Please Note: The original version of this figure includes colorized features and shading. A black and white copy of this figure should not be used because it may not accurately represent the information presented.

Notes:

1. *Reportedly a soil wash sample.*
2. *Three soil samples collected adjacent to bathtub on 6/1103 did not contain perchlorate at a MRL of 40 ug/Kg.*
3. *Revised to <0.004 mg/l by Weck Laboratories from previously reported value of 0.082 mg/l.*
4. *Colors of fill areas shown on stiff diagrams have no specific meaning. Diagrams were previously constructed for two different reports and combined here for the purpose of this report.*

N

0 300 600
SCALE FEET

LEGEND

- PROPERTY BOUNDARY
- AREA BOUNDARY
- ★ RD-29 DEEP ZONE GROUNDWATER MONITORING WELL
- ● C-4 COREHOLE LOCATION
- ∩◇ 05-12 SPRING LOCATION
- ✦ RS-27 NEAR-SURFACE GROUNDWATER MONITORING WELL
- ● P2075 NEAR-SURFACE GROUNDWATER PIEZOMETER
- ▼A2SW01 SURFACE WATER SAMPLE
- FINER GRAINED UNIT
- MAJOR FAULT LOCATION
- INFERRED FAULT LOCATION BASED ON ONE OR A NUMBER OF THE FOLLOWING: DISPLACEMENT OF GEOLOGIC CONTACT, LINEAR TOPOGRAPHIC FEATURE, ASSOCIATED WITH A DISPLACED GEOLOGIC CONTACT AND/OR SMALL SCALE STRUCTURES OBSERVED IN CORE
- SMALL-SCALE FAULT
- DRAINAGE DIVIDE
- DRAINAGE
- RFI SITE BOUNDARY
- 1014.89 TOP OF WELL ELEVATION IN FEET (msl)
- 894.39 TOP OF SCREEN ELEVATION IN FEET (msl)
- -1119.88 BOTTOM OF SCREEN ELEVATION IN FEET (msl)
- -1119.88 BOTTOM OF BORING ELEVATION IN FEET (msl)
- TOTAL DEPTH OF BORING IN FEET
- RANGE OF MEASURED WATER LEVELS

BRANDEIS-BARDIN INSTITUTE

SANTA MONICA MOUNTAINS CONSERVANCY

Eastern Drainage

Black Canyon Rd.

OS-9 (BATHTUB WELL 1) (2)

OS-10 (BATHTUB WELL 2)

(1) EAST CANYON 1

1965 DAM

1952 DAM

SIMI CONGLOMERATE CONTACT

Drainage Area: 778 Acres

Northern Boundary of Aerial Photo Coverage

Shale 3

SSFL

ELV MEMBER

ELV

A2SW01

Area II Landfill

LOX

KUCS-2

LOT BED

Area 2 STP

Former Incinerator Ash Pile

Shale 2

SPA MEMBER

UPPER BRANDEIS FLATS MEMBER

NORTH FAULT

Area I Landfill

IEL

SHEAR ZONE

Bldg 359

UPPER SAGE BED

LOWER SAGE BED

WOOLSEY MEMBER

WOOLSEY CANYON FAULT

B-1 Area

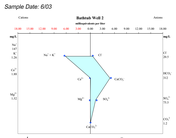
CANYON MEMBER

IEL FAULT

HAPPY VALLEY MEMBER

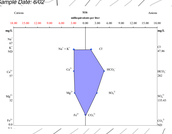
BOWL MEMBER

Sample Date: 6/03

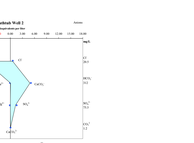


Sample Date: 6/02

Sample Date: 6/02

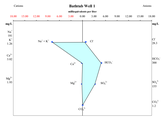


Sample Date: 4/93



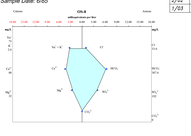
Sample Date: 9/87

Sample Date: 6/03



STARTING ON 7/2/03 THROUGH 8/11/03 THE FIRST RESULT SHOWN IS FROM CSMC LABORATORIES AND THE SECOND RESULT SHOWN IS FROM DEL MAR LABORATORIES

Sample Date: 6/85



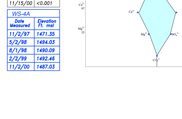
Sample Date: 6/02

Sample Date: 9/87

Sample Date: 9/87

Sample Date: 1/94

Sample Date: 1/94



Sample Date: 11/93

OS-9 (Bathtub Well 1) (GNT/WT/B315)		
Date Sampled	Result (mg/L)	
3/20/02	<0.003	
2/21/03	<0.004 (3)	
5/30/03	0.14/0.15	
6/11/03	0.036/0.039 (4/5L)	
	<0.003 (1mL)	
7/2/03	<0.00035/<0.0008	
7/10/03	<0.00035/<0.0008	
7/17/03	<0.00035/<0.0008	
7/24/03	<0.00035/<0.0008	
7/31/03	<0.00035/<0.0008	
8/7/03	<0.00035/<0.0008	
8/12/03	<0.00035/<0.0008	

East Canyon 1 (1)	
Date Sampled	Result (mg/L)
5/8/02	<0.003

OS-8	
Date Sampled	Result (mg/L)
1/99	<0.004
5/00	<0.001
2/01	<0.001
2/02	<0.00043
1/03	<0.001

S17	
Date Sampled	Result (mg/L)
6/02	<0.001

ELV-1	
Date Sampled	Result (mg/L)
2/99	<0.004

WS-13 Not Sampled for Perchlorate	

A2SW01	
Date Sampled	Result (mg/L)
2/03	<0.004

WS-12 Not Sampled for Perchlorate	

RD-52B	
Date Sampled	Result (mg/L)
2/16/99	<0.004
2/7/00	<0.004
5/4/01	<0.001
2/20/02	<0.00043
2/11/03	<0.0008

RD-52C	
Date Sampled	Result (mg/L)
11/3/97	<0.001
5/4/98	<0.004
8/5/98	<0.004
11/5/00	<0.001

RD-52B	
Date Measured	Elevation ft. msl
2/4/99	1486.67
2/2/00	1484.53
5/2/01	1485.95
4/30/02	1518.18
1/28/03	1532.02

RD-52C	
Date Measured	Elevation ft. msl
11/3/97	1464.55
5/2/98	1481.91
8/1/98	1483.15
2/2/99	1482.46
11/2/00	1487.03

WS-4A	
Date Sampled	Result (mg/L)
11/3/97	<0.001
5/7/98	<0.004
8/7/98	<0.004
2/9/99	<0.004
11/13/00	<0.001

WS-4A	
Date Measured	Elevation ft. msl
11/3/97	1471.35
5/7/98	1494.03
8/1/98	1493.09
2/2/99	1492.46
11/2/00	1497.03

A2SW01	
Date Sampled	Result (mg/L)
2/01	0.003 UJ

S_3 = 3% S_4 = 7.5% S_5 = 30% S_2 = 4% S_1 = 12%

OS-9 (BATHTUB WELL 1) (1) EAST CANYON 1 S13 1952 DAM 1965 DAM OS-8 S17 Simi Conglomerate ELV Member WS-13 AREA II LANDFILL NORTH FAULT ZONE WS-12 SPA Member RD-52B RD-52C P2062 Shale 2 LOX Shale 2 WS-4A NORTH FAULT ZONE SHEAR ZONE AREA I LANDFILL

MWH

SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
AUGUST 2004

PLAN AND PROFILE OF NORTHERN DRAINAGE INCLUDING OTHER SITE FEATURES

PLATE 1

CAD: M:\LEGACY\BOEING\SANTA SUSANA\DRAWINGS\OS-9\PROFILE # 03 REV # 1 # 03