Appendix A

Boring Logs



Project Location: Richmond, California

Project Number: 26814100

Key to Log of Boring

Sheet 1 of 1

Project Number. 20014100						
Elevation, feet Depth, feet Interval Number Headspace PID, ppm	Graphic Log MATER	MATERIAL DESCRIPTION				
COLUMN DESCRIPTIONS 1 Elevation: Elevation in feet referon site datum. 2 Downhole Depth: Distance in Sample Interval: Graphic depintervals from which laboratory saymbols are explained below.	feet below the ground surface.	headspace reading, in parts per million (p) low the ground surface. Graphic Log: Graphic depiction of subsequence of field sampling depths and were collected; sampler Material Description: Description of mindude color, moisture, grain size, and de				
TYPICAL MATERIAL GRAPHIC S	SYMBOLS					
SAND	CLAY, low to medium plasticity	SILT	GRAVEL			
SAND with SILT	CLAY, high plasticity	SILTY CLAY	SILTY GRAVEL			
SILTY SAND	CLAYEY SAND	CLAYEY SILT	Cinders			

TYPICAL SAMPLER GRAPHIC SYMBOLS



Recovery in geoprobe continuous core sampler



No recovery zone in geoprobe sampler



Sample retained for possible chemical testing

OTHER GRAPHIC SYMBOLS

▼ Water level measured at completion of drilling

▼ Water level measured after 24 hrs

---- Inferred contact due to no recovery or gradational change in lithology

GENERAL NOTES

- Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive; actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
- Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

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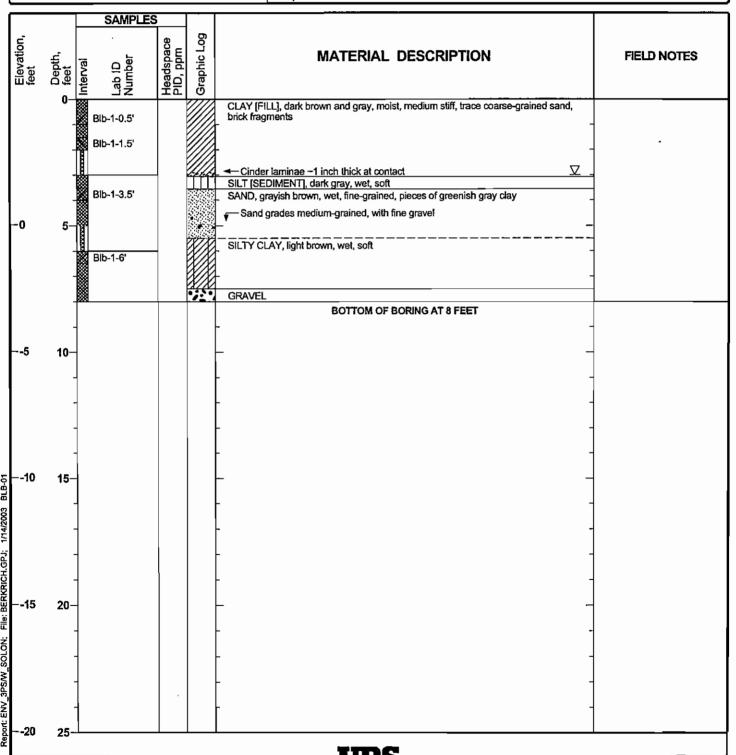
Project Location: Richmond, California

Project Number: 26814100

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Log of Boring Blb-1

Date(s) Drilled	12/11/02	Logged By	B. Copeland	Checked By	K. Abbott	
Drilling Method	Direct Push	Drill Bit Size/Type	2-inch-OD drive point	Total Depth of Borehole	8.0 feet	
Drill Rig Type	Geoprobe	Drilling Contractor	Precision Drilling	Surface Elevation	4.96 feet MSL	
Groundwater Levels(s)	First: 3.0 ft bgs Completion: not measured	Sampling Method(s)				
Location	Bulb Area	Borehole Completion				

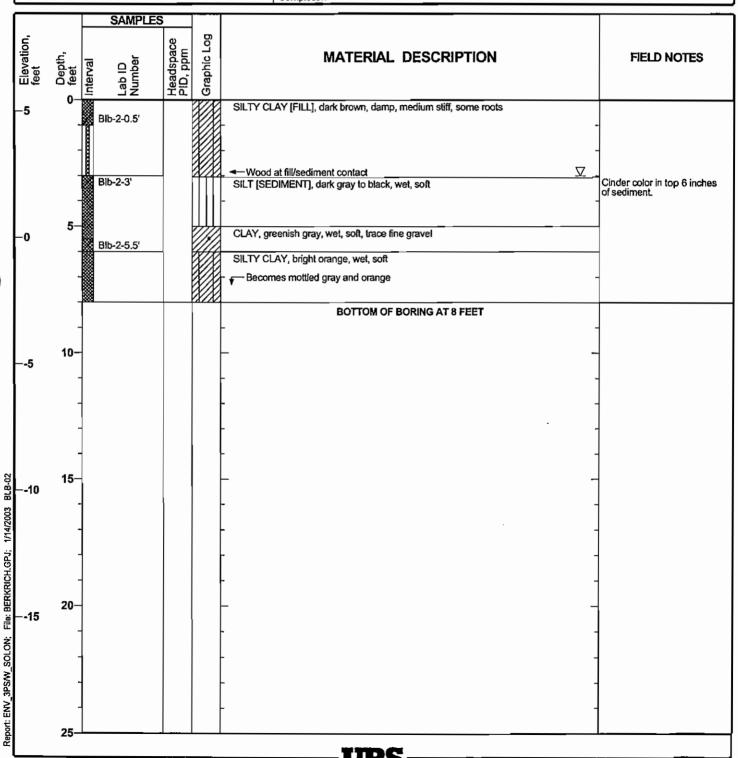


Project Location: Richmond, California

Project Number: 26814100

Log of Boring Blb-2

Date(s) Drilled	12/11/02	Logged By	B. Copeland	Checked By	K. Abbott	
Drilling Method	Direct Push	Drill Bit Size/Type	2-inch-OD drive point	Total Depth of Borehole	8.0 feet	
Drill Rig Type	Geoprobe	Drilling Contractor	Precision Drilling	Surface Elevation	5.45 feet MSL	
Groundwater Levels(s)	First: 3.0 ft bgs Completion: not measured	Sampling Method(s)	4-foot dual tube Geoprobe sampler with acetate liner			
Location	Bulb Area	Borehole Completion	Backfilled with grout to ground surface			

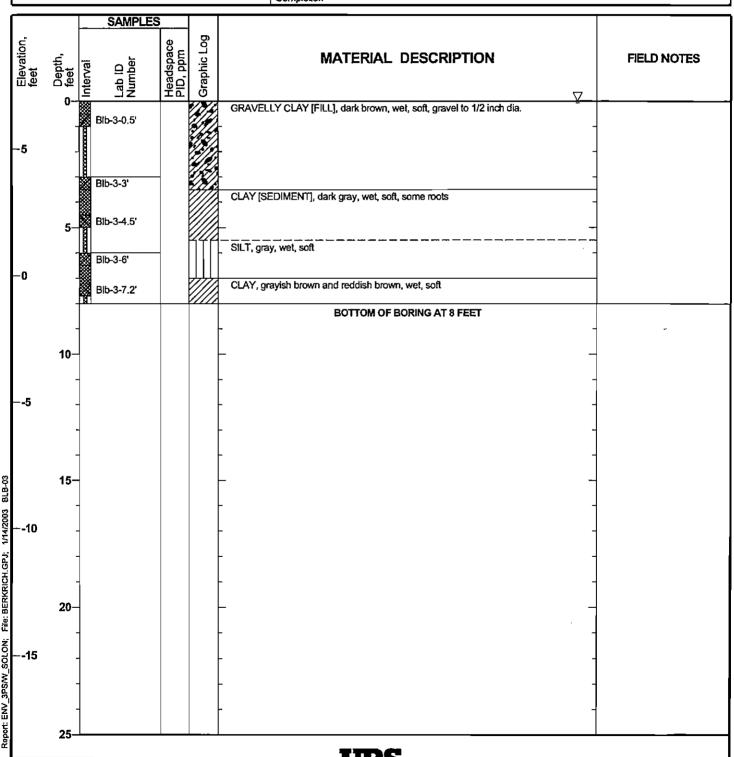


Project Location: Richmond, California

Project Number: 26814100

Log of Boring Blb-3

Date(s) Drilled	12/11/02	Logged By	B. Copeland	Checked By	K. Abbott	
Drilling Method	Direct Push	Drill Bit Size/Type	2-Inch-OD drive point	Total Depth of Borehole	8.0 feet	
Đrill Rîg Type	Geoprobe	Drilling Contractor	Precision Drilling	Surface Elevation	6.90 feet MSL	
Groundwater Levels(s)	First: ground surface Completion: not measured	Sampling Method(s)	4-foot dual tube Geoprobe sampler with acetate liner			
Location	Bulb Area	Borehole Completion	Backfilled with grout to ground surface			

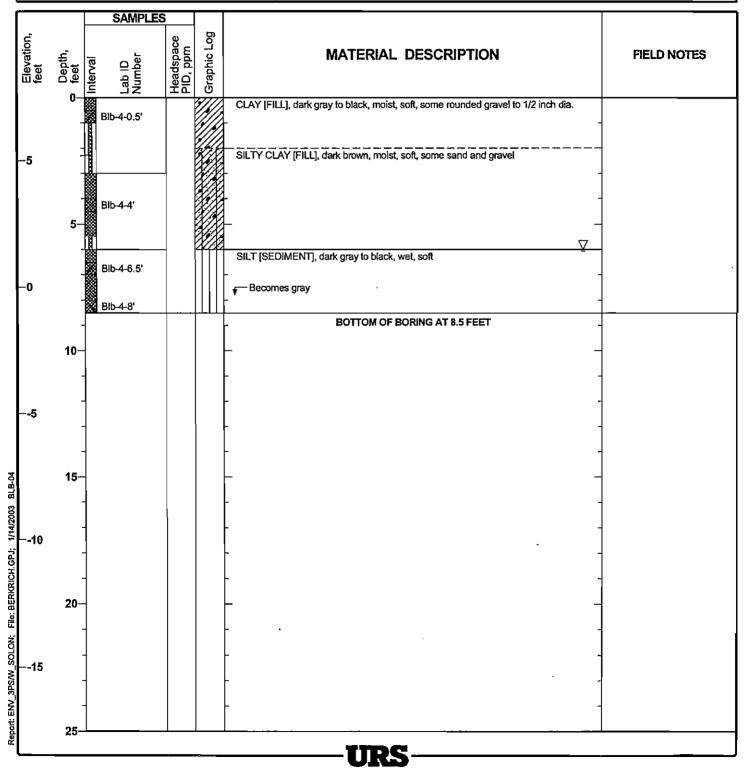


Project Location: Richmond, California

Project Number: 26814100

Log of Boring Blb-4

Date(s) Drilled	12/11/02	Logged By	B. Copeland	Checked By	K. Abbott	
Drilling Method	Direct Push	Drill Bit Size/Type	2-inch-OD drive point	Total Depth of Borehole	8.5 feet	
Drill Rig Type	Geoprobe	Drilling Contractor	Precision Drilling	Surface Elevation	7.49 feet MSL	
Groundwater Levels(s)	First: 6.0 ft bgs Completion: not measured	Sampling Method(s)	4-foot dual tube Geoprobe sampler with acetate liner			
Location	Bulb Area	Borehole Completion	Backfilled with grout to ground surface			

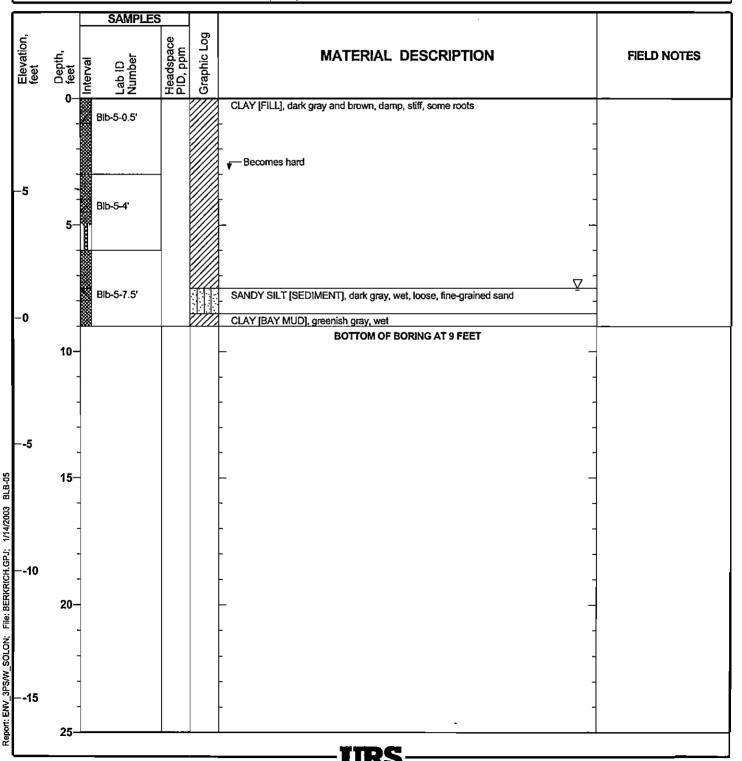


Project Location: Richmond, California

Project Number: 26814100

Log of Boring Blb-5

Date(s) Drilled	12/11/02	Logged By	B. Copeland	Checked By	K. Abbott	
Drilling Method	Direct Push	Drill Bit Size/Type	2-inch-OD drive point	Total Depth of Borehole	9.0 feet	
Drill Rig Type	Geoprobe	Drilling Contractor	Precision Drilling	Surface Elevation	8.67 feet MSL	
Groundwater Levels(s)	First: 7.5 ft bgs Completion: not measured	Sampling Method(s)				
Location	Bulb Area	Borehole Completion				

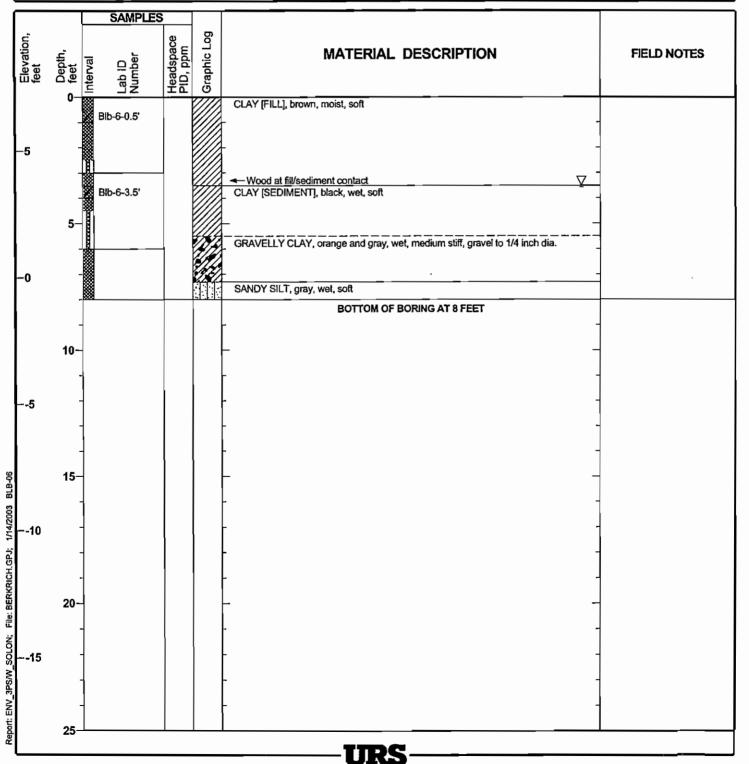


Project Location: Richmond, California

Project Number: 26814100

Log of Boring Blb-6

Date(s) Drilled	12/11/02	Logged By	B. Copeland	Checked By	K. Abbott	
Drilling Method	Direct Push	Drill Bit Size/Type	2-inch-OD drive point	Total Depth of Borehole	8.0 feet	
Drill Rig Type	Geoprobe	Drilling Contractor	Precision Drilling	Surface Elevation	7.14 feet MSL	
Groundwater Levels(s)	First: 3.5 ft bgs Completion: not measured	Sampling Method(s)	4-foot dual tube Geoprobe sampler with acetate liner			
Location	Bulb Area	Borehole Completion	Backfilled with grout to ground surface			



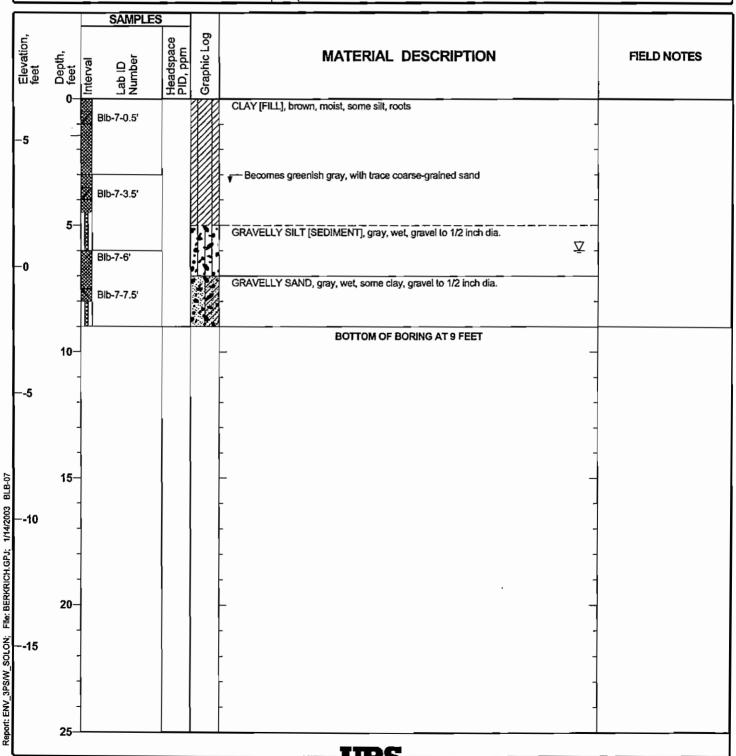
Project Location: Richmond, California

Project Number: 26814100

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Log of Boring Blb-7

Date(s) Drilled	12/12/02	Logged By	B. Copeland	Checked By	K. Abbott
Drilling Method	Direct Push	Drill Bit Size/Type	2-inch-OD drive point	Total Depth of Borehole	9.0 feet
Drill Rig Type	Geoprobe	Drilling Contractor	Precision Drilling	Surface Elevation	6.64 feet MSL
Groundwater Levels(s)	First: 6.0 ft bgs Completion: not measured	Sampling Method(s)	4-foot dual tube Geoprobe sampler with acetate liner		
Location	Bulb Area	Borehole Completion	Backfilled with grout to ground surface		



Project Location: Richmond, California

Project Number: 26814100

Log of Boring Blb-8

Date(s) Drilled	12/11/02	Logged By	B. Copeland	Checked By	K. Abbott	
Drilling Method	Direct Push	Drill Bit Size/Type	2-inch-OD drive point	Total Depth of Borehole	8.0 feet	
Drill Rig Type	Geoprobe	Drilling Contractor	Precision Drilling	Surface Elevation	7.38 feet MSL	
Groundwater Levels(s)	First: 3.0 ft bgs Completion: not measured	Sampling Melhod(s)	4-foot dual tube Geoprobe sampler with acetate Ilner			
Location	Bulb Area	Borehole Completion	Backfilled with grout to ground surface			

