

APPENDIX A

SAMPLE LOCATION DESCRIPTIONS

APPENDIX A
TABLE OF CONTENTS

ATTACHMENTS

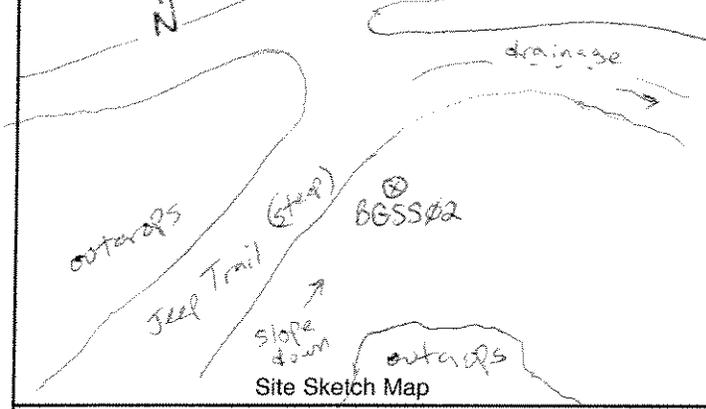
A-1	Soil Boring Logs
A-2	Sample Location Photographs

ATTACHMENT A-1
SOIL BORING LOGS



MONTGOMERY WATSON

outcrops
Jeep trail to Happy Valley →



Site Sketch Map

Boring #: MW#: Sheet 1 of 1

Project: BGSS02 Soil Background

Job #: Site: SSFL

Logged By: T. Burton Reviewed By:

Drilling Contractor: N/A

Drill Rig Type/Method: N/A

Drillers Name: N/A

Borehole Diam./Drill Bit Type: N/A
Total Depth: 1'
Ref. Elev.:

Sampler Type: Grab w/sample container

Depth to 1st Water (▽): — Time/Date: —

Drill Start Time/Date: 4/19/05 1230 Drill Finish Time/Date: 1315

Depth to Water After Drilling (▽): — Time/Date: —

Well Completion Time/Date: —

Depth to other Water Bearing Zones: —

Soil Boring Backfill Time/Date: —

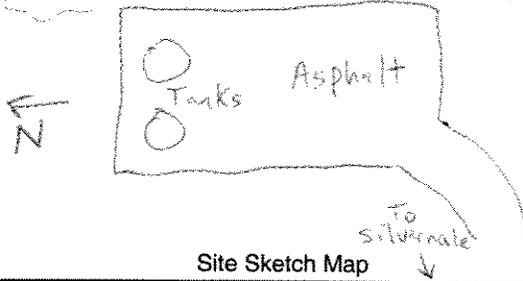
PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X						1	SM	Surface: grassy slope adjacent to sand stone outcrops + dirt road (overgrown)	tr	tr	15	55	30
							2		Silty sand (SM) dark yellowish brown (10/2 4/6) dry, very loose, w/ fine sand, trace coarse medium sand					
							3		+ pebble-sized weathered sandstone fragments; refusal @ 1' on sandstone					
									BGSS02 S01 @ 0.5' 1295					
									BGSS02 S02 @ 1.0' 1255					



MONTGOMERY WATSON

⊗ BGSS03

Brush



Site Sketch Map

Boring #: MW#: Sheet 1 of 1

Project: BGSS03

Job #: Site: SSFL

Logged By: T. Burton Reviewed By:

Drilling Contractor: N/A

Drill Rig Type/Method: N/A

Drillers Name: N/A

Borehole Diam./Drill Bit Type: Total Depth 10'

N/A Ref. Elev.

Sampler Type: Contaminant-stainless steel sleeve

Depth to 1st Water (▽): — Time/Date: —

Drill Start Time/Date: 4/13/05 0940 Drill Finish Time/Date: 1030

Depth to Water After Drilling (▽): — Time/Date: —

Well Completion Time/Date: —

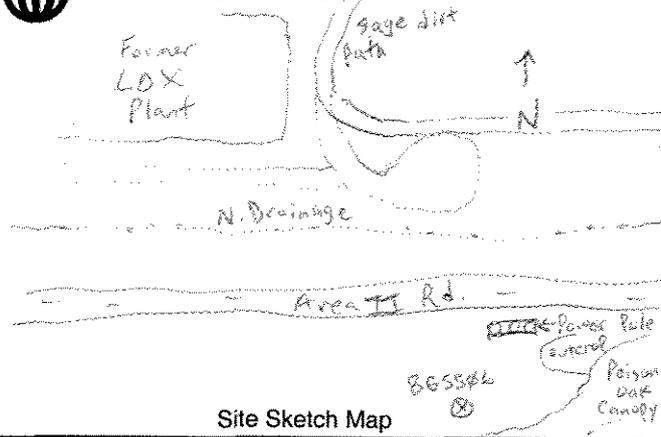
Depth to other Water Bearing Zones: —

Soil Boring Backfill Time/Date: —

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X							ML	Surface: flat soil w/ minor veg.	—	4	—	20	80
	X						1		@ 0.5' silt w/ sand (ML), dark brown (7.5 YR 3/3), moist, soft, vf sand, non-plastic; trace yellowish brown fine sandstone frags	20	—	—	15	65
							2							
							3		@ 1.0' = As above, w/ gravel (fine ss and interbedded siltstone fragments)					
							4		BGSS03 Sp1 0.5' @ 1000					
							5		BGSS03 Sp1 0.5' @ 1000					
							6		BGSS03 Sp2 1.0' @ 1013					
							7							
							8							
							9							
							10							
							11							
							12							



MONTGOMERY WATSON



Boring #: MW#: Sheet 1 of 1

Project: BGSS06 Soil Background

Job #: Site: SSFL

Logged By: T. Burton Reviewed By:

Drilling Contractor: N/A

Drill Rig Type/Method: Grab sample

Drillers Name: N/A

Borehole Diam./Drill Bit Type: N/A Total Depth: 0.5'

Ref. Elev.:

Sampler Type: Sample Container - s/s sleeve

Depth to 1st Water (∇): — Time/Date: — Drill Start Time/Date: 4/13/05 1105 Drill Finish Time/Date: 1105

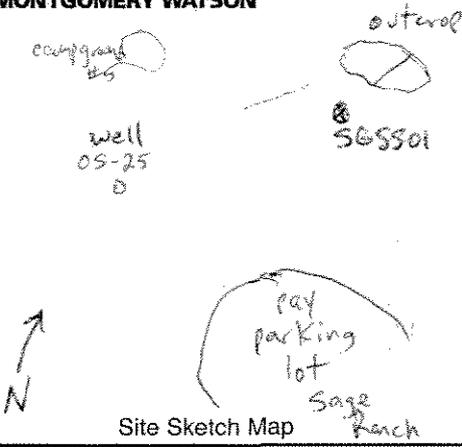
Depth to Water After Drilling (∇): — Time/Date: — Well Completion Time/Date:

Depth to other Water Bearing Zones: — Soil Boring Backfill Time/Date:

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of					
										Gravel	Sand			Silt/clay	
											Coarse	Medium	Fine		
	X							ML	Surface: flat, grassy area @ 0.5' silt w/ sand (ML), brown (7.5/R. 4/3), dry, soft, w/ trace medium sand & 3/4" med. sandstone fragments; non-plastic; rootlets	tr	-	tr	15	85	
							1								
							2								
							3								
							4		BGSS06 SFL 0.5' @ 110						
							5								
							6								
							7								
							8								
							9								
							10								
							11								
							12								



MONTGOMERY WATSON



Boring #: MW#: Sheet 1 of 1

Project: SGSSol S01 Soil Background

Job #: Site: Sage Ranch/SSFL

Logged By: T. Burton Reviewed By:

Drilling Contractor: N/A

Drill Rig Type/Method: N/A

Drillers Name: N/A

Borehole Diam./Drill Bit Type: N/A

Total Depth: 0'

Ref. Elev.:

Sampler Type: Grab w/sample Containers

Drill Start Time/Date: 4/14/05 1345 Drill Finish Time/Date: 1515

Well Completion Time/Date:

Soil Boring Backfill Time/Date:

Depth to 1st Water (∇): — Time/Date: —

Depth to Water After Drilling (∇): — Time/Date: —

Depth to other Water Bearing Zones: —

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X							ML	Surface: gentle slope, grassy Sandy silt (ML), brown (7.5YR4/4) soft, dry, vf-fine sand, non-plastic; with rootlets	—	—	tr	30	70
									SGSSol S01 0' @ 1400					



MONTGOMERY WATSON

Boring #: MW#: Sheet 1 of 1
 Project: BZSS01 Soil Background
 Job #: Site: SSFL / Bell Canyon
 Logged By: T. Burton Reviewed By:
 Drilling Contractor: N/A
 Drill Rig Type/Method: Grab
 Drillers Name: N/A
 Borehole Diam./Drill Bit Type: N/A Total Depth: 0'
 Ref. Elev.: -
 Sampler Type: s/s sleeve (grab)

Site Sketch Map

Depth to 1st Water (∇): — Time/Date: — Drill Start Time/Date: 4/12/05 1445 Drill Finish Time/Date: 1455
 Depth to Water After Drilling (∇): — Time/Date: — Well Completion Time/Date: —
 Depth to other Water Bearing Zones: — Soil Boring Backfill Time/Date: —

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X						1	ML	Surface: Thick grass; flat Silt (ML), dark grayish brown (10YR 4/2), moist, soft, same wt sand	70			5	95
							2							
							3							
							4		BZSS01 S01, D01 @ 1450					
							5		0' bgs Sample collected below root zone, approx 1.5 - 2" bgs					
							6							
							7							
							8							
							9							
							10							
							11							
							12							



MONTGOMERY WATSON

Boring #: MW#: Sheet 1 of 1

Project: BZSS05 Soil Background

Job #: Site: SSFL

Logged By: T. Burton Reviewed By:

Drilling Contractor: N/A

Drill Rig Type/Method: N/A

Drillers Name: N/A

Borehole Diam./Drill Bit Type: Total Depth 0'

N/A Ref. Elev. -

Site Sketch Map

Sampler Type: Sample Container (Grab)

Depth to 1st Water (∇): — Time/Date: — Drill Start Time/Date: 4/15/05 Drill Finish Time/Date: 4/15/05

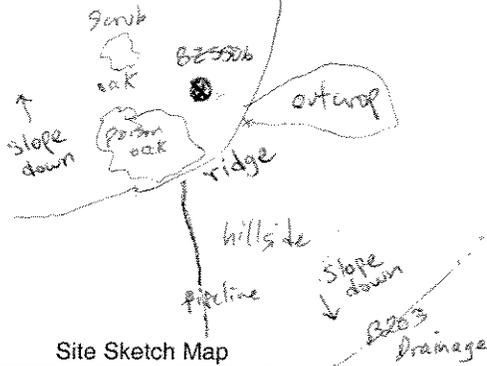
Depth to Water After Drilling (∇): — Time/Date: — Well Completion Time/Date: —

Depth to other Water Bearing Zones: — Soil Boring Backfill Time/Date: —

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X						1	ML	Surface: flat, grassy area silt (ML), dark brown (7.5 yr 3/3) moist, soft, non-plastic, with some very fine sand & rootlets	-	-	-	5	95
									BZSS05 sp1 0' @ 1325					



MONTGOMERY WATSON



Boring #: MW#: Sheet 1 of 1

Project: BZSS06 Soil Background

Job #: Site: SSFL

Logged By: + Burton Reviewed By:

Drilling Contractor: N/A

Drill Rig Type/Method: N/A

Drillers Name: N/A

Borehole Diam./Drill Bit Type:	Total Depth	φ'
N/A	Ref. Elev.	-

Sampler Type: Grab w/ sample container

Depth to 1st Water (▽): — Time/Date: —

Drill Start Time/Date: 4/15/05 1000 Drill Finish Time/Date: 1040

Depth to Water After Drilling (▼): — Time/Date: —

Well Completion Time/Date: —

Depth to other Water Bearing Zones: —

Soil Boring Backfill Time/Date: —

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X							ML	Surface: grassy slope downslope from Chatsworth Fm ss outcrop Silt w/sand (ML), dk. brown (7.5 yR 4/3), dry, v. soft, non-plastic, vt to fine sand w/ trace coarse sand + fine gravel-size sandstone fragments; rootlets visible in upper 3"	tr	tr	tr	25	75
									BZSS06 Sφ1 0' @ 1020					



MONTGOMERY WATSON

Boring #: MW#: Sheet 1 of 1

Project: BCSS12 Soil Background

Job #: Site: SSFL/Bell Cyn.

Logged By: T. Burton Reviewed By:

Drilling Contractor: N/A

Drill Rig Type/Method: N/A

Drillers Name: N/A

Borehole Diam./Drill Bit Type:

N/A

Total Depth

0'

Ref. Elev.

—

Site Sketch Map

Sampler Type: Grab w/ sample container

Depth to 1st Water (∇): — Time/Date: —

Drill Start Time/Date: 4/12/05 14:20 Drill Finish Time/Date: 14:30

Depth to Water After Drilling (▼): — Time/Date: —

Well Completion Time/Date: —

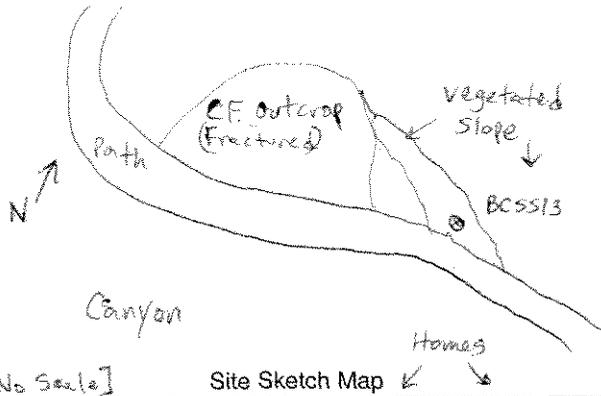
Depth to other Water Bearing Zones: —

Soil Boring Backfill Time/Date: —

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X						1	ML	Silt (ML), dk. reddish brown to dark brown (7.5yR3/3), moist, soft, non-plastic, vf sand, some 1/4" - 1/2" shalestone + sandstone fragments.	tr			10	90
							4		BCSS12 5ø1 ø' @ 1425					
							2							
							3							
							5							
							6							
							7							
							8							
							9							
							10							
							11							
							12							



MONTGOMERY WATSON



Boring #: _____ MW#: _____ Sheet 1 of 1

Project: **BCSS13** Boring **SSFL RFI**

Job #: _____ Site: **Bell Canyon/SSFL**

Logged By: **T. Burton** Reviewed By: _____

Drilling Contractor: **N/A**

Drill Rig Type/Method: **N/A**

Drillers Name: **N/A**

Borehole Diam./Drill Bit Type: **N/A**

Total Depth: **0'**

Ref. Elev.: **-**

Sampler Type: **grab w/sample containers**

Depth to 1st Water (▽): _____ Time/Date: _____

Drill Start Time/Date: **4/14/05 1045** Drill Finish Time/Date: **1115**

Depth to Water After Drilling (▽): _____ Time/Date: _____

Well Completion Time/Date: _____

Depth to other Water Bearing Zones: _____

Soil Boring Backfill Time/Date: _____

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X							SM	Surface: outcrop slope; wildflowers adjacent to horse trail @ 0' Silty sand w/gravel (SM), dark yellowish brown (10YR 4/6), dry, very loose, fine to coarse grains, with up to 1/2" subangular sandstone fragments.	20	10	30	20	20
									BCSS13 Sp1 @ 0' @ 1100					
									Notes: Chatsworth Fm. Sandstone outcrop, weathered in place					



MONTGOMERY WATSON

Boring #: _____ MW#: _____ Sheet **1** of **1**

Project: **BCSS/4 SSFL Soil Background**

Job #: _____ Site: **Bell Canyon**

Logged By: **T. Burton** Reviewed By: _____

Drilling Contractor: **N/A**

Drill Rig Type/Method: **N/A**

Drillers Name: **N/A**

Borehole Diam./Drill Bit Type: **N/A** Total Depth **0'**

Ref. Elev. **—**

Site Sketch Map

Depth to 1st Water (∇): _____ Time/Date: _____ Drill Start Time/Date: **4/12/05** Drill Finish Time/Date: **1325**

Depth to Water After Drilling (▼): _____ Time/Date: _____ Well Completion Time/Date: _____

Depth to other Water Bearing Zones: _____ Soil Boring Backfill Time/Date: _____

PID/OVA	Sample Interval	Recovered (in.)	Blow Counts / 6 in.	Retained for Analysis	Casing Type & Size	Annulus Filler	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % Of				
										Gravel	Sand			Silt/clay
											Coarse	Medium	Fine	
	X							ML	Sandy silt (ML), grayish brown (10YR 5/2) dry, stiff (loose in sample), near-plastic, vf-fine sand, some fine sandstone gravels (1/8" diam)	10	—	—	30	65
							1							
							2							
							3							
							4							
							5		SØ 1 Ø' Collected @ 1320 East side of drainage; flat spot					
							6							
							7							
							8							
							9							
							10							
							11							
							12							

ATTACHMENT A-2
SAMPLE LOCATION PHOTOGRAPHS



Sample Location BGSS01



Sample Location BGSS02



Sample Location BGSS03



Sample Location BGSS04



Sample Location BGSS06



Sample Location BGSS07



Sample Location BKND-1



Sample Location BKND-2



Sample Location BKND-3



Sample Location BKND-4



Sample Location BKND-5



Sample Location BKND-6



Sample Location BKND-7



Sample Location BZSS01



Sample Location BZSS02



Sample Location BZSS03



Sample Location BZSS04



Sample Location BZSS05



Sample Location BZSS06



Sample Location SGSS01



Sample Location BG01



Sample Location BG02



Sample Location BG04



Sample Location BCSS09



Sample Location BCSS11



Sample Location BCSS12



Sample Location BCSS13



Sample Location BCBS09



Sample Location BCSS14