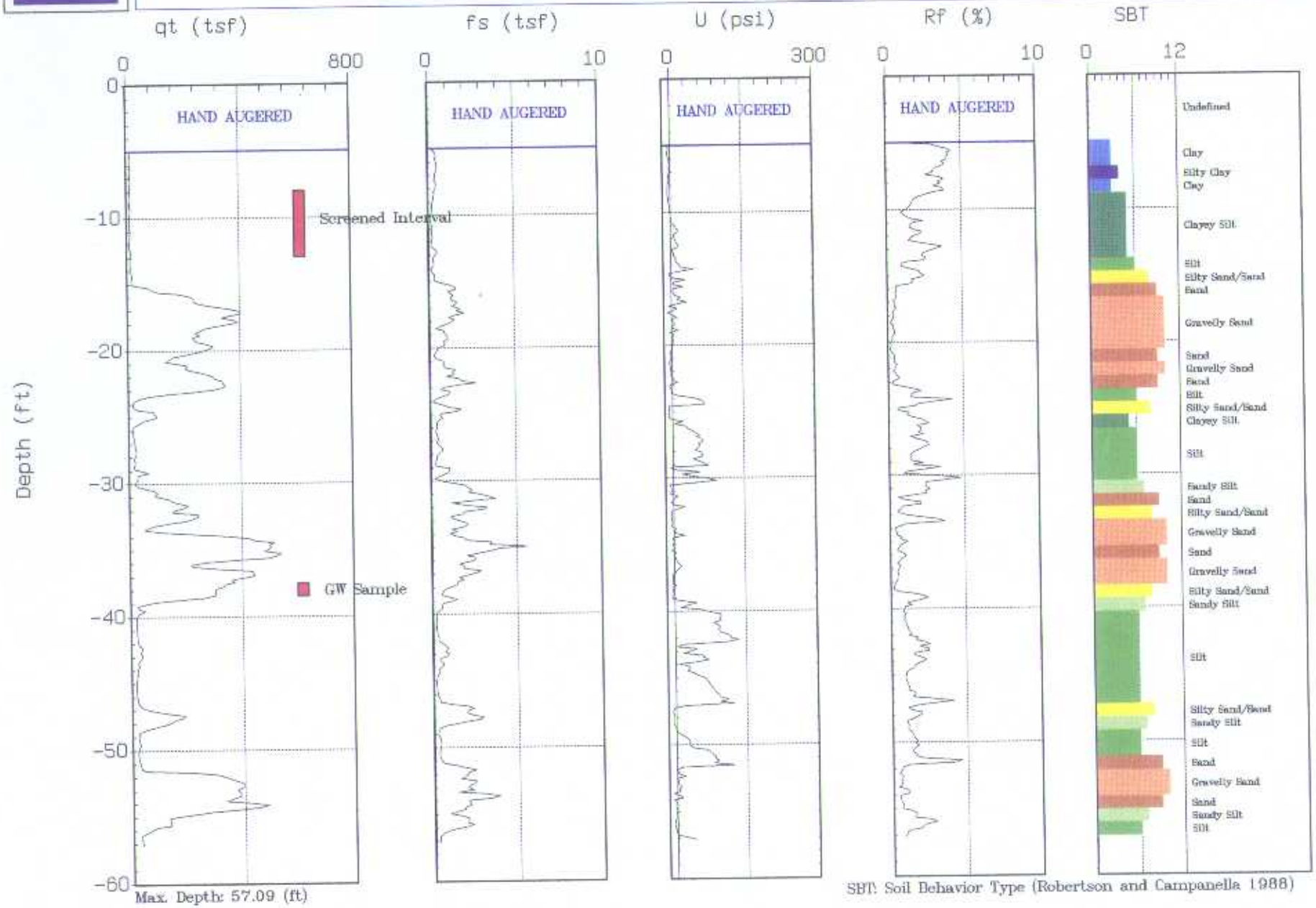
▼ First Encountered Groundwater
▽ Static Groundwater

BORING_LOG_NEW CTO33.GPJ PENDBOR.GPJ 4/12/02

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW62A

Engineer : JEFF OSLICK
Date : 03:01:02 12:52



Max. Depth: 57.09 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson and Campanella 1988)

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-131**	**0033-OR-129**	**0033-OR-142**	**0033-OR-143 (FD)**	**0033-OR-124**	**0033-OR-116**
Sample Location	**FW01A**	**FW02A**	**FW03A**	**FW03A**	**FW04A**	**FW05A**
Sample Date	**3/4/2002**	**3/4/2002**	**3/6/2002**	**3/6/2002**	**3/1/2002**	**2/28/2002**
Screen Interval (feet bgs)	**4-9**	**8-13**	**8-13**	**8-13**	**12-17**	**12-17**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5.4 U	**2.9 J**	**2.3 J**	**3.3 J**	**1.6 J**	5 U
BENZENE	0.5 U	**0.36 J**	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	**0.21 J**	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	**0.14 J**	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	**19 J***	**0.98 J**	5 U	5 U	**1.6 J**	**1.4 J**
trans-1,2-DICHLOROETHENE	**0.65 J**	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	**2.3**	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**68 ***	**1.5 J**	5 U	5 U	**15**	**6.3**
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENES	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-102**	**0033-OR-005**	**0033-OR-001**	**0033-OR-103**	**0033-OR-179**	**0033-OR-178**
Sample Location	**FW06A**	**FW06A**	**FW07A**	**FW07A**	**FW08A**	**FW09A**
Sample Date	**2/26/2002**	**2/27/2002**	**2/26/2002**	**2/26/2002**	**3/11/2002**	**3/11/2002**
Screen Interval (feet bgs)	**7-12**	**40-41**	**31-33**	**12-17**	**8-13**	**4-9**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	5 U	5 U	5 U
BENZENE	0.5 U	0.5 U	**0.13 J**	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	**0.1 J**	**0.17 J**	5 U	5 U	**0.08 J**
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	**0.81 J**	5 U
cis-1,2-DICHLOROETHENE	**6.1**	**8.5**	**6**	5 U	**65 ***	**64 ***
trans-1,2-DICHLOROETHENE	**0.48 J**	**1.1 J**	**1 J**	5 U	**5.4**	**2.1 J**
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	**0.31 J**	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**30 ***	**140 ***	**160 ***	5 U	**86 ***	**120 ***
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U
XYLENES	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-128**	**0033-OR-126**	**0033-OR-127 (FD)**	**0033-OR-125**	**0033-OR-117**	**0033-OR-133**
Sample Location	**FW10A**	**FW11A**	**FW11A**	**FW12A**	**FW13A**	**FW14A**
Sample Date	**3/4/2002**	**3/4/2002**	**3/4/2002**	**3/1/2002**	**2/28/2002**	**3/4/2002**
Screen Interval (feet bgs)	**6-11**	**9-14**	**9-14**	**12-17**	**12-17**	**12-17**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	**3.6 J**	**3.4 J**	**4 J**	5 U	5 U
BENZENE	0.5 U	**0.16 J**	**0.14 J**	0.5 U	**0.18 J**	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	**0.098 J**	5 U	**0.073 J**	5 U	**0.074 J**	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	**0.13 J**	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	**8.2**	**10**	**10**	5 U	**5.4**	5 U
trans-1,2-DICHLOROETHENE	**0.66 J**	**0.86 J**	**0.83 J**	5 U	**0.45 J**	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	**0.58 J**	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.16 J**	0.5 U	0.5 U	**0.18 J**	0.5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**99 ***	**77 ***	**78 ***	5 U	**53 ***	5 U
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENES	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-004**	**0033-OR-105**	**0033-OR-158**	**0033-OR-132**	**0033-OR-149**	**0033-OR-150 (FD)**
Sample Location	**FW15A**	**FW15A**	**FW16A**	**FW17A**	**FW18A**	**FW18A**
Sample Date	**2/27/2002**	**2/27/2002**	**3/7/2002**	**3/4/2002**	**3/7/2002**	**3/7/2002**
Screen Interval (feet bgs)	**33-34**	**8-13**	**8-13**	**12-17**	**8-13**	**8-13**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	**2 J**	5 U	5 U
BENZENE	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	**1.3 J**
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	**0.18 J**	**0.2 J**
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	**0.58 J**	**0.66 J**
cis-1,2-DICHLOROETHENE	**1.9 J**	5 U	**0.32 J**	**22 ***	**110 ***	**120 ***
trans-1,2-DICHLOROETHENE	5 U	5 U	5 U	**0.42 J**	**4.6 J**	**5.1**
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	**0.48 J**	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.22 J**	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**0.64 J**	5 U	5 U	**2.3 J**	**150 ***	**150 ***
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	**1.8**	**1.9**
XYLENES	1.5 U	**3.5**	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-177**	**0033-OR-155**	**0033-OR-156**	**0033-OR-157 (FD)**	**0033-OR-118**	**0033-OR-112**
Sample Location	**FW19A**	**FW20A**	**FW21A**	**FW21A**	**FW22A**	**FW23A**
Sample Date	**3/11/2002**	**3/7/2002**	**3/7/2002**	**3/7/2002**	**2/28/2002**	**2/28/2002**
Screen Interval (feet bgs)	**4-9**	**6-11**	**8-13**	**8-13**	**8-13**	**8-13**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5.7 U	7.1 U	5 U	5 U	5 U	5 U
BENZENE	**0.14 J**	**0.32 J**	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	**1 J**	**1.2 J**	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	**0.13 J**	**0.2 J**	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	**0.15 J**	**0.15 J**	**0.16 J**	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	**49 J***	**56 ***	**0.47 J**	**0.43 J**	5 U	5 U
trans-1,2-DICHLOROETHENE	**2.2 J**	**2.3 J**	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.44 J**	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**140 ***	**150 ***	5 U	5 U	5 U	5 U
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENES	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-007**	**0033-OR-104**	**0033-OR-154**	**0033-OR-152**	**0033-OR-151**	**0033-OR-145**
Sample Location	**FW24A**	**FW24A**	**FW25A**	**FW26A**	**FW27A**	**FW28A**
Sample Date	**2/27/2002**	**2/27/2002**	**3/7/2002**	**3/7/2002**	**3/7/2002**	**3/6/2002**
Screen Interval (feet bgs)	**34.5-35.5**	**12-17**	**12-17**	**12-17**	**11-16**	**12-17**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	5 U	5 U	**2.1 J**
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	**0.22 J**	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	**0.34 J**	5 U	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	5 U	**54 ***	5 U	5 U	5 U	5 U
trans-1,2-DICHLOROETHENE	5 U	**1.5 J**	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	**2.3**	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	0.5 U	**0.16 J**	0.5 U	0.5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 U	**7.4**	5 U	5 U	5 U	5 U
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	**0.23 J**	**0.37 J**	0.5 U	0.5 U	0.5 U	**0.39 J**
XYLENES	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-148**	**0033-OR-122**	**0033-OR-119**	**0033-OR-114**	**0033-OR-008**	**0033-OR-111**
Sample Location	**FW29A**	**FW30A**	**FW31A**	**FW32A**	**FW33A**	**FW33A**
Sample Date	**3/6/2002**	**3/1/2002**	**3/1/2002**	**2/28/2002**	**2/27/2002**	**2/28/2002**
Screen Interval (feet bgs)	**12-17**	**17-Dec**	**13-Aug**	**17-Dec**	**45.5-46.5**	**17-Dec**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	**4.8 J**	5 U	5 U	5 U
BENZENE	0.5 U	**0.16 J**	**0.99**	**0.41 J**	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	**0.14 J**	**0.11 J**	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	**0.15 J**	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	**0.48 J**	**0.54 J**	**0.28 J**	**0.86 J**	5 U	**0.37 J**
cis-1,2-DICHLOROETHENE	**59 ***	**110 ***	**29 ***	**110 ***	**3.7 J**	**93 ***
trans-1,2-DICHLOROETHENE	**2.4 J**	**6.3**	**1.8 J**	**5.7**	5 U	**3.3 J**
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	**0.21 J**	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	**2.4**	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	**0.19 J**	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.17 J**	**1**	**0.39 J**	0.5 U	**0.34 J**
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**34 ***	**320 ***	**57 ***	**120 ***	**68 ***	**91 ***
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	**0.26 J**	**0.26 J**	0.5 U	**0.57**	0.5 U	**0.16 J**
XYLENES	1.5 U	1.5 U	**0.56 J**	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-009**	**0033-OR-010 (FD)**	**0033-OR-115**	**0033-OR-144**	**0033-OR-146**	**0033-OR-121**
Sample Location	**FW34A**	**FW34A**	**FW34A**	**FW35A**	**FW36A**	**FW37A**
Sample Date	**2/28/2002**	**2/28/2002**	**2/28/2002**	**3/6/2002**	**3/6/2002**	**3/1/2002**
Screen Interval (feet bgs)	**45-46**	**45-46**	**13-Aug**	**17-Dec**	**16-Nov**	**17-Dec**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	**2.4 J**	5 U	5 U
BENZENE	0.5 U	0.5 U	**0.14 J**	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	**0.3 J**	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	**0.072 J**	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	**0.13 J**	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	**0.12 J**
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	**0.51 J**	5 U	5 U
cis-1,2-DICHLOROETHENE	**1.7 J**	**1.7 J**	**24 ***	**21 J***	5 U	**2.6 J**
trans-1,2-DICHLOROETHENE	5 U	5 U	**0.51 J**	**1.2 J**	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	**0.6 J**
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**170 ***	**160 ***	**20 ***	**350 ***	5 U	**5.7**
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.15 J**
XYLENES	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-120**	**0033-OR-109**	**0033-OR-110 (FD)**	**0033-OR-108**	**0033-OR-003**	**0033-OR-106**
Sample Location	**FW38A**	**FW39A**	**FW39A**	**FW40A**	**FW41A**	**FW41A**
Sample Date	**3/1/2002**	**2/27/2002**	**2/27/2002**	**2/27/2002**	**2/26/2002**	**2/27/2002**
Screen Interval (feet bgs)	**17-Dec**	**17-Dec**	**17-Dec**	**17-Dec**	**31-32**	**17-Dec**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	5 U	5 U	**4 J**
BENZENE	0.5 U	**0.58**	**0.54**	0.5 U	0.5 U	**0.17 J**
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	**1.2 J**	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	**0.13 J**	**0.24 J**	**0.26 J**	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	**0.26 J**	5 U	5 U	**0.46 J**	**4 J**	**0.77 J**
cis-1,2-DICHLOROETHENE	**14**	**3.7 J**	**3.1 J**	**44 ***	**470 ***	**150 ***
trans-1,2-DICHLOROETHENE	**1.5 J**	**0.39 J**	**0.35 J**	**4.9 J**	**32 J***	**8.2**
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.47 J**	**0.43 J**	0.5 U	**0.2 J**	**0.17 J**
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**14**	**3.8 J**	**3 J**	**63 ***	**410 ***	**210 ***
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	**2.6**	**0.59**
XYLENES	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-164**	**0033-OR-176**	**0033-OR-137**	**0033-OR-012**	**0033-OR-136**	**0033-OR-168**
Sample Location	**FW57A**	**FW58A**	**FW59A**	**FW60A**	**FW60A**	**FW61A**
Sample Date	**3/8/2002**	**3/11/2002**	**3/5/2002**	**2/28/2002**	**3/5/2002**	**3/8/2002**
Screen Interval (feet bgs)	**13-Aug**	**13-Aug**	**13-Aug**	**38-39**	**13-Aug**	**14-Sep**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**3.2 J**	5 U	**4 J**	5 U	5 U	**28**
BENZENE	0.5 U	**0.66**	**0.67**	0.5 U	**0.38 J**	**0.15 J**
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	**0.14 J**	5 U	5 U	**0.11 J**	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.66**	**0.77**	0.5 U	**0.41 J**	0.5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**1.2 J**	5 U	5 U	5 U	5 U	5 U
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENES	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-019**	**0033-OR-159**
Sample Location	**FW62A**	**FW62A**
Sample Date	**3/1/2002**	**3/8/2002**
Screen Interval (feet bgs)	**37.5-38.5**	**13-Aug**
Analyte		
VOCs (EPA Method 8260B) (µg/L)		
ACETONE	**1.2 J**	5 U
BENZENE	0.5 U	**0.65**
BROMODICHLOROMETHANE	5 U	5 U
BROMOFORM	5 U	5 U
BROMOMETHANE	5 U	5 U
2-BUTANONE	5 U	**1.4 J**
CARBON TETRACHLORIDE	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U
CHLOROETHANE	5 U	5 U
CHLOROFORM	**0.78 J**	5 U
CHLOROMETHANE	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U
cis-1,2-DICHLOROETHENE	**2.7 J**	5 U
trans-1,2-DICHLOROETHENE	**0.46 J**	5 U
1,2-DICHLOROPROPANE	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	**0.16 J**
2-HEXANONE	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U
STYRENE	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U
TETRACHLOROETHENE	**0.32 J**	5 U
TOLUENE	0.5 U	**0.62**
1,1,1-TRICHLOROETHANE	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U
TRICHLOROETHENE	**19**	5 U
VINYL ACETATE	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U
XYLENES	1.5 U	1.5 U

TABLE A.1-1

PHASE 1 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Notes:
Bold – indicates value above method detection limit

Abbreviations and Acronyms:

* – value is reported from dilution
µg/L – microgram per liter
bgs – ibelow ground surface
EPA – U.S. Environmental Protection Agency
FD – field duplicate
J – estimated value
OPHA – Orion Park Housing Area
U – not detected at or above the laboratory reporting limit (value indicates the reporting limit)
VOC – volatile organic compound

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW03B

(Sheet 1 of 1)

Client: SWDIV	Drilling Company: Vironex
Project: MCH Site Characterization	Drilling Method: Direct Push
Project Number: 1990.033D	Sampling Method: Direct Push
Location: Orion Park Housing Area (808A)	Borehole Diameter: 1.25'
Geologist: Larry Dudus, R.G., CH.G.	Northing: 1975215.67
Date Started: August 28, 2002	Easting: 6106441.11
Date Completed: August 28, 2002	Ground Surface Elevation: 33.42
Total Depth: 20.0 Feet bgs	

Depth (ft.)	Samples	Sample Number	Time	Recovery	Sample PID	Water Level	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Depth (ft.)
							CL		LEAN CLAY: gray (5y 5/1) dry, 100% fines with medium plasticity	
					0.0					
5	■	0033-OR-213A	1615	0.5	0.0				LEAN CLAY: olive gray to black (5y 3/1 to 2.5/1) moist, 100% fines with medium plasticity	5
					0.0					
					0.0		CL			
					0.0					
					0.0					
10					0.0	▽				10
					0.0		CL/ML		SILTY CLAY: olive gray, (5y 4/2), moist, 100% fines with low plasticity trace gravel	
	■	0033-OR-214A	1620	0.5	0.0					
					0.0					
					1.3					15
15	■	0033-OR-215A	1630	0.5	1.6		ML/CL		CLAYEY SILT: olive gray (5y 4/2), moist, 100% fines with low plasticity	
					2.3					
					2.1					
					1.5					
					1.7	▼			WELL GRADED SAND WITH SILTY GRAVEL: olive gray (5y 4/1), wet, 70% fine to coarse sand, 20% gravel to 3/4 inch, 10% silt	20
20										
									Water Temp 20.3 °C	

Notes: bgs = below ground surface

▼ = First Observed Groundwater

▽ = Groundwater Level at Time of Sampling

SOIL LOG CTO33.GPJ FSTRW_SA.GDT 11/5/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW04B

(Sheet 1 of 1)

Client: SWDIV	Drilling Company: Vironex
Project: MCH Site Characterization	Drilling Method: Direct Push
Project Number: 1990.033D	Sampling Method: Direct Push
Location: Orion Park Housing Area (819D)	Borehole Diameter: 1.25'
Geologist: Larry Dudus, R.G., CH.G.	Northing: 1976485.7
Date Started: August 29, 2002	Easting: 6106462.17
Date Completed: August 29, 2002	Ground Surface Elevation: 25.97
Total Depth: 15.0 Feet bgs	

Depth (ft.)	Samples	Sample Number	Time	Recovery	Sample PID	Water Level	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Depth (ft.)
							ML		SILT: olive (5y 4/3), moist, 95% fines with plasticity, 5% medium to coarse sand	
5	[redacted]	0033-OR-222A	0919	0.5	0.0 0.0 0.0 0.0		CL		LEAN CLAY: black (5y 2.5/1) moist, 100% fines with medium plasticity, trace calcarious nodules, angular	5
10					0.0 0.0 1.6 2.3 0.4 0.0	▽ ▼	SP SP		POORLY GRADED SAND WITH GRAVEL: olive (5 1/4/3) 80% medium to coarse, sub angular, sand; 15% subangular gravel to 3/4 inches, 5% non plastic fines POORLY GRADED SAND WITH SILT: gray (5y 5/1) wet, 70% fine to medium subangular to subrounded sand; 20% non plastic fines; 10% fine to coarse subangular gravel.	10
15										15
20									Water Temp 18.7 C	20

Notes: bgs = below ground surface

▼ = First Observed Groundwater

▽ = Groundwater Level at Time of Sampling

SOIL LOG CTO33.GPJ FSTRW_SA.GDT 11/5/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW05B

(Sheet 1 of 1)

Client: SWDIV	Drilling Company: Vironex
Project: MCH Site Characterization	Drilling Method: Direct Push
Project Number: 1990.033D	Sampling Method: Direct Push
Location: Orion Park Housing Area (720D)	Borehole Diameter: 1.25'
Geologist: Larry Dudus, R.G., CH.G.	Northing: 1977055.99
Date Started: August 29, 2002	Easting: 6106320.13
Date Completed: August 29, 2002	Ground Surface Elevation: 21.44
Total Depth: 15.0 Feet bgs	

Depth (ft.)	Samples	Sample Number	Time	Recovery	Sample PID	Water Level	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Depth (ft.)
							ML		SILT: black (5y 2.5/1) moist 100% non plastic fines	
5					0.0					5
	[redacted]	0033-OR-227A	1155	0.5	0.0		ML/CL		CLAYEY SILT: olive gray (5y 4/2) moist 100% fines with low plasticity, trace calcarious nodules to 1/2 inch.	
					0.0					
					0.0					
					0.0	▽				
10					0.0	▼				10
					0.0		SM		SILTY SAND: olive gray (5y 4/2) wet, 60% fine sand, 40% non plastic fines, trace subrounded gravel to 1/2" at 14ft	
					0.0					
					0.0					
15					0.0					15
20									Water Temp 20.5 °C	20

Notes: bgs = below ground surface

▼ = First Observed Groundwater

▽ = Groundwater Level at Time of Sampling

SOIL LOG CTO33.GPJ FSTRW_SA.GDT 11/5/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW06B

(Sheet 1 of 1)

Client: SWDIV	Drilling Company: Vironex
Project: MCH Site Characterization	Drilling Method: Direct Push
Project Number: 1990.033D	Sampling Method: Direct Push
Location: Orion Park Housing Area (703G)	Borehole Diameter: 1.25'
Geologist: Larry Dudus, R.G., CH.G.	Northing: 1977376.84
Date Started: August 29, 2002	Easting: 6107172.82
Date Completed: August 29, 2002	Ground Surface Elevation: 20.37
Total Depth: 15.0 Feet bgs	

Depth (ft.)	Samples	Sample Number	Time	Recovery	Sample PID	Water Level	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Depth (ft.)
							ML/CL		CLAYEY SILT: black (5y 2.5/1) moist, 100% fines with low plasticity	
5					0.0		CL		LEAN CLAY: black (5y 2.5/1) 100% fines with medium plasticity; trace subrounded gravel to 3/4 inches	5
	■	0033-OR-230A	1446	0.5	0.0					
					0.0					
	■	0033-OR-231A	1448	0.5	0.0		ML/CL		CLAYEY SILT WITH SAND: olive gray (5y 5/2) moist, 85% fines with low plasticity; 15% medium to course subangular sand, trace roots and calcarious nodules	
10					0.0	▽				10
					0.0					
					0.0					
					0.0					
					0.0	▼				
15					0.0		SM		SILTY SAND: olive brown (2.5y 4/3) wet 80% fine sand; 20% non plastic fines	15
20									Water Temp 21.5 C	20

Notes: bgs = below ground surface

▼ = First Observed Groundwater

▽ = Groundwater Level at Time of Sampling

SOIL LOG CTO33.GPJ FSTRW_SA.GDT 11/5/02

FOSTER WHEELER ENVIRONMENTAL CORPORATION

LOG OF BORING FW07B

(Sheet 1 of 1)

Client: SWDIV	Drilling Company: Vironex
Project: MCH Site Characterization	Drilling Method: Direct Push
Project Number: 1990.033D	Sampling Method: Direct Push
Location: Orion Park Housing Area (705F)	Borehole Diameter: 1.25'
Geologist: Larry Dudus, R.G., CH.G.	Northing: 1977923.81
Date Started: August 30, 2002	Easting: 6106373.41
Date Completed: August 30, 2002	Ground Surface Elevation: 18.17
Total Depth: 15.0 Feet bgs	

Depth (ft.)	Samples	Sample Number	Time	Recovery	Sample PID	Water Level	USCS	Graphic Log	LITHOLOGIC DESCRIPTION	Depth (ft.)
							ML		SILT: dark yellowish brown (10 yr 3/4), moist, 100% non plastic fines. trace subrounded gravel to 1/2 inches	
							CL/ML		SILTY CLAY: black (5y 2.5 5/1) moist, 100% fines with low plasticity. trace roots	5
5					0.0					
					0.0					
	■	0033-OR-234A	0825	0.5	0.0					
					0.0					
					0.0	▽			FAT CLAY: olive (5y 4/4) moist, 100% fines with high plasticity.	10
10					0.0					
					0.0					
	■	0033-OR-236A	0836	0.5	0.0		CH			
					0.0					
					0.0					15
15					0.0					
										20
20									Groundwater not observed during drilling	
									Water Temp 20.6 °C	

Notes: bgs = below ground surface

▼ = First Observed Groundwater

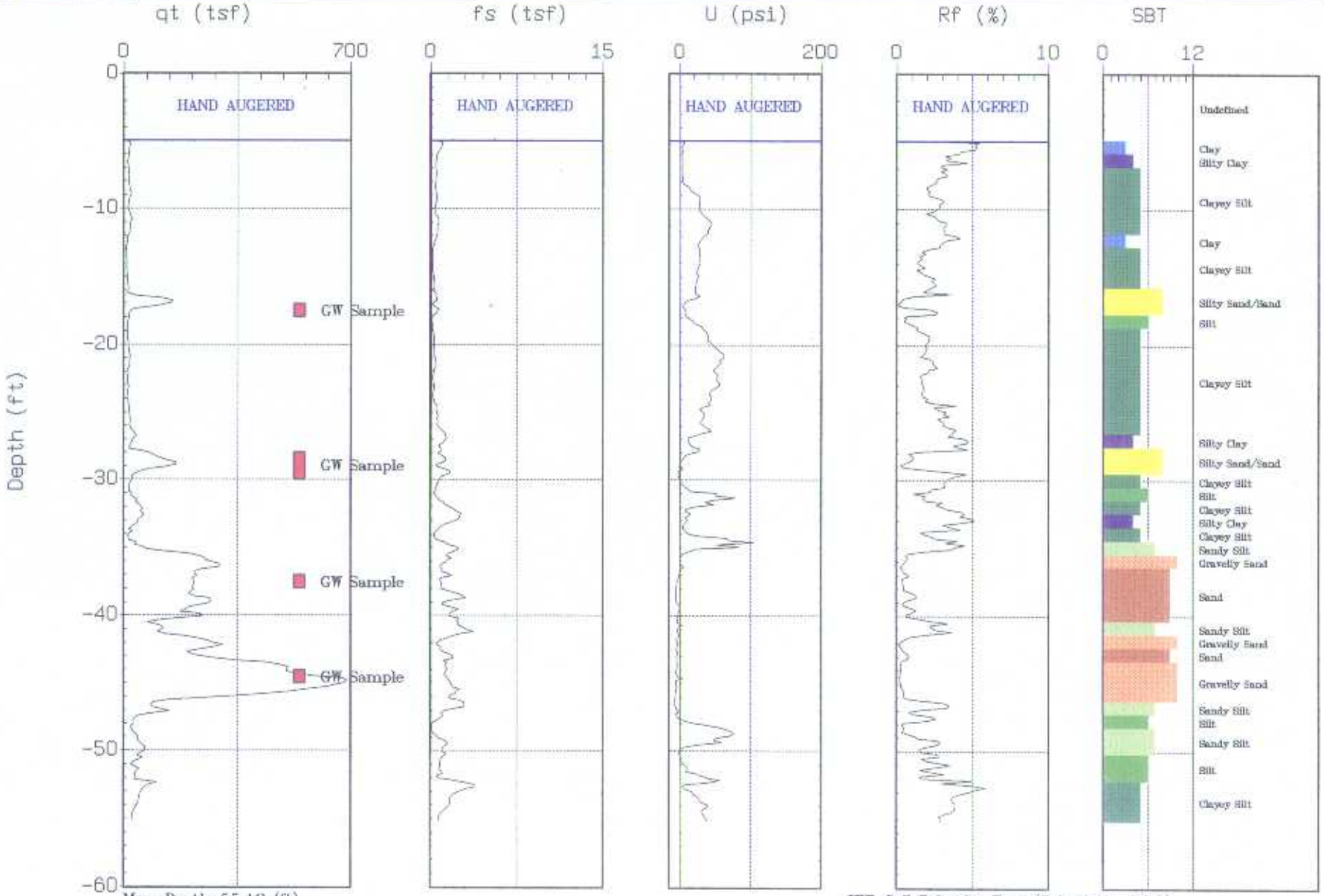
▽ = Groundwater Level at Time of Sampling

SOIL LOG CTO33.GPJ FSTRW_SA.GDT 11/5/02

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW08B

Geologist : L. DUDUS
Date : 09:10:02 12:42



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

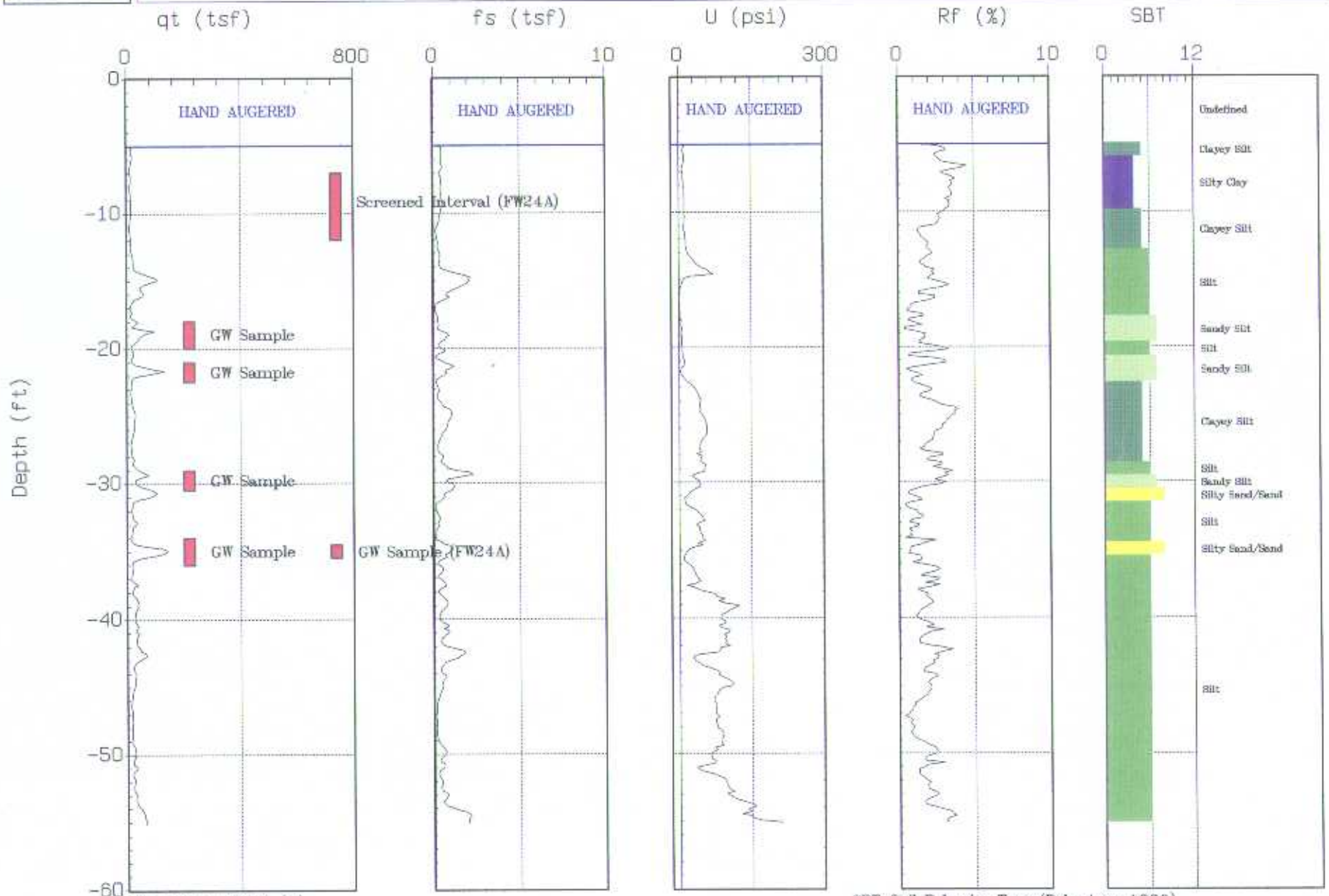
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW24A/FW09B

Engineer : JEFF OSLICK
Date : 02:27:02 13:02



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

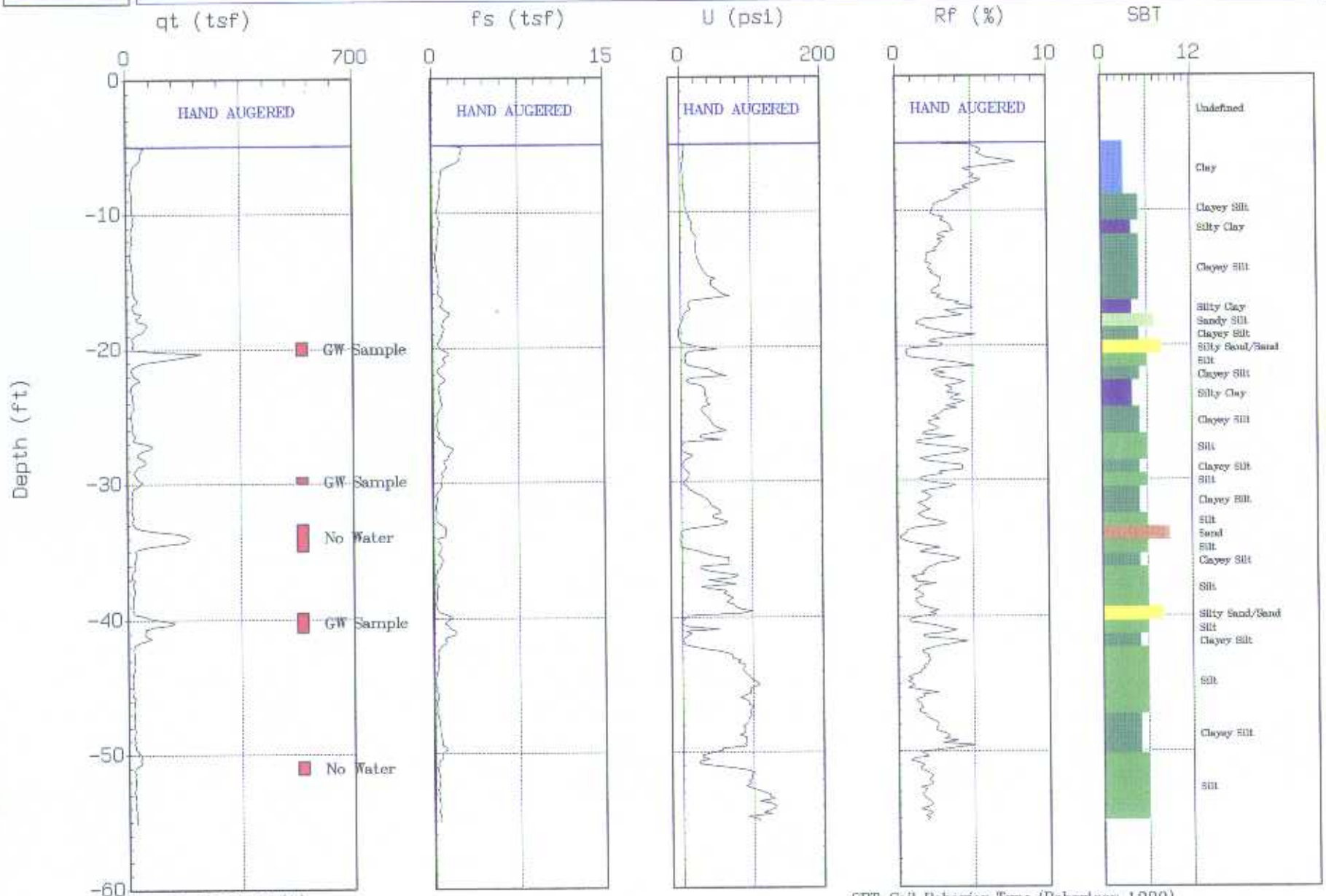
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW10B

Geologist : L. DUDUS
Date : 09:11:02 11:41



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

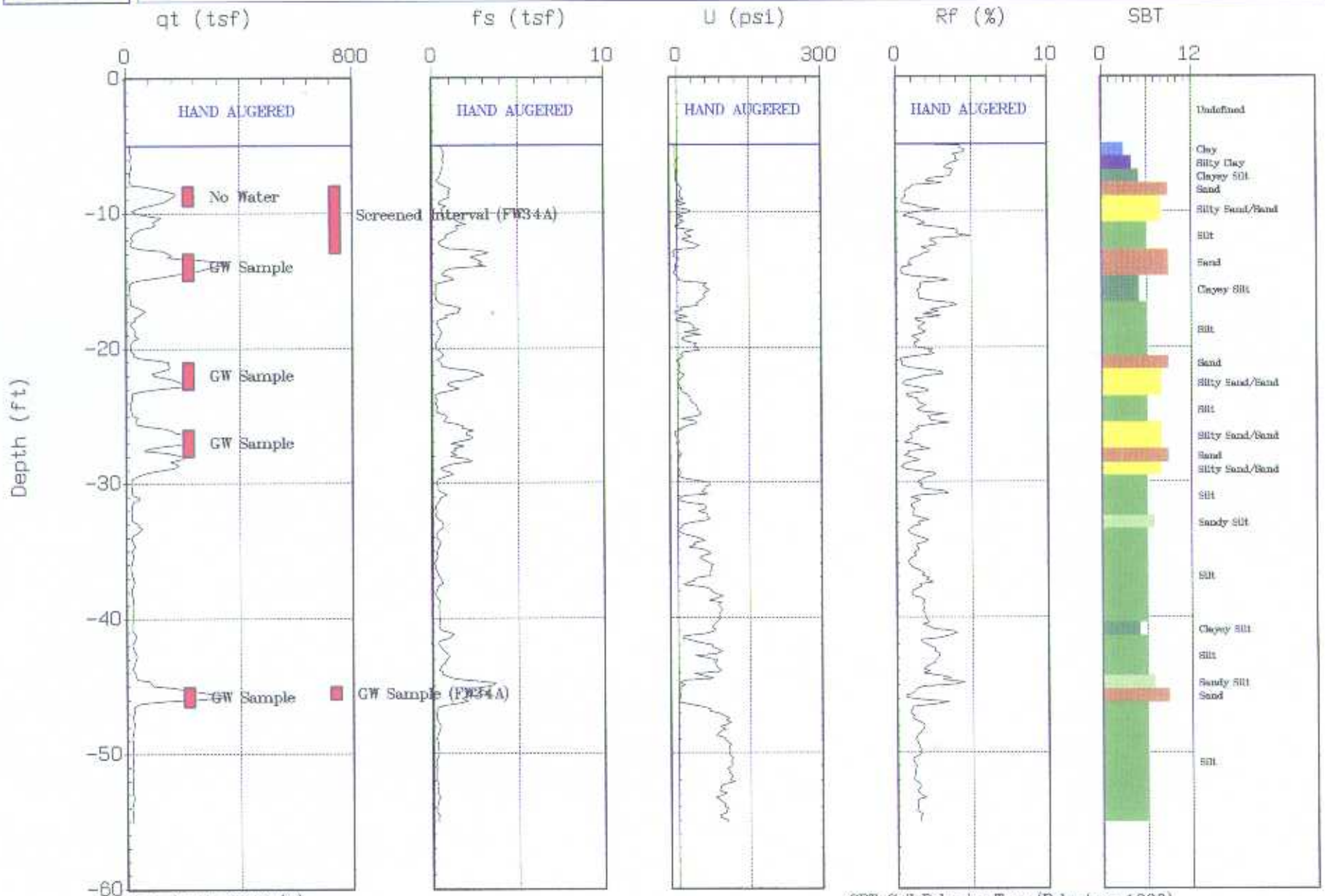
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW34A/FW11B

Engineer : JEFF OSLICK
Date : 02:28:02 10:35



Max. Depth: 55.12 (ft)

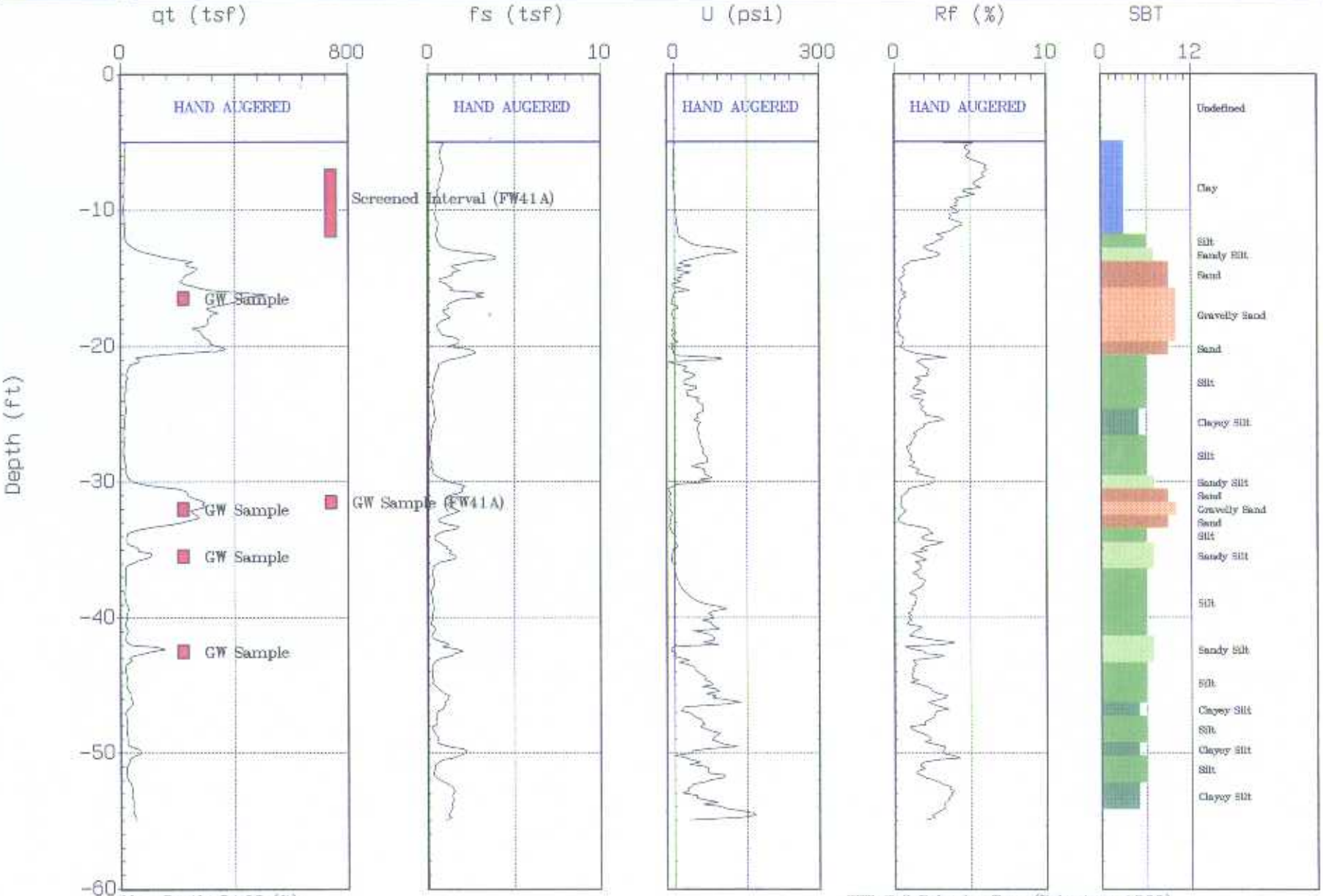
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW41A/FW12B

Engineer : JEFF OSLICK
Date : 02:26:02 14:49



Max. Depth: 54.95 (ft)

Depth Inc.: 0.164 (ft)

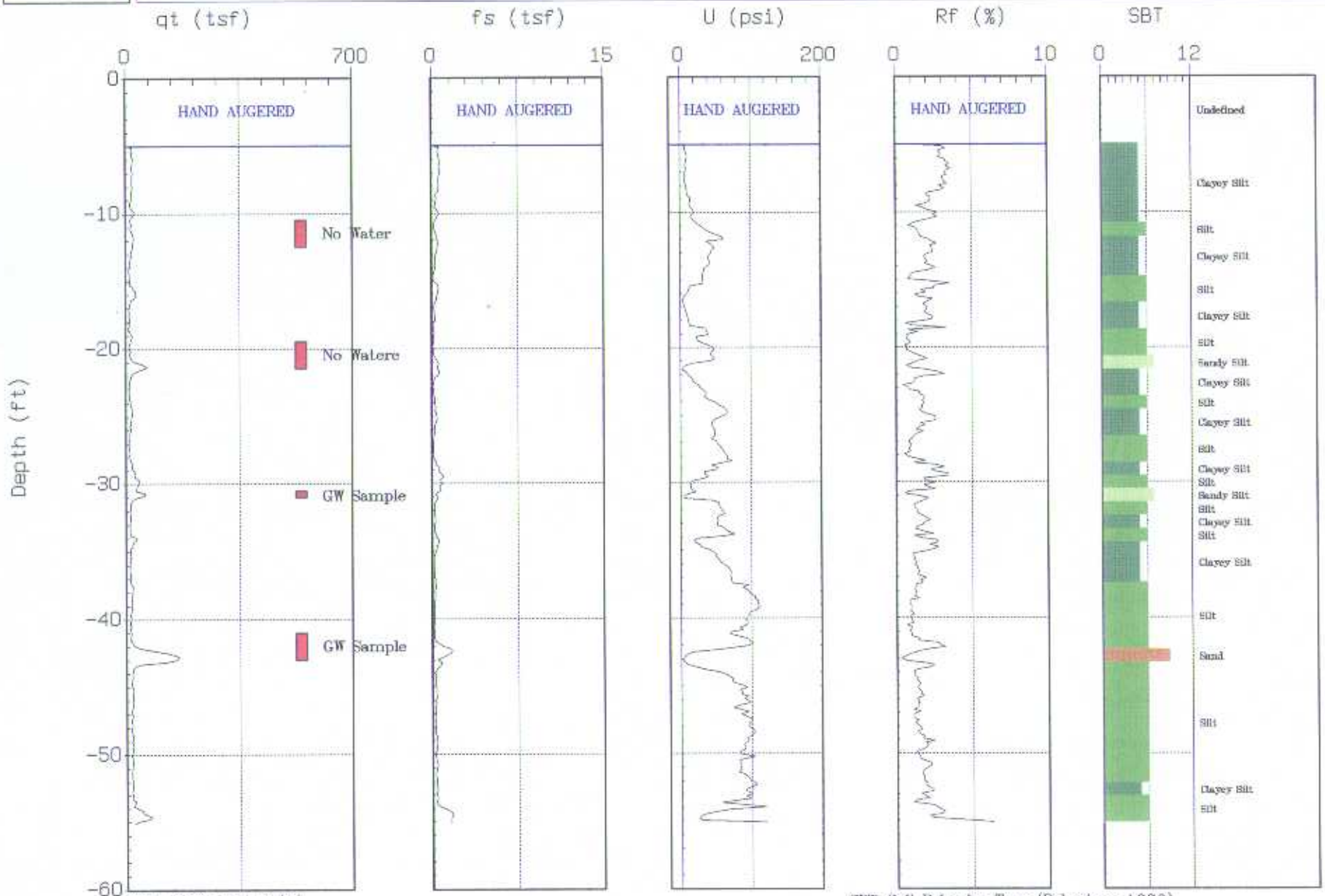
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW13B

Geologist : L. DUDUS
Date : 09:10:02 08:05



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

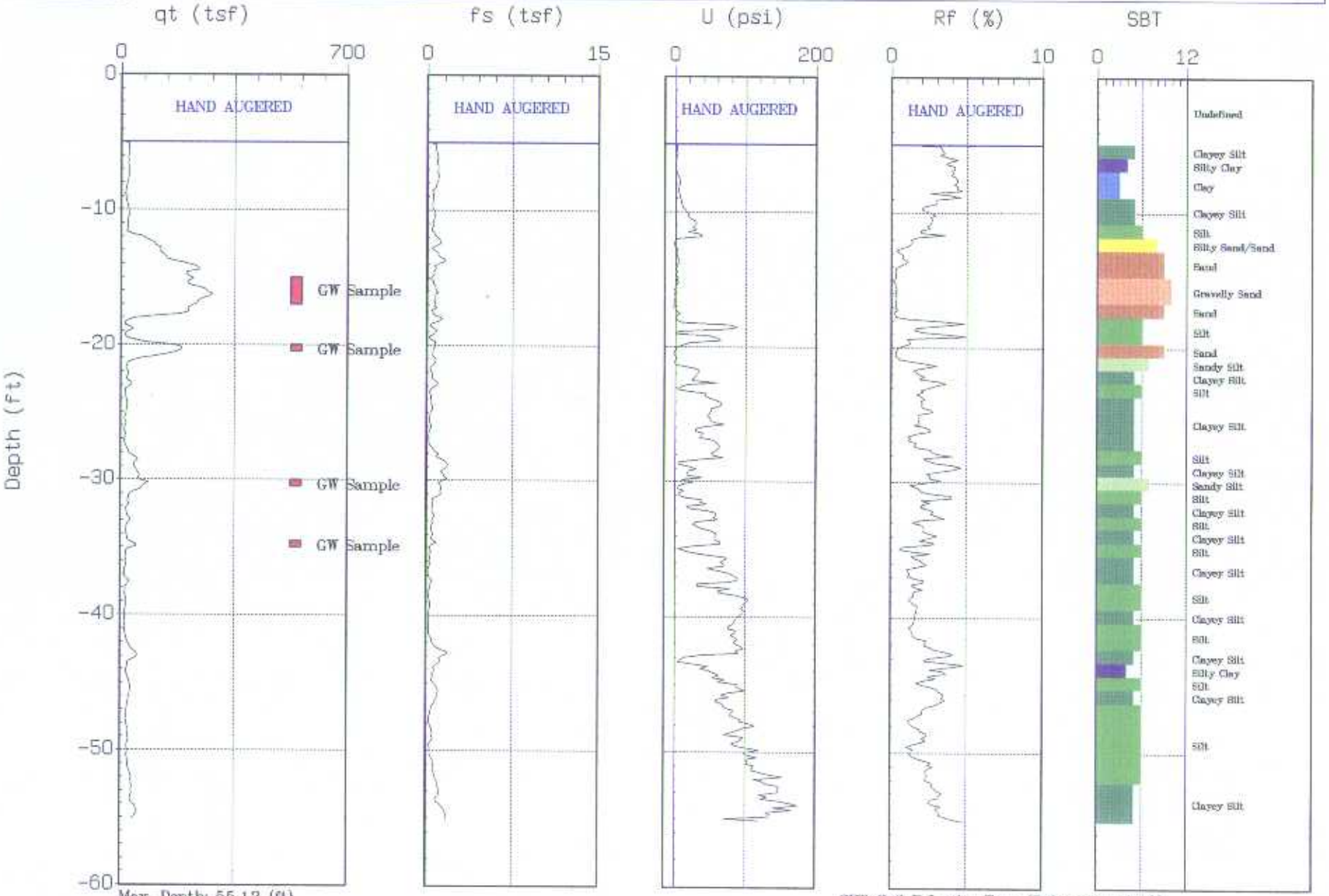
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW14B

Geologist : L. DUDUS
Date : 09:09:02 10:40



Max. Depth: 55.12 (ft)

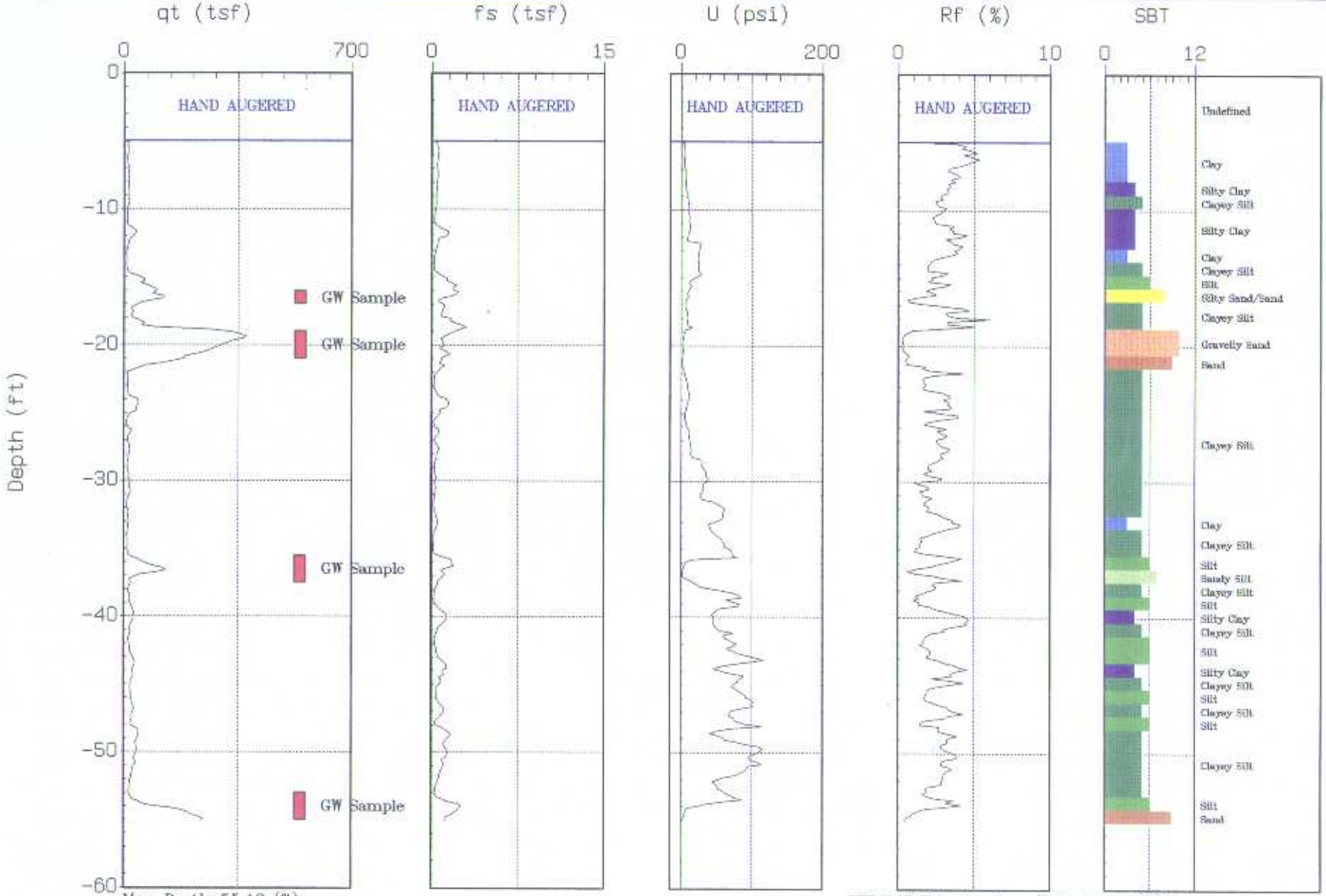
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW15B

Geologist : L. DUDUS
Date : 09:13:02 08:19



Max. Depth: 55.12 (ft)

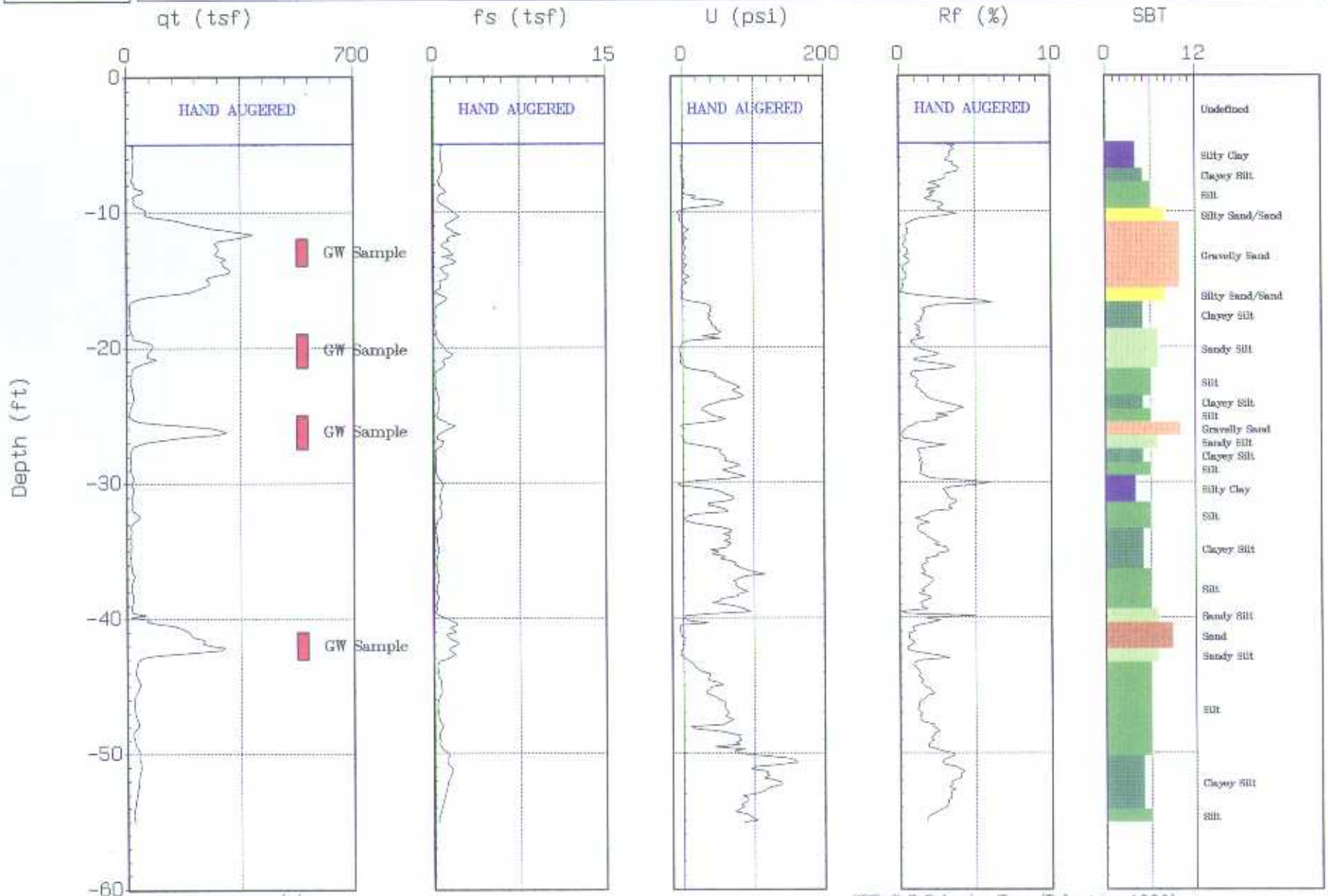
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW16

Geologist : L. DUDUS
Date : 09:16:02 12:49



Max. Depth: 55.12 (ft)

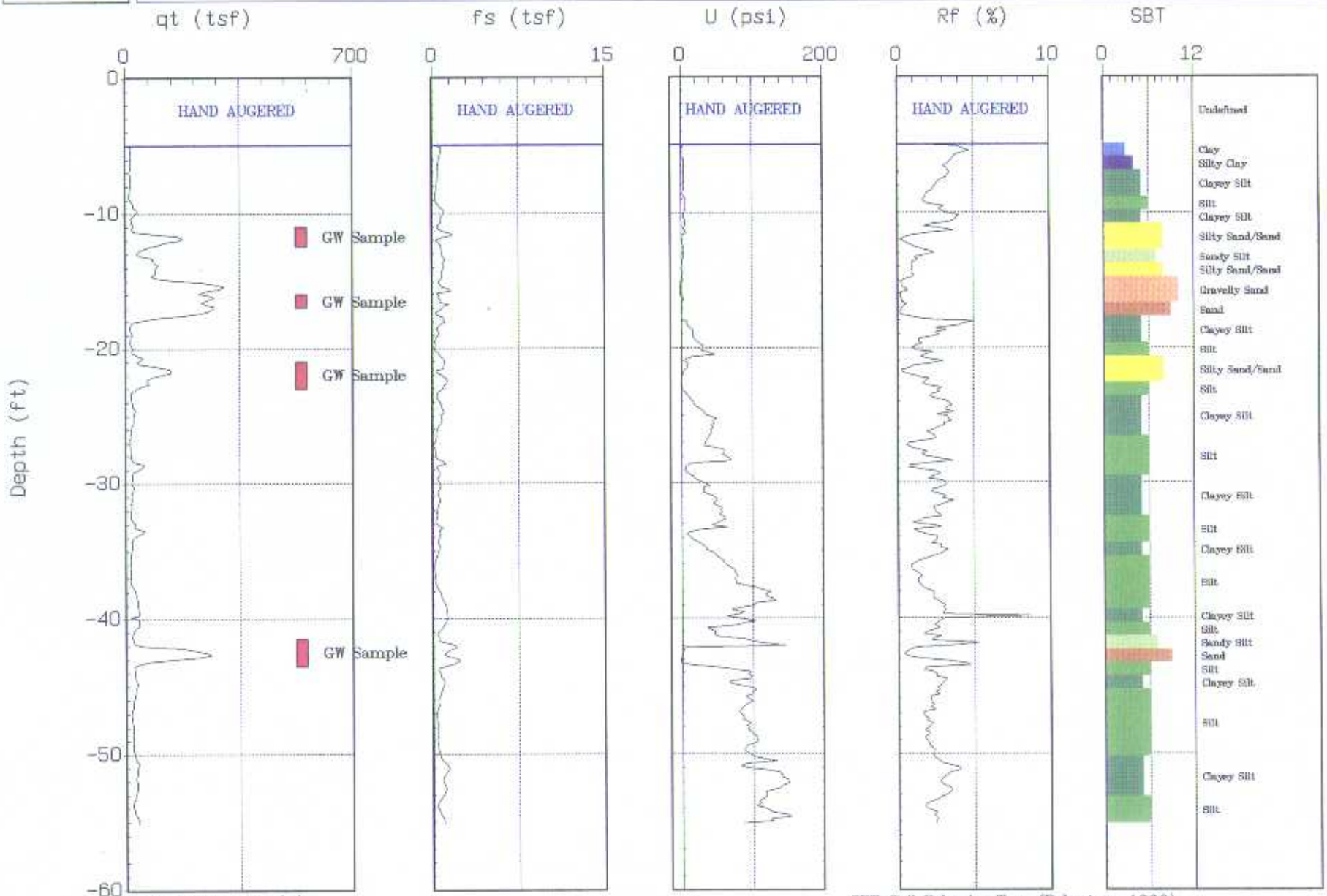
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW17B

Geologist : L. DUDUS
Date : 09:17:02 08:38



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

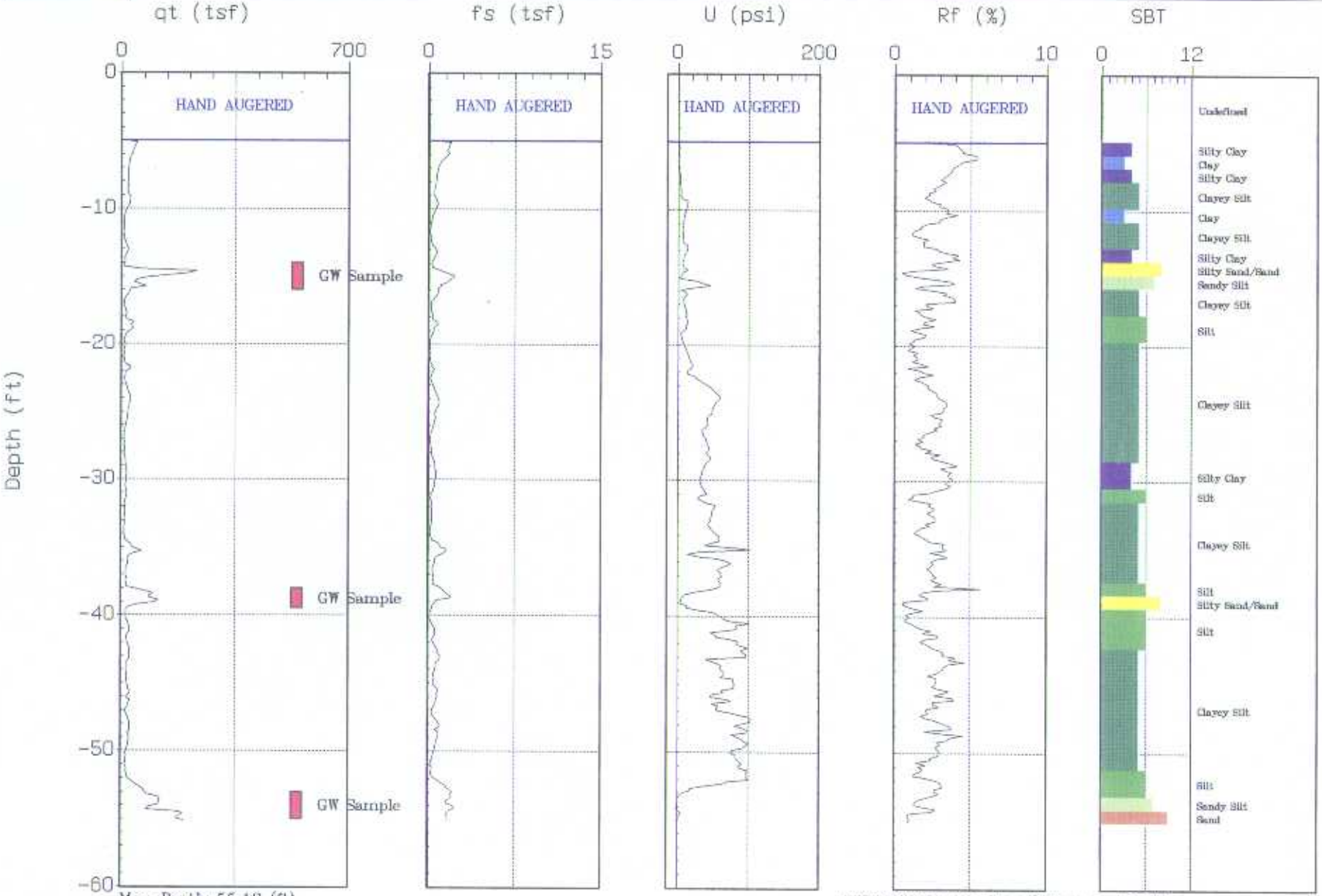
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW18B

Geologist : L. DUDUS
Date : 09:16:02 08:57



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

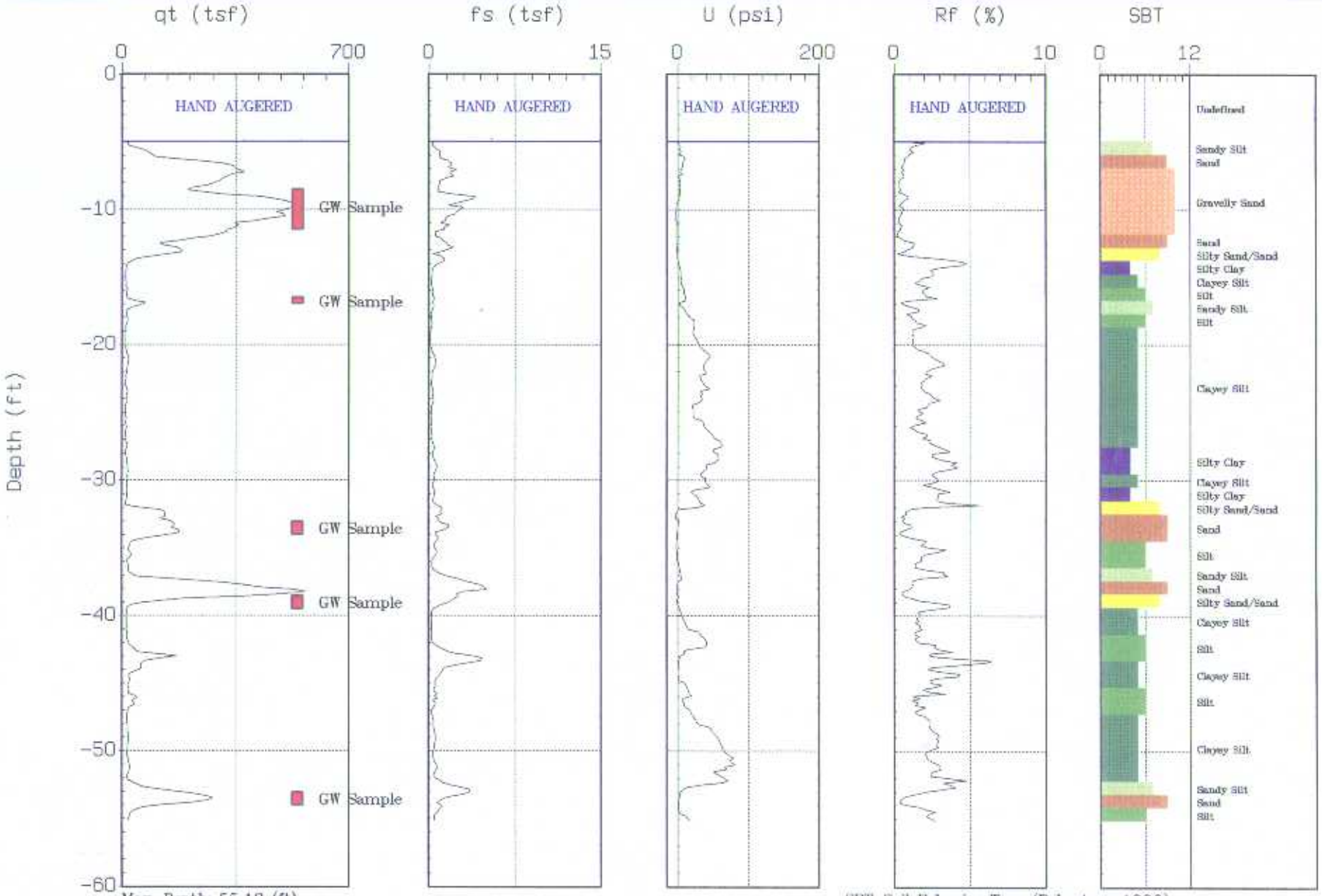
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW19B

Geologist : L. DUDUS
Date : 09:19:02 09:04



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

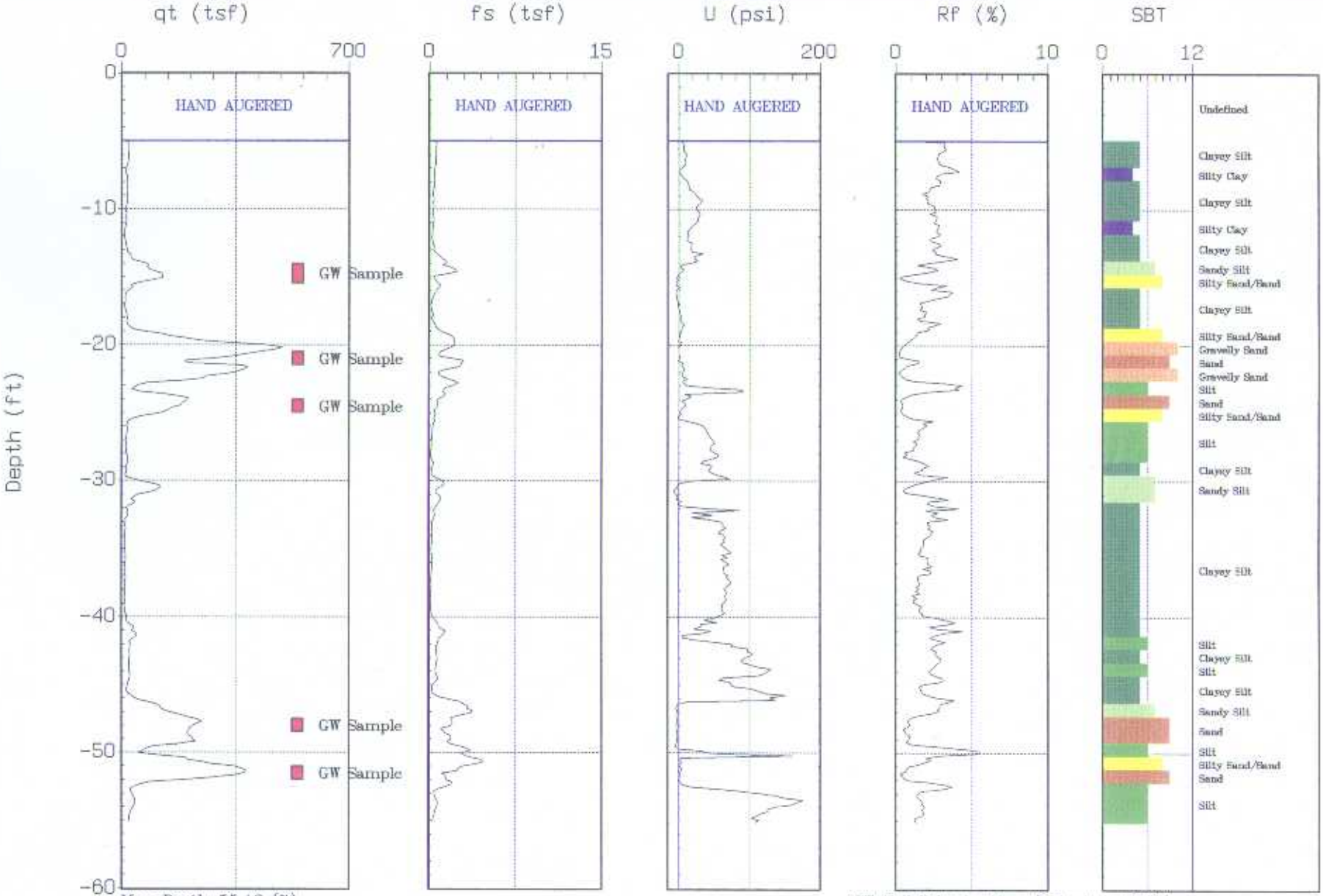
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW-20B

Geologist : L. DUDUS
Date : 09:23:02 08:25



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

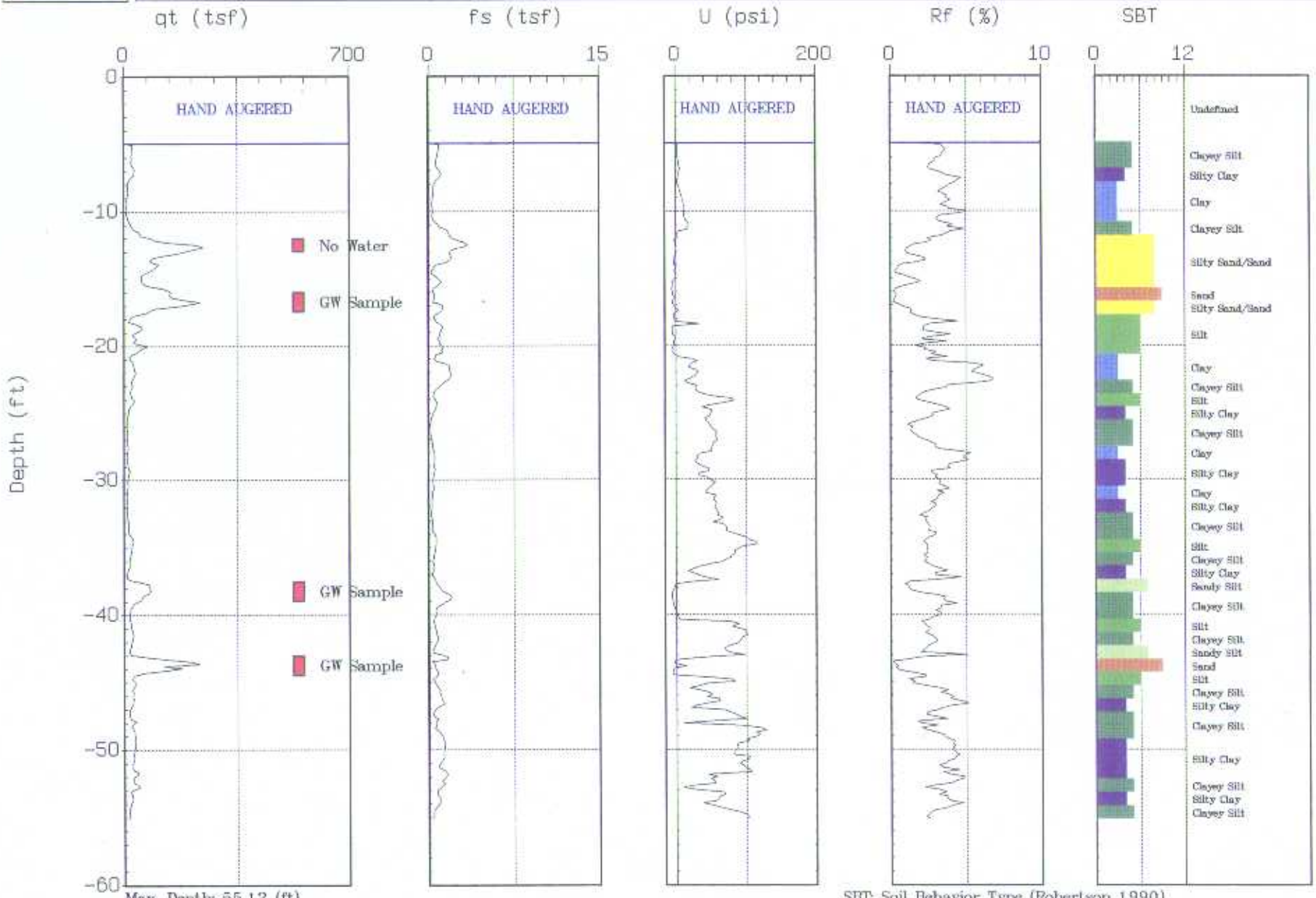
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW21B

Geologist : L. DUDUS
Date : 09:18:02 13:45



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

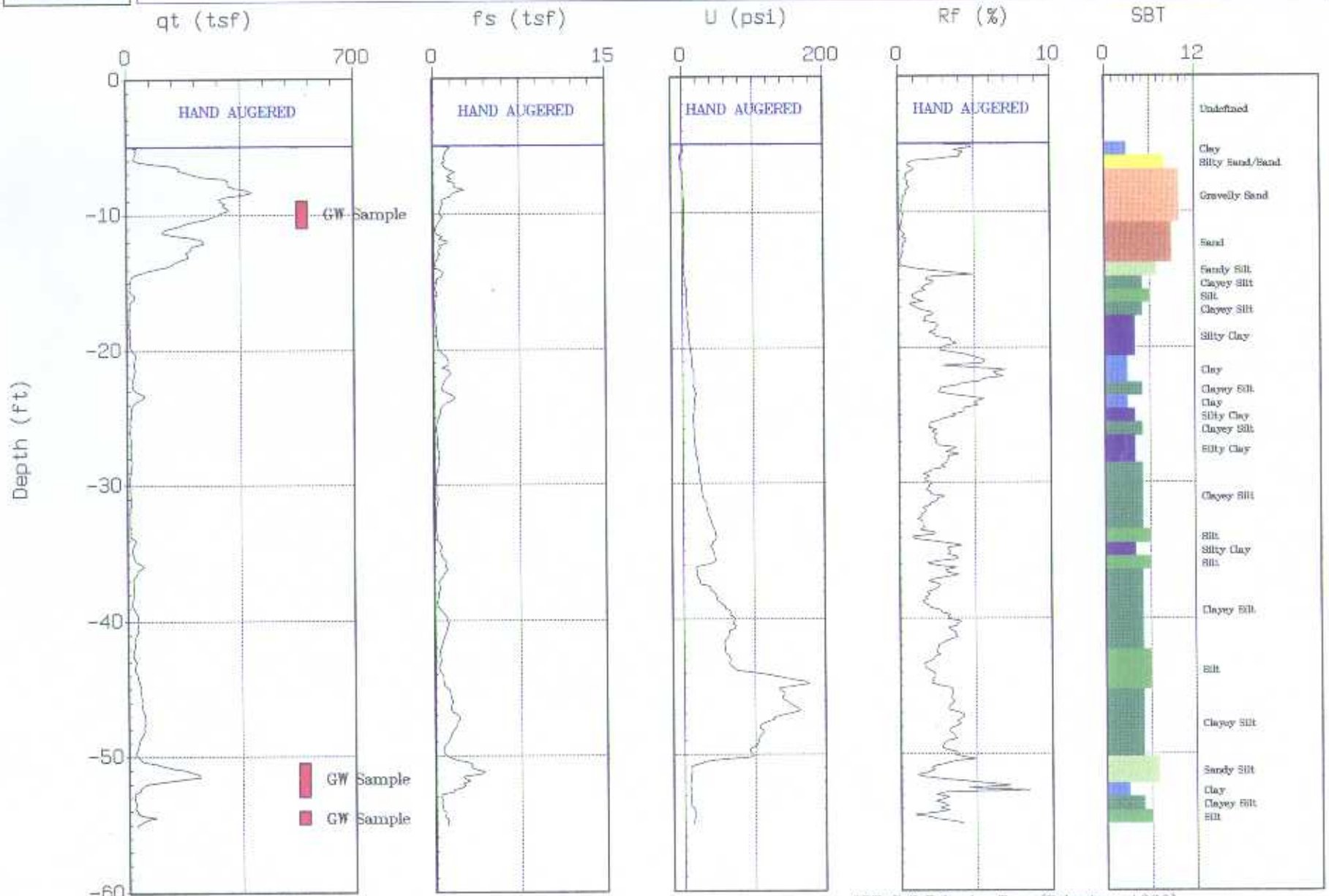
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW22B

Geologist : L. DUDUS
Date : 09:17:02 12:52



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

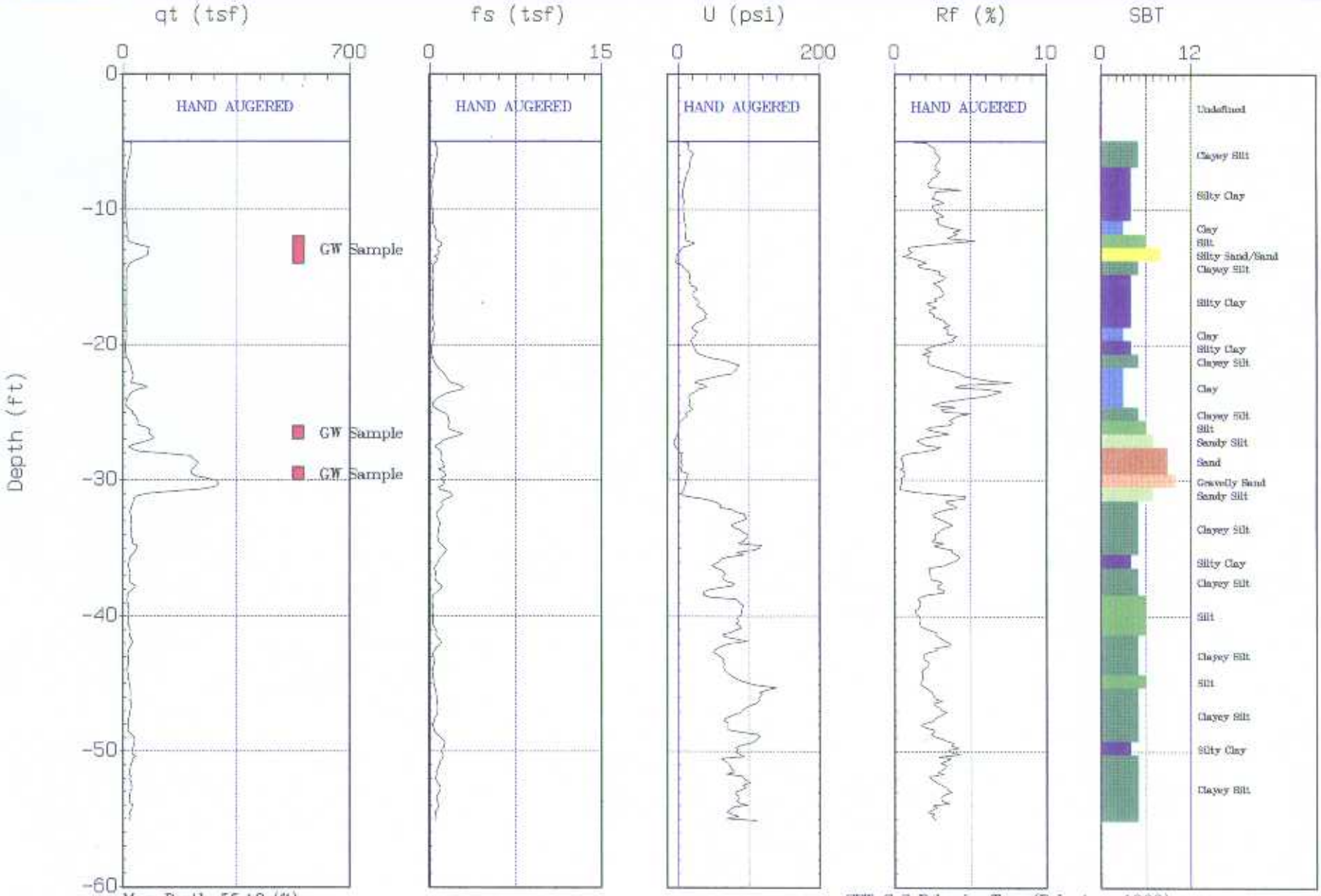
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW23B

Geologist : L. DUDUS
Date : 09:20:02 08:27



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

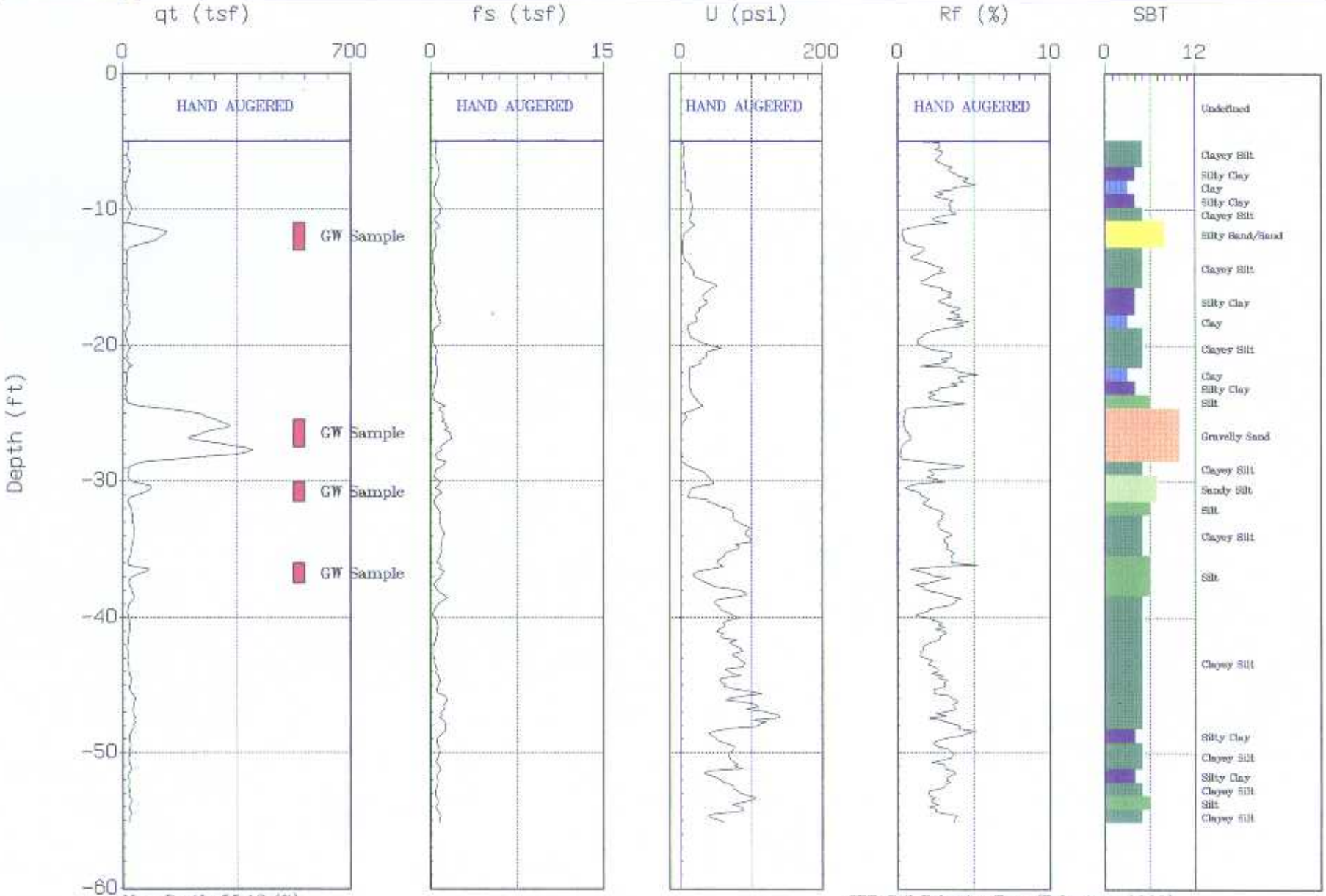
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW24B

Geologist : L. DUDUS
Date : 09:18:02 09:34



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

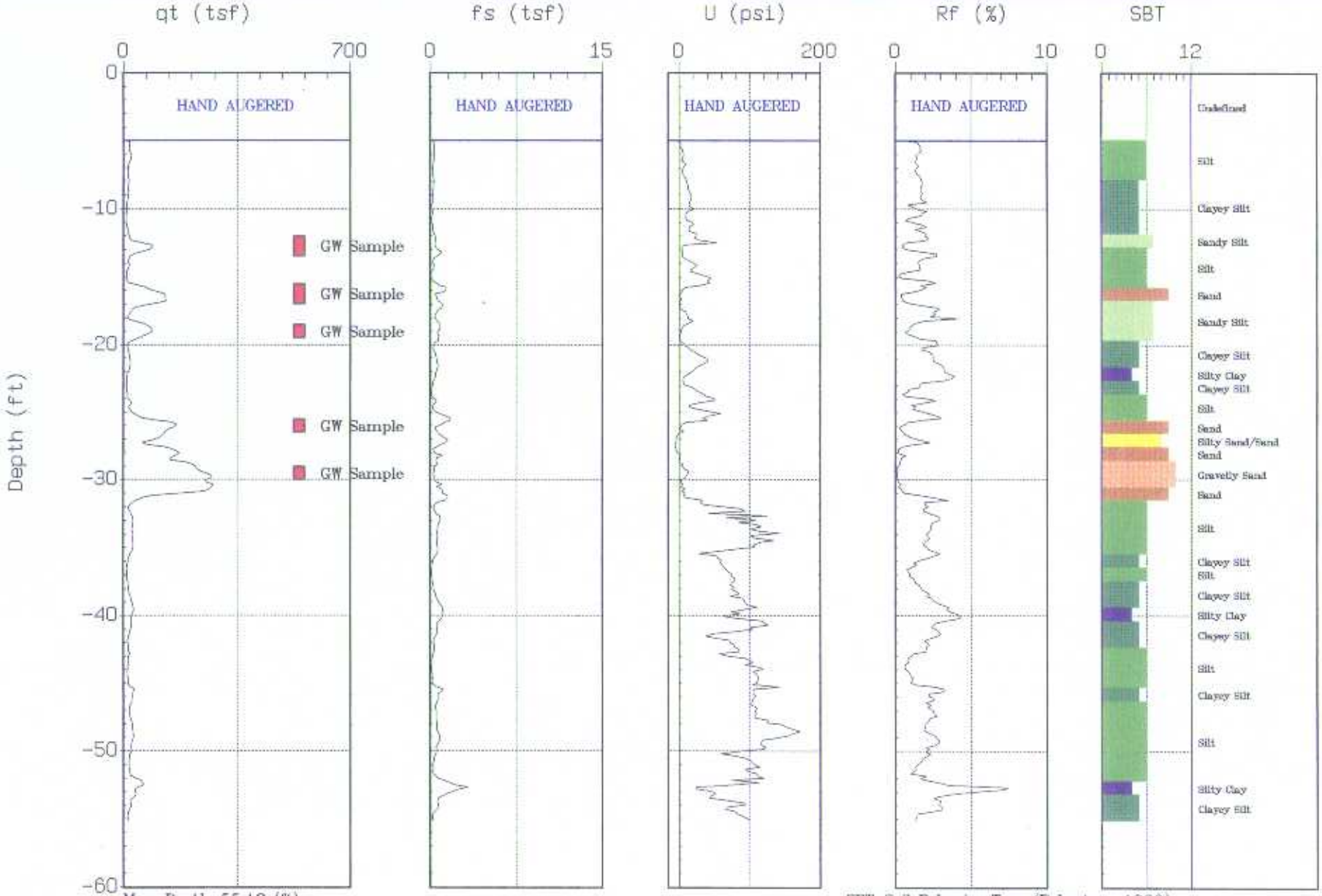
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : CPT-FW25B

Geologist : L. DUDUS
Date : 09:19:02 13:14



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

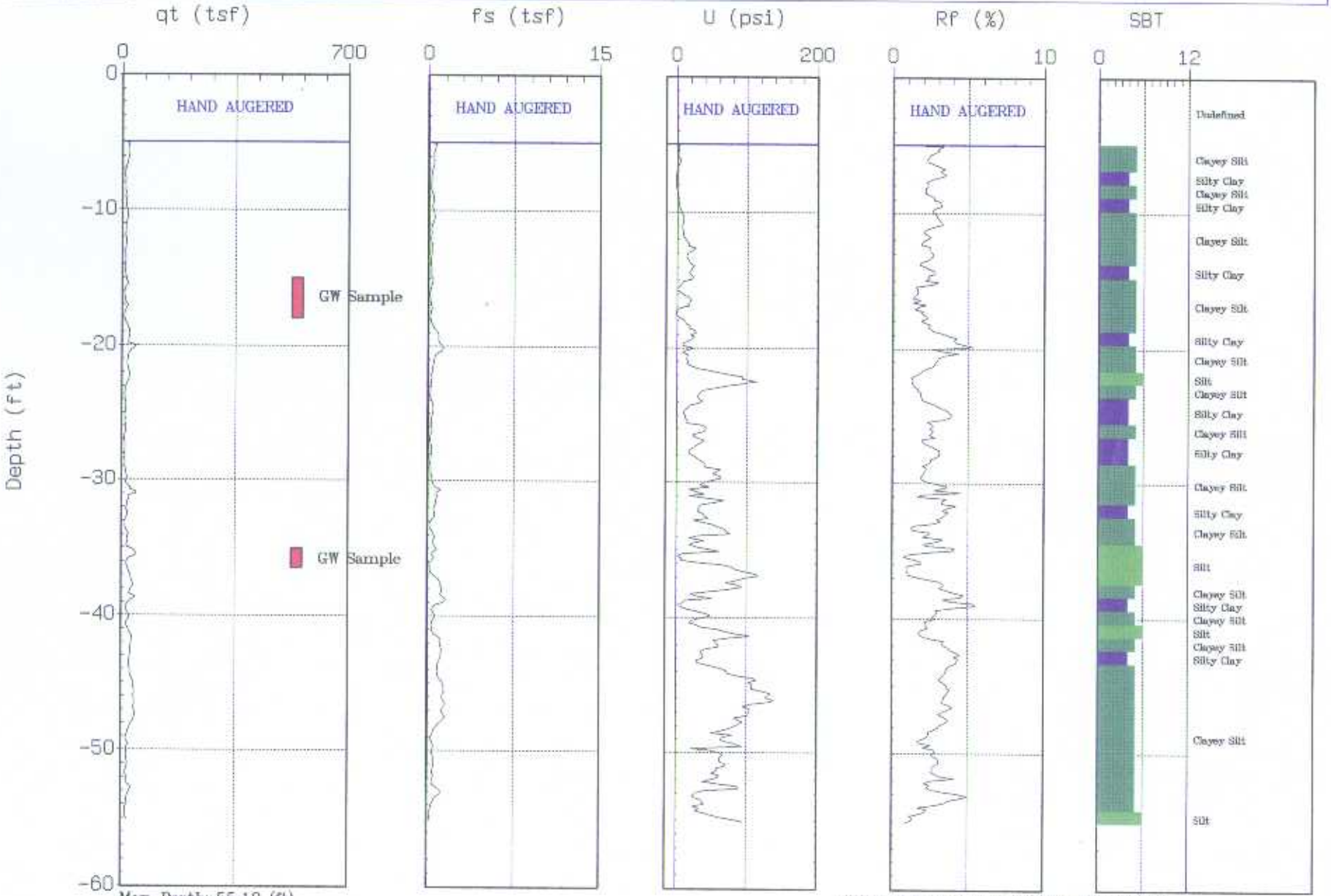
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW-26B

Geologist : L. DUDUS
Date : 09:23:02 13:01



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

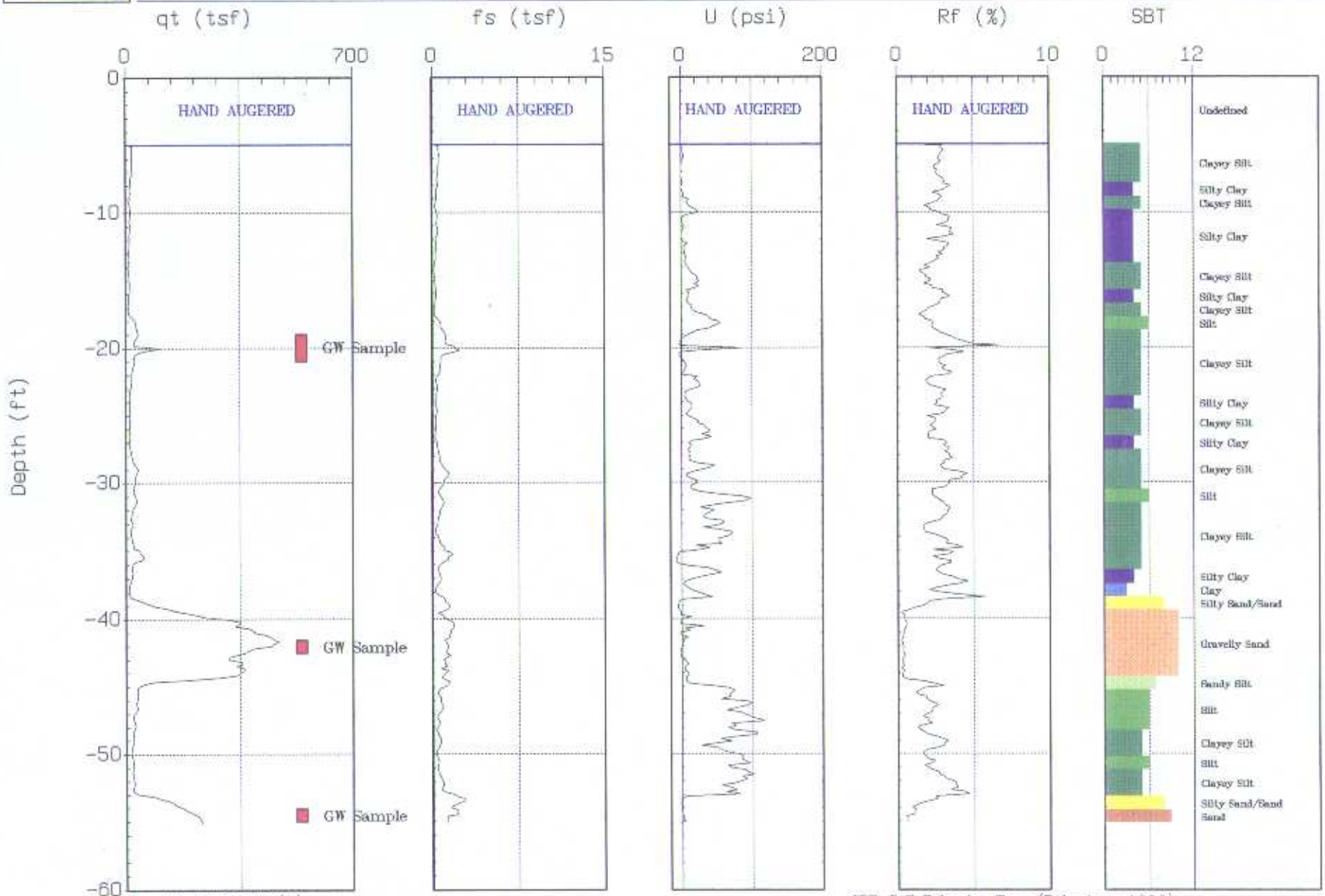
SBT: Soil Behavior Type (Robertson 1990)

GREGG

FOSTER WHEELER

Site : MOFFETT FIELD
Location : FW-27B

Geologist : L. DUDUS
Date : 09:24:02 08:29



Max. Depth: 55.12 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

TABLE A.1-2

PHASE 2 SOIL GEOTECHNICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number		**0033-OR-213A**	**0033-OR-214A**	**0033-OR-215A**	**0033-OR-222A**	**0033-OR-223 (FD)**	**0033-OR-227A**
Sample Location		**FW03B**	**FW03B**	**FW03B**	**FW04B**	**FW04B**	**FW05B**
Sample Date		**8/28/2002**	**8/28/2002**	**8/28/2002**	**8/29/2002**	**8/29/2002**	**8/29/2002**
Sample Depth (feet bgs)		**5.5-6.0**	**12.0-12.5**	**15-15.5**	**6.0-6.5**	**6.0-6.5**	**7.0-7.5**
Parameters	**Units**						
Visual Soil Clasification	USCS	CL	CL/ML	ML/CL	CL	NA	ML/CL
Moisture Unit Weight	pcf	82.3	124.3	129.8	110.5	NA	81.3
Moisture Content	%	17.80%	26.60%	21.80%	27.60%	NA	22.30%
Dry Unit Weight	pcf	69.8	98.2	106.6	86.6	NA	66.5
Specific Gravity of Solids	*	2.52	2.55	2.49	2.66	NA	2.5
Porosity	*	0.556	0.383	0.314	0.478	NA	0.574
Total Organic Carbon	%	0.545	0.197 J	0.253	0.458	0.487	0.15 J

Sample Number		**0033-OR-230A**	**0033-OR-231A**	**0033-OR-234A**	**0033-OR-235 (FD)**	**0033-OR-236A**	**0033-OR-237 (FD)**
Sample Location		**FW06B**	**FW06B**	**FW07B**	**FW07B**	**FW07B**	**FW07B**
Sample Date		**8/30/2002**	**8/29/2002**	**8/30/2002**	**8/30/2002**	**8/30/2002**	**8/30/2002**
Sample Depth (feet bgs)		**6.0-6.5**	**8.0-8.5**	**7.0-7.5**	**7.0-7.5**	**12.0-12.5**	**12.0-12.5**
Parameters	**Units**						
Visual Soil Clasification	USCS	CL	ML	CL/ML	NA	CL	NA
Moisture Unit Weight	pcf	108.7	132	123.6	NA	126.2	NA
Moisture Content	%	23.90%	20.30%	26.60%	NA	26.00%	NA
Dry Unit Weight	pcf	87.8	109.8	97.7	NA	100.1	NA
Specific Gravity of Solids	*	2.61	2.44	2.65	NA	2.65	NA
Porosity	*	0.461	0.279	0.409	NA	0.395	NA
Total Organic Carbon	%	0.55	0.21 J	0.322	0.383	0.202 J	0.161 J

Abbreviations and Acronyms:

* – unitless
% – percent
bgs – below ground surface
CL – clay
CL/ML – silty clay
FD – field duplicate
J – estimated value
ML – silt
ML/CL – clayey silt
NA – not analyzed
OPHA – Orion Park Housing Area
pcf – pounds per cubic feet
USCS – Unified Soil Classification System

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TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-212**	**0033-OR-218**	**0033-OR-219 (FD)**	**0033-OR-226**	**0033-OR-229**	**0033-OR-238**
Sample Location	**FW03B**	**FW04B**	**FW04B**	**FW05B**	**FW06B**	**FW07B**
Sample Date	**8/28/2002**	**8/29/2002**	**8/29/2002**	**8/29/2002**	**8/29/2002**	**8/30/2002**
Sample Depth (feet bgs)	**15-20 ****	**10-15 ****	**10-15 ****	**10-15 ****	**10-15 ****	**10-15 ****
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	**2.2 J**	**2 J**	**0.91 J**
BENZENE	0.5 U	**0.4 J**	**0.27 J**	**0.16 J**	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	**0.19 J**	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	**0.71 J**	**0.36 J**	**0.39 J**	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	**48 ***	**85 ***	**87 ***	5 U	**41 ***	5 U
trans-1,2-DICHLOROETHENE	**0.59 J**	**4.6 J**	**4.5 J**	5 U	**2.3 J**	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.43 J**	**0.29 J**	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**1.6 J**	**250 ***	**250 ***	5 U	**80 ***	5 U
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	**3.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-239 (FD)**	**0033-OR-300**	**0033-OR-301 (FD)**	**0033-OR-302**	**0033-OR-303**	**0033-OR-304**
Sample Location	**FW07B**	**FW08B**	**FW08B**	**FW08B**	**FW08B**	**FW08B**
Sample Date	**8/30/2002**	**9/10/2002**	**9/10/2002**	**9/10/2002**	**9/10/2002**	**9/10/2002**
Sample Depth (feet bgs)	**10-15 ****	**17-18**	**17-18**	**28-30**	**37-38**	**44-45**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	5 U	5 U	**5.3 J**
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.41 J**
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	5 U	**0.89 J**	**0.94 J**	**0.61 J**	**6.7**	**7.2 J**
trans-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	**1.1 J**	**0.76 J**
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.36 J**
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 U	**1.8 J**	**2.1 J**	5 U	**260 ***	**110 ***
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-305**	**0033-OR-306**	**0033-OR-307**	**0033-OR-308**	**0033-OR-310**	**0033-OR-311**
Sample Location	**FW09B**	**FW09B**	**FW09B**	**FW09B**	**FW10B**	**FW10B**
Sample Date	**9/11/2002**	**9/11/2002**	**9/11/2002**	**9/11/2002**	**9/11/2002**	**9/11/2002**
Sample Depth (feet bgs)	**18-20**	**21-22.5**	**29-31.5**	**34-36**	**19.5-20.5**	**29.5-30**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**1.3 J**	5 U	**1.2 J**	5 U	**0.65 J**	**1.2 J**
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 UJ	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	**0.39 J**	5 U	5 U	**1.2 J**
cis-1,2-DICHLOROETHENE	**120 ***	**76 ***	**270 ***	5 U	**30**	**620 ***
trans-1,2-DICHLOROETHENE	**7.8**	**0.38 J**	**1.2 J**	5 U	5 U	**10**
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 UJ	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 UJ	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**260 ***	**8.1 J**	**2.3 J**	5 U	**0.72 J**	**180 ***
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	**0.35 J**	**0.7**	**0.46 J**	0.5 U	**0.93**	**0.6**
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-312**	**0033-OR-319**	**0033-OR-320**	**0033-OR-321**	**0033-OR-322**	**0033-OR-323 (FD)**
Sample Location	**FW10B**	**FW11B**	**FW11B**	**FW11B**	**FW11B**	**FW11B**
Sample Date	**9/11/2002**	**9/12/2002**	**9/12/2002**	**9/12/2002**	**9/12/2002**	**9/12/2002**
Sample Depth (feet bgs)	**39.5-41**	**13-15**	**21-23**	**26-28**	**45-46.5**	**45-46.5**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**5.1**	5 U	5 U	5 U	5 U	**1.8 J**
BENZENE	0.5 U	**0.14 J**	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	**0.78 J**	**3.3 J**	**3.2 J**	5 U	5 U
cis-1,2-DICHLOROETHENE	**21**	**70 ***	**660 ***	**930 ***	**1.6 J**	**2.6 J**
trans-1,2-DICHLOROETHENE	**0.3 J**	**2.2 J**	**20**	**18**	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.16 J**	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**100 ***	**16**	**220 ***	**15**	**200 ***	**200 ***
VINYL ACETATE	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
VINYL CHLORIDE	0.5 U	**0.38 J**	**1.9**	**1.9**	0.5 U	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-313**	**0033-OR-314 (FD)**	**0033-OR-315**	**0033-OR-316**	**0033-OR-317**	**0033-OR-297**
Sample Location	**FW12B**	**FW12B**	**FW12B**	**FW12B**	**FW12B**	**FW13B**
Sample Date	**9/12/2002**	**9/12/2002**	**9/12/2002**	**9/12/2002**	**9/12/2002**	**9/10/2002**
Sample Depth (feet bgs)	**16-17**	**16-17**	**31.5-32.5**	**35-36**	**42-43**	**30.5-31**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**1.5 J**	5 U	5 U	**2.2 J**	**1.6 J**	**5 UJ**
BENZENE	0.5 U	0.5 U	**0.19 J**	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	**0.68 J**	**1.1 J**	**3.2 J**	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	**120** *	**190 ***	**380 J ***	**48 ***	**1.8 J**	5 U
trans-1,2-DICHLOROETHENE	**8.1**	**12**	**25**	**3 J**	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 UJ	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	**1.2 J**	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	**0.31 J**	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**160 ***	**290 ***	**330 J ***	**53 ***	**3 J**	**0.55 J**
VINYL ACETATE	5 U	5 U	5 U	5 U	5 U	5 UJ
VINYL CHLORIDE	**1.3**	**2.1**	**4.3**	**0.55**	0.5 U	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-298**	**0033-OR-293**	**0033-OR-294**	**0033-OR-295**	**0033-OR-296**	**0033-OR-324**
Sample Location	**FW13B**	**FW14B**	**FW14B**	**FW14B**	**FW14B**	**FW15B**
Sample Date	**9/10/2002**	**9/9/2002**	**9/9/2002**	**9/9/2002**	**9/9/2002**	**9/13/2002**
Sample Depth (feet bgs)	**41-43**	**15-17**	**20-20.5**	**30-30.5**	**34.5-35**	**16-17**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**3.6 J**	**2.6 J**	**1.2 J**	**1.7 J**	**11**	5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	**2.2 J**	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	**0.48 J**	**0.5 J**	5 U	5 U
cis-1,2-DICHLOROETHENE	**3.5 J**	**51 ***	**63 ***	**42 ***	**8.2**	**6.7**
trans-1,2-DICHLOROETHENE	5 U	**1.6 J**	**2.8 J**	5 U	5 U	**1.1 J**
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	**0.24 J**	1 U	1 U	1 U	**0.25 J**	**0.23 J**
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	**0.1 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**290 ***	**29**	**41 ***	5 U	**0.98 J**	**210 ***
VINYL ACETATE	5 UJ	5 U	5 U	5 U	5 U	5 UJ
VINYL CHLORIDE	0.5 U	**0.62**	**0.82**	**0.83**	0.5 U	0.5 U
XYLENES (TOTAL)	**0.64 J**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-325**	**0033-OR-326**	**0033-OR-327**	**0033-OR-328 (FD)**	**0033-OR-333**	**0033-OR-334**
Sample Location	**FW15B**	**FW15B**	**FW15B**	**FW15B**	**FW16B**	**FW16B**
Sample Date	**9/13/2002**	**9/13/2002**	**9/13/2002**	**9/13/2002**	**9/16/2002**	**9/16/2002**
Sample Depth (feet bgs)	**19-21**	**36.5-37.5**	**53-55**	**53-55**	**14-Dec**	**19-21.5**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**0.87 J**	**2 J**	**1.5 J**	**1.3 J**	5 U	5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	**0.39 J**	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	**0.22 J**	**0.26 J**	**0.32 J**	**0.46 J**	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	**0.43 J**	5 U
cis-1,2-DICHLOROETHENE	**9.9**	**3.2 J**	5 U	5 U	**100 ***	5 U
trans-1,2-DICHLOROETHENE	**1.7 J**	5 U	5 U	5 U	**4.2 J**	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 UJ	1 U	1 UJ	1 UJ	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	**0.42 J**	5 U
TOLUENE	0.5 U	0.5 UJ	0.5 U	0.5 U	**0.48 J**	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**170 ***	**29 J**	**2.2 J**	**1.9 J**	**270 ***	**0.25 J**
VINYL ACETATE	5 U	5 UJ	5 U	5 U	5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	**0.23 J**	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-335**	**0033-OR-336**	**0033-OR-337 (FD)**	**0033-OR-338**	**0033-OR-339**	**0033-OR-340**
Sample Location	**FW16B**	**FW16B**	**FW16B**	**FW17B**	**FW17B**	**FW17B**
Sample Date	**9/16/2002**	**9/16/2002**	**9/16/2002**	**9/17/2002**	**9/17/2002**	**9/17/2002**
Sample Depth (feet bgs)	**25-27.5**	**41-43**	**41-43**	**11-12.5**	**16-17**	**21-23**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	**1.4 J**	5 U	5 U	5 U
BENZENE	0.5 U	0.5 U	0.5 U	**0.22 J**	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	**0.79 J**	5 U	**0.29 J**	**0.18 J**	**0.4 J**	5 U
cis-1,2-DICHLOROETHENE	**190 ***	**18**	**17**	**12**	**100 ***	**2.8 J**
trans-1,2-DICHLOROETHENE	**2.9 J**	**0.92 J**	**0.8 J**	**0.39 J**	**5.5**	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	**0.13 J**	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	**0.17 J**	**0.21 J**	**0.3 J**	5 U	**0.3 J**	5 U
TOLUENE	**0.19 J**	0.5 U	0.5 U	**0.19 J**	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**260 ***	**120 ***	**110 ***	**1.2 J**	**190 ***	**0.6 J**
VINYL ACETATE	5 U	5 UJ	5 UJ	5 U	5 UJ	5 UJ
VINYL CHLORIDE	**0.36 J**	0.5 U	0.5 U	0.5 U	**0.41 J**	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-341**	**0033-OR-329**	**0033-OR-330**	**0033-OR-332**	**0033-OR-354**	**0033-OR-355**
Sample Location	**FW17B**	**FW18B**	**FW18B**	**FW18B**	**FW19B**	**FW19B**
Sample Date	**9/17/2002**	**9/16/2002**	**9/16/2002**	**9/16/2002**	**9/19/2002**	**9/19/2002**
Sample Depth (feet bgs)	**41.5-43.5**	**14-16**	**37.5-39.5**	**53-55**	**8.5-11.5**	**16.5-17**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**3.4 J**	5 U	**2 J**	**1.5 J**	**2.4 J**	**2.8 J**
BENZENE	**0.42 J**	0.5 U	0.5 U	0.5 U	**0.14 J**	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	**0.2 J**	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	**0.28 J**	5 U	**0.28 J**	5 U	**0.47 J**	5 U
cis-1,2-DICHLOROETHENE	**12**	**9.9**	**16**	5 U	**90 J***	5 U
trans-1,2-DICHLOROETHENE	**1.2 J**	**0.8 J**	**1.4 J**	5 U	**4.6 J**	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	**0.22 J**	5 U
TOLUENE	**0.42 J**	0.5 U	0.5 U	0.5 U	**0.13 J**	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**1100 ***	**79 ***	**740 ***	5 U	**260 ***	5 U
VINYL ACETATE	5 UJ	5 U	5 U	5 UJ	5 UJ	5 UJ
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	**0.26 J**	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-356 (FD)**	**0033-OR-358**	**0033-OR-359**	**0033-OR-360**	**0033-OR-372**	**0033-OR-373**
Sample Location	**FW19B**	**FW19B**	**FW19B**	**FW19B**	**FW20B**	**FW20B**
Sample Date	**9/19/2002**	**9/19/2002**	**9/19/2002**	**9/19/2002**	**9/23/2002**	**9/23/2002**
Sample Depth (feet bgs)	**16.5-17**	**33-34**	**38.5-39.5**	**53-54**	**14-15.5**	**20.5-21.5**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**2.8 J**	**2.5 J**	**2.6 J**	5 U	5 U	**1.2 J**
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	**0.81 J**	5 U	5 U	5 UJ
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	**1.1 J**	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	**0.39 J**	5 U	5 U	**1.1 J**	5 U
cis-1,2-DICHLOROETHENE	5 U	**27**	**16**	**6.3**	**140 ***	5 U
trans-1,2-DICHLOROETHENE	5 U	**1.9 J**	**0.91 J**	**0.55 J**	**5.4**	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 UJ	1 U	1 UJ	1 U	1 U	**0.13 J**
4-METHYL-2-PENTANONE	5 U	5 U	**1.2 J**	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	**0.17 J**	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	**0.15 J**	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 U	**310 ***	**190 ***	**250 ***	**160 ***	5 U
VINYL ACETATE	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
VINYL CHLORIDE	0.5 U	**0.24 J**	0.5 U	0.5 U	**0.62**	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-374 (FD)**	**0033-OR-375**	**0033-OR-376**	**0033-OR-377**	**0033-OR-351**	**0033-OR-352**
Sample Location	**FW20B**	**FW20B**	**FW20B**	**FW20B**	**FW21B**	**FW21B**
Sample Date	**9/23/2002**	**9/23/2002**	**9/23/2002**	**9/23/2002**	**9/18/2002**	**9/18/2002**
Sample Depth (feet bgs)	**20.5-21.5**	**24-25**	**47.5-48.5**	**51-52**	**16-17.5**	**37.5-39**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	5 U	**1.6 J**	**1.3 J**
BENZENE	0.5 U	0.5 U	**0.25 J**	0.5 U	**0.13 J**	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 UJ
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	**0.11 J**	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	**0.25 J**	5 U	5 U
cis-1,2-DICHLOROETHENE	5 U	**0.56 J**	**4.5 J**	**8.3**	**21**	**0.76 J**
trans-1,2-DICHLOROETHENE	5 U	5 U	**0.42 J**	**0.82 J**	**1.2 J**	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 UJ
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	**0.14 J**	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 UJ
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 UJ
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 U	**4.4 J**	**230 J ***	**700 ***	**21**	5 U
VINYL ACETATE	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U
VINYL CHLORIDE	0.5 U	0.5 U	**0.13 J**	0.5 U	0.5 U	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-353**	**0033-OR-342**	**0033-OR-343 (FD)**	**0033-OR-344**	**0033-OR-345**	**0033-OR-368**
Sample Location	**FW21B**	**FW22B**	**FW22B**	**FW22B**	**FW22B**	**FW23B**
Sample Date	**9/18/2002**	**9/17/2002**	**9/17/2002**	**9/17/2002**	**9/17/2002**	**9/20/2002**
Sample Depth (feet bgs)	**43-44.5**	**11-Sep**	**11-Sep**	**50.5-52.5**	**54-55**	**14-Dec**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	5 U	5 U	5 U	**3.9 J**	**2.3 J**	5 U
BENZENE	0.5 U	**0.16 J**	**0.13 J**	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	**0.19 J**
CHLOROMETHANE	5 U	5 U	0.2 J	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	**0.57 J**
cis-1,2-DICHLOROETHENE	5 U	**24**	**21**	**0.19 J**	5 U	**110 ***
trans-1,2-DICHLOROETHENE	5 U	**1.2 J**	**1.2 J**	5 U	5 U	**3.1 J**
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	**0.095 J**	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 U	**110 ***	**110 ***	**0.72 J**	**0.21 J**	**260 ***
VINYL ACETATE	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.35 J**
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-369**	**0033-OR-370**	**0033-OR-347**	**0033-OR-348**	**0033-OR-349**	**0033-OR-350**
Sample Location	**FW23B**	**FW23B**	**FW24B**	**FW24B**	**FW24B**	**FW24B**
Sample Date	**9/20/2002**	**9/20/2002**	**9/18/2002**	**9/18/2002**	**9/18/2002**	**9/18/2002**
Sample Depth (feet bgs)	**26-27**	**29-30**	**13-Nov**	**25.5-27.5**	**30-31.5**	**36-37.5**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**2.5 J**	**2.4 J**	5 U	**1.7 J**	**2.5 J**	**2 J**
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	**0.11 J**	5 U	**0.16 J**	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	**0.92 J**	**0.42 J**	**0.55 J**	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	**93 ***	**53 ***	**100 ***	**13**	**1.9 J**	**1.4 J**
trans-1,2-DICHLOROETHENE	**4.2 J**	**0.74 J**	**4.2 J**	**0.68 J**	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	**0.12 J**	0.5 U	0.5 U	**0.12 J**	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**120 ***	**29**	**120 ***	**59 ***	**0.98 J**	**1.5 J**
VINYL ACETATE	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
VINYL CHLORIDE	**0.64**	**0.46 J**	**2**	0.5 U	0.5 U	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-362**	**0033-OR-363**	**0033-OR-364**	**0033-OR-365**	**0033-OR-366**	**0033-OR-367 (FD)**
Sample Location	**FW25B**	**FW25B**	**FW25B**	**FW25B**	**FW25B**	**FW25B**
Sample Date	**9/19/2002**	**9/19/2002**	**9/19/2002**	**9/19/2002**	**9/19/2002**	**9/19/2002**
Sample Depth (feet bgs)	**12-13.5**	**15.5-17**	**18.5-19.5**	**25.5-26.5**	**29-30**	**29-30**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**1.9 J**	**2.5 J**	**2.6 J**	**6.7**	5 U	5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	5 U	5 U	5 U	**4.2 J**	**14**	**13**
trans-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	**0.28 J**	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	**0.19 J**	**0.33 J**	**0.26 J**	**0.29 J**	**0.3 J**	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**0.28 J**	5 U	5 U	5 U	**0.54 J**	**0.5 J**
VINYL ACETATE	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	**0.41 J**	**0.53**	**0.47 J**
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER CHEMICAL DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Number	**0033-OR-378**	**0033-OR-379**	**0033-OR-380**	**0033-OR-381**	**0033-OR-382 (FD)**	**0033-OR-383**
Sample Location	**FW26B**	**FW26B**	**FW27B**	**FW27B**	**FW27B**	**FW27B**
Sample Date	**9/23/2002**	**9/23/2002**	**9/24/2002**	**9/24/2002**	**9/24/2002**	**9/24/2002**
Sample Depth (feet bgs)	**15-18**	**35-36.5**	**19-21**	**41.5-42.5**	**41.5-42.5**	**54-55**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
ACETONE	**4.1 J**	5 U	5 U	5 U	5 U	5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	**0.12 J**	0.5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
2-BUTANONE	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOCHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT-BUTYL ETHER	**0.3 J**	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	**0.12 J**	0.5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	**0.22 J**	5 U	5 U	5 U	5 U	5 U
VINYL ACETATE	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENES (TOTAL)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

TABLE A.1-3

PHASE 2 GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Notes:
Bold – indicates value above method detection limit

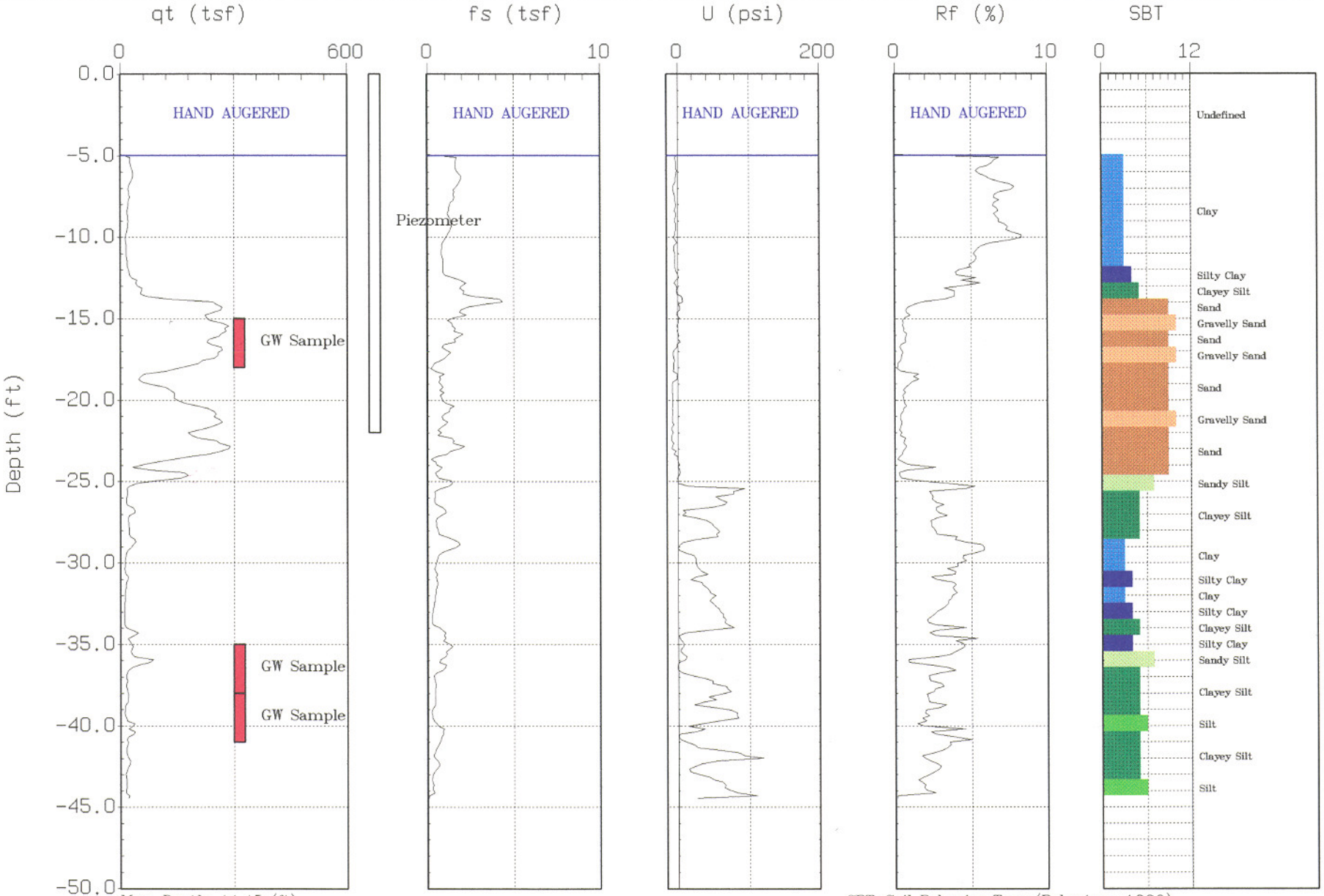
Abbreviations and Acronyms:

* – value is reported from dilution
** – Sample depth is the screened interval of the temporary well that was used to collect sample
µg/L – microgram per liter
bgs – below ground surface
EPA – U.S. Environmental Protection Agency
FD – field duplicate
J – estimated value
OPHA – Orion Park Housing Area
U – not detected at or above the laboratory reporting limit (value indicates the reporting limit)
VOC – volatile organic compound

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-1

Geologist : J. ALLAN
Date : 09:06:03 07:57



Max. Depth: 44.45 (ft)

Depth Inc.: 0.164 (ft)

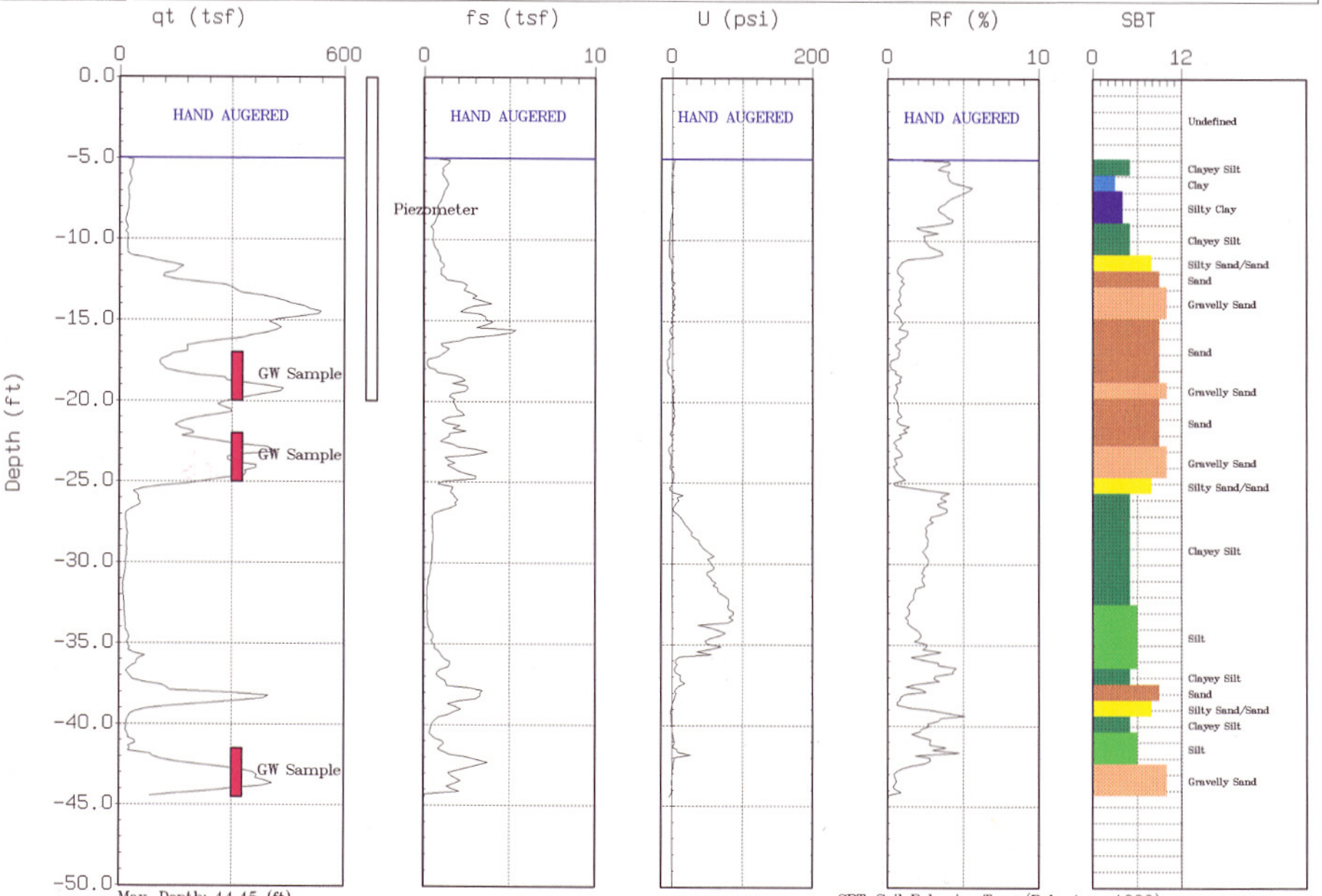
SBT: Soil Behavior Type (Robertson 1990)

GREGG

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-2

Geologist : J. ALLAN
Date : 09:06:03 10:40



Max. Depth: 44.45 (ft)

Depth Inc.: 0.164 (ft)

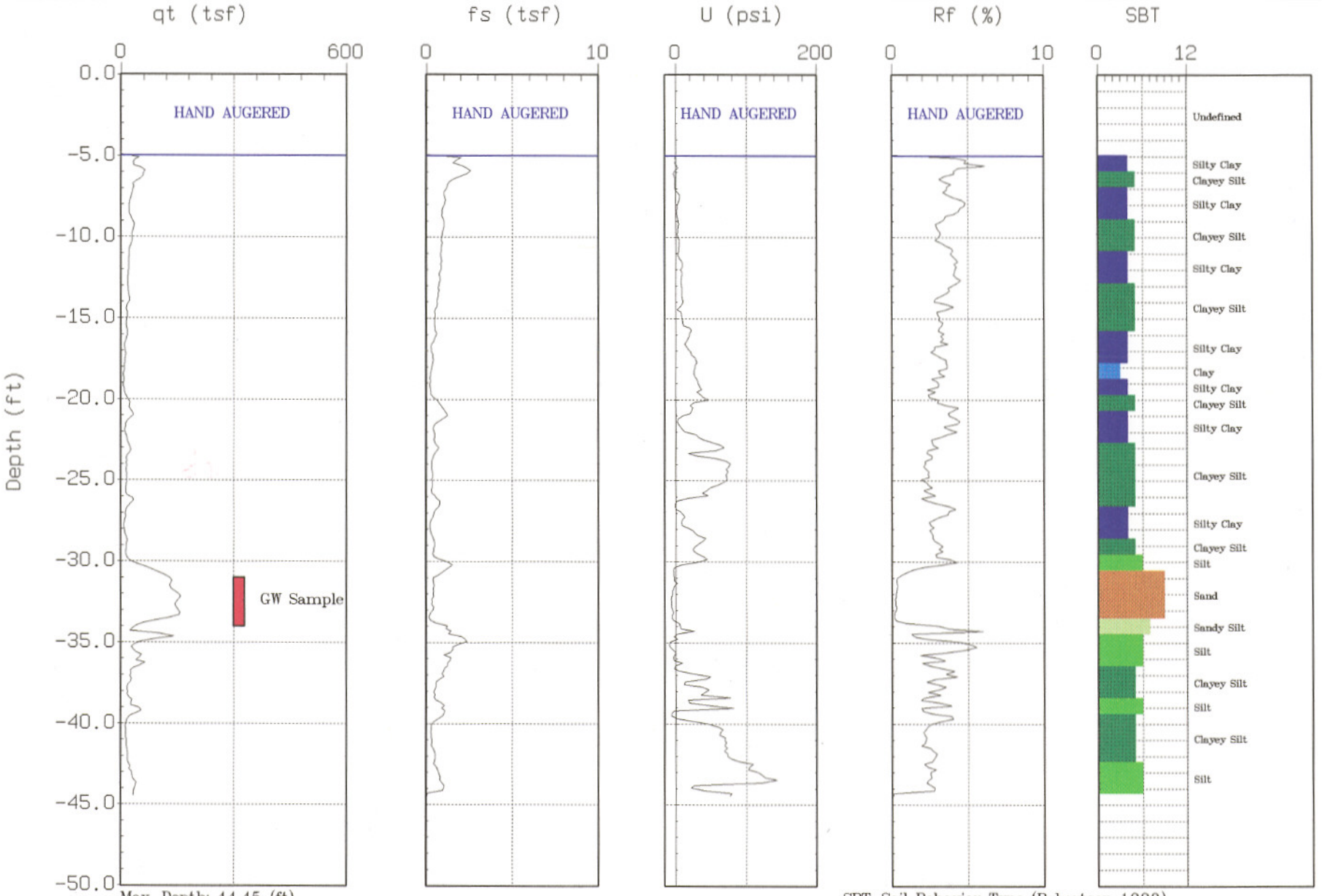
SBT: Soil Behavior Type (Robertson 1990)

GREGG

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-3

Geologist : J. ALLAN
Date : 09:08:03 07:42



Max. Depth: 44.45 (ft)

Depth Inc.: 0.164 (ft)

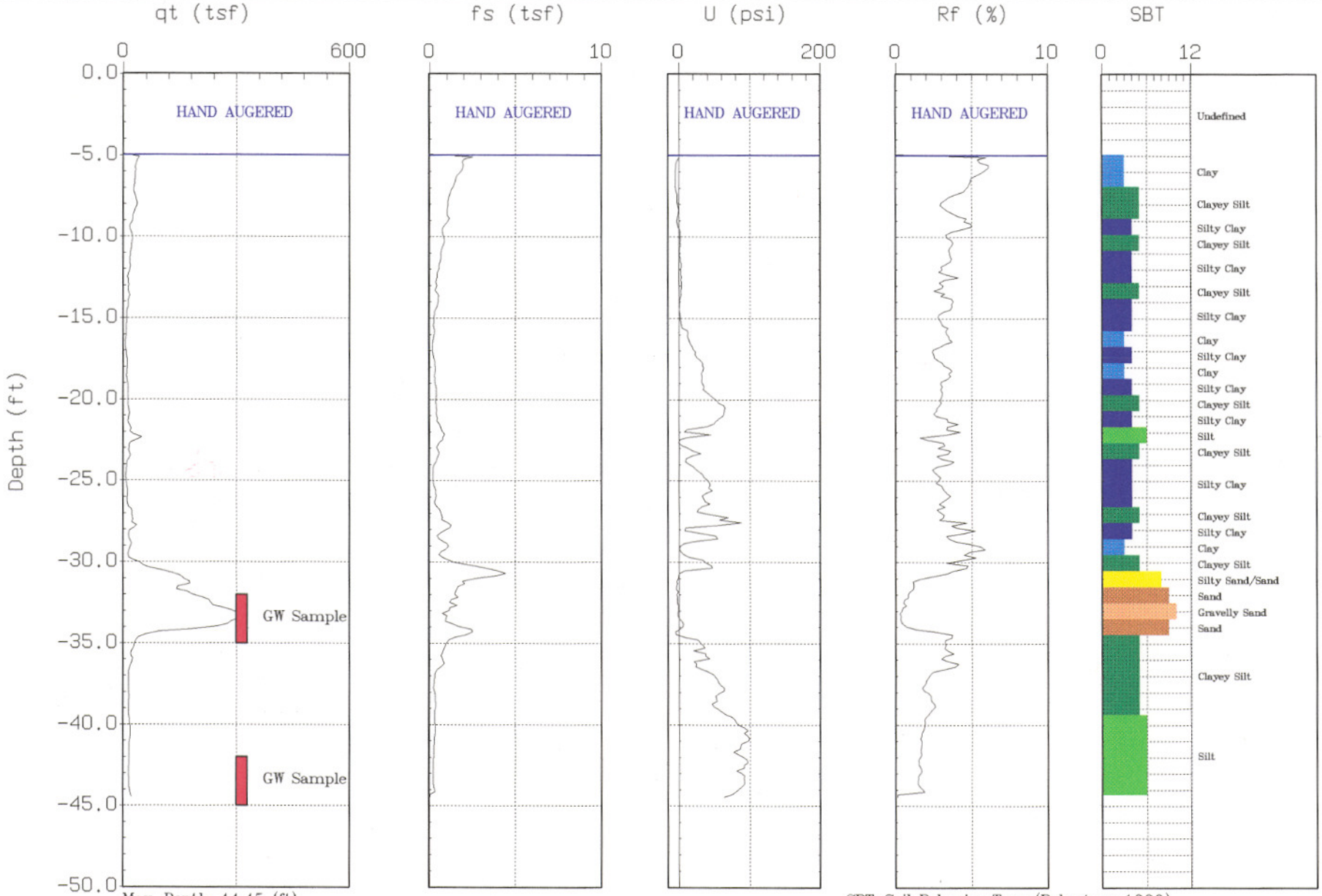
SBT: Soil Behavior Type (Robertson 1990)

GREGG

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-4

Geologist : J. ALLAN
Date : 09:08:03 08:47



Max. Depth: 44.45 (ft)

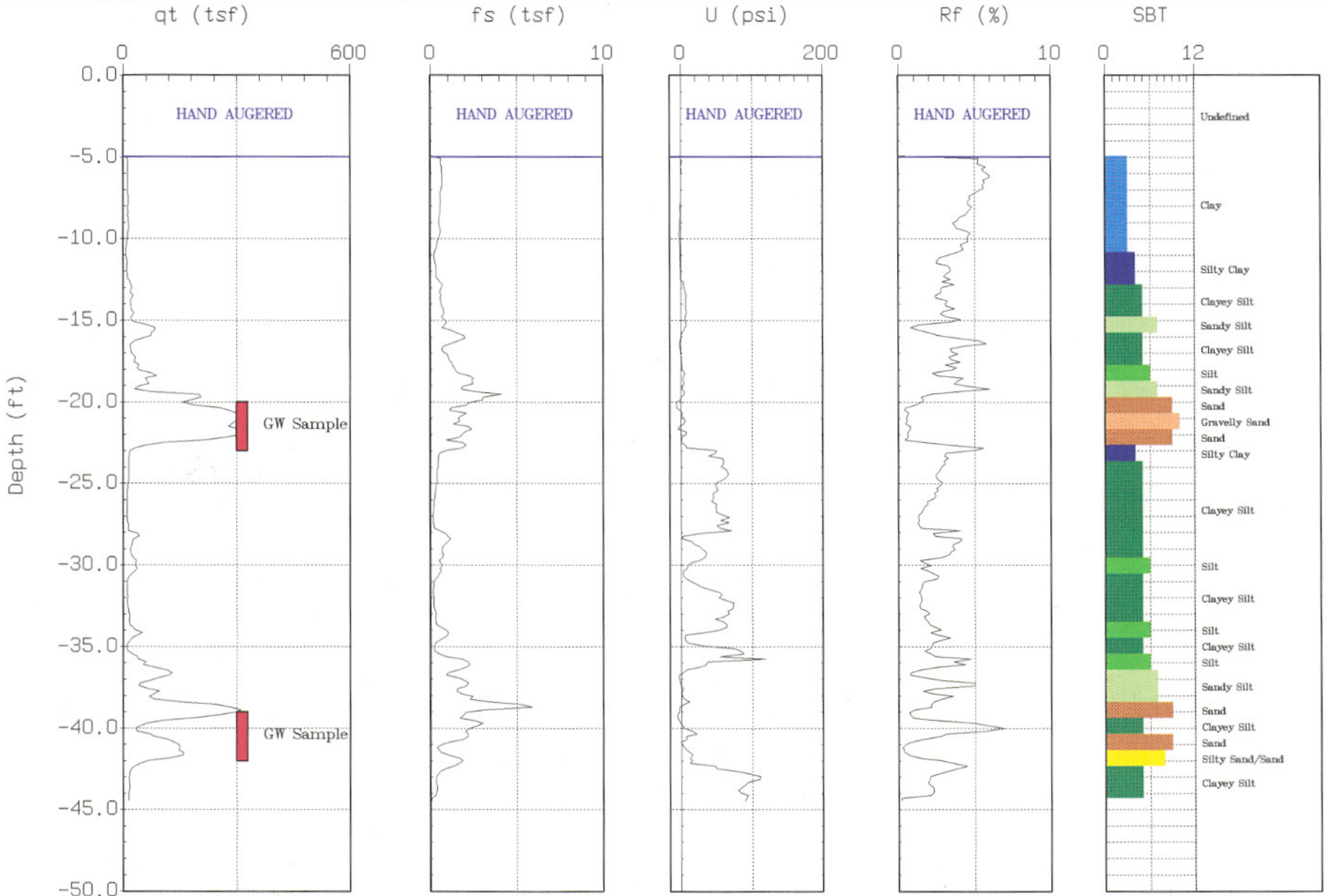
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-5

Geologist : J. ALLAN
Date : 09:04:03 09:42



Max. Depth: 44.45 (ft)

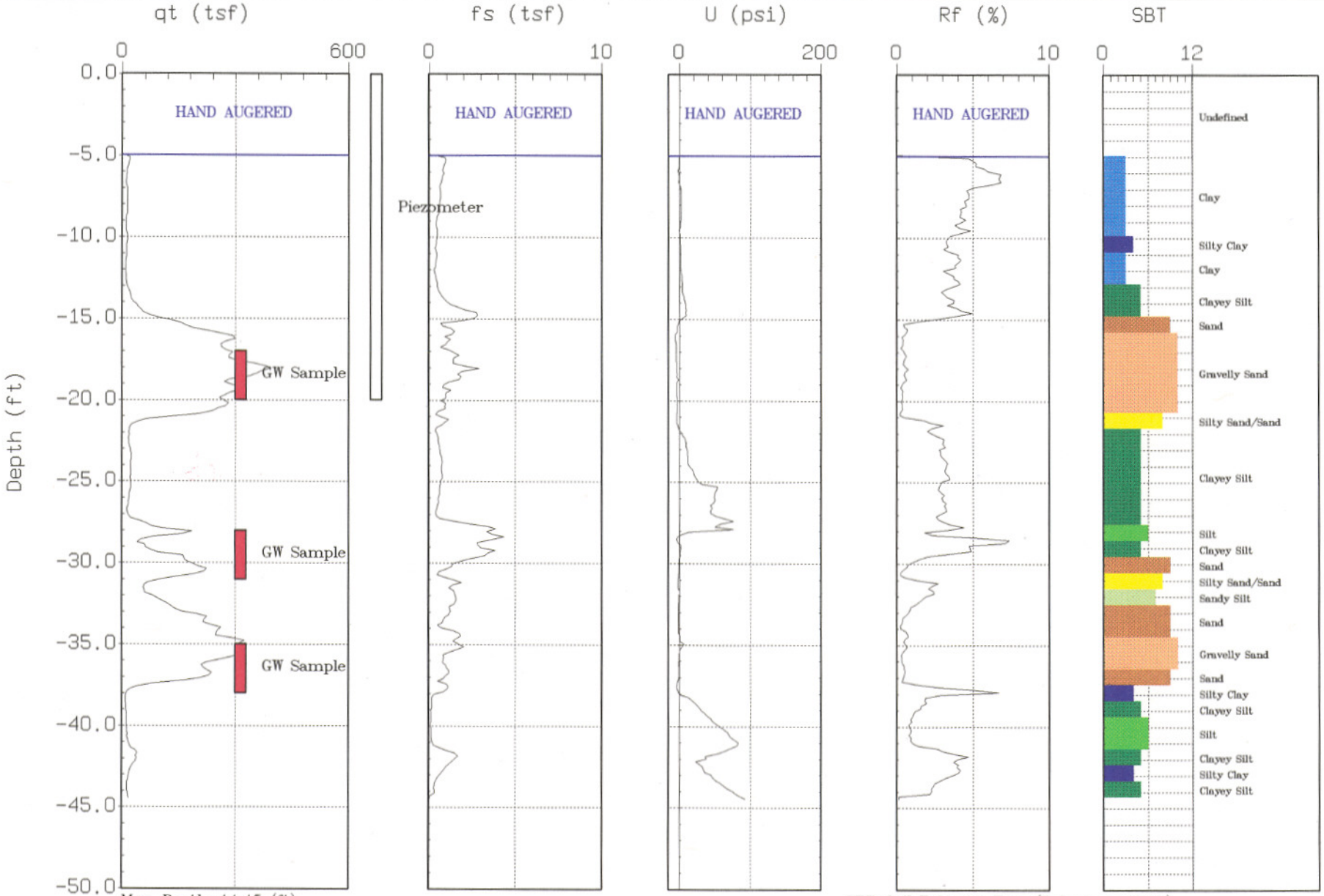
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-6

Geologist : J. ALLAN
Date : 09:04:03 11:51



Max. Depth: 44.45 (ft)

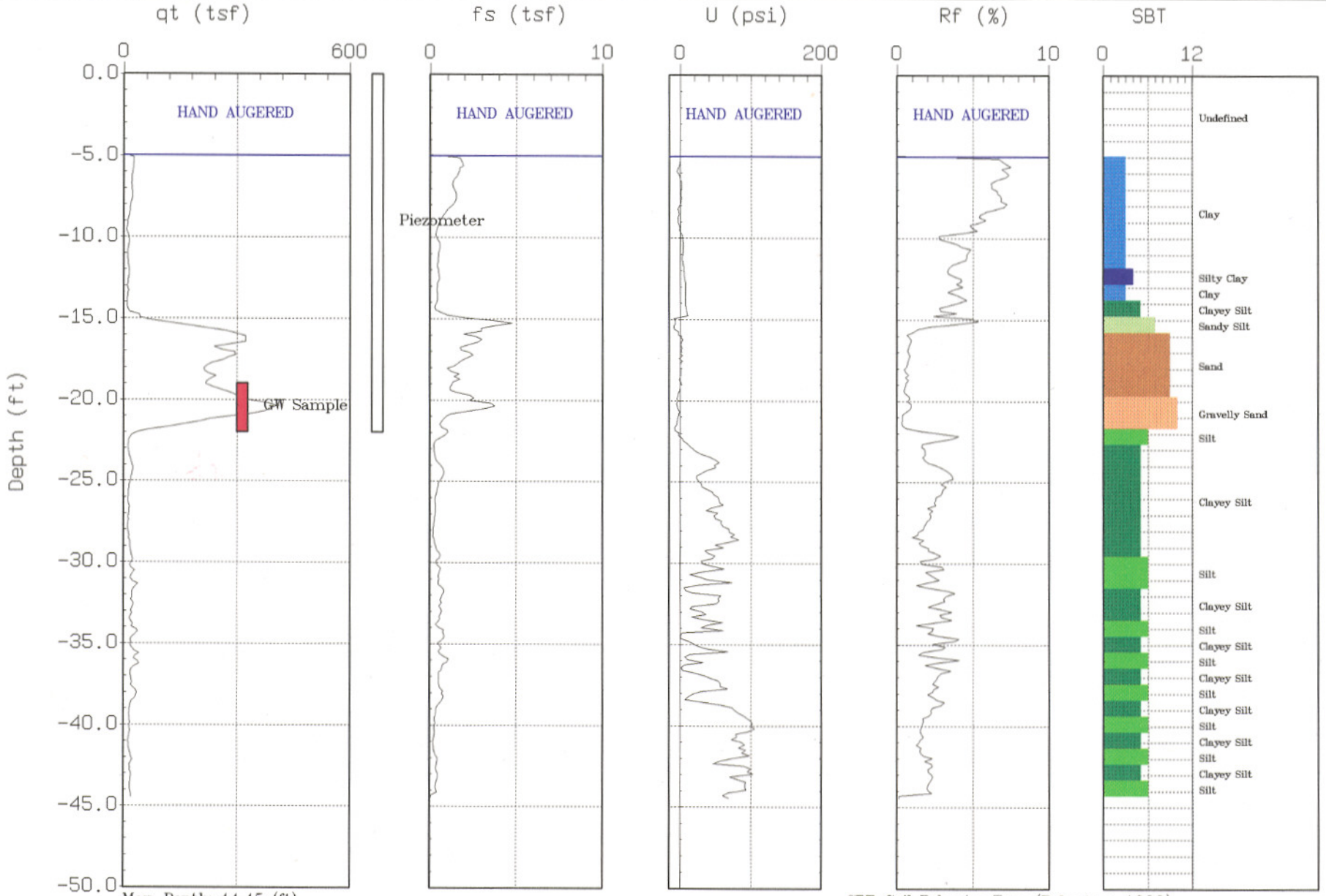
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-7

Geologist : J. ALLAN
Date : 09:05:03 10:30



Max. Depth: 44.45 (ft)

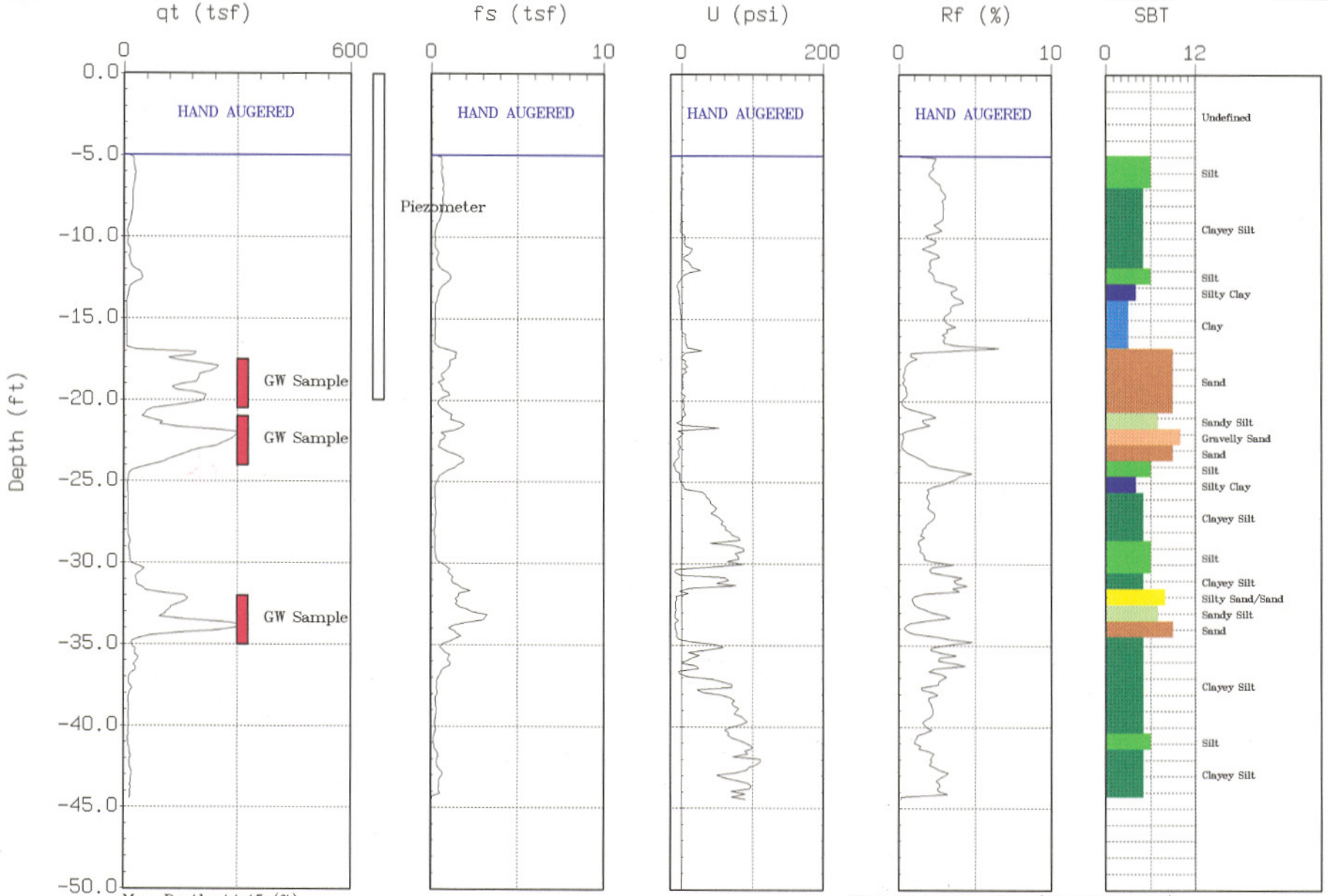
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-8

Geologist : J. ALLAN
Date : 09:05:03 07:59



Max. Depth: 44.45 (ft)

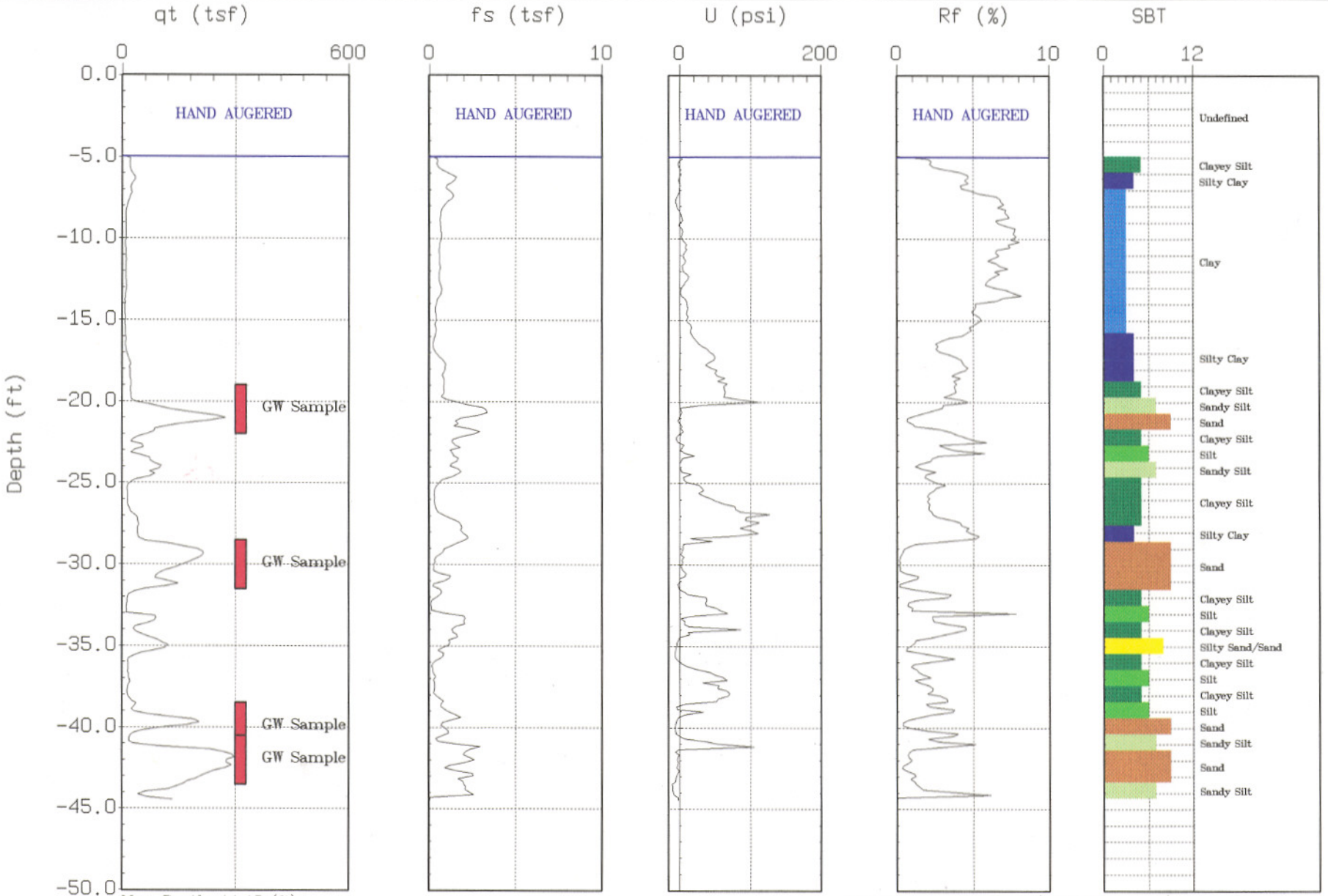
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SGI-9

Geologist : J. ALLAN
Date : 09:05:03 12:54



Max. Depth: 44.45 (ft)

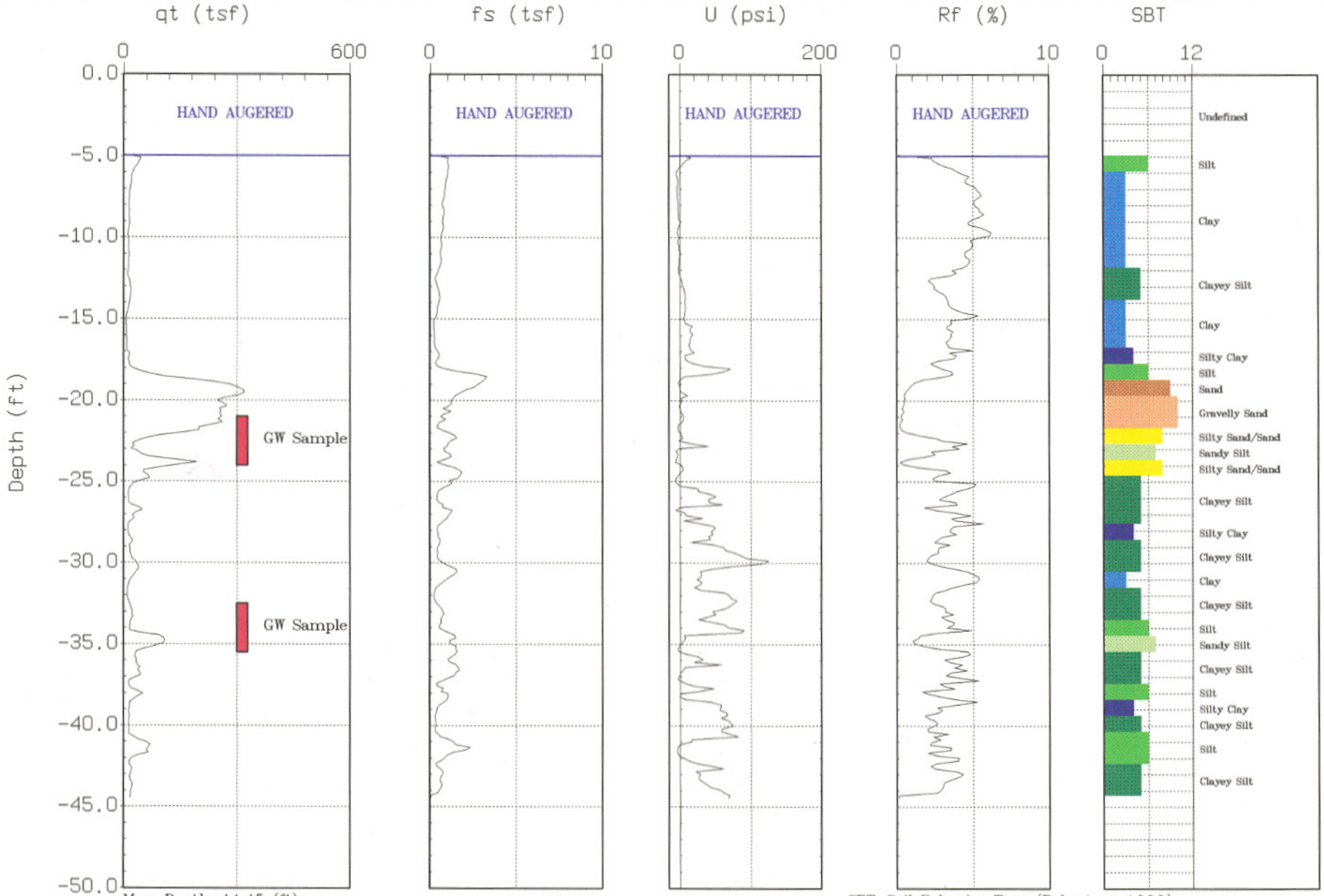
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-10

Geologist : J. ALLAN
Date : 09:08:03 11:11



Max. Depth: 44.45 (ft)

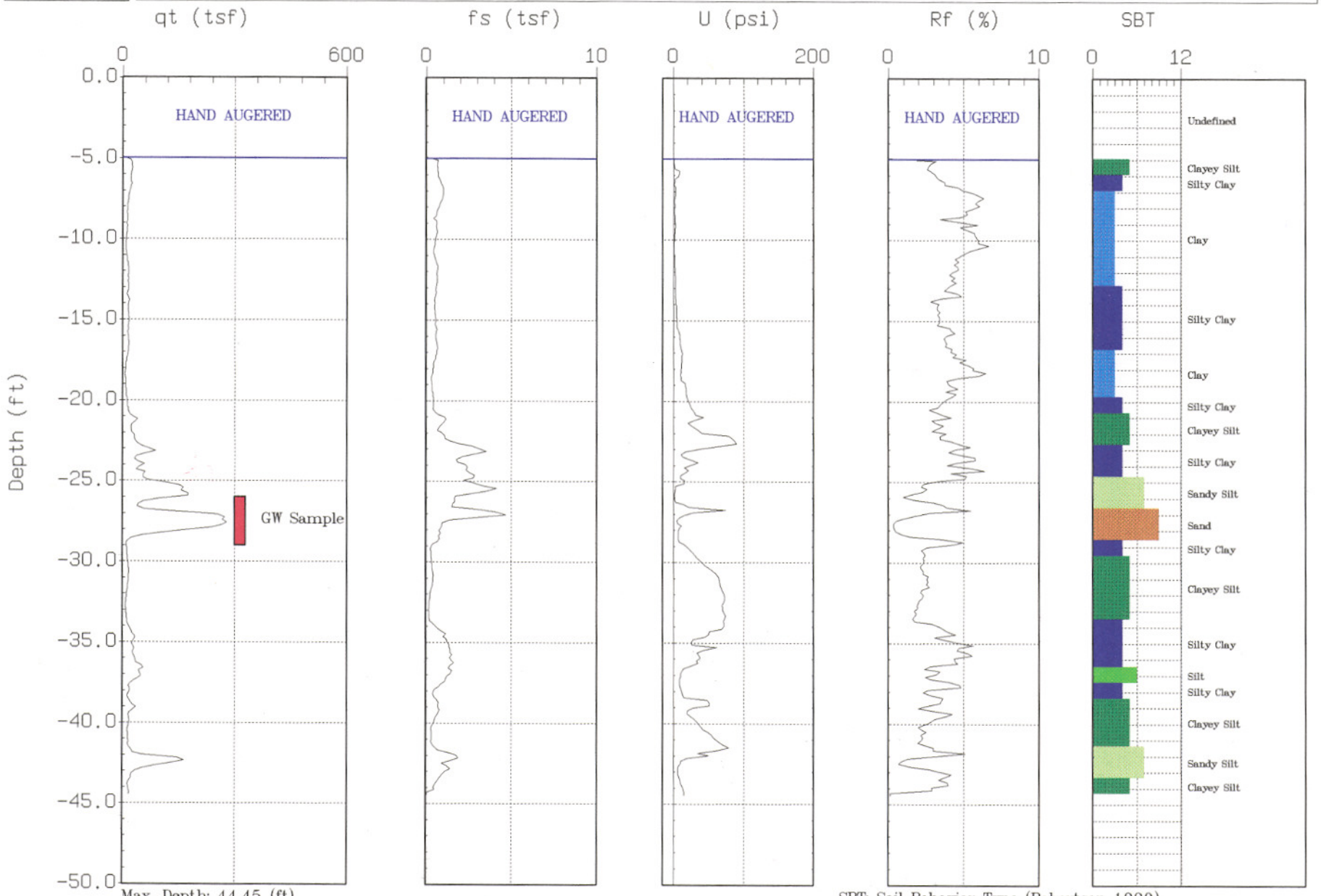
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-11

Geologist : J. ALLAN
Date : 09:08:03 12:53



Max. Depth: 44.45 (ft)

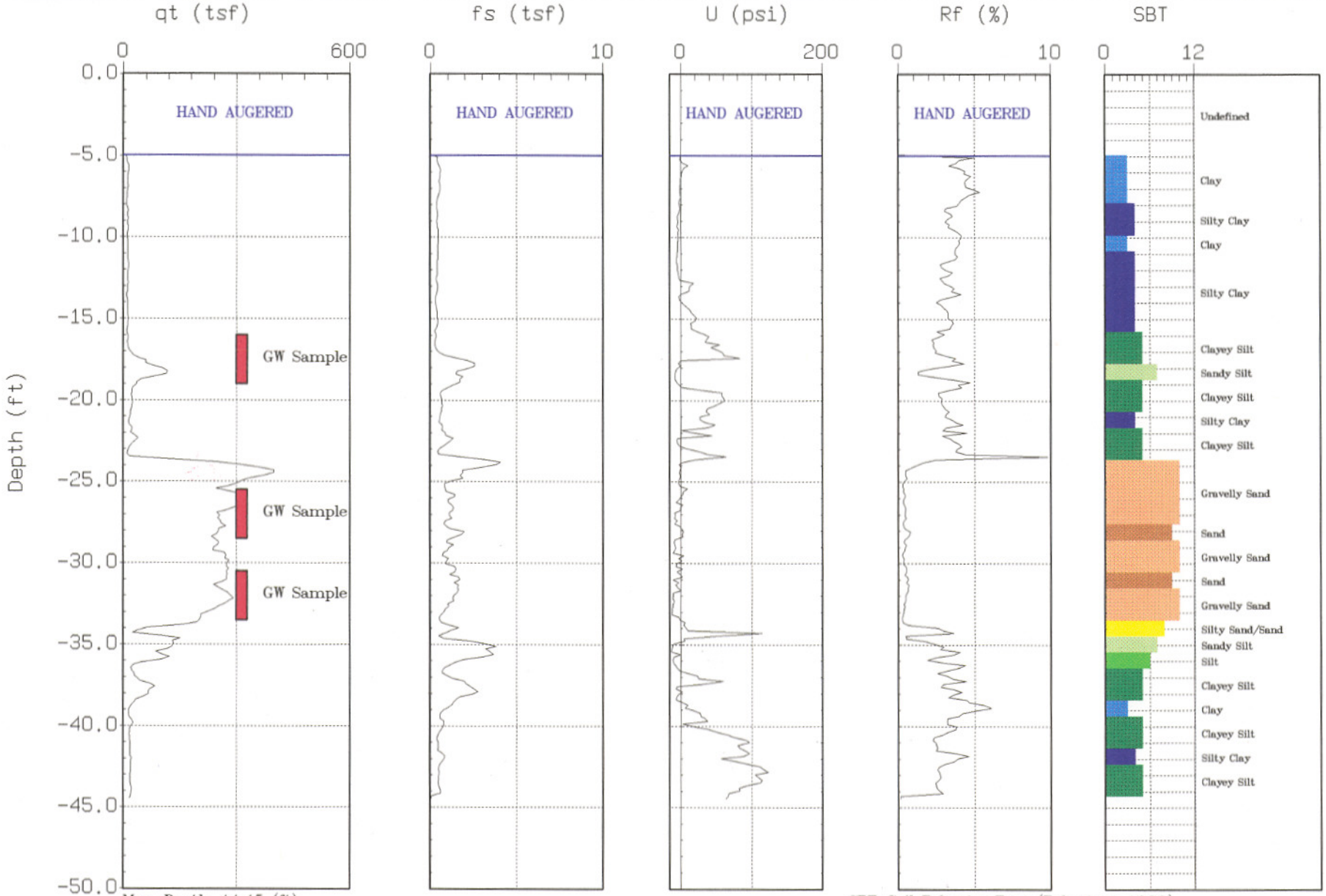
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-12

Geologist : J. ALLAN
Date : 09:09:03 10:07



Max. Depth: 44.45 (ft)

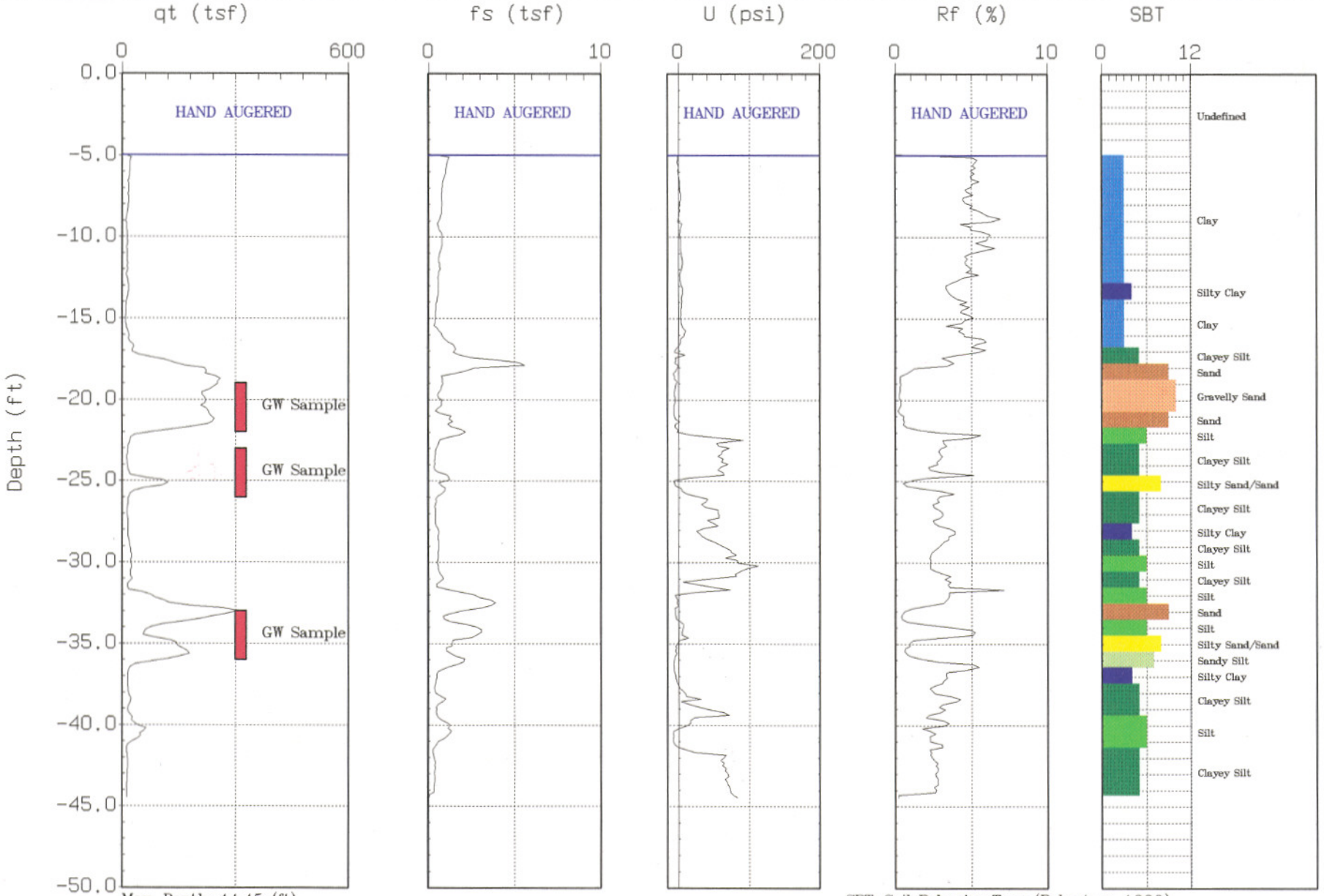
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-13

Geologist : J. ALLAN
Date : 09:09:03 08:10



Max. Depth: 44.45 (ft)

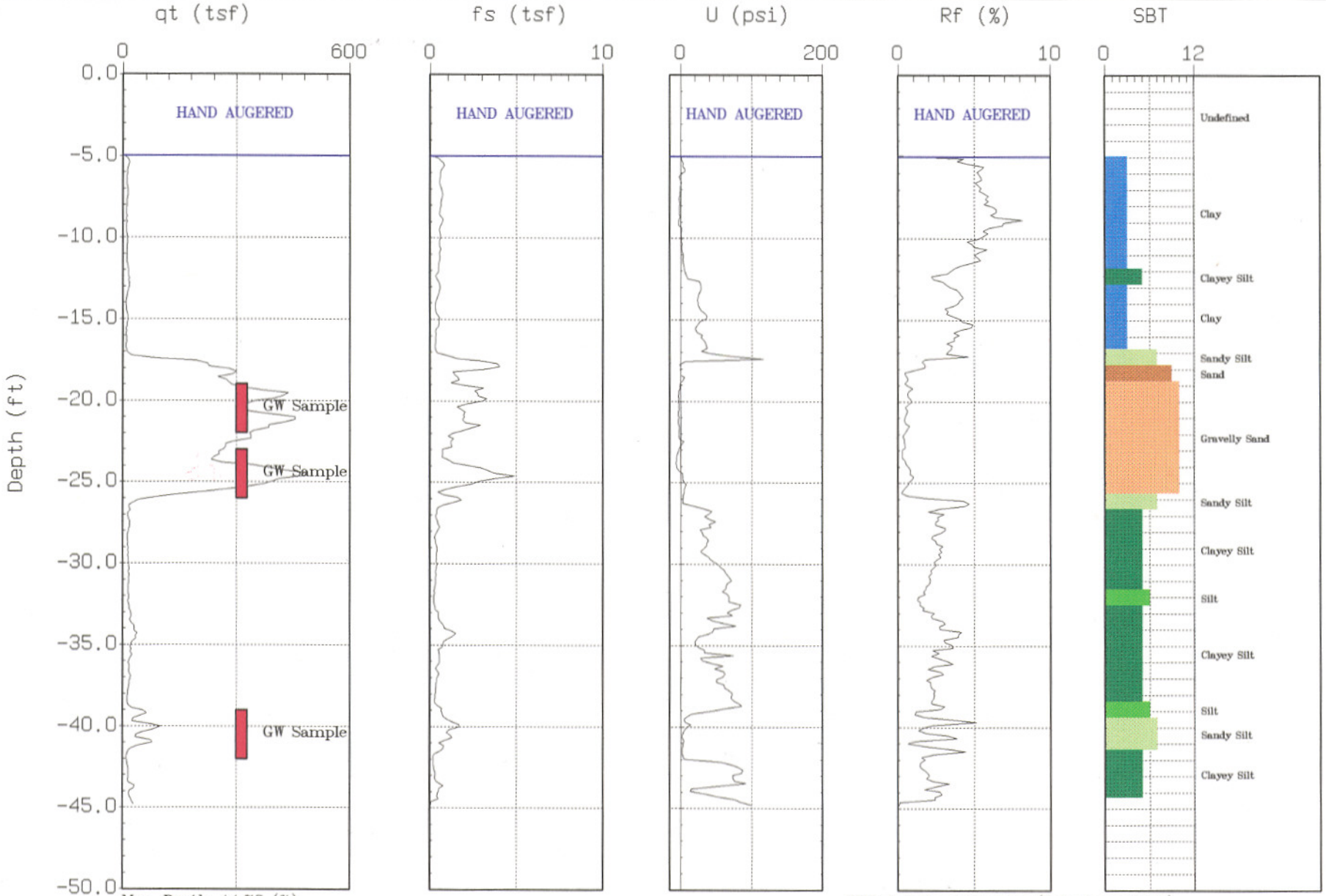
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-14

Geologist : J. ALLAN
Date : 09:09:03 12:10



Max. Depth: 44.78 (ft)

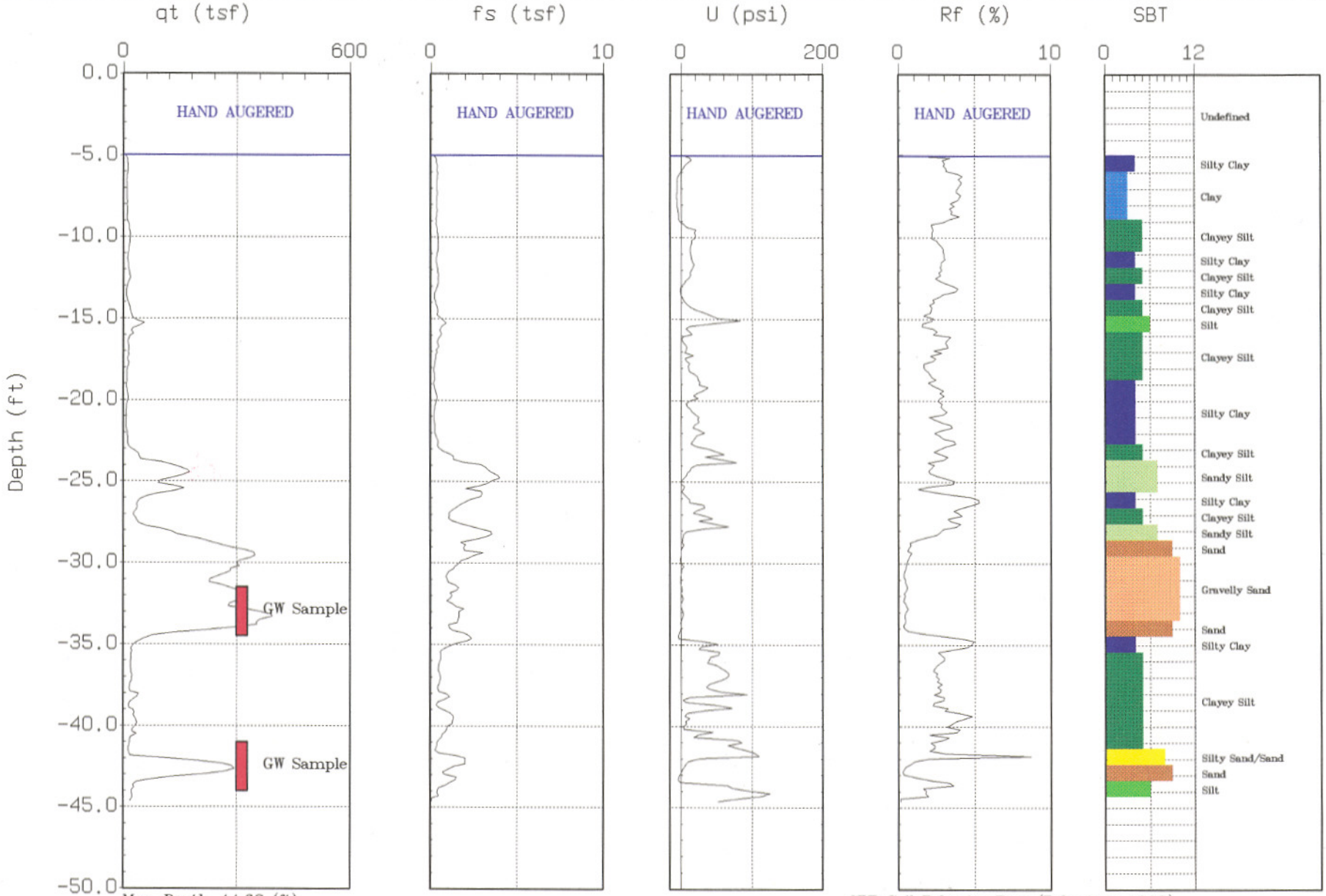
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-15

Geologist : J. ALLAN
Date : 09:09:03 14:24



Max. Depth: 44.62 (ft)

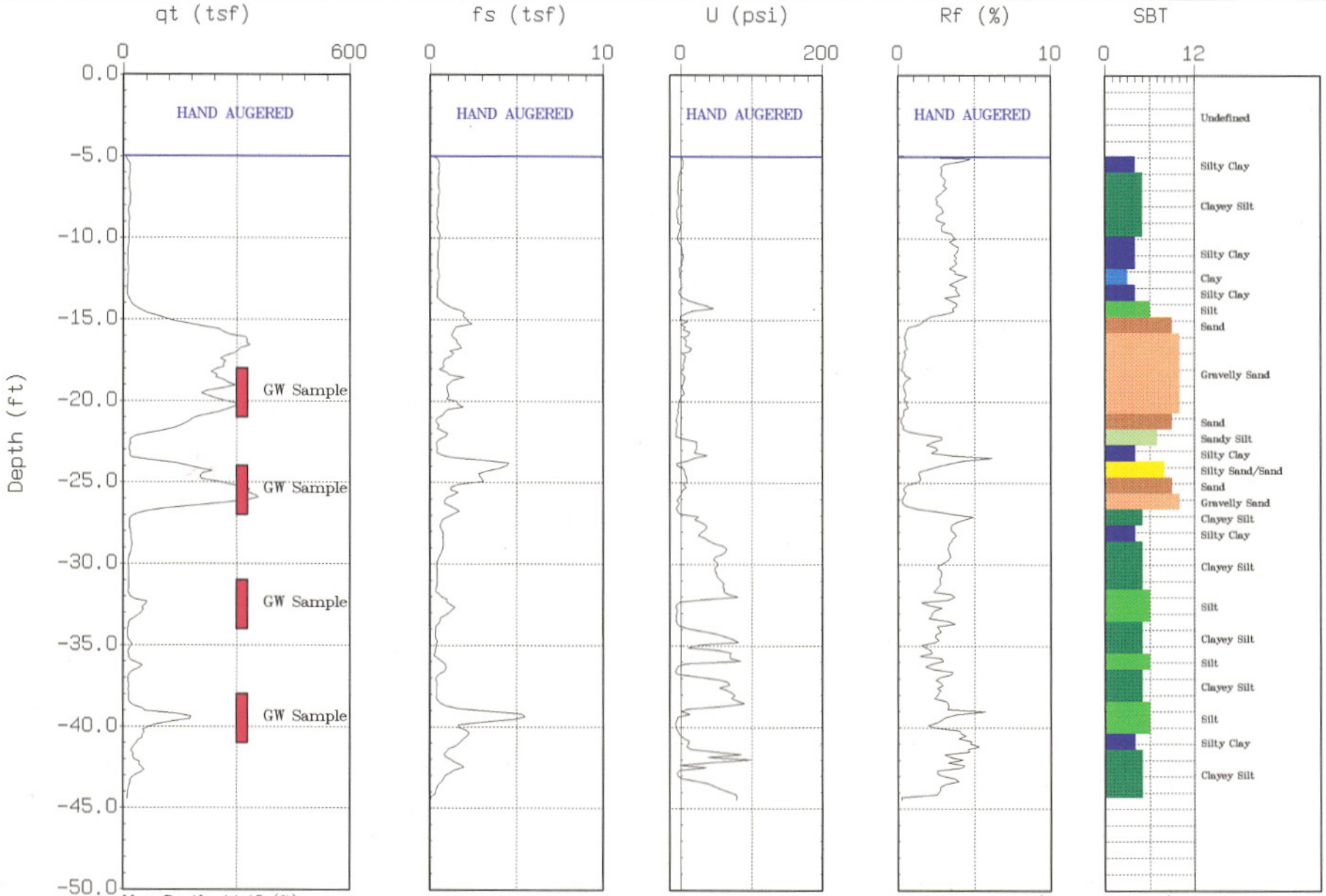
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-16

Geologist : J. ALLAN
Date : 09:10:03 08:08



Max. Depth: 44.45 (ft)

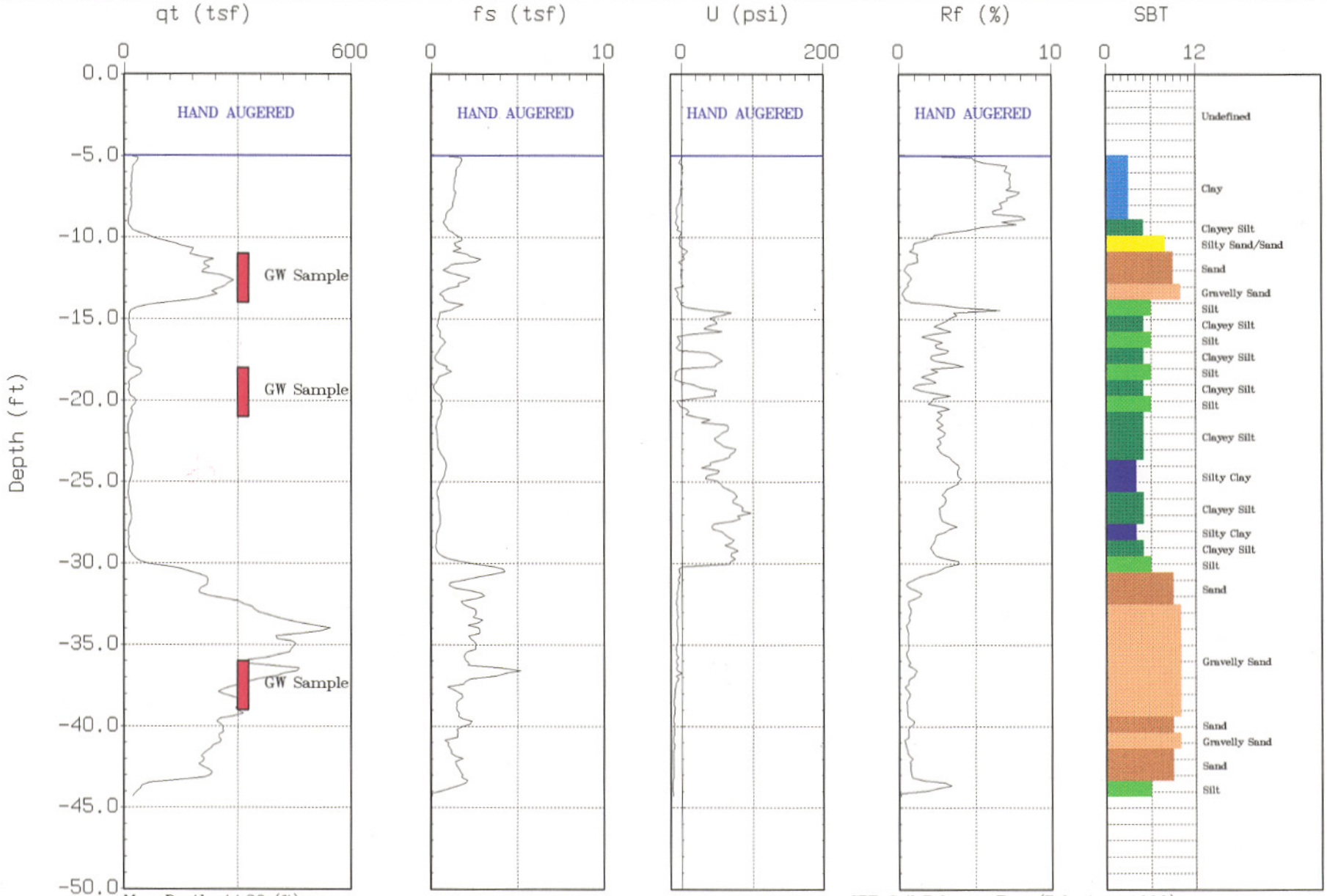
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-17

Geologist : J. ALLAN
Date : 09:10:03 10:58



Max. Depth: 44.29 (ft)

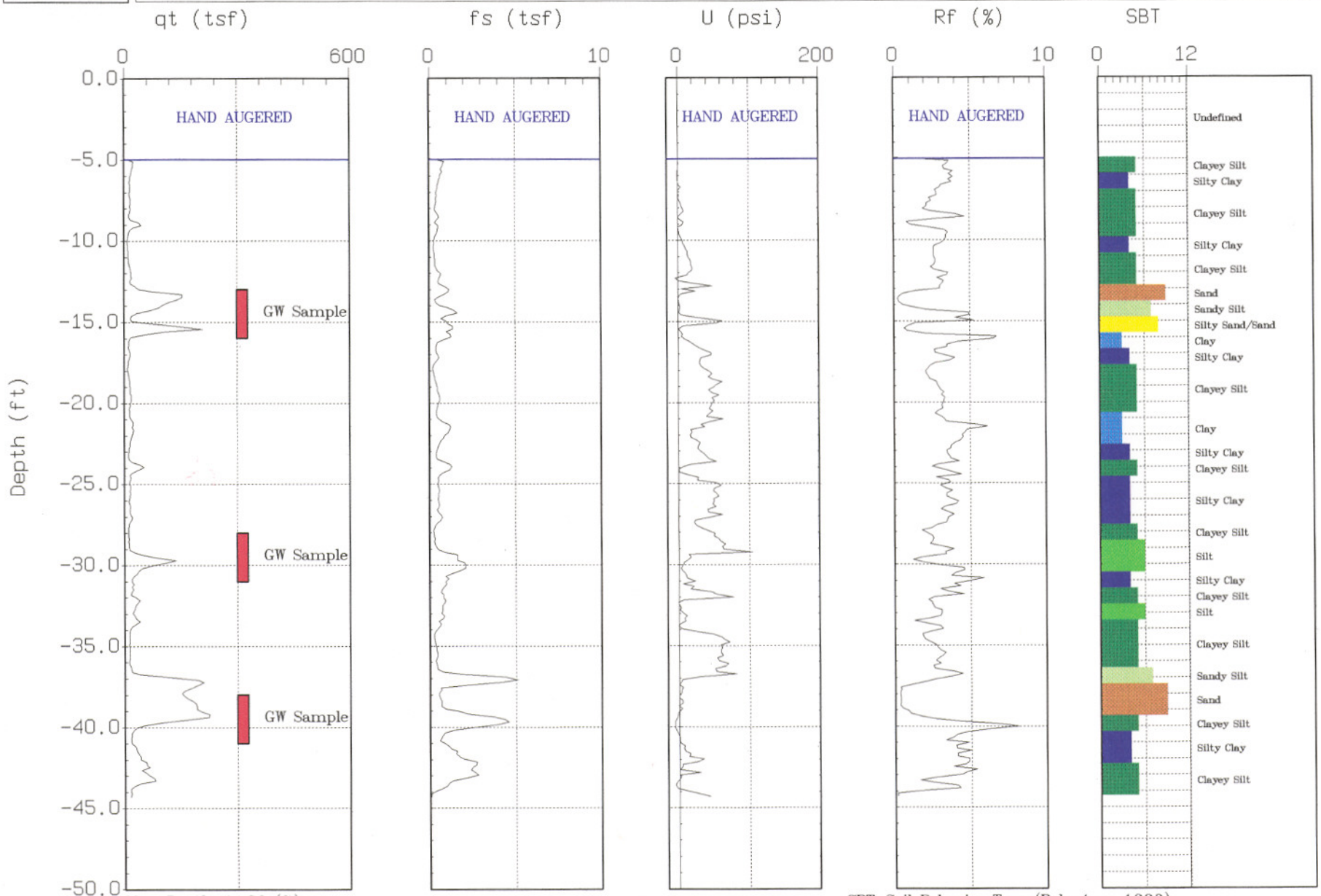
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-18

Geologist : J. ALLAN
Date : 09:10:03 14:03



Max. Depth: 44.29 (ft)

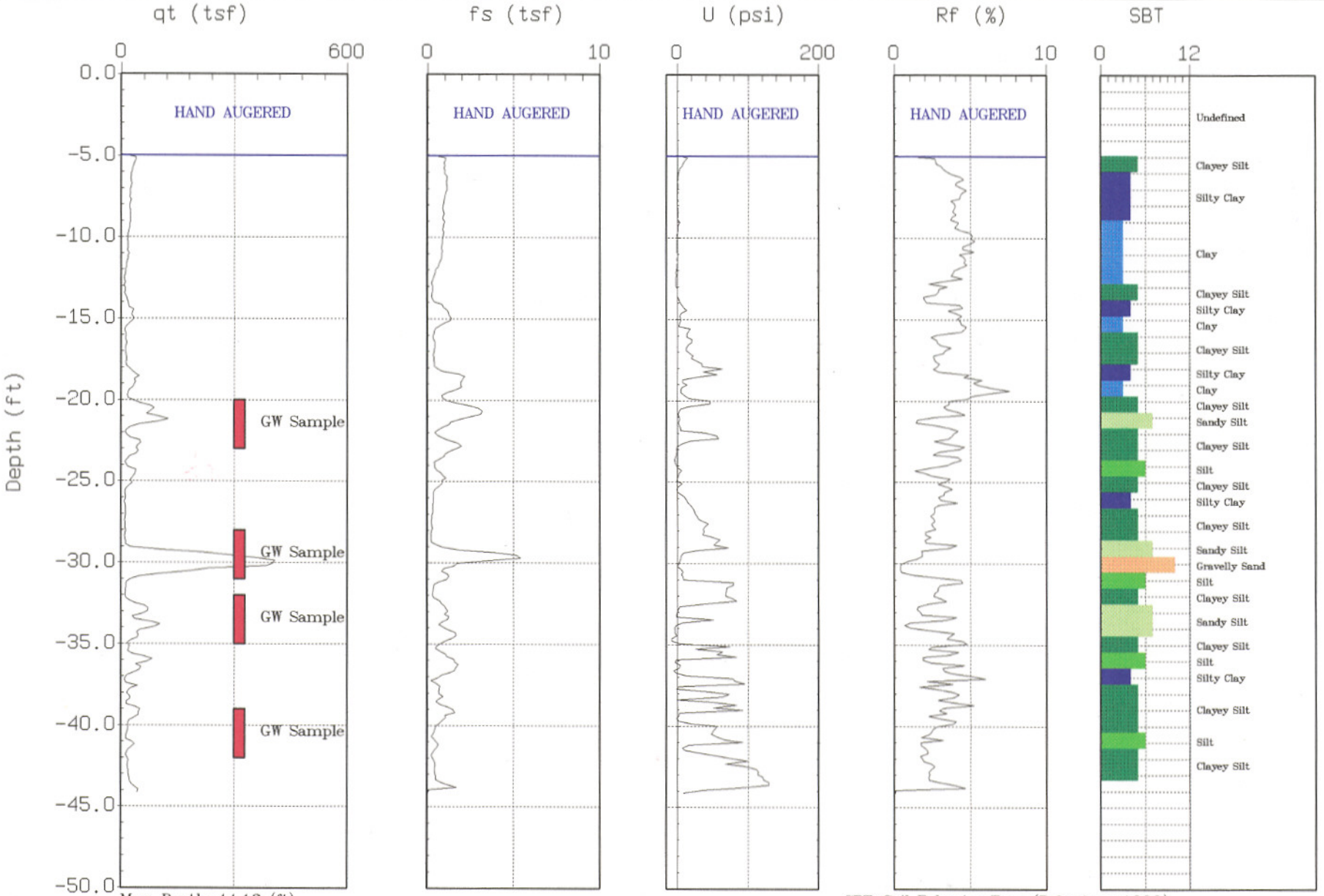
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

THE SI GROUP

Site : MOFFETT PRP
Location : SIG-19

Geologist : J. ALLAN
Date : 09:11:03 10:18



Max. Depth: 44.13 (ft)

Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG1**	**SIG1**	**SIG1**	**SIG1**	**SIG2**	**SIG2**
Sample Date	**9/6/2003**	**9/6/2003**	**9/6/2003**	**9/6/2003**	**9/6/2003**	**9/6/2003**
Screen Interval (feet bgs)	**16.5-18**	**20-22**	**35-38**	**39-41**	**18.5-20**	**22-25**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
VINYL CHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-DICHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
METHYLENE CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TRANS-1,2-DICHLOROETHENE	**0.52**	**0.59**	**0.72**	<0.5	**0.53**	<0.5
CIS-1,2-DICHLOROETHENE	**1.3**	**1.5**	**26**	<0.5	**7.1**	**5.5**
1,1-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROFORM	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1.1-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARBON TETRACHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.2-DICHLOROETHANE	**14**	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROETHENE	<0.5	**16**	**2.6**	<0.5	**19**	**25**
1,2-DICHLOROPROPANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-CHLOROETHYLVINYL ETHER	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TETRACHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DIBROMOCHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BROMOFORM	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-TETRACHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.4-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROFLUOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG2**	**SIG2 DUP**	**SIG2**	**SIG3**	**SIG4**	**SIG5**
Sample Date	**9/6/2003**	**9/6/2003**	**9/6/2003**	**9/8/2003**	**9/8/2003**	**9/4/2003**
Screen Interval (feet bgs)	**37-39**	**37-39**	**42-44.5**	**30-34**	**30-35**	**20-23**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
VINYL CHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1-DICHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
METHYLENE CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<10
TRANS-1,2-DICHLOROETHENE	<0.5	**0.51**	<0.5	<0.5	**0.9**	**2.5**
CIS-1,2-DICHLOROETHENE	**9.3**	**12**	**1.7**	<0.5	**5**	**190**
1,1-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
CHLOROFORM	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1.1-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
CARBON TETRACHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1.2-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
TRICHLOROETHENE	**15**	**7.4**	**26**	<0.5	**5.8**	**81**
1,2-DICHLOROPROPANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
BROMODICHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
2-CHLOROETHYLVINYL ETHER	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
TRANS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
CIS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
TETRACHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
DIBROMOCHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
CHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
BROMOFORM	<0.5	<0.5	<0.5	<0.5	<0.5	<4.0
1,1,2,2-TETRACHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,3-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1.4-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,2-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
TRICHLOROFLUOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG5**	**SIG6**	**SIG6**	**SIG6**	**SIG7**	**SIG8**
Sample Date	**9/4/2003**	**9/4/2003**	**9/4/2003**	**9/4/2003**	**9/5/2003**	**9/5/2003**
Screen Interval (feet bgs)	**38-42**	**15-20**	**29-31**	**33-38**	**17-22**	**16.5-20.5**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<10.0	<5.0	<5.0	<5.0	<2.0	<2.0
VINYL CHLORIDE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
CHLOROETHANE	<10	<5.0	<5.0	<5.0	<2.0	<2.0
TRICHLOROFLUOROMETHANE	<10	<5.0	<5.0	<5.0	<2.0	<2.0
1,1-DICHLOROETHENE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
METHYLENE CHLORIDE	<50	<25	<25	<25	<10	<10
TRANS-1,2-DICHLOROETHENE	<5.0	**3.6**	**4.2**	<2.5	3.3	4.2
CIS-1,2-DICHLOROETHENE	**110**	**110**	**190**	**70**	41	48
1,1-DICHLOROETHANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
CHLOROFORM	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
1,1.1-TRICHLOROETHANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
CARBON TETRACHLORIDE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
1.2-DICHLOROETHANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
TRICHLOROETHENE	**870**	**230**	**400**	**420**	**75**	**87**
1,2-DICHLOROPROPANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
BROMODICHLOROMETHANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
2-CHLOROETHYLVINYL ETHER	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
TRANS-1,3-DICHLOROPROPENE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
CIS-1,3-DICHLOROPROPENE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
1,1,2-TRICHLOROETHANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
TETRACHLOROETHENE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
DIBROMOCHLOROMETHANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
CHLOROBENZENE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
BROMOFORM	<20	<10	<10	<10	<1.0	<1.0
1,1,2,2-TETRACHLOROETHANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
1,3-DICHLOROBENZENE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
1.4-DICHLOROBENZENE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
1,2-DICHLOROBENZENE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
TRICHLOROFLUOROETHANE	<5.0	<2.5	<2.5	<2.5	<1.0	<1.0
CHLOROMETHANE	<10	<5.0	<5.0	<5.0	<2.0	<2.0
BROMOMETHANE	<10	<5.0	<5.0	<5.0	<2.0	<2.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG8**	**SIG8**	**SIG9**	**SIG9 DUP**	**SIG9**	**SIG9**
Sample Date	**9/5/2003**	**9/5/2003**	**9/5/2003**	**9/5/2003**	**9/5/2003**	**9/5/2003**
Screen Interval (feet bgs)	**21.5-24**	**33-35**	**20.5-22**	**20.5-22**	**28.5-31.5**	**39-40.5**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<2.0	<5.0	<1.0	<1.0	<2.0	<1.0
VINYL CHLORIDE	1.5	3.7	<0.5	<0.5	<1.0	<0.5
CHLOROETHANE	<2.0	<5.0	<1.0	<1.0	<2.0	<1.0
TRICHLOROFLUOROMETHANE	<2.0	<5.0	<1.0	<1.0	<2.0	<1.0
1,1-DICHLOROETHENE	1.3	3.1	<0.5	<0.5	<1.0	<0.5
METHYLENE CHLORIDE	<10	<25	<5.0	<5.0	<10	<5.0
TRANS-1,2-DICHLOROETHENE	12	25	<0.5	<0.5	**4.8**	<0.5
CIS-1,2-DICHLOROETHENE	120	210	<0.5	<0.5	**130**	<0.5
1,1-DICHLOROETHANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
CHLOROFORM	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
1,1.1-TRICHLOROETHANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
CARBON TETRACHLORIDE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
1.2-DICHLOROETHANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
TRICHLOROETHENE	**100**	**160**	<0.5	<0.5	**110**	<0.5
1,2-DICHLOROPROPANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
BROMODICHLOROMETHANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
2-CHLOROETHYLVINYL ETHER	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
TRANS-1,3-DICHLOROPROPENE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
CIS-1,3-DICHLOROPROPENE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
1,1,2-TRICHLOROETHANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
TETRACHLOROETHENE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
DIBROMOCHLOROMETHANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
CHLOROBENZENE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
BROMOFORM	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
1,1,2,2-TETRACHLOROETHANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
1,3-DICHLOROBENZENE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
1.4-DICHLOROBENZENE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
1,2-DICHLOROBENZENE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
TRICHLOROFLUOROETHANE	<1.0	<2.5	<0.5	<0.5	<1.0	<0.5
CHLOROMETHANE	<2.0	<5.0	<1.0	<1.0	<2.0	<1.0
BROMOMETHANE	<2.0	<5.0	<1.0	<1.0	<2.0	<1.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG9**	**SIG10**	**SIG10**	**SIG11**	**SIG11**	**SIG12**
Sample Date	**9/5/2003**	**9/8/2003**	**9/8/2003**	**9/8/2003**	**9/8/2003**	**9/9/2003**
Screen Interval (feet bgs)	**41-43.5**	**19-24**	**34-36**	**24-29**	**41-43.5**	**17-19**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<10	<1.0	<1.0	<20	<1.0	<1.0
VINYL CHLORIDE	<5.0	<0.5	<0.5	<1.0	<0.5	<0.5
CHLOROETHANE	<10	<1.0	<1.0	<20	<1.0	<1.0
TRICHLOROFLUOROMETHANE	<10	<1.0	<1.0	<20	<1.0	<1.0
1,1-DICHLOROETHENE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
METHYLENE CHLORIDE	<50	<5.0	<5.0	<100	<5.0	<5.0
TRANS-1,2-DICHLOROETHENE	**5.7**	**1.6**	<0.5	**14**	<0.5	<0.5
CIS-1,2-DICHLOROETHENE	**260**	**6.7**	<0.5	**570**	<0.5	**5.4**
1,1-DICHLOROETHANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
CHLOROFORM	<5.0	<0.5	<0.5	<10	<0.5	<0.5
1,1.1-TRICHLOROETHANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
CARBON TETRACHLORIDE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
1.2-DICHLOROETHANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
TRICHLOROETHENE	**850**	**44**	**1.1**	**160**	<0.5	**1.5**
1,2-DICHLOROPROPANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
BROMODICHLOROMETHANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
2-CHLOROETHYLVINYL ETHER	<5.0	<0.5	<0.5	<10	<0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
CIS-1,3-DICHLOROPROPENE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
1,1,2-TRICHLOROETHANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
TETRACHLOROETHENE	<5.0	**3.5**	<0.5	<10	<0.5	<0.5
DIBROMOCHLOROMETHANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
CHLOROBENZENE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
BROMOFORM	<5.0	<0.5	<0.5	<10	<0.5	<2.0
1,1,2,2-TETRACHLOROETHANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
1,3-DICHLOROBENZENE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
1.4-DICHLOROBENZENE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
1,2-DICHLOROBENZENE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
TRICHLOROFLUOROETHANE	<5.0	<0.5	<0.5	<10	<0.5	<0.5
CHLOROMETHANE	<10	<1.0	<1.0	<20	<1.0	<1.0
BROMOMETHANE	<10	<1.0	<1.0	<20	<1.0	<1.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG12**	**SIG12 DUP**	**SIG12**	**SIG13**	**SIG13**	**SIG13**
Sample Date	**9/9/2003**	**9/9/2003**	**9/9/2003**	**9/9/2003**	**9/9/2003**	**9/9/2003**
Screen Interval (feet bgs)	**23.5-28.5**	**23.5-28.5**	**28-33.5**	**18-22**	**24-26**	**32-36**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
VINYL CHLORIDE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
CHLOROETHANE	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
1,1-DICHLOROETHENE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
METHYLENE CHLORIDE	<5.0	<5.0	<5.0	<25	<5.0	<5.0
TRANS-1,2-DICHLOROETHENE	<0.5	<0.5	**0.8**	<2.5	<0.5	<0.5
CIS-1,2-DICHLOROETHENE	**0.78**	**0.55**	**2.1**	**19**	**54**	**2.9**
1,1-DICHLOROETHANE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
CHLOROFORM	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
1,1.1-TRICHLOROETHANE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
CARBON TETRACHLORIDE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
1.2-DICHLOROETHANE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
TRICHLOROETHENE	**16**	**14**	**28**	**23**	**15**	**24**
1,2-DICHLOROPROPANE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
BROMODICHLOROMETHANE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
2-CHLOROETHYLVINYL ETHER	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
1,1,2-TRICHLOROETHANE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
TETRACHLOROETHENE	<0.5	<0.5	<0.5	**200**	**12**	<0.5
DIBROMOCHLOROMETHANE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
CHLOROBENZENE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
BROMOFORM	<2.0	<2.0	<2.0	<10	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
1,3-DICHLOROBENZENE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
1.4-DICHLOROBENZENE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
1,2-DICHLOROBENZENE	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5
TRICHLOROFLUOROETHANE	<0.5	**0.52**	<0.5	<2.5	<0.5	<0.5
CHLOROMETHANE	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
BROMOMETHANE	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG14**	**SIG14**	**SIG14**	**SIG15**	**SIG15**	**SIG16**
Sample Date	**9/9/2003**	**9/9/2003**	**9/9/2003**	**9/9/2003**	**9/9/2003**	**9/10/2003**
Screen Interval (feet bgs)	**18-22**	**23-26**	**39-42**	**29.5-34.5**	**41-44**	**16-21**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
VINYL CHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-DICHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
METHYLENE CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TRANS-1,2-DICHLOROETHENE	<0.5	**1.3**	<0.5	<0.5	<0.5	<0.5
CIS-1,2-DICHLOROETHENE	<0.5	**8.2**	<0.5	**2.6**	<0.5	<0.5
1,1-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROFORM	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1.1-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARBON TETRACHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.2-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROETHENE	**12**	**30**	<0.5	**29**	**29**	**0.63**
1,2-DICHLOROPROPANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-CHLOROETHYLVINYL ETHER	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TETRACHLOROETHENE	<0.5	**1.8**	<0.5	<0.5	<0.5	<0.5
DIBROMOCHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BROMOFORM	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.4-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROFLUOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG16**	**SIG16**	**SIG16**	**SIG16 DUP**	**SIG17**	**SIG17**
Sample Date	**9/10/2003**	**9/10/2003**	**9/10/2003**	**9/10/2003**	**9/10/2003**	**9/10/2003**
Screen Interval (feet bgs)	**24-27**	**31-34**	**38-41**	**38-41**	**14-Oct**	**16-21**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
VINYL CHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-DICHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
METHYLENE CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TRANS-1,2-DICHLOROETHENE	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5
CIS-1,2-DICHLOROETHENE	<0.5	<0.5	<0.5	<0.5	**1.4**	<0.5
1,1-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROFORM	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1.1-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARBON TETRACHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.2-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROETHENE	**0.59**	<0.5	<0.5	<0.5	**18**	**0.51**
1,2-DICHLOROPROPANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-CHLOROETHYLVINYL ETHER	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TETRACHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DIBROMOCHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BROMOFORM	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.4-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROFLUOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG17**	**SIG17**	**SIG18**	**SIG18**	**SIG18**	**SIG19**
Sample Date	**9/10/2003**	**9/10/2003**	**9/10/2003**	**9/10/2003**	**9/10/2003**	**9/11/2003**
Screen Interval (feet bgs)	**34-39**	**40-42**	**13-16**	**36-41**	**38-31**	**21-23**
Analyte						
VOCs (EPA Method 8260B) (µg/L)						
DICHORORDIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
VINYL CHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-DICHLOROETHENE	<0.5	<0.5	<0.5	1.3	<0.5	<0.5
METHYLENE CHLORIDE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
TRANS-1,2-DICHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CIS-1,2-DICHLOROETHENE	**0.68**	<0.5	<0.5	**1.6**	**0.52**	<0.5
1,1-DICHLOROETHANE	<0.5	<0.5	<0.5	**1.3**	**0.77**	<0.5
CHLOROFORM	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1.1-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CARBON TETRACHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.2-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROETHENE	9.4	**8.7**	<0.5	**10**	<0.5	<0.5
1,2-DICHLOROPROPANE	**<0.5**	<0.5	<0.5	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-CHLOROETHYLVINYL ETHER	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRANS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CIS-1,3-DICHLOROPROPENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TETRACHLOROETHENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DIBROMOCHLOROMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BROMOFORM	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1.4-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROFLUOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE A.1-4

ARMY OFF-SITE GROUNDWATER VOC DATA
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CALIFORNIA

Sample Location	**SIG19**	**SIG19**	**SIG19 DUP**	**SIG19**
Sample Date	**9/11/2003**	**9/11/2003**	**9/11/2003**	**9/11/2003**
Screen Interval (feet bgs)	**28-31**	**32-35**	**32-35**	**40-42**
Analyte				
VOCs (EPA Method 8260B) (µg/L)				
DICHORORDIFLUOROMETHANE	<20	<10	<20	<10
VINYL CHLORIDE	**30**	**17**	**17**	**5.1**
CHLOROETHANE	<20	<10	<20	<10
TRICHLOROFLUOROMETHANE	<20	<10	<20	<10
1,1-DICHLOROETHENE	<10	**6.7**	<10	<5.0
METHYLENE CHLORIDE	<100	<50	<100	<50
TRANS-1,2-DICHLOROETHENE	**220**	**170**	**160**	**25**
CIS-1,2-DICHLOROETHENE	**980**	**660**	**660**	**300**
1,1-DICHLOROETHANE	<10	<5.0	<10	<5.0
CHLOROFORM	<10	<5.0	<10	<5.0
1,1.1-TRICHLOROETHANE	<10	<5.0	<10	<5.0
CARBON TETRACHLORIDE	<10	<5.0	<10	<5.0
1.2-DICHLOROETHANE	<10	<5.0	<10	<5.0
TRICHLOROETHENE	**420**	**420**	**440**	**8.9**
1,2-DICHLOROPROPANE	<10	<5.0	<10	<5.0
BROMODICHLOROMETHANE	<10	<5.0	<10	<5.0
2-CHLOROETHYLVINYL ETHER	<10	<5.0	<10	<5.0
TRANS-1,3-DICHLOROPROPENE	<10	<5.0	<10	<5.0
CIS-1,3-DICHLOROPROPENE	<10	<5.0	<10	<5.0
1,1,2-TRICHLOROETHANE	<10	<5.0	<10	<5.0
TETRACHLOROETHENE	<10	<5.0	<10	<5.0
DIBROMOCHLOROMETHANE	<10	<5.0	<10	<5.0
CHLOROBENZENE	<10	<5.0	<10	<5.0
BROMOFORM	<40	<20	<40	<20
1,1,2,2-TETRACHLOROETHANE	<10	<5.0	<10	<5.0
1,3-DICHLOROBENZENE	<10	<5.0	<10	<5.0
1.4-DICHLOROBENZENE	<10	<5.0	<10	<5.0
1,2-DICHLOROBENZENE	<10	<5.0	<10	<5.0
TRICHLOROFLUOROETHANE	<10	<5.0	<10	<5.0
CHLOROMETHANE	<20	<10	<20	<10
BROMOMETHANE	<20	<10	<20	<10

Source: The SI Group, 2003

Notes:
Bold – indicates value above laboratory reporting limit

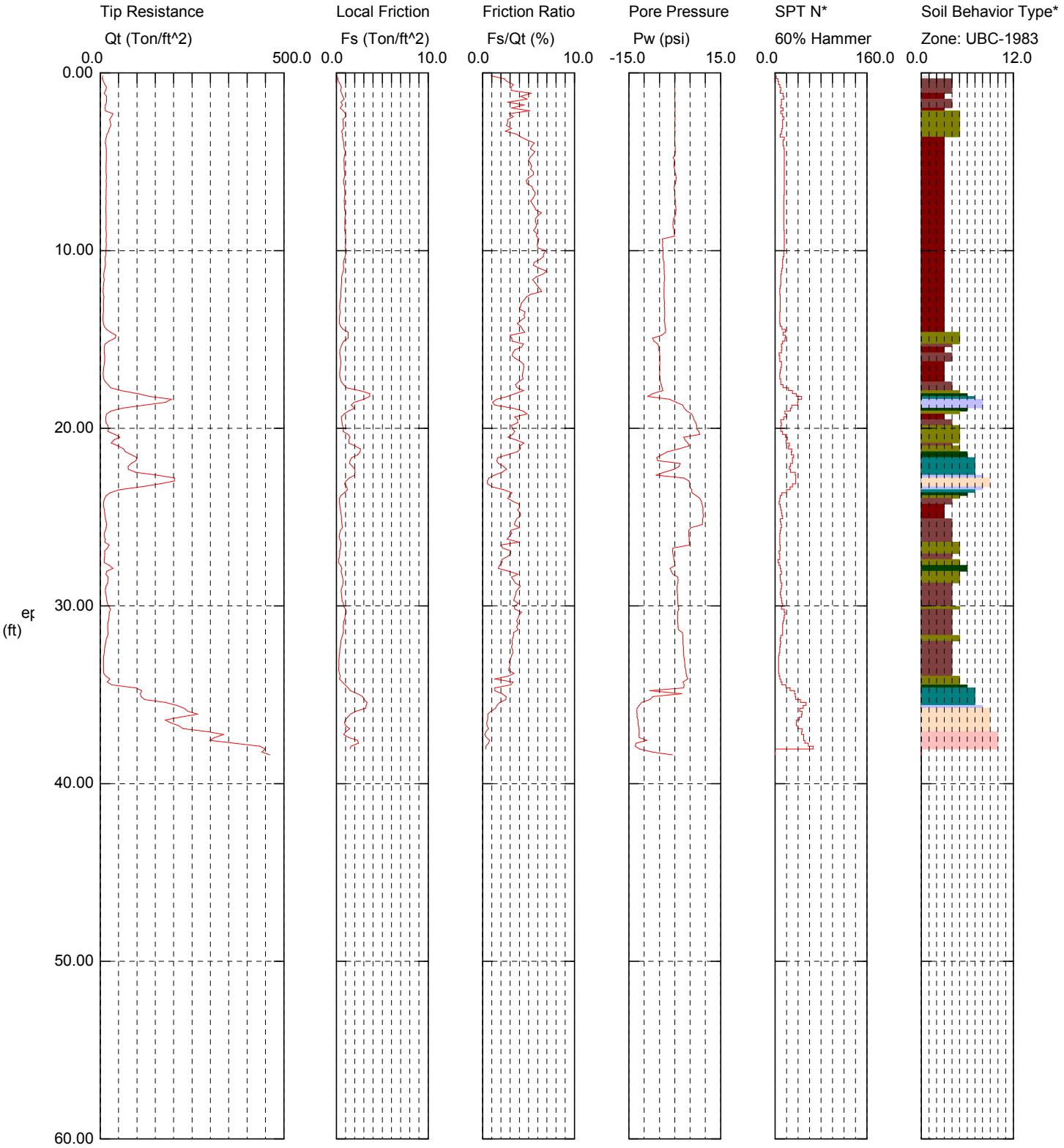
Abbreviations and Acronyms:
µg/L – microgram per liter
bgs – below ground surface
DUP – duplicate sample
EPA – U.S. Environmental Protection Agency
OPHA – Orion Park Housing Area
SIG – The SI Group
VOC – volatile organic compound

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT361
Cone Used: 510

CPT Date/Time: 09-13-05 10:02
Location: HP-01
Job Number:



Maximum Depth = 38.39 feet

Depth Increment = 0.16 feet

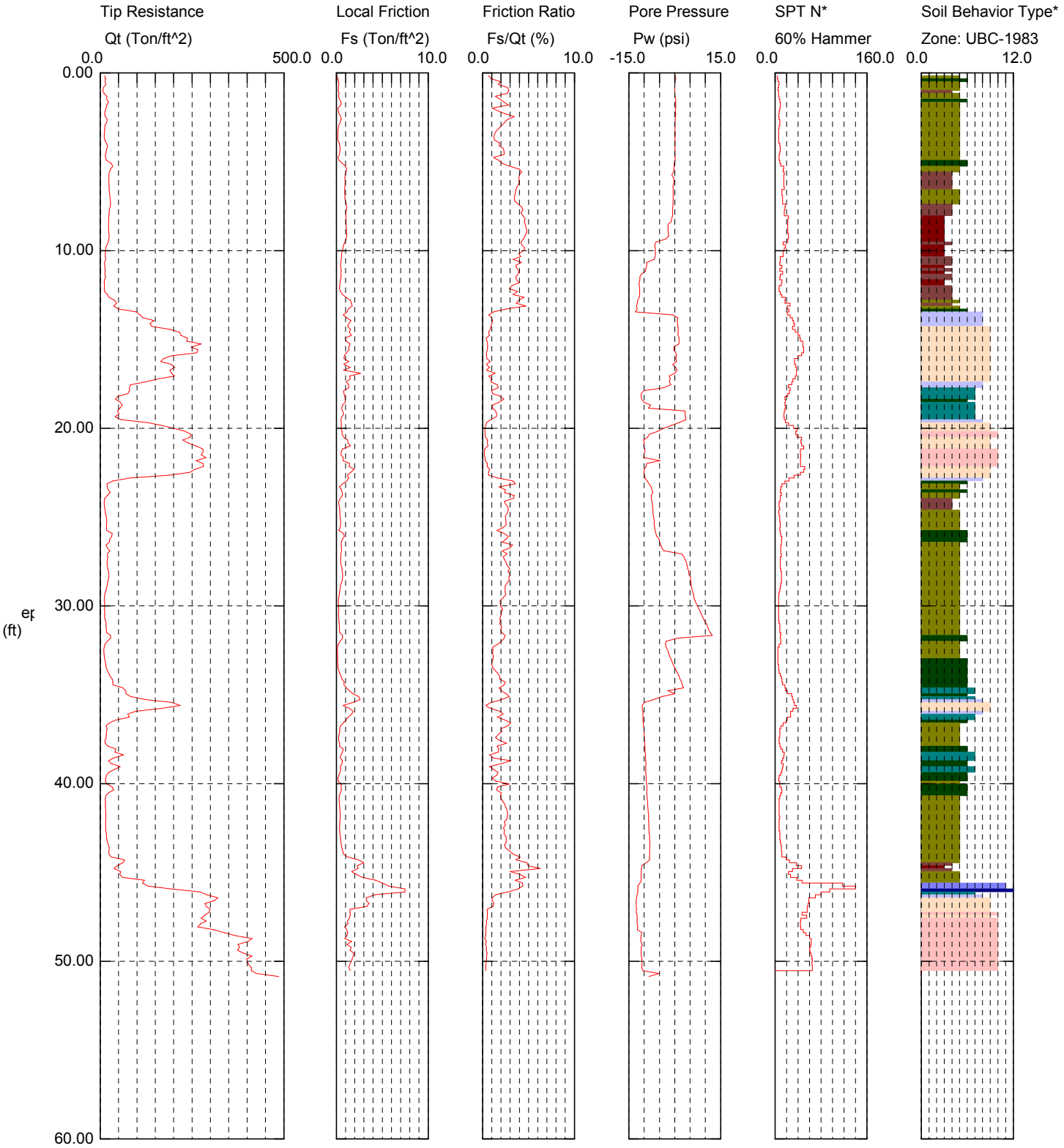
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT362
Cone Used: 510

CPT Date/Time: 09-13-05 14:47
Location: HP-02
Job Number:



Maximum Depth = 50.85 feet

Depth Increment = 0.16 feet

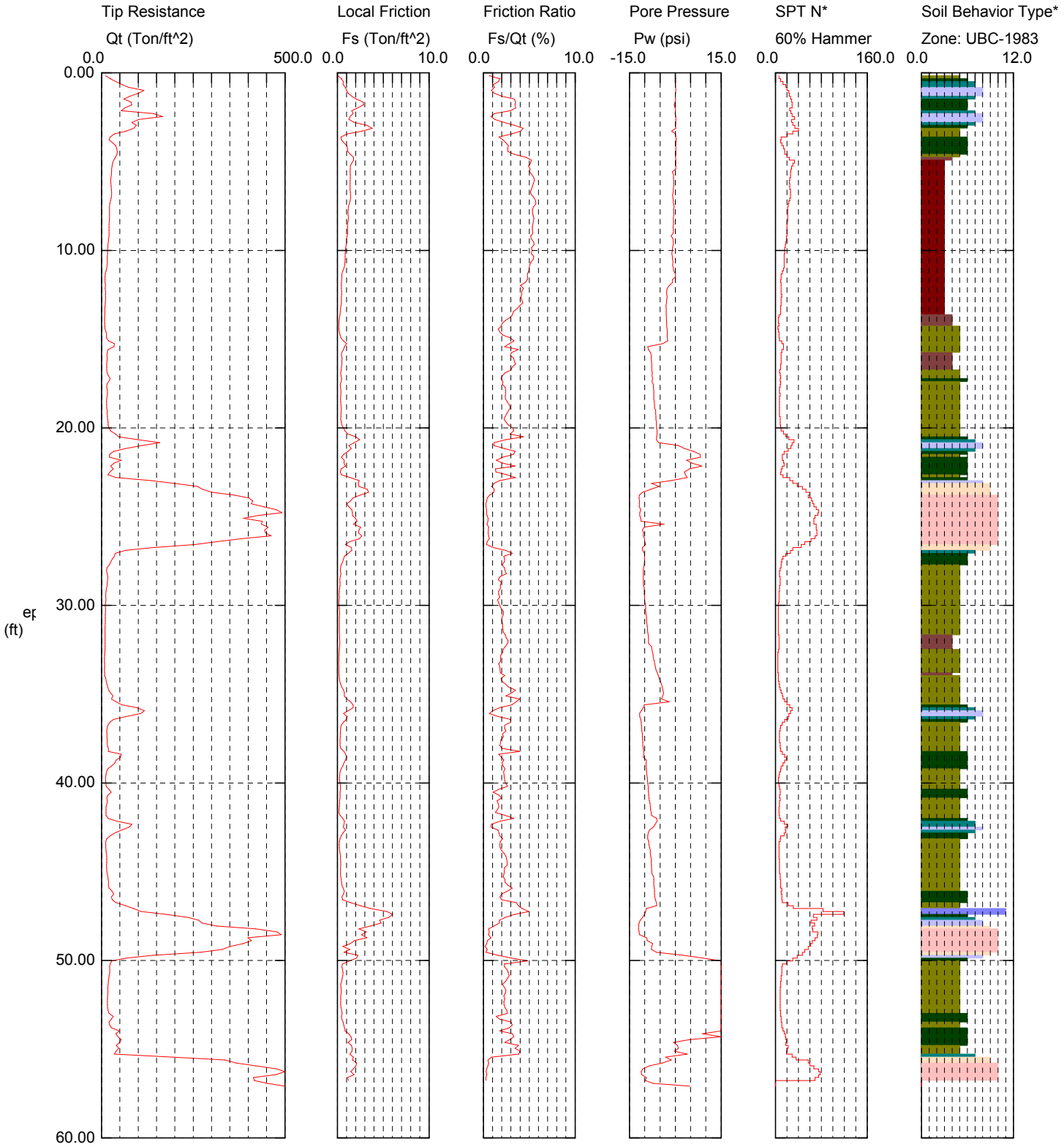
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT364
Cone Used: 510

CPT Date/Time: 09-14-05 08:18
Location: HP-03
Job Number:



Maximum Depth = 57.09 feet

Depth Increment = 0.16 feet

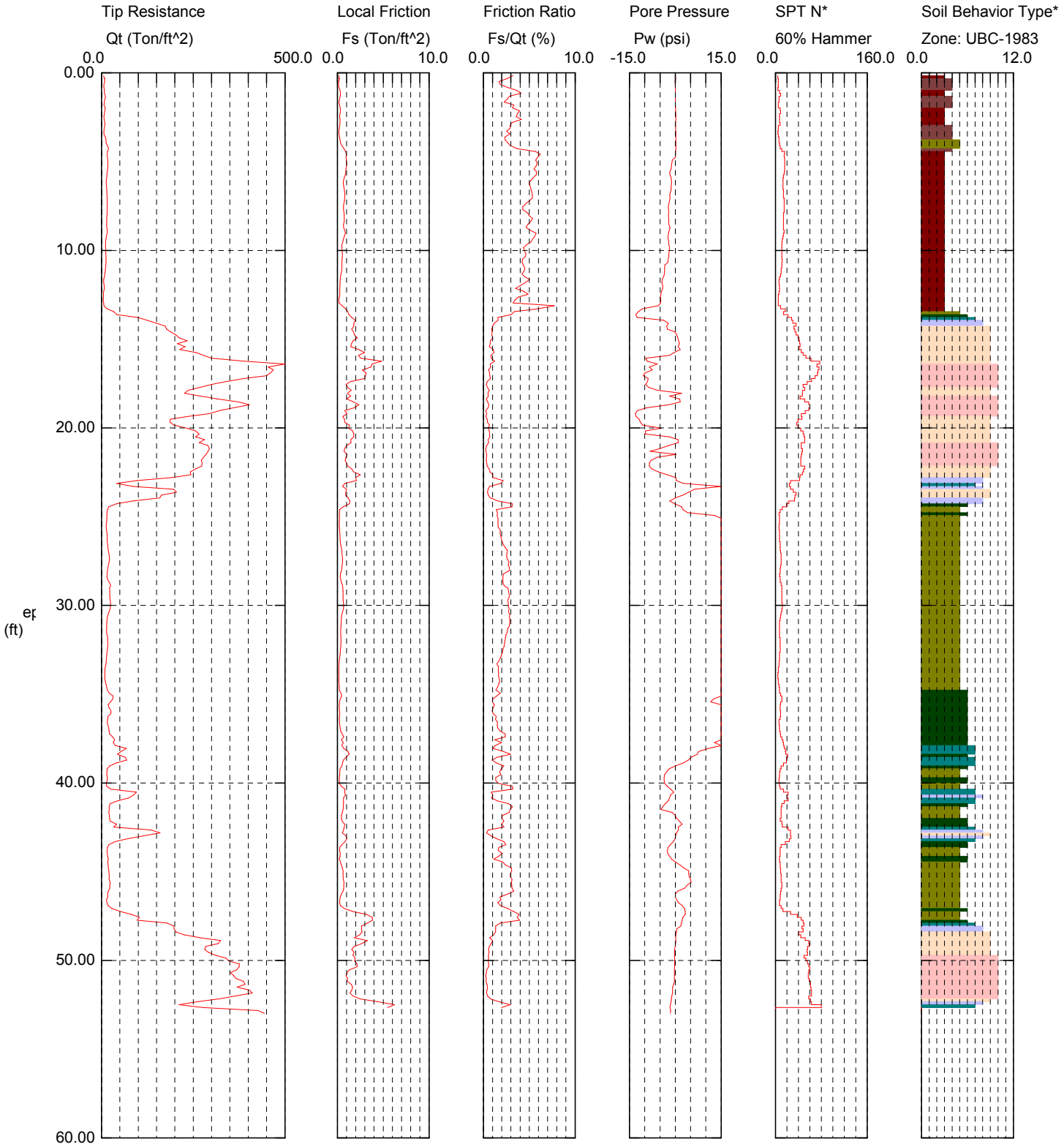
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT365
Cone Used: 510

CPT Date/Time: 09-14-05 13:15
Location: HP-04
Job Number:



Maximum Depth = 52.99 feet

Depth Increment = 0.16 feet

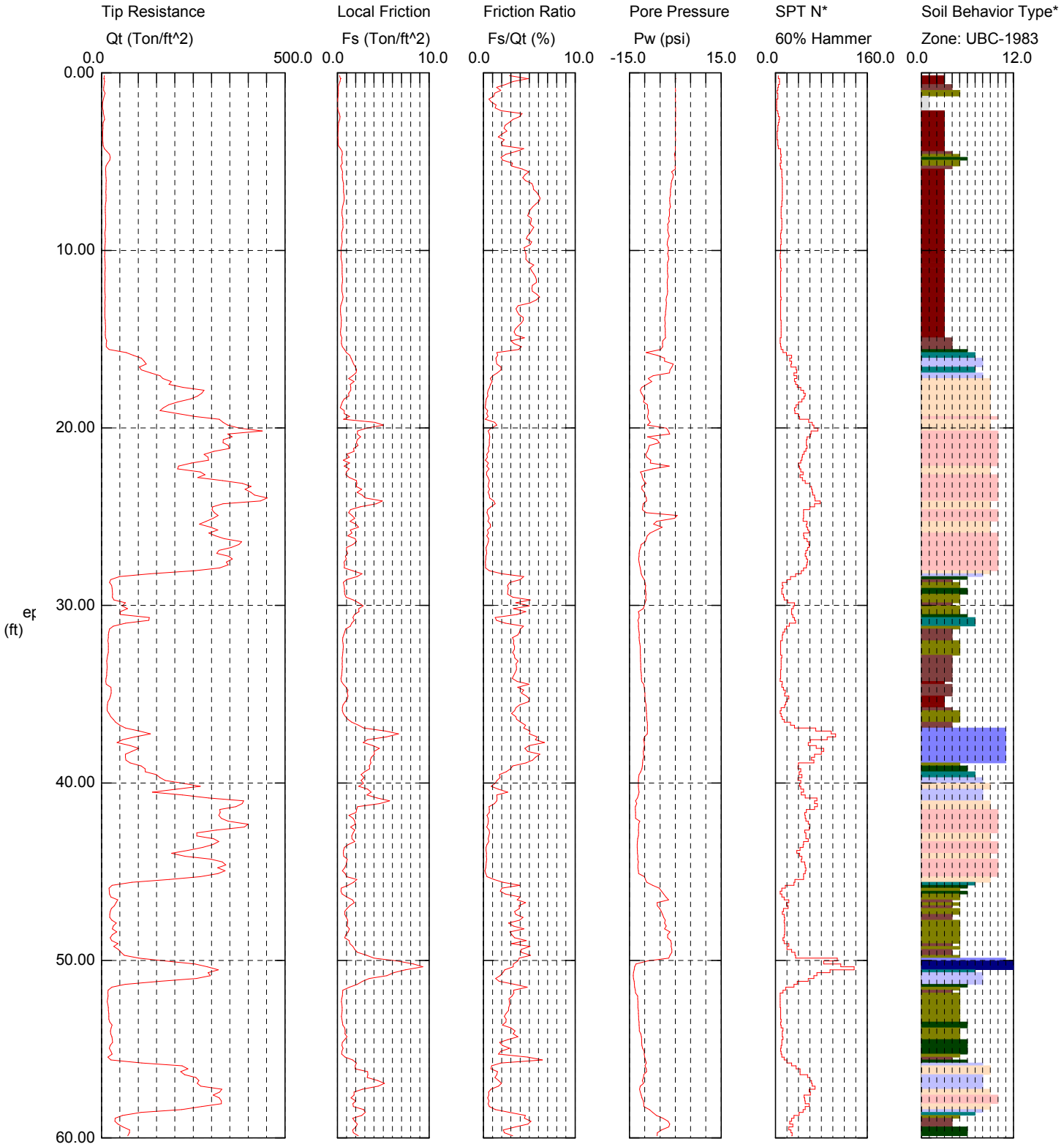
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT366
Cone Used: 510

CPT Date/Time: 09-15-05 08:52
Location: HP-05
Job Number:



Maximum Depth = 60.53 feet

Depth Increment = 0.16 feet

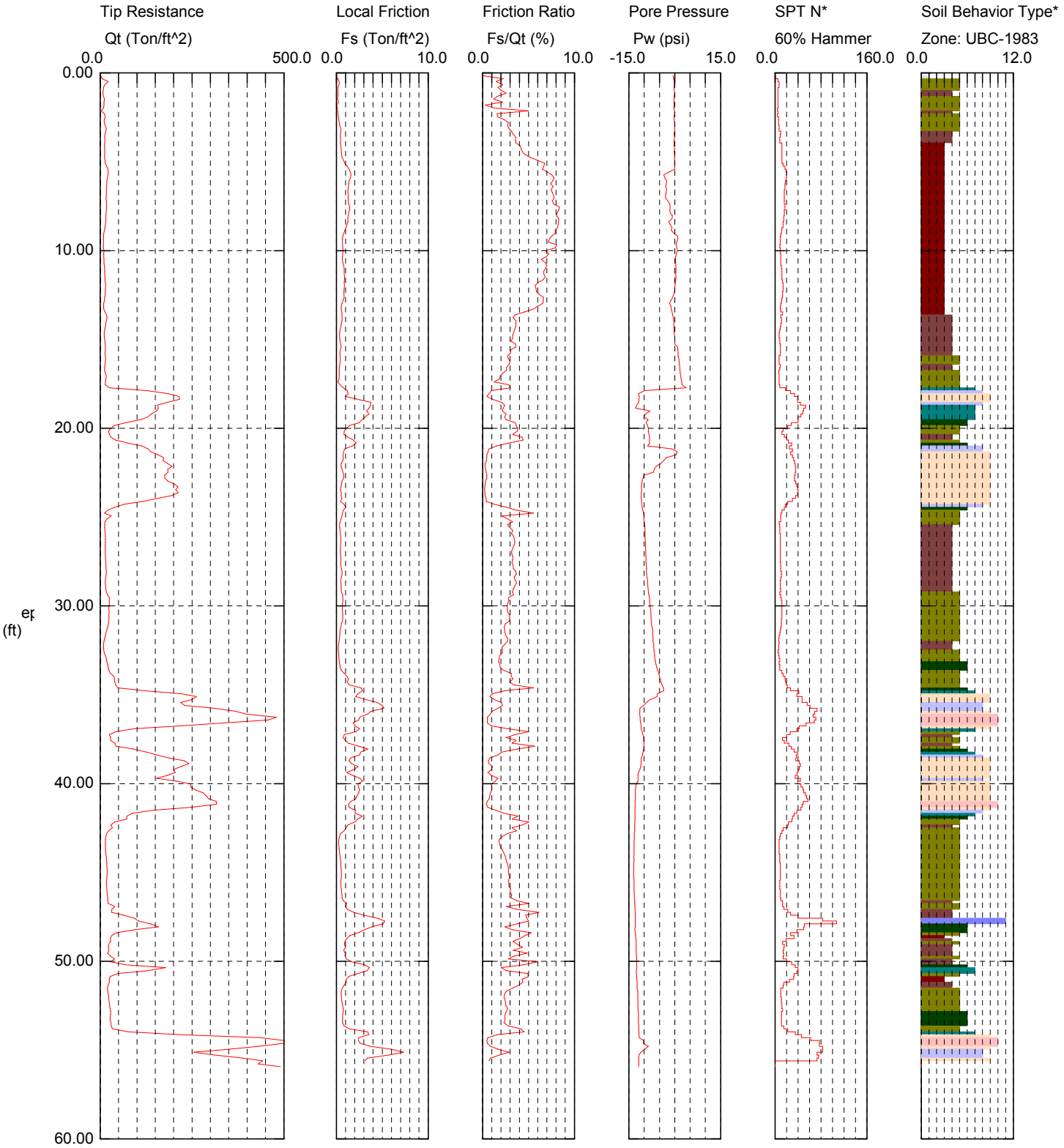
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT367
Cone Used: 510

CPT Date/Time: 09-15-05 14:44
Location: HP-06
Job Number:



Maximum Depth = 55.94 feet

Depth Increment = 0.16 feet

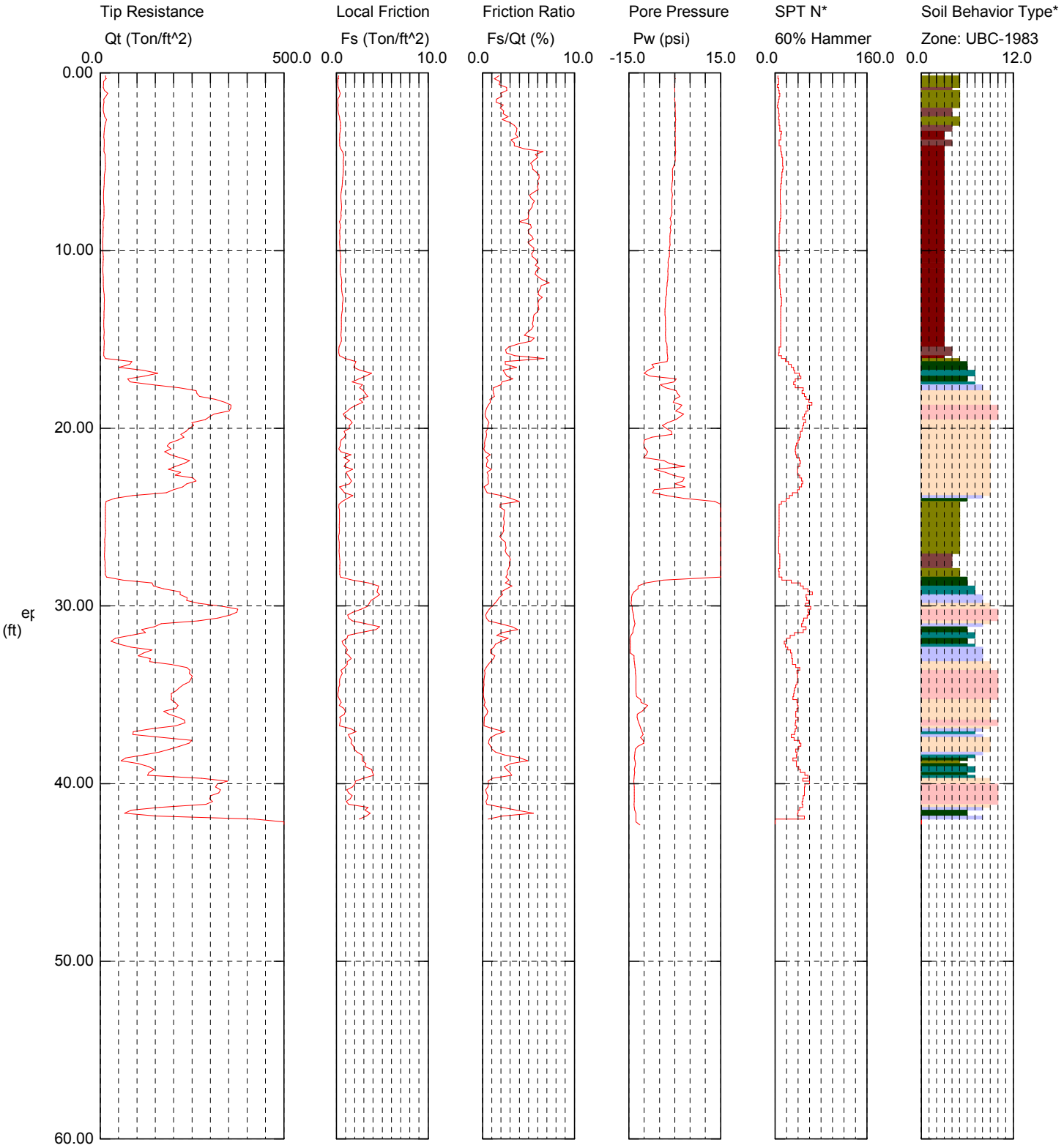
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT368
Cone Used: 510

CPT Date/Time: 09-16-05 08:48
Location: HP-07
Job Number:



Maximum Depth = 42.32 feet

Depth Increment = 0.16 feet

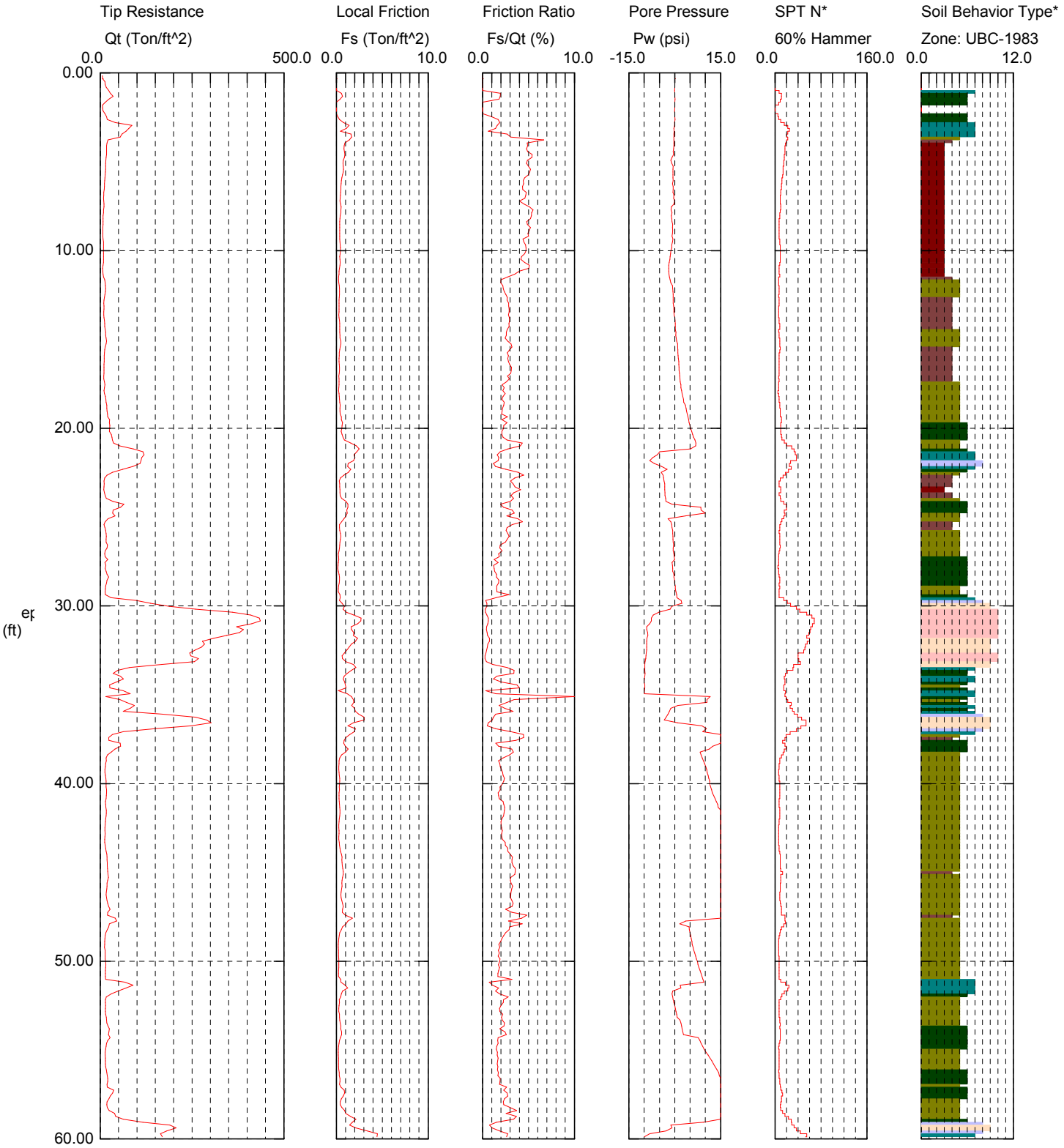
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT370
Cone Used: 510

CPT Date/Time: 09-16-05 13:06
Location: HP-08
Job Number:



Maximum Depth = 60.53 feet

Depth Increment = 0.16 feet

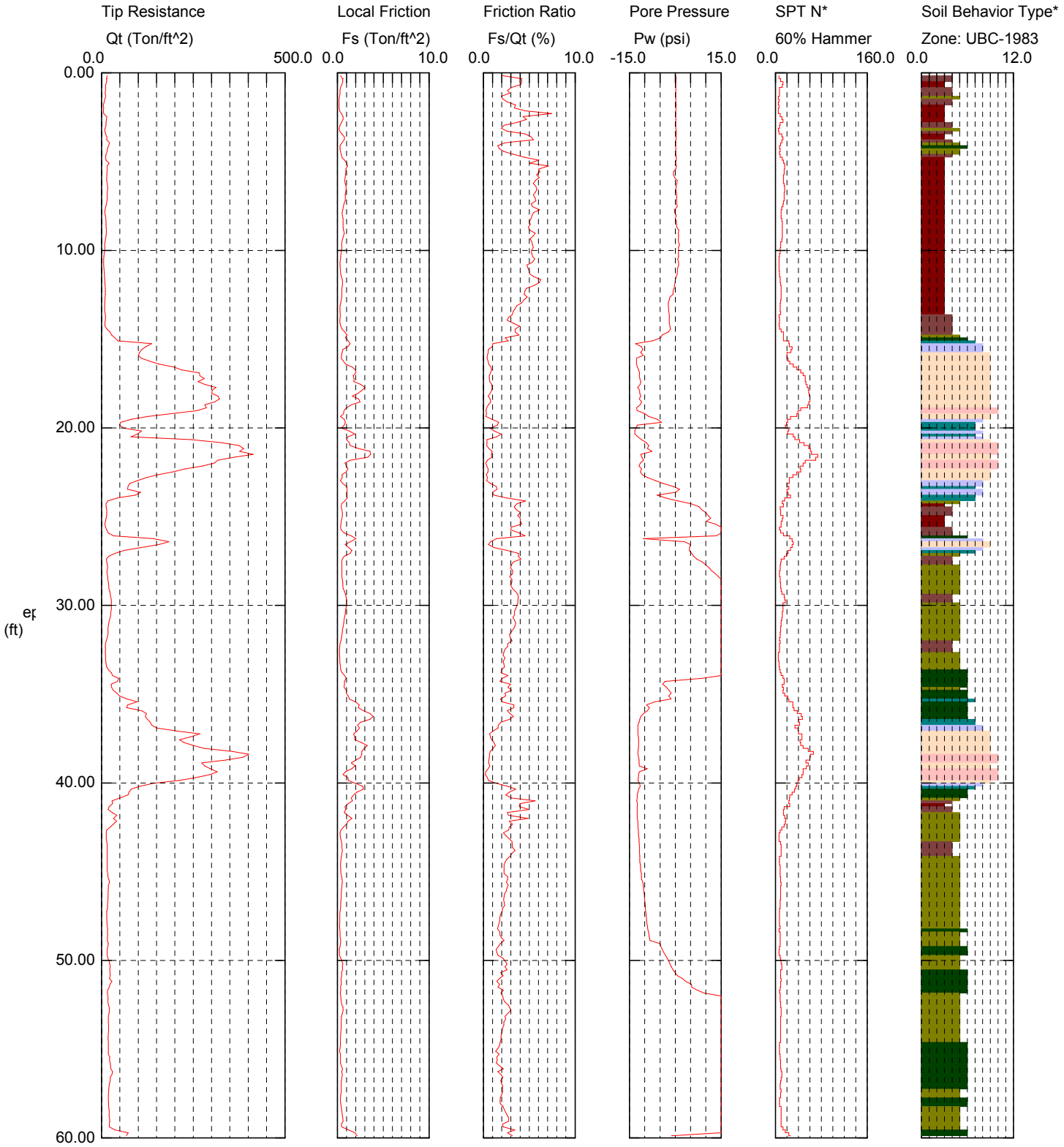
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT371
Cone Used: 510

CPT Date/Time: 09-19-05 09:00
Location: HP-09
Job Number:



Maximum Depth = 60.53 feet

Depth Increment = 0.16 feet

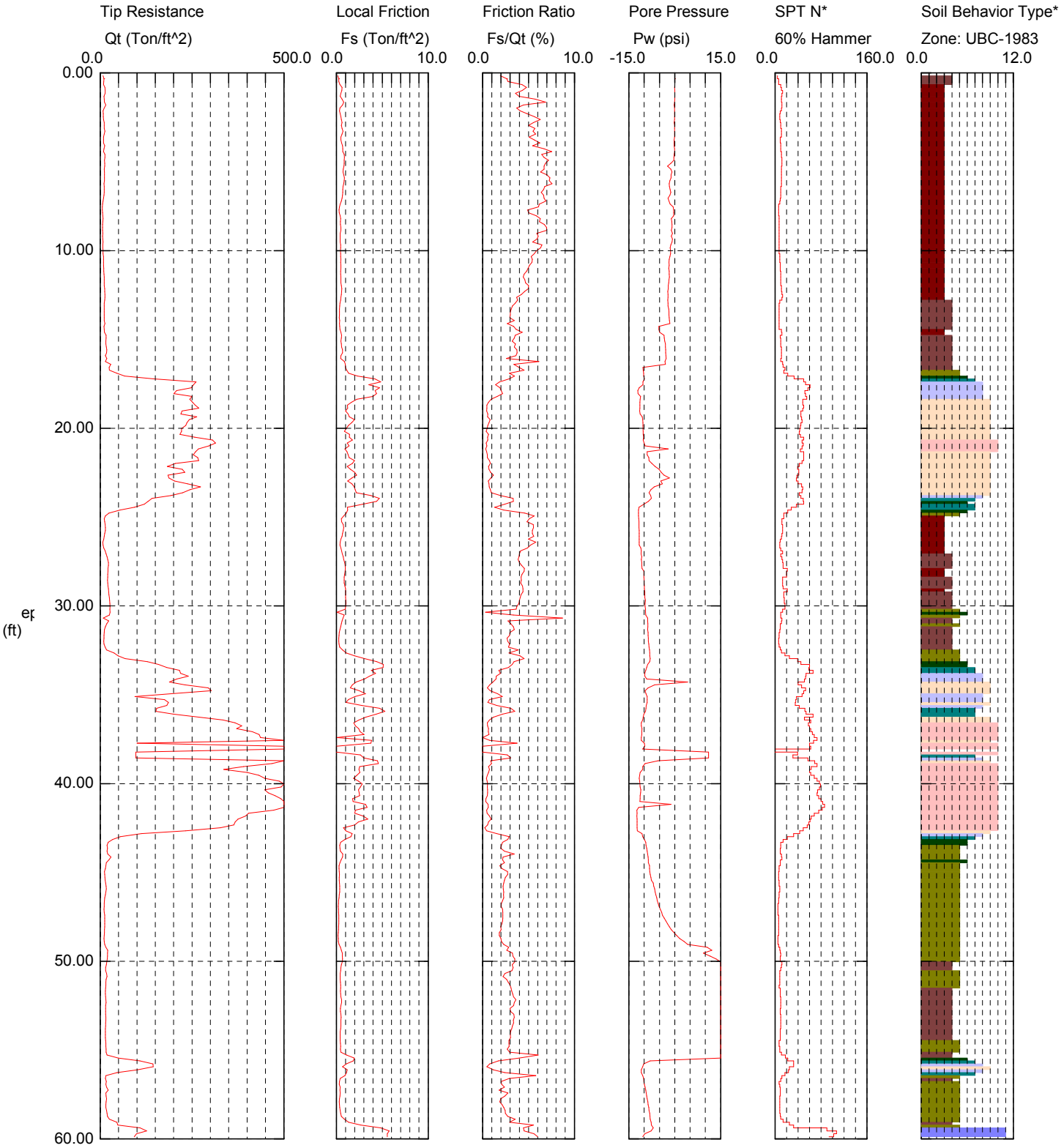
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT372
Cone Used: 510

CPT Date/Time: 09-19-05 12:59
Location: HP-10
Job Number:



Maximum Depth = 60.70 feet

Depth Increment = 0.16 feet

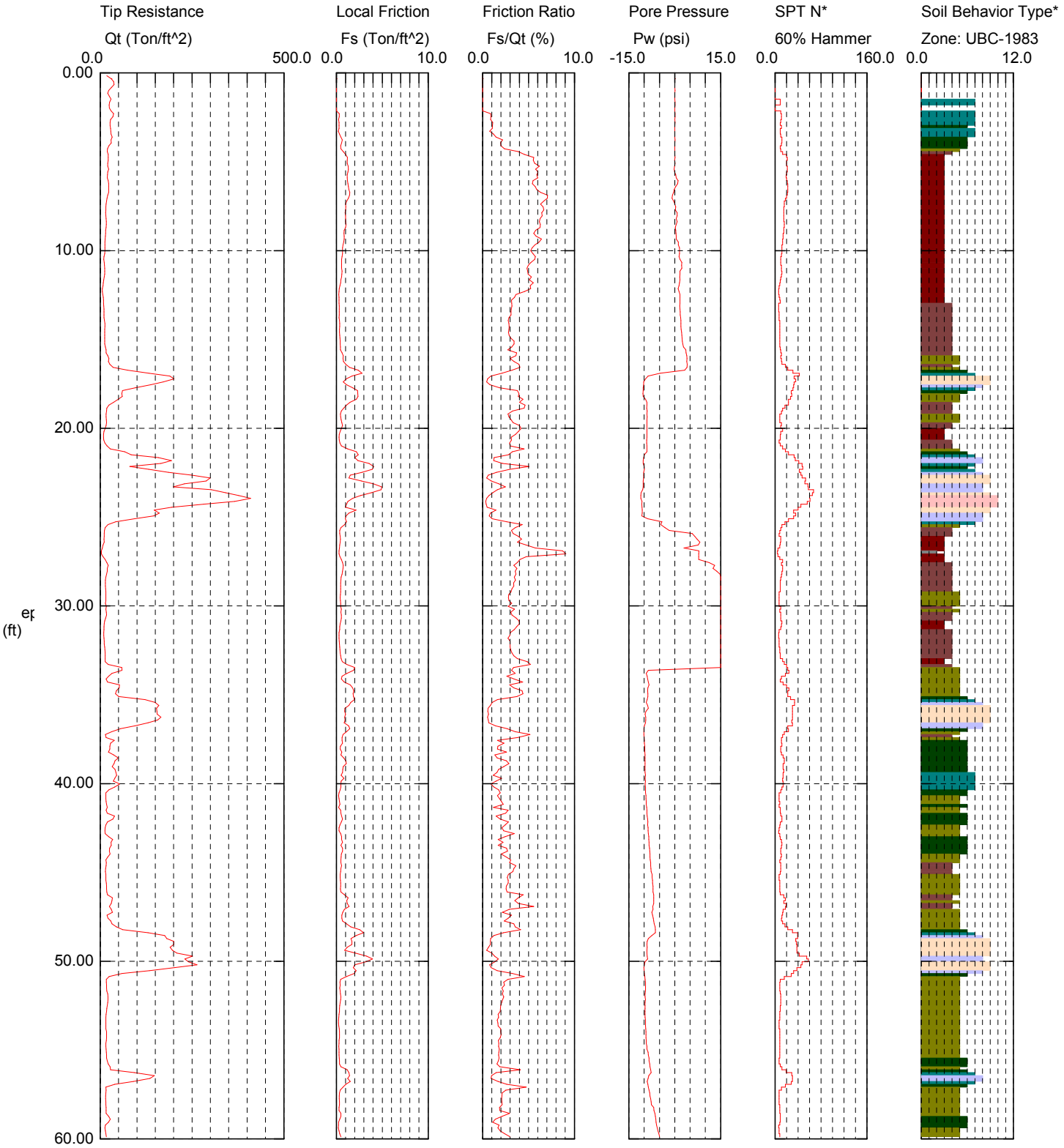
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT373
Cone Used: 510

CPT Date/Time: 09-19-05 18:26
Location: HP-11
Job Number:



Maximum Depth = 60.53 feet

Depth Increment = 0.16 feet

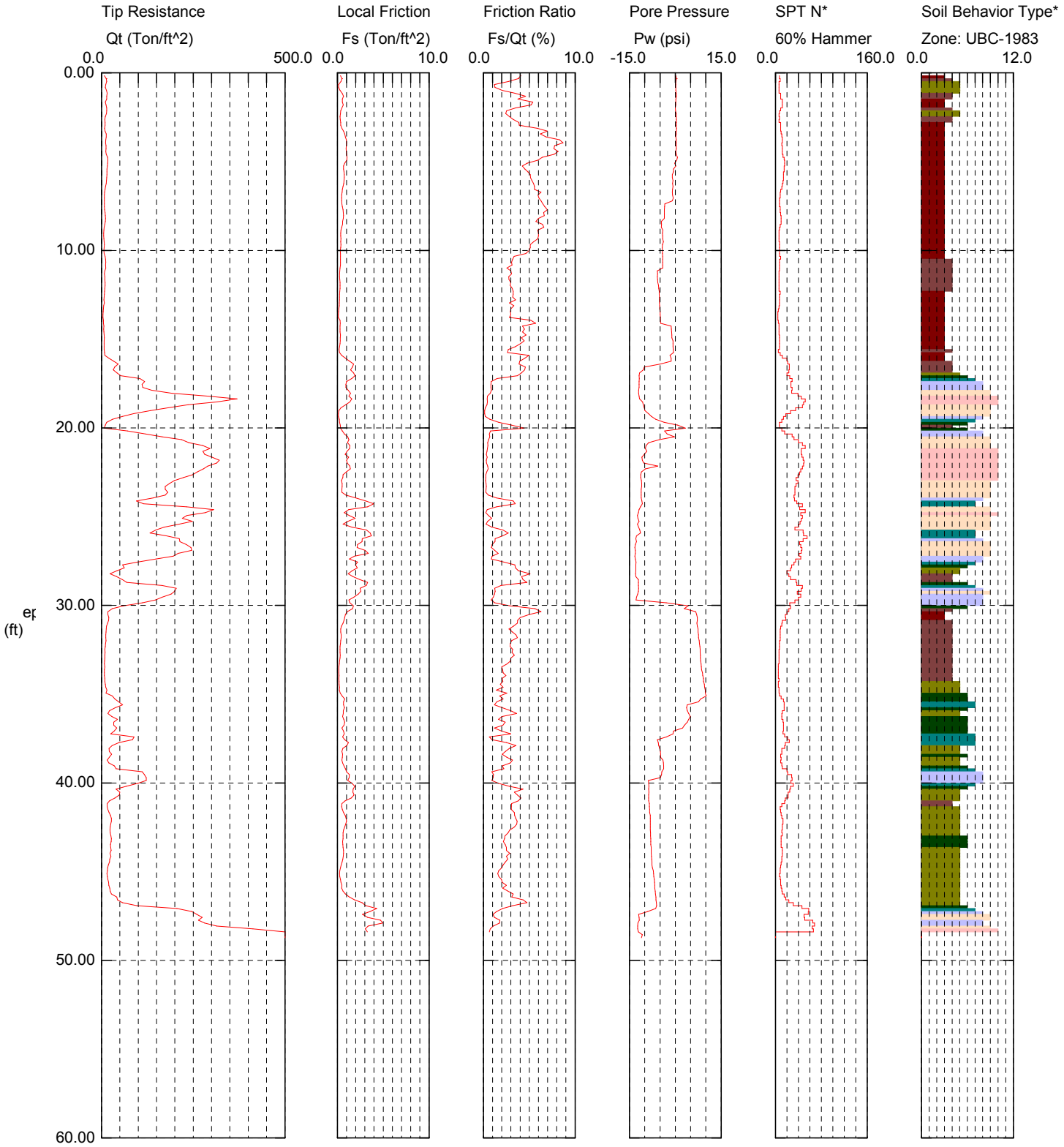
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT375
Cone Used: 510

CPT Date/Time: 09-20-05 11:57
Location: HP-12
Job Number:



Maximum Depth = 48.72 feet

Depth Increment = 0.16 feet

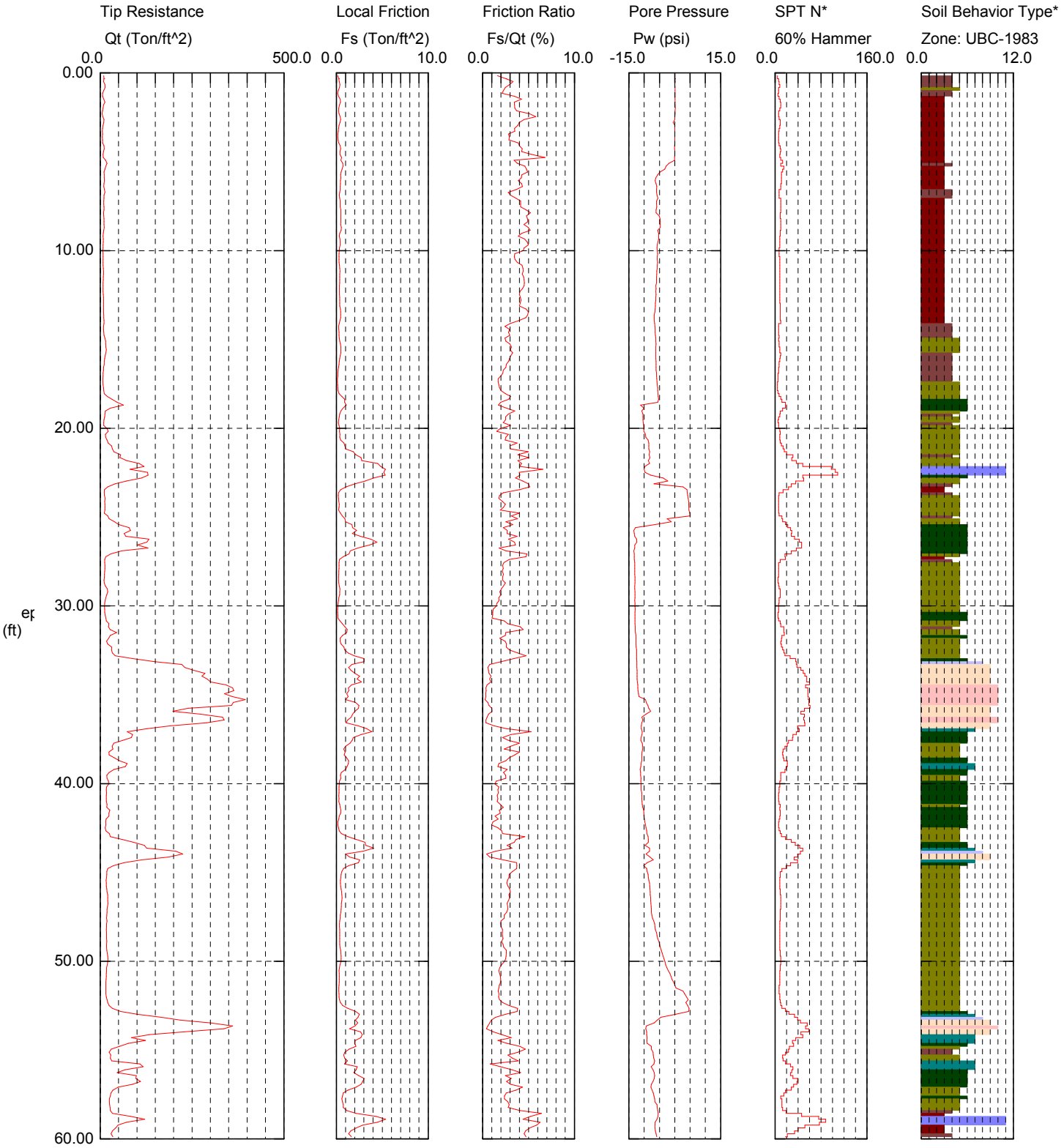
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT376
Cone Used: 510

CPT Date/Time: 09-20-05 16:16
Location: HP-13
Job Number:



Maximum Depth = 60.53 feet

Depth Increment = 0.16 feet

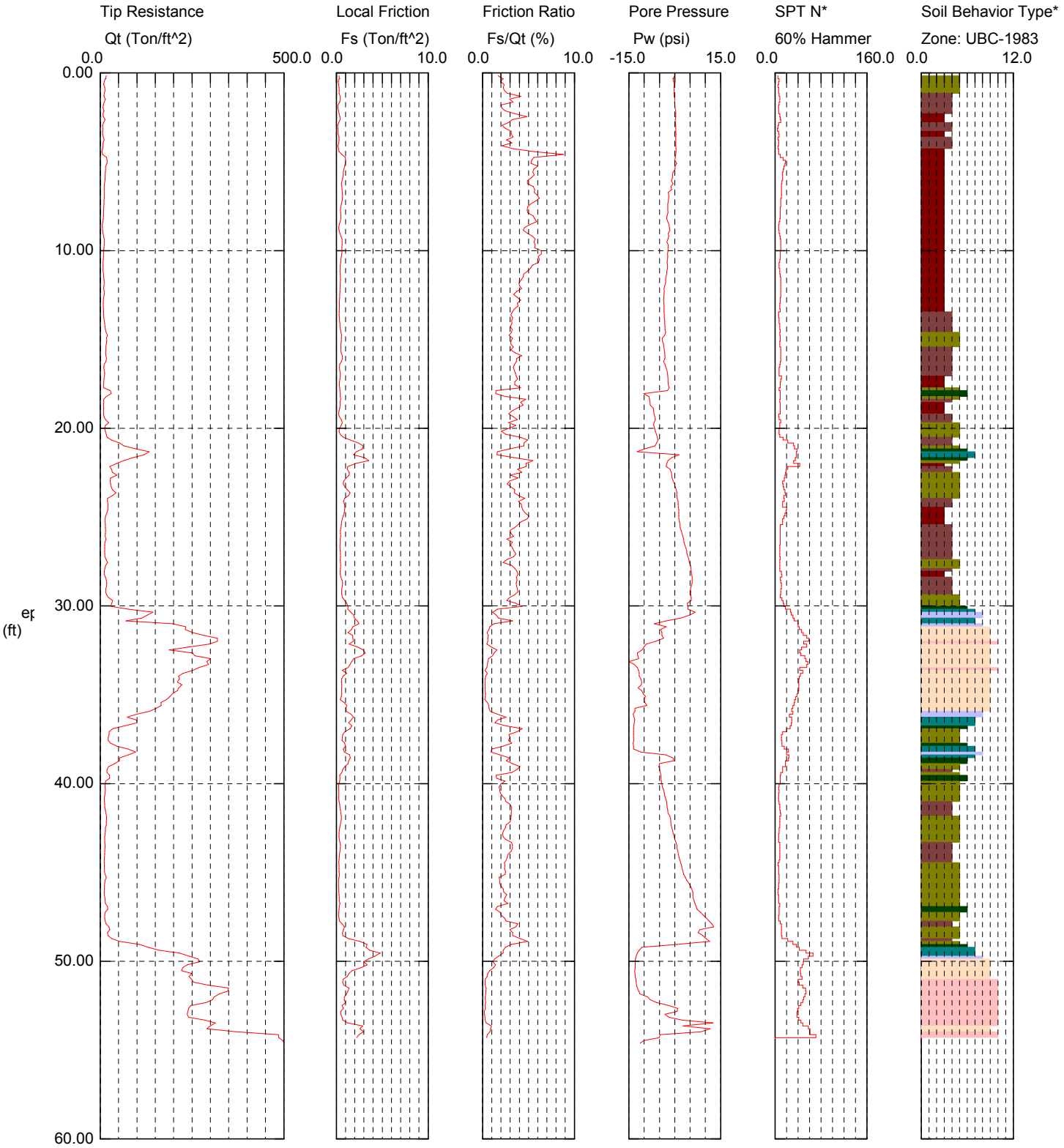
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT377
Cone Used: 510

CPT Date/Time: 09-21-05 09:03
Location: HP-14
Job Number:



Maximum Depth = 54.63 feet

Depth Increment = 0.16 feet

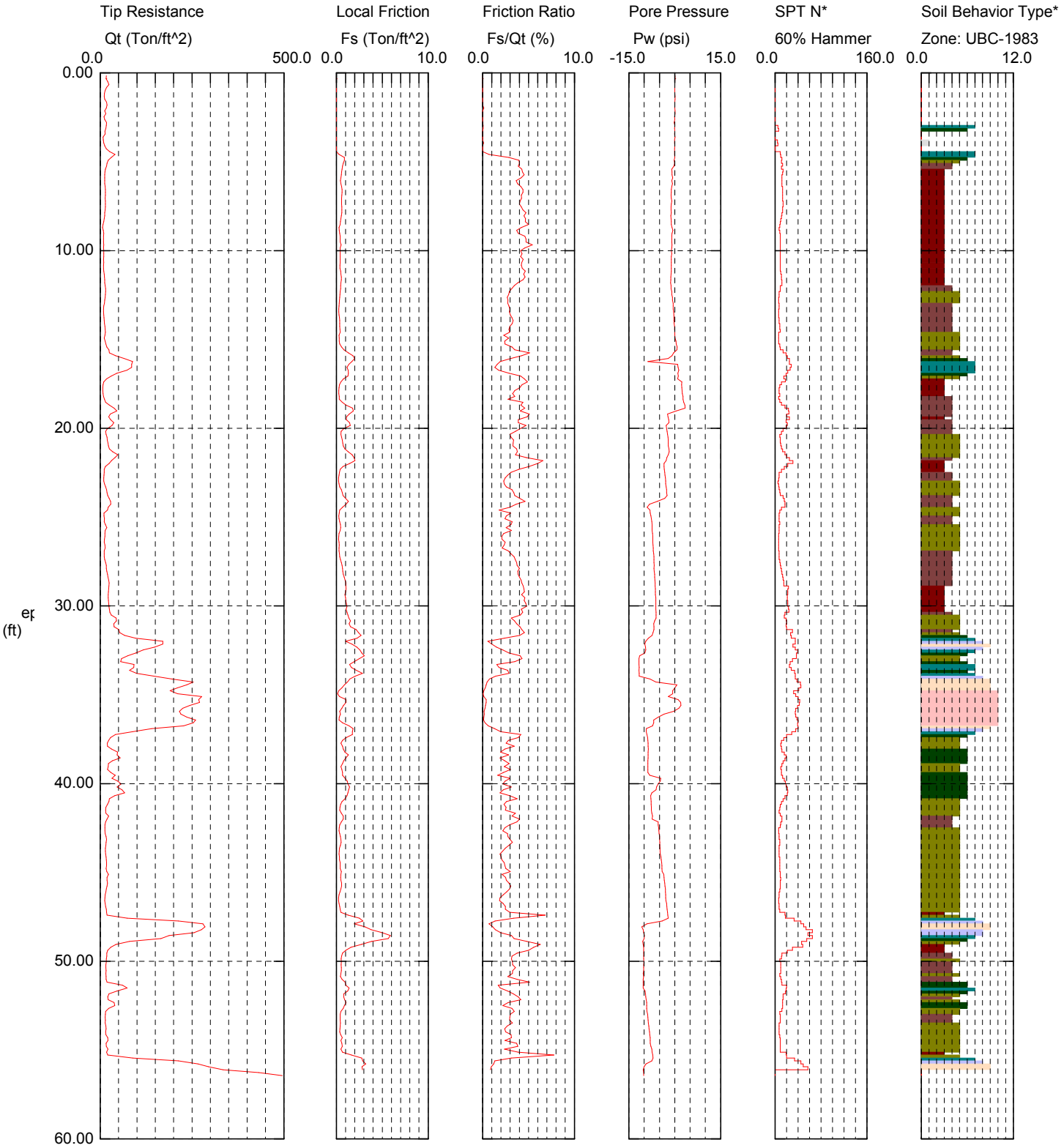
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT378
Cone Used: 510

CPT Date/Time: 09-21-05 13:51
Location: HP-15
Job Number:



Maximum Depth = 56.43 feet

Depth Increment = 0.16 feet

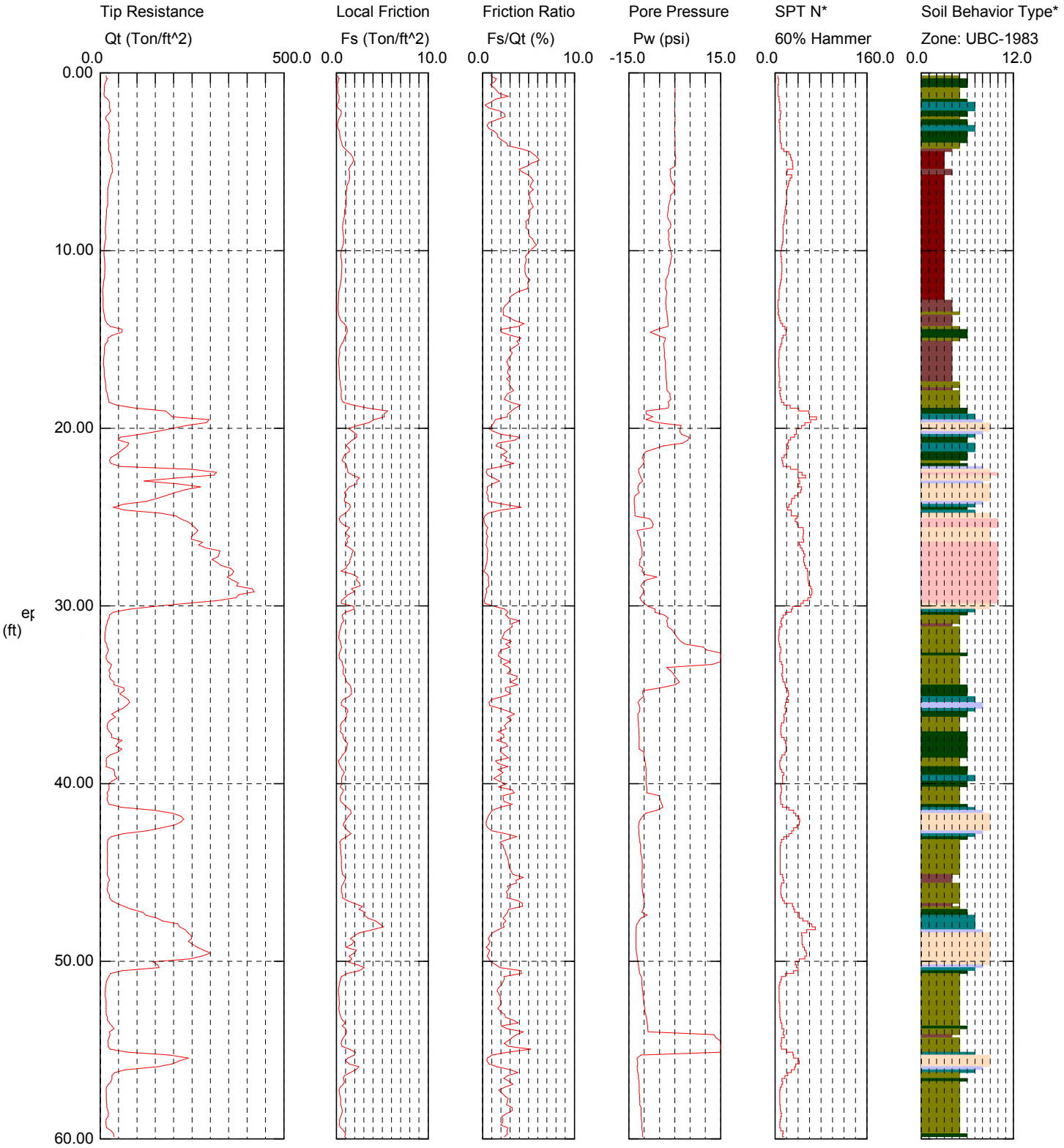
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT379
Cone Used: 510

CPT Date/Time: 09-22-05 07:59
Location: HP-16
Job Number:



Maximum Depth = 60.86 feet

Depth Increment = 0.16 feet

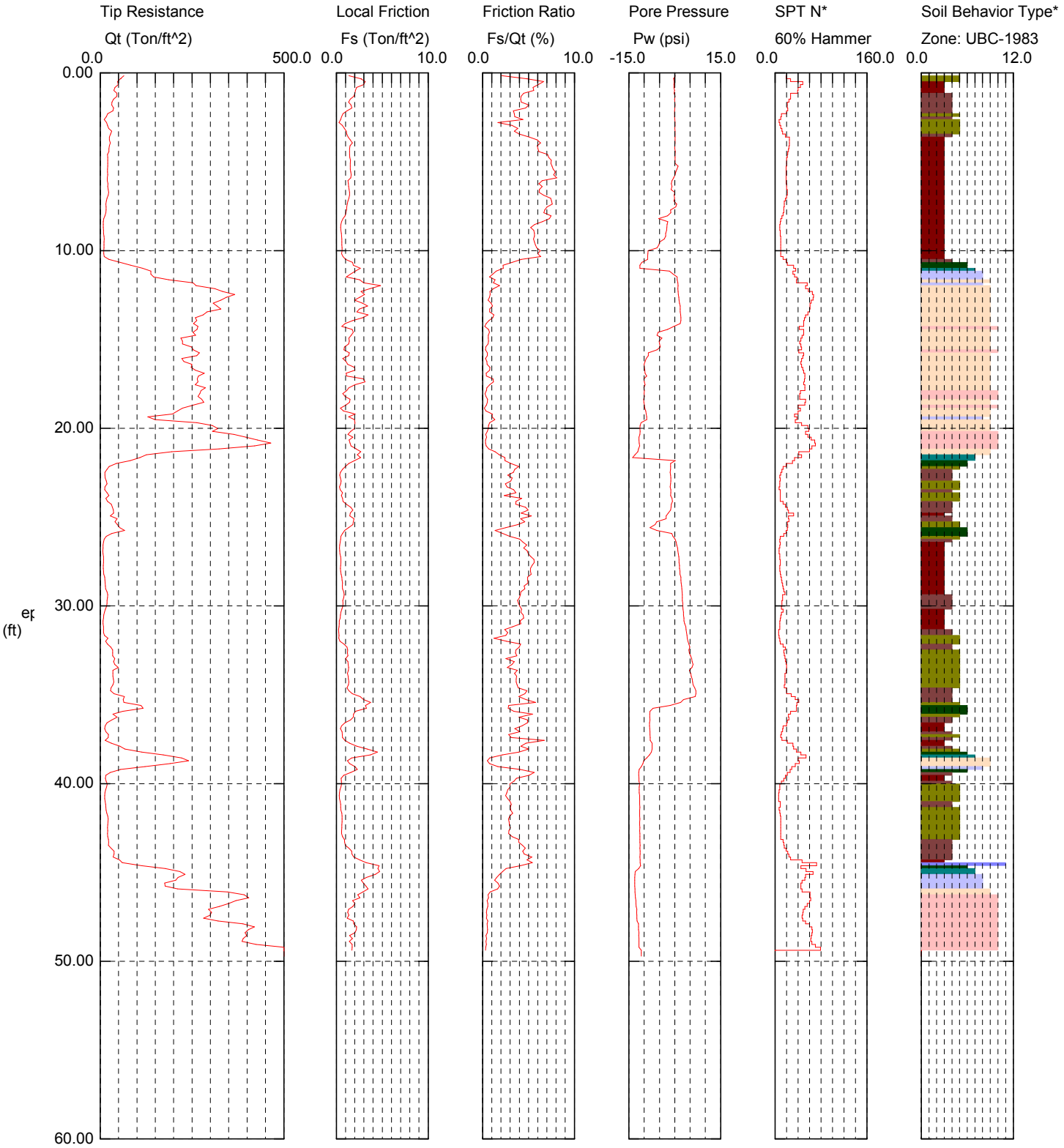
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT380
Cone Used: 510

CPT Date/Time: 09-22-05 12:33
Location: HP-17
Job Number:



Maximum Depth = 49.70 feet

Depth Increment = 0.16 feet

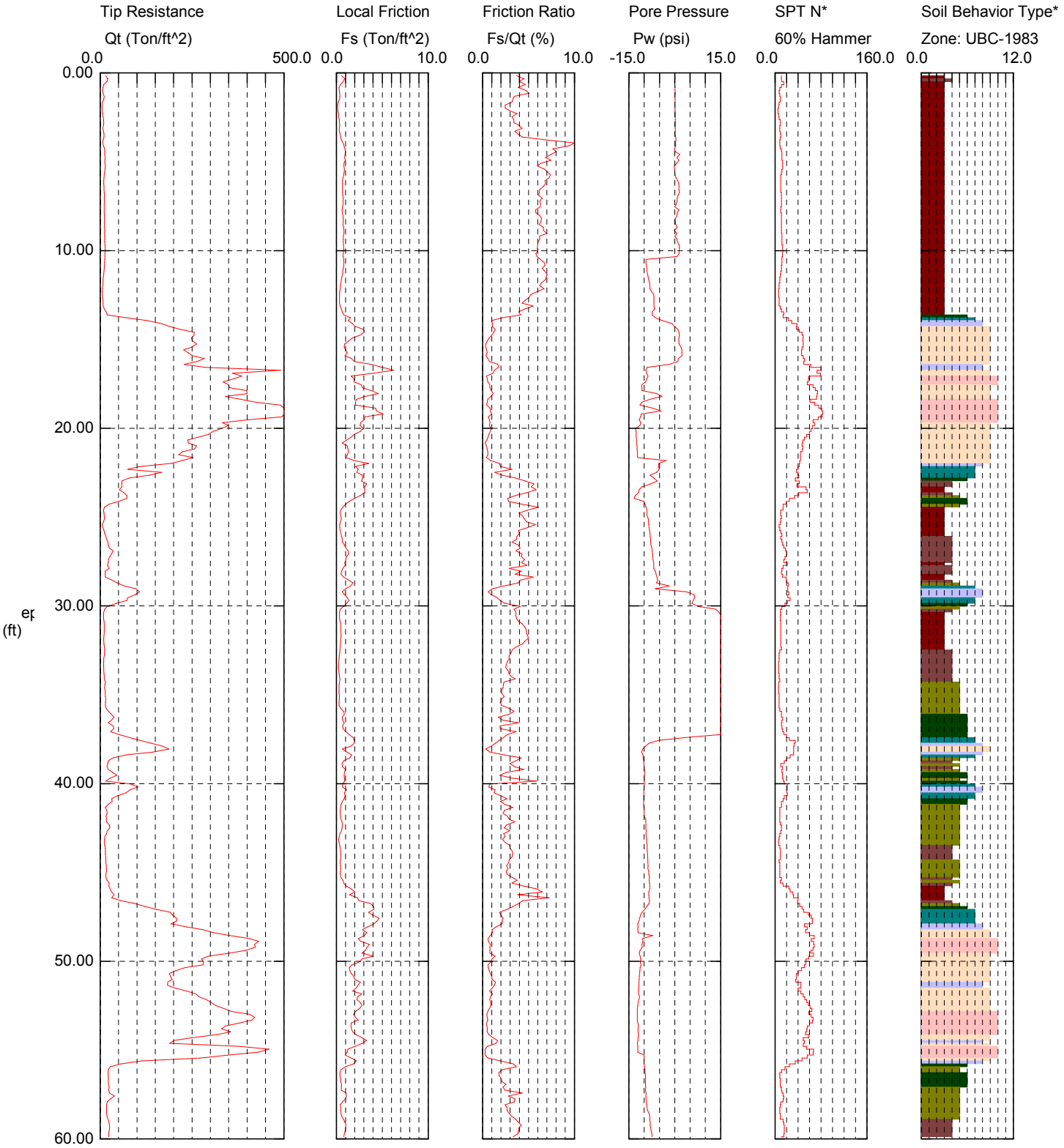
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT381
Cone Used: 510

CPT Date/Time: 09-22-05 15:55
Location: HP-18
Job Number:



Maximum Depth = 60.53 feet

Depth Increment = 0.16 feet

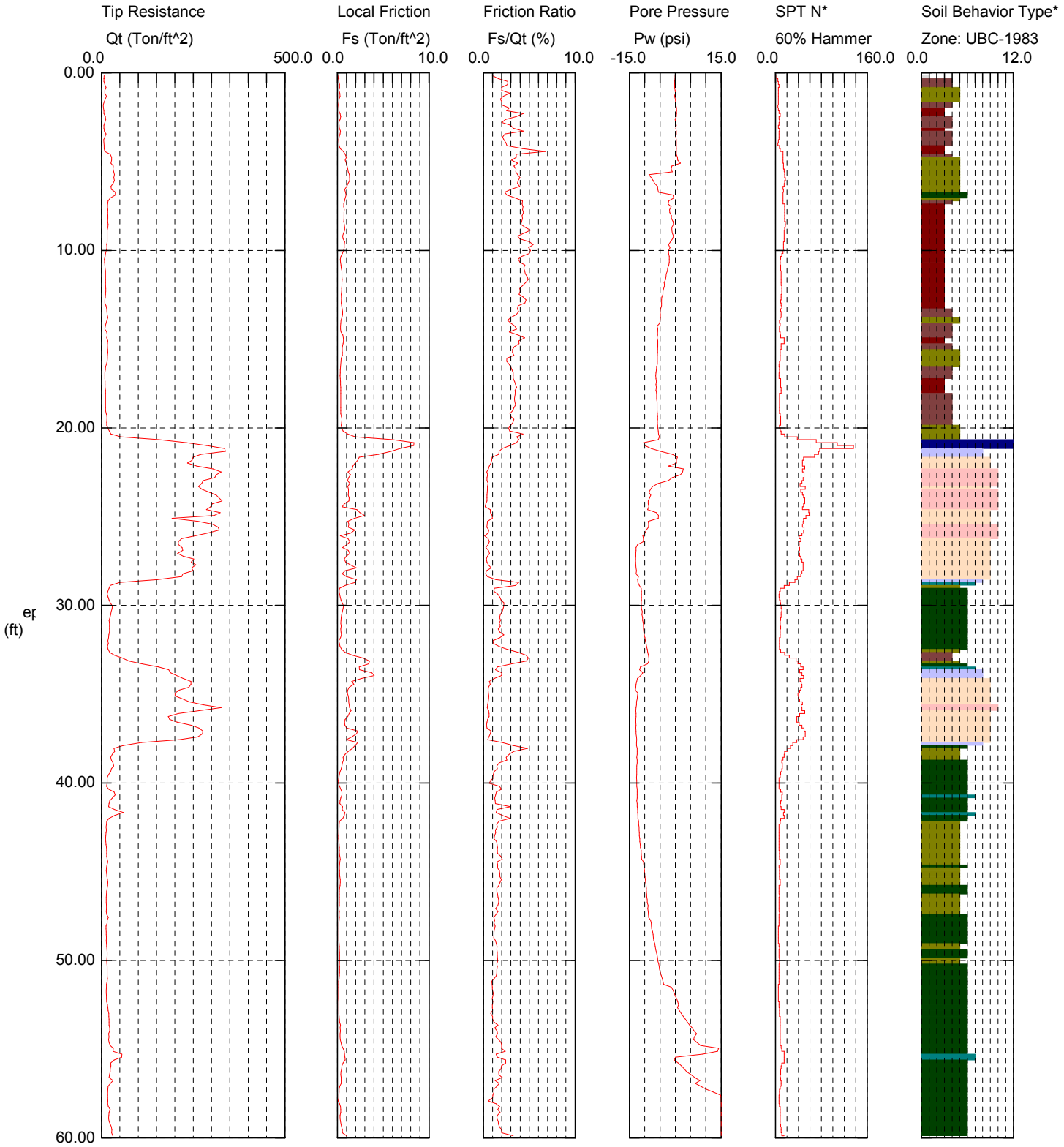
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT382
Cone Used: 510

CPT Date/Time: 09-23-05 08:48
Location: HP-19
Job Number:



Maximum Depth = 60.53 feet

Depth Increment = 0.16 feet

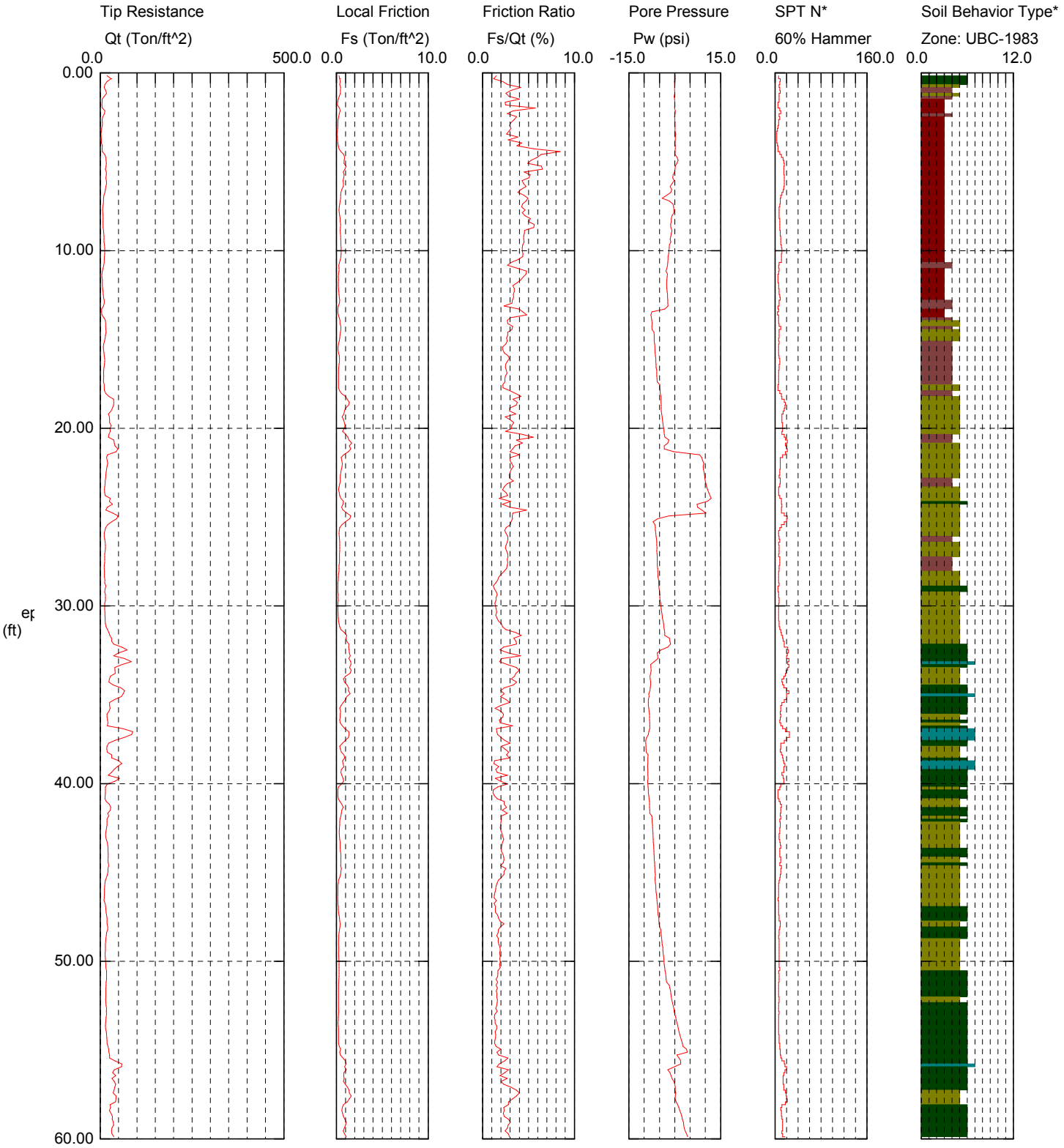
1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*Soil behavior type and SPT based on data from UBC-1983

TEST AMERICA

Operator: B. BUCKNAM
Sounding: CPT383
Cone Used: 510

CPT Date/Time: 09-23-05 13:00
Location: HP-20
Job Number:



Maximum Depth = 60.86 feet

Depth Increment = 0.16 feet

1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

TABLE A.1-5

EPA OFF-SITE GROUNDWATER VOC DATA SUMMARY
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CA

Sample Location	**HP01**	**HP01-C**	**HP01**	**HP01 DUP**	**HP01**	**HP02**
Sample Date	**9/13/2005**	**9/13/2005**	**9/13/2005**	**9/13/2005**	**9/13/2005**	**9/13/2005**
Depth (feet bgs)	**19**	**19**	**23.5**	**23.5**	**38**	**18**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	NR*	**240**	**62 J**	**66 J**	ND	**4.2**
cis-1,2-DICHLOROETHENE	**2.6**	**3.8**	**6.5 J**	**7.6 J**	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	**0.8**	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP02**	**HP02**	**HP02-C**	**HP02**	**HP03**	**HP03-C**
Sample Date	**9/13/2005**	**9/13/2005**	**9/13/2005**	**9/13/2005**	**9/14/2005**	**9/14/2005**
Depth (feet bgs)	**22.5**	**36**	**36**	**51**	**21.5**	**21.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	**4.1**	ND	ND	ND	NR*	**440**
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	NR*	**740**
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	**60**	**49**
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	**2.0**	**1.5**
VINYL CHLORIDE	ND	ND	ND	ND	**1.5**	**1.3**

Sample Location	**HP03**	**HP03-C**	**HP03**	**HP03-C**	**HP03**	**HP04**
Sample Date	**9/14/2005**	**9/14/2005**	**9/14/2005**	**9/14/2005**	**9/14/2005**	**9/14/2005**
Depth (feet bgs)	**26.5**	**26.5**	**36.5**	**36.5**	**49**	**15.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	**41**	**48**	NR*	**800**	**1.1**	ND
cis-1,2-DICHLOROETHENE	**17**	**16**	NR*	**130**	ND	ND
trans-1,2-DICHLOROETHENE	**11**	**10**	NR*	**220**	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	**1.1 J**	**1.1**	ND	ND
VINYL CHLORIDE	ND	ND	ND	**0.7 J**	ND	ND

Sample Location	**HP04**	**HP04-C**	**HP04**	**HP04**	**HP05**	**HP05**
Sample Date	**9/14/2005**	**9/14/2005**	**9/14/2005**	**9/14/2005**	**9/15/2005**	**9/15/2005**
Depth (feet bgs)	**24**	**24**	**43.5**	**53**	**18**	**28**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	ND	**0.3 J**	ND	ND	ND	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

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Sample Location	**HP05**	**HP05**	**HP05 DUP**	**HP06**	**HP06-C**	**HP06**
Sample Date	**9/15/2005**	**9/15/2005**	**9/15/2005**	**9/15/2005**	**9/15/2005**	**9/15/2005**
Depth (feet bgs)	**45.5**	**51**	**51**	**19.5**	**19.5**	**24.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP06**	**HP06**	**HP06**	**HP07**	**HP07-C**	**HP07**
Sample Date	**9/15/2005**	**9/15/2005**	**9/15/2005**	**9/16/2005**	**9/16/2005**	**9/16/2005**
Depth (feet bgs)	**37**	**41.5**	**55.5**	**18**	**18**	**24**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	ND	**2.0**	ND	ND	**0.7**	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	**0.2 J**
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP07-C**	**HP07**	**HP07**	**HP07-C**	**HP08**	**HP08-C**
Sample Date	**9/16/2005**	**9/16/2005**	**9/16/2005**	**9/16/2005**	**9/16/2005**	**9/16/2005**
Depth (feet bgs)	**24**	**31.5**	**42**	**42**	**22.5**	**22.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	ND	**8.8**	**40**	**60**	ND	ND
cis-1,2-DICHLOROETHENE	**0.2 J**	ND	**1.5 J**	**2.3 J**	ND	**0.2 J**
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP07-C**	**HP07**	**HP07**	**HP07-C**	**HP08**	**HP08-C**
Sample Date	**9/16/2005**	**9/16/2005**	**9/16/2005**	**9/16/2005**	**9/16/2005**	**9/16/2005**
Depth (feet bgs)	**24**	**31.5**	**42**	**42**	**22.5**	**22.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	ND	**8.8**	**40**	**60**	ND	ND
cis-1,2-DICHLOROETHENE	**0.2 J**	ND	**1.5 J**	**2.3 J**	ND	**0.2 J**
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

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EPA OFF-SITE GROUNDWATER VOC DATA SUMMARY
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Sample Location	**HP08**	**HP08**	**HP08**	**HP08-C**	**HP09**	**HP09 DUP**
Sample Date	**9/16/2005**	**9/16/2005**	**9/16/2005**	**9/16/2005**	**9/19/2005**	**9/19/2005**
Depth (feet bgs)	**33.5**	**37**	**60**	**60**	**17**	**17**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	**1.5 J**	**1.5 J**	**150**	**160**	ND	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	**0.9**	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP09-C**	**HP09**	**HP09**	**HP10**	**HP10**	**HP10**
Sample Date	**9/19/2005**	**9/19/2005**	**9/19/2005**	**9/19/2005**	**9/19/2005**	**9/19/2005**
Depth (feet bgs)	**17**	**23**	**40**	**19**	**24**	**42.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	ND	ND	ND	ND	ND	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP10**	**HP10 DUP**	**HP11**	**HP11**	**HP11**	**HP11**
Sample Date	**9/19/2005**	**9/19/2005**	**9/21/2005**	**9/21/2005**	**9/21/2005**	**9/21/2005**
Depth (feet bgs)	**56.5**	**56.5**	**18**	**25**	**37**	**50.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	ND	ND	ND	**2.2**	ND	**3.2**
cis-1,2-DICHLOROETHENE	ND	ND	ND	**0.2 J**	ND	**0.5**
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP12**	**HP12**	**HP12**	**HP12**	**HP13**	**HP13**
Sample Date	**9/20/2005**	**9/20/2005**	**9/20/2005**	**9/20/2005**	**9/20/2005**	**9/20/2005**
Depth (feet bgs)	**19**	**27.5**	**40.5**	**49**	**27**	**37**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	**5.9**	**5.5**	**6.2**	**76**	ND	ND
cis-1,2-DICHLOROETHENE	ND	ND	**9.1**	**3.5**	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

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EPA OFF-SITE GROUNDWATER VOC DATA SUMMARY
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CA

Sample Location	**HP13**	**HP13**	**HP14**	**HP14**	**HP14**	**HP14 DUP**
Sample Date	**9/20/2005**	**9/20/2005**	**9/21/2005**	**9/21/2005**	**9/21/2005**	**9/21/2005**
Depth (feet bgs)	**45**	**54**	**22**	**36**	**55**	**55**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	ND	ND	ND	ND	**62**	**55**
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP15**	**HP15**	**HP15**	**HP15**	**HP16**	**HP16 DUP**
Sample Date	**9/21/2005**	**9/21/2005**	**9/21/2005**	**9/21/2005**	**9/22/2005**	**9/22/2005**
Depth (feet bgs)	**17**	**37**	**49**	**57**	**21**	**21**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	**32**	**0.4 J**	**38**	**170**	**350**	**380**
cis-1,2-DICHLOROETHENE	**15**	**24**	**2.4**	**0.5**	**8.5**	**10**
trans-1,2-DICHLOROETHENE	**0.4 J**	**0.4 J**	ND	ND	**0.3**	**0.4 J**
TETRACHLOROETHENE	**250**	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	**0.5**	**0.5**
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP16**	**HP16**	**HP16**	**HP17**	**HP17**	**HP17**
Sample Date	**9/22/2005**	**9/22/2005**	**9/22/2005**	**9/22/2005**	**9/22/2005**	**9/22/2005**
Depth (feet bgs)	**30**	**43**	**50**	**13**	**21.5**	**39.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	**25**	**0.3 J**	**0.3 J**	**3.7**	**3.3**	ND
cis-1,2-DICHLOROETHENE	**66**	ND	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	**5.7**	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

Sample Location	**HP17**	**HP18**	**HP18**	**HP18**	**HP18**	**HP19**
Sample Date	**9/22/2005**	**9/22/2005**	**9/22/2005**	**9/22/2005**	**9/22/2005**	**9/23/2005**
Depth (feet bgs)	**50**	**16**	**22.5**	**38**	**56**	**22.5**
Analyte						
VOCs (EPA Method 524.2) (µg/L)						
TRICHLOROETHENE	**1.4**	**0.8**	**0.5**	ND	ND	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND	ND

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EPA OFF-SITE GROUNDWATER VOC DATA SUMMARY
MOFFETT COMMUNITY HOUSING, MOFFETT FIELD, CA

Sample Location	**HP19**	**HP19**	**HP20**	**HP20**
Sample Date	**9/23/2005**	**9/23/2005**	**9/23/2005**	**9/23/2005**
Depth (feet bgs)	**29**	**38**	**38**	**56.5**
Analyte				
VOCs (EPA Method 524.2) (µg/L)				
TRICHLOROETHENE	**1.9**	ND	ND	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND
TETRACHLOROETHENE	ND	ND	ND	ND
1,1-DICHLOROETHENE	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND

Notes:
Bold – indicates value above labortory reporting limit

Abbreviations and Acronyms
µg/L – milligram per liter
bgs – below ground surface
C – confirmation sample
DUP – duplicate sample
EPA – U.S. Environmental Protection Agency
HP – HydroPunch grab groundwater sample location
J – estimated value
ND – not detected above laboratory reporting limit
NR* – not reported: see confirmation result
OPHA – Orion Park Housing Area
VOC – volatile organic compound