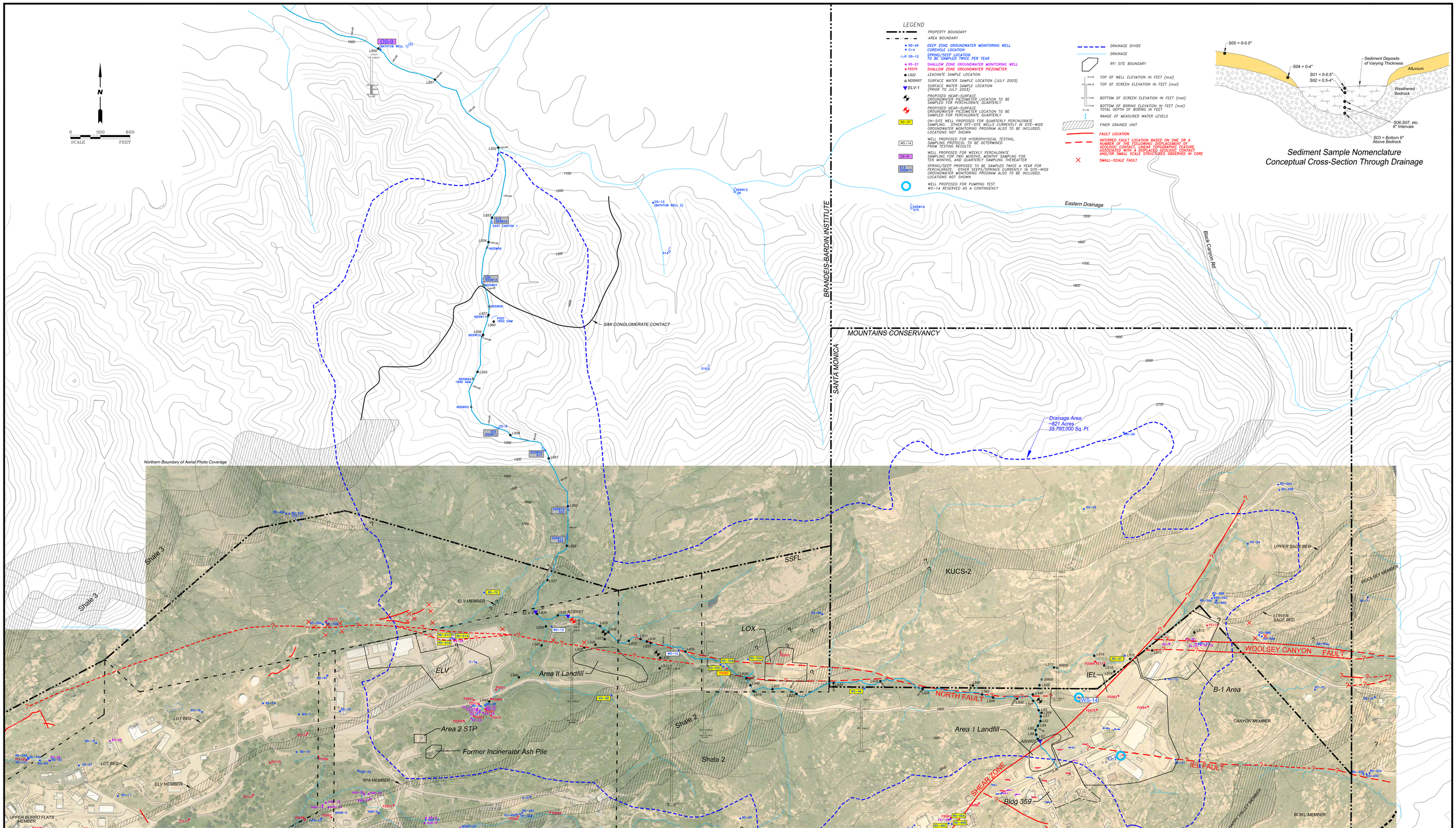
LEGEND
PROPERTY BOUNDARY
AREA BOUNDARY
RD-29 DEEP ZONE GROUNDWATER MONITORING WELL
C-4 CORENGLE LOCATION
OS-12 SPRING/SEEP LOCATION TO BE SAMPLED TWICE PER YEAR
RS-27 SHALLOW ZONE GROUNDWATER MONITORING WELL
PZ075 SHALLOW ZONE GROUNDWATER PIEZOMETER
LS22 LEACHATE SAMPLE LOCATION
NDSW07 SURFACE WATER SAMPLE LOCATION (JULY 2003)
ELV-1 SURFACE WATER SAMPLE LOCATION (PRIOR TO JULY 2003)
PROPOSED NEAR-SURFACE GROUNDWATER PIEZOMETER LOCATION TO BE SAMPLED FOR PERCHLORATE QUARTERLY
PROPOSED NEAR-SURFACE GROUNDWATER PIEZOMETER LOCATION TO BE SAMPLED FOR PERCHLORATE QUARTERLY
RD-37 ON-SITE WELL PROPOSED FOR QUARTERLY PERCHLORATE SAMPLING. OTHER OFF-SITE WELLS CURRENTLY IN SITE-WIDE GROUNDWATER MONITORING PROGRAM ALSO TO BE INCLUDED. LOCATIONS NOT SHOWN
WS-14 WELL PROPOSED FOR HYDROPHYSICAL TESTING, SAMPLING PROTOCOL TO BE DETERMINED FROM TESTING RESULTS
OS-9 WELL PROPOSED FOR WEEKLY PERCHLORATE SAMPLING FOR TWO MONTHS, MONTHY SAMPLING FOR TEN MONTHS, AND QUARTERLY SAMPLING THEREAFTER
S13 SSSW13 SPRING/SEEP PROPOSED TO BE SAMPLED TWICE A YEAR FOR PERCHLORATE. OTHER SEEPS/SPRINGS CURRENTLY IN SITE-WIDE GROUNDWATER MONITORING PROGRAM ALSO TO BE INCLUDED. LOCATIONS NOT SHOWN
WELL PROPOSED FOR PUMPING TEST WS-14 RESERVED AS A CONTINGENCY
DRAINAGE DIVIDE
DRAINAGE
RFI SITE BOUNDARY
TOP OF WELL ELEVATION IN FEET (msl)
TOP OF SCREEN ELEVATION IN FEET (msl)
BOTTOM OF SCREEN ELEVATION IN FEET (msl)
BOTTOM OF BORING ELEVATION IN FEET (msl)
TOTAL DEPTH OF BORING IN FEET
RANGE OF MEASURED WATER LEVELS
FINER GRAINED UNIT
FAULT LOCATION
INFERRED FAULT LOCATION BASED ON ONE OR A COMBINATION 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
S05 = 0-0.5"
S04 = 0-4"
S01 = 0-0.5"
S02 = 0.5-4"
Sediment Deposits of Varying Thickness
Alluvium
Weathered Bedrock
S06,S07, etc. 6" Intervals
S03 = Bottom 6" Above Bedrock
Sediment Sample Nomenclature
Conceptual Cross-Section Through Drainage
N
0 300 600
SCALE FEET
OS-9 (BATHTUB WELL 1)
OS-10 (BATHTUB WELL 2)
EAST CANYON 1
SIMI CONGLOMERATE CONTACT
BRANDEIS-BARDIN INSTITUTE
MOUNTAINS CONSERVANCY
SANTA MONICA
Eastern Drainage
Black Canyon Rd.
Drainage Area: ~821 Acres ~35,760,000 Sq. Ft.
Northern Boundary of Aerial Photo Coverage
Shale 3
SSFL
KUCS-2
ELV MEMBER
ELV
Area II Landfill
LOX
Area 2 STP
Former Incinerator Ash Pile
LOT BED
SPA MEMBER
Shale 2
NORTH FAULT
Area I Landfill
IEL
WS-14
SHEAR ZONE
Bldg 359
B-1 Area
CANYON MEMBER
UPPER SAGE BED
LOWER SAGE BED
WOOLSEY MEMBER
WOOLSEY CANYON FAULT
IEL FAULT
NORTH VALLEY MEMBER
BOWL MEMBER
UPPER BURRO FLATS MEMBER
S5 = 3%
S4 = 7.5%
S3 = 30%
S2 = 4%
S1 = 12%
ELV Member
AREA II LANDFILL
NORTH FAULT ZONE
SPA Member
AREA I LANDFILL
OS-9 (BATHTUB WELL 1)
EAST CANYON 1
Sim Conglomerate
LOX
Shale 2
SHEAR ZONE
OS-9 (Bathtub Well 1) SIN/TM18,015
Date Sampled | Result (mg/L)
3/20/02 | <0.003
2/21/03 | <0.004
5/30/03 | 0.14/0.15
6/11/03 | 0.59/0.039 (4SL) <0.003 (9ML)
7/2/03 | <0.0003/<0.0008
7/10/03 | <0.0003/<0.0008
7/17/03 | <0.0003/<0.0008
7/24/03 | <0.0003/<0.0008
7/31/03 | <0.0003/<0.0008
8/7/03 | <0.0003/<0.0008
8/12/03 | <0.0003/<0.0008
STARTING ON 7/2/03 THROUGH 8/12/03 THE FIRST RESULT SHOWN IS FROM CEMC LABORATORIES AND THE SECOND RESULT SHOWN IS FROM DEL MAR LABORATORIES
East Canyon 1 (1) SIN/TM18,010
Date Sampled | Result (mg/L)
5/8/02 | <0.003
SSSW11 OS-8
Date Sampled | Result (mg/L)
2/99 | <0.004
5/00 | <0.001
2/01 | <0.001
2/02 | <0.00043
1/03 | <0.001
SSSW03 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)
2/14/99 | <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)
11/5/97 | <0.001
5/4/98 | <0.004
8/5/98 | <0.004
11/3/00 | <0.001
RD-52B
Date Sampled | Chemiluminescent TL (ug/L)
2/4/99 | 1486.67
2/2/00 | 1484.53
5/3/01 | 1495.95
4/30/02 | 1519.18
1/28/03 | 1532.02
RD-52C
Date Sampled | Chemiluminescent TL (ug/L)
11/2/97 | 1464.55
5/2/98 | 1481.81
8/1/98 | 1483.15
11/2/00 | 1482.74
WS-4A
Date Sampled | Result (mg/L)
11/3/97 | <0.001
5/7/98 | <0.004
8/7/98 | <0.004
2/8/99 | <0.004
11/15/00 | <0.001
WS-4A
Date Sampled | Chemiluminescent TL (ug/L)
11/3/97 | 1471.35
5/2/98 | 1484.03
8/1/98 | 1490.09
2/2/99 | 1492.46
11/3/00 | 1487.03
A5SW01
Date Sampled | Result (mg/L)
2/01 | 0.003 UJ
Notes:
1. Reportedly a soil wash sample.
2. Three soil samples collected adjacent to bathtub on 6/11/03 did not contain perchlorate at a MRL of 40 ug/Kg.
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.
MWH
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
AUGUST 2003
PROPOSED SAMPLE LOCATIONS
NORTHERN DRAINAGE
PLATE 2