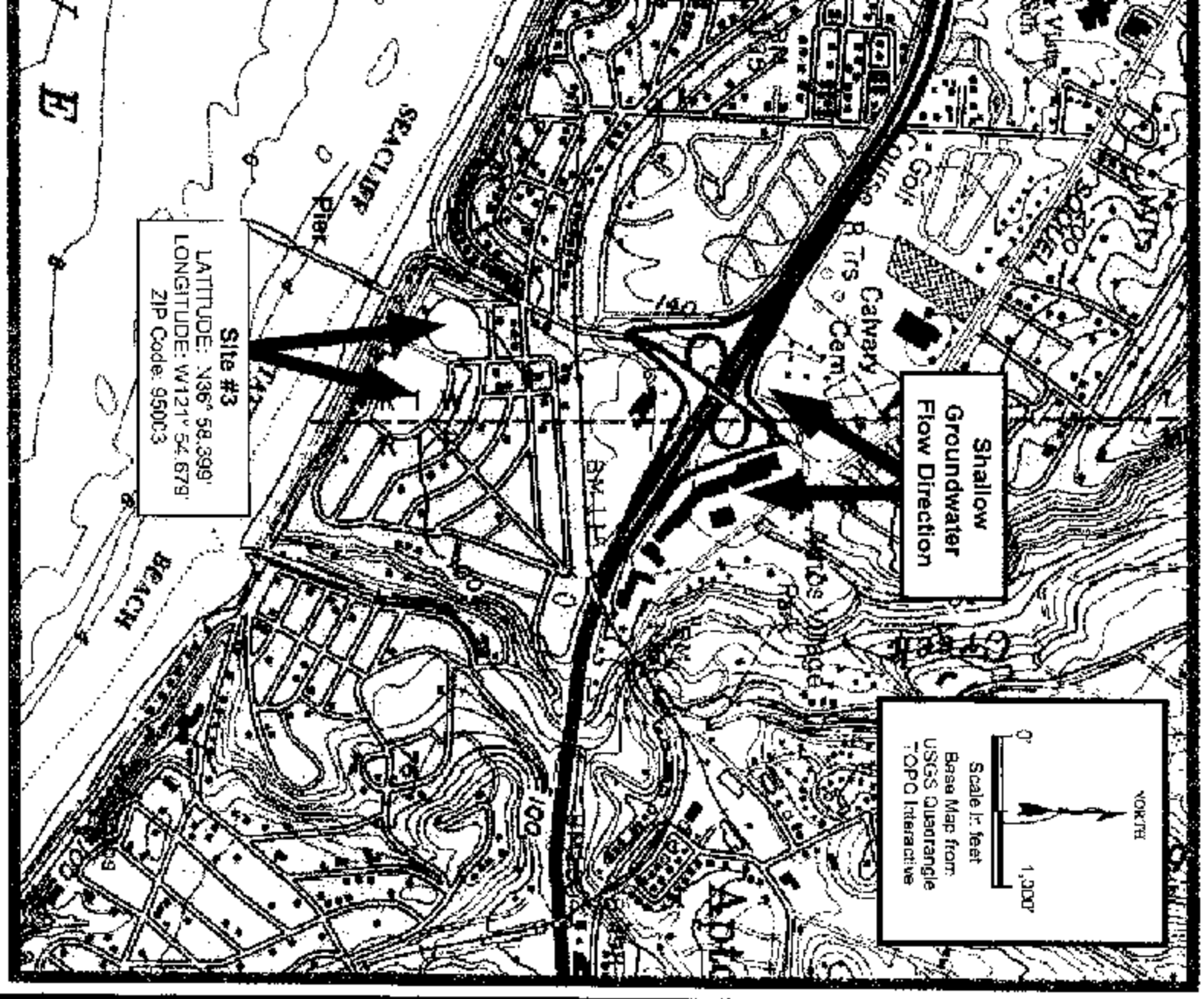
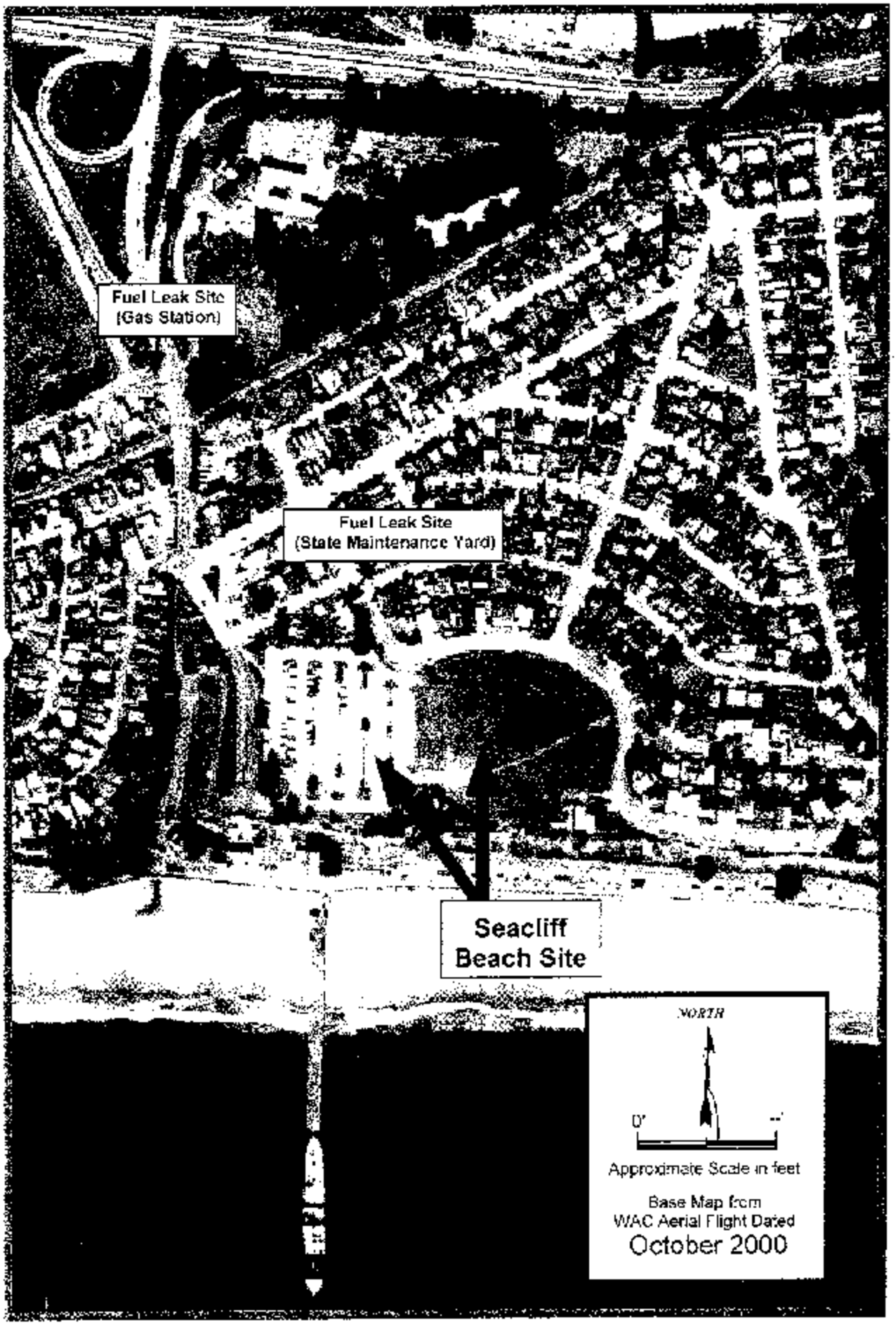
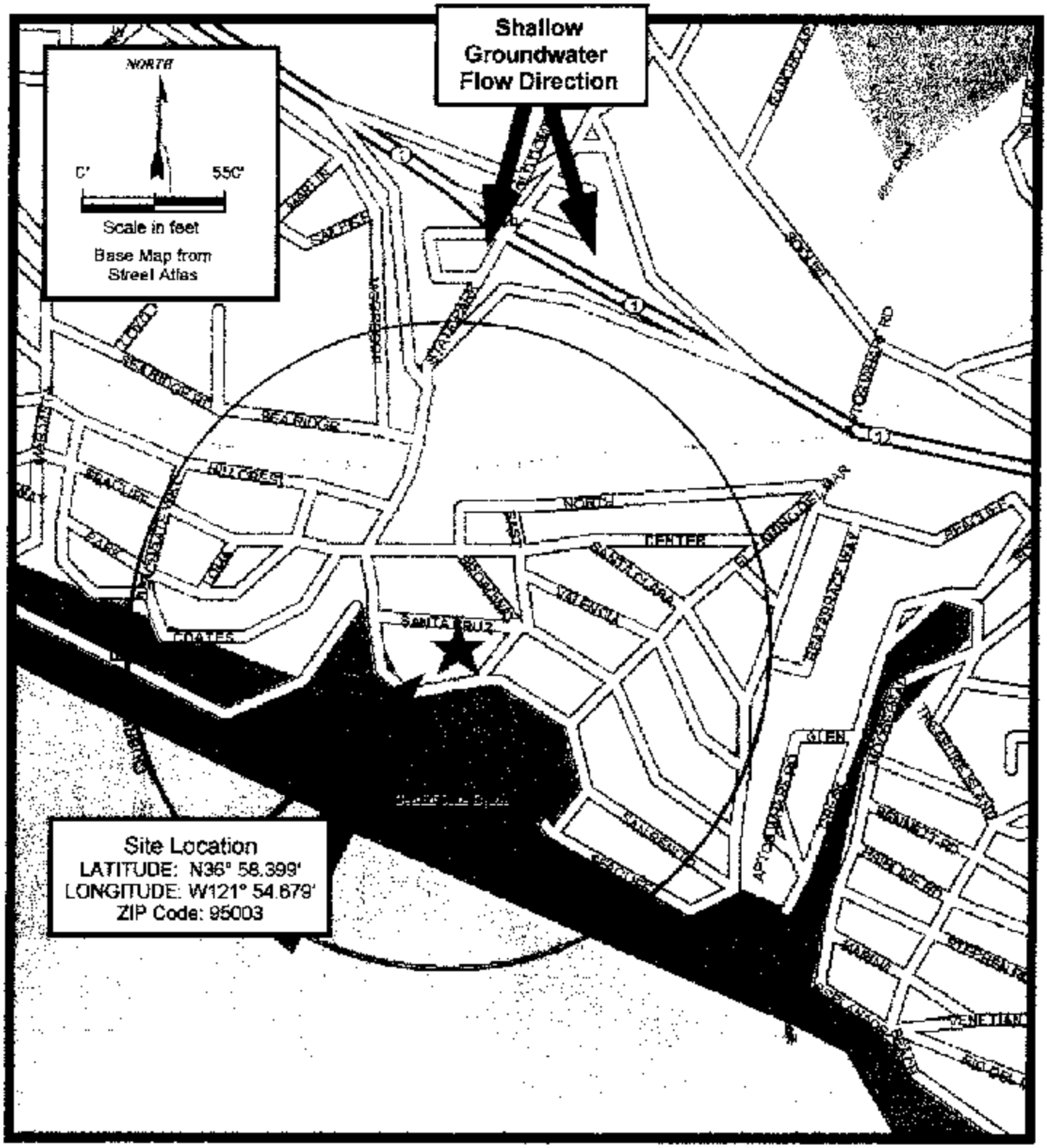


Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

VICINITY MAP
Visitor Center Feasibility Study
SITE 3 - Seacliff Beach Site
Aptos, California

FIGURE
3C
Job #
23008

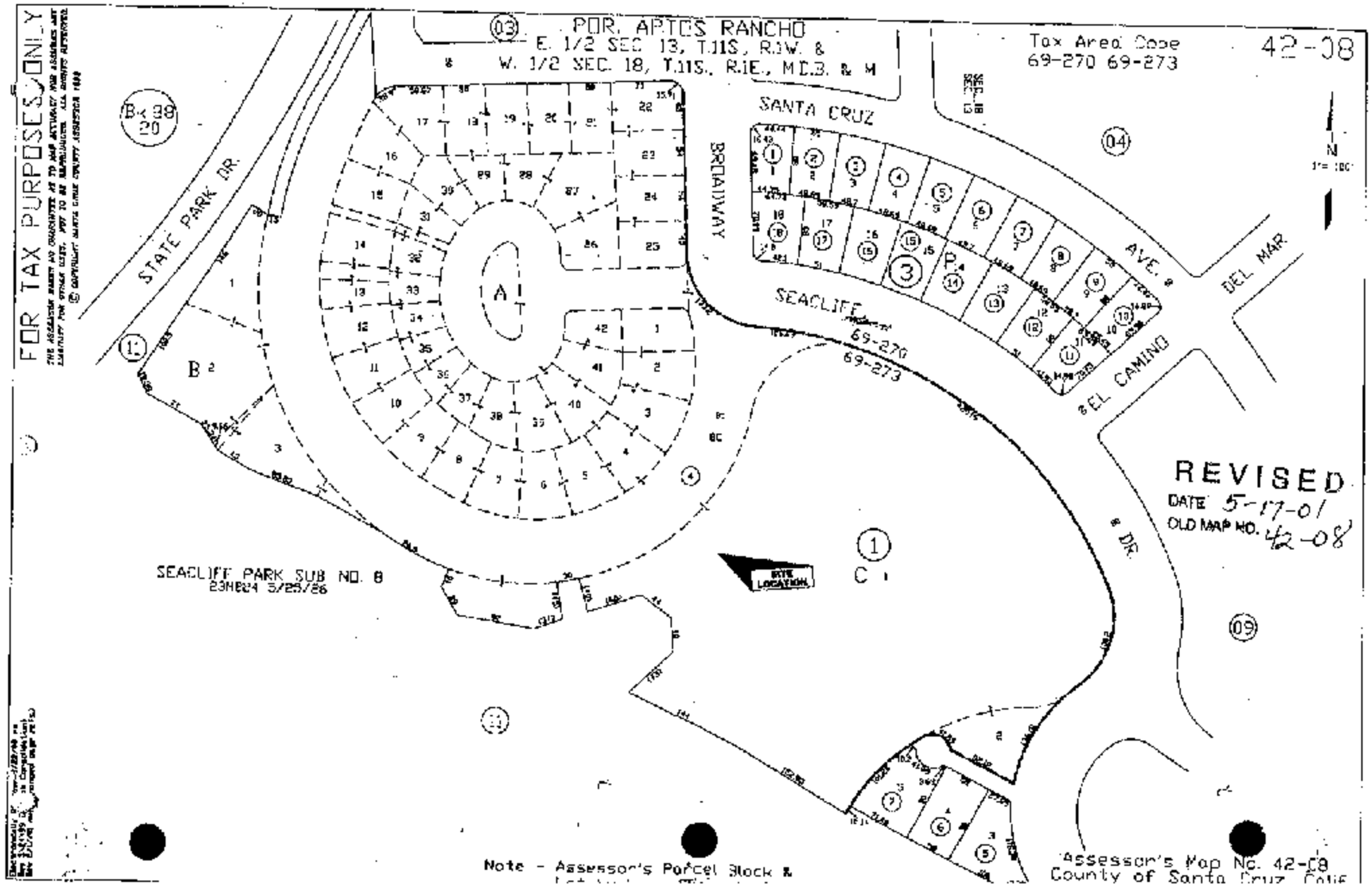

Fuel Leak Site
(Gas Station)
Fuel Leak Site
(State Maintenance Yard)
Seacliff
Beach Site
NORTH
0'
Approximate Scale in feet
Base Map from
WAC Aerial Flight Dated
October 2000



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

Street Map
Visitor Center Feasibility Study
SITE 3 - Seacliff State Beach Site
Aptos, California

FIGURE 1
Job # 23008


FOR TAX PURPOSES ONLY
(03) POR. APTOS RANCHO
E. 1/2 SEC. 13, T.11S., R.1W. &
W. 1/2 SEC. 18, T.11S., R.1E., M.D.B. & M
Tax Area Code
69-270 69-273
42-08
SANTA CRUZ
BROADWAY
STATE PARK DR.
SEACLIFF
69-270
69-273
AVE.
DEL MAR
EL CAMINO
DR.
REVISED
DATE 5-17-01
OLD MAP NO. 42-08
SEACLIFF PARK SUB NO. 8
23MB24 5/25/26
SITE LOCATION
Note - Assessor's Parcel Block &
Assessor's Map No. 42-08
County of Santa Cruz, Calif.

HARDCOPY AT 11:02:24 ON 04/17/03
USER ASR807 ON LU T0856C28 LOGGED ON TO ASR_INQ ACB TUD028

04/17/03 C O U N T Y O F S A N T A C R U Z
11:02:11 CHARACTERISTIC INQUIRY SCREEN

PARCEL NO.....: **042 081 04**
ASSESSEE NAME..: CALIFORNIA STATE OF
SITUS.....:
MAILING ADDRESS: 101 MADELINE DR
APTOS CA 95003
USE CODE.....: STATE PARK/RECREATION

STRUCTURE DATA

MAIN BUILDING...SQFT:		NO. UNITS....:		POOL.....:	
YEAR BUILT(EST).....:	0000	HEAT.....:		SPA.....:	
TOTAL ROOM COUNT....:		CONCRETE.SQFT:		DECKS.....SQFT:	
NO. BEDROOMS.....:		GARAGE...SQFT:		NO. FIREPLACES:	0
NO. BATHROOMS(F/H)..:	0 / 0	CARPORT..SQFT:		ROOF.....:	

MISC OTHER BUILDINGS:

LAND DATA

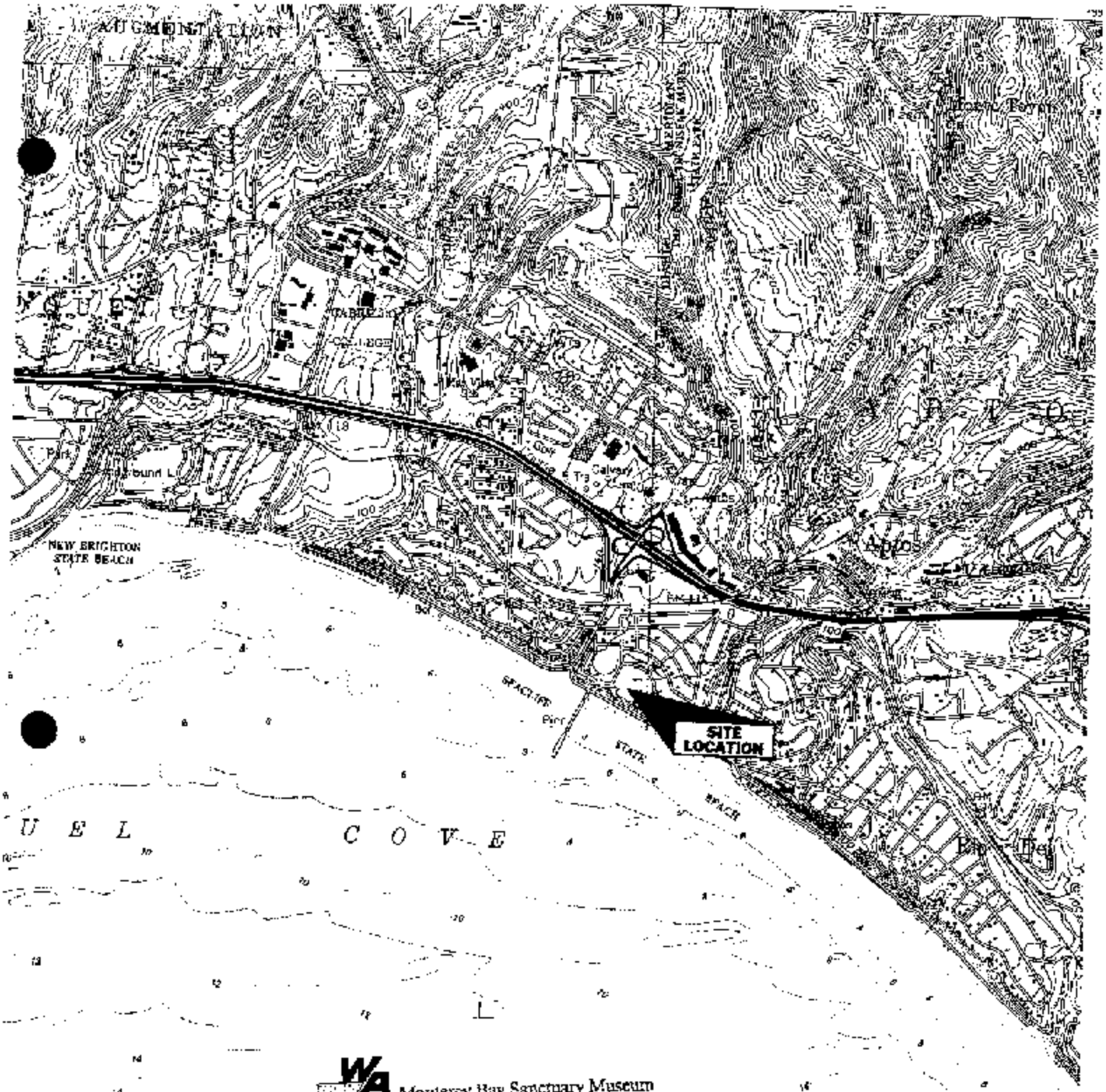
WATER.....:
SANITATION....: PARCEL SIZE (COMPUTER EST.).....ACRE: 12.146
PARCEL NO.....: **042 081 04** : :

NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THIS DATA.
JUST PRESS 'ENTER'

HARDCOPY AT 11:02:02 ON 04/17/03
USER ASR807 ON LU T0856C28 LOGGED ON TO ASR_INQ ACB TU0028

P R O P E R T Y P R O F I L E

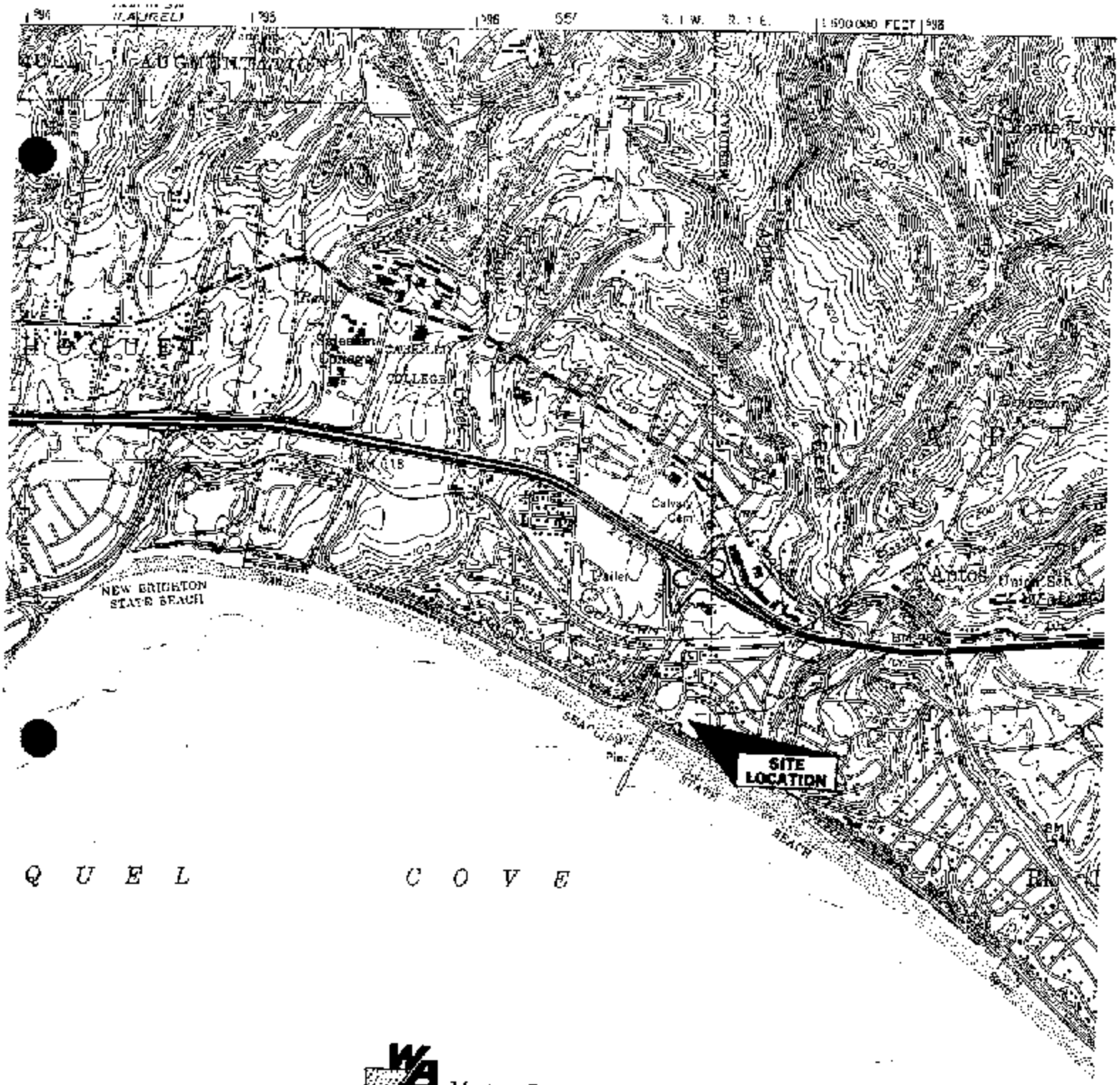
PARCEL NUMBER ..... 042 081 04 PUBLIC
PROPERTY LOCATION .....
OWNER'S NAME ..... CALIFORNIA STATE OF
DEPT OF PARKS & REC
OWNER'S MAILING ADDRESS..... 101 MADELINE DR
APTOS CA 95003
ASSESSMENT ROLL VALUE INFORMATION: LAND .....
IMPROVEMENTS .....
PERSONAL PROPERTY .....
TOTAL VALUE .....
EXEMPTION AMOUNT AND TYPE .....
---------- CURRENT -------- PREVIOUS ----
RECORDING REFERENCE 1822-006
RECORDING DATE 6/06/1967
PREVIOUS OWNER'S NAME.....
PLEASE KEY A NEW APN OR PRESS RED 'END' KEY TO START OVER.
OR PRESS PF1 FOR PROPERTY CHARACTERISTICS.



Monterey Bay Sanctuary Museum
Environmental Assessment Study

1994 Historical Topo Map

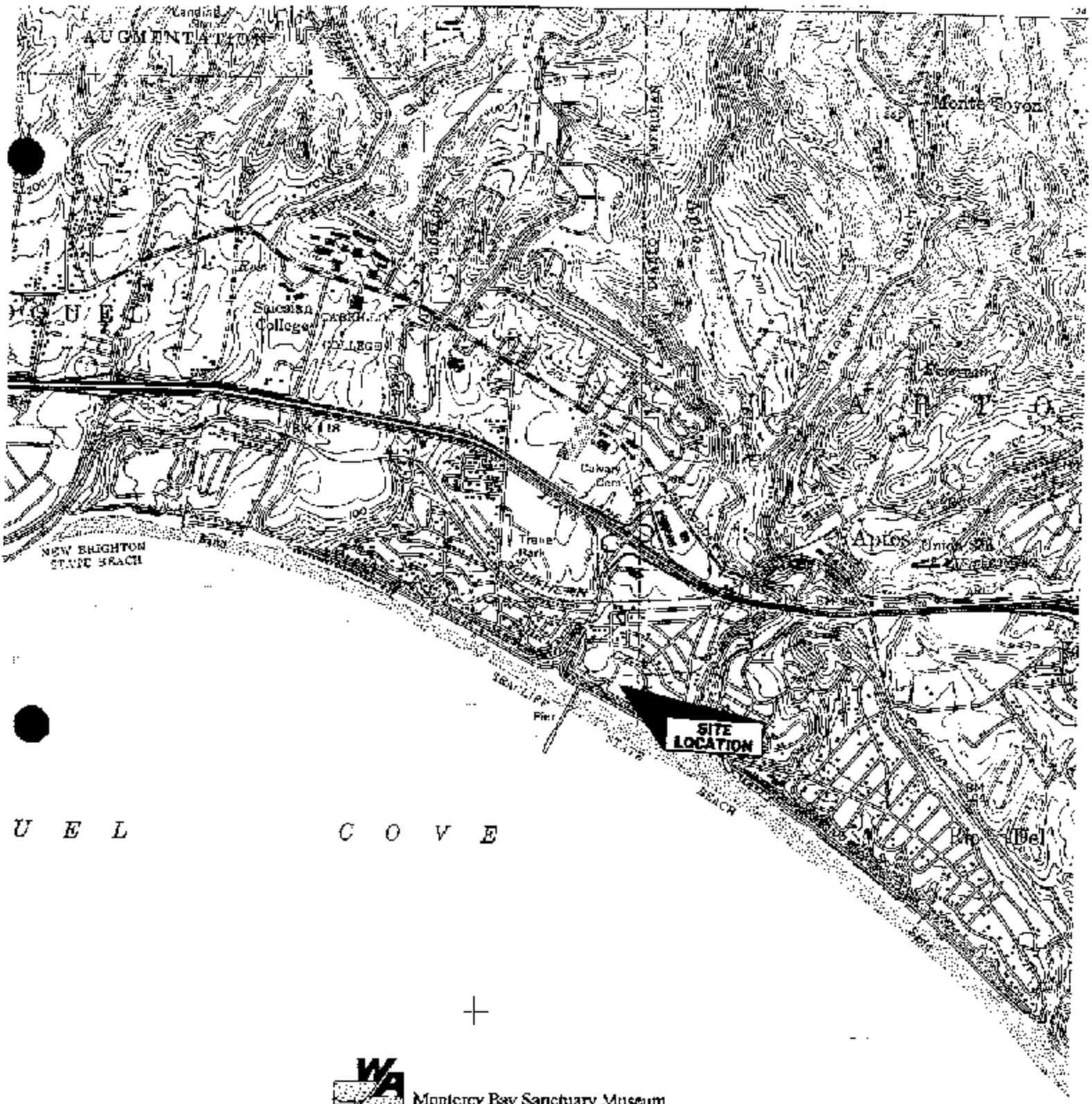
Soquel - 7.5 Minute Quadrangle
(scale: 1 inch = 2,000 feet)



Monterey Bay Sanctuary Museum
Environmental Assessment Study

1980 Historical Topo Map

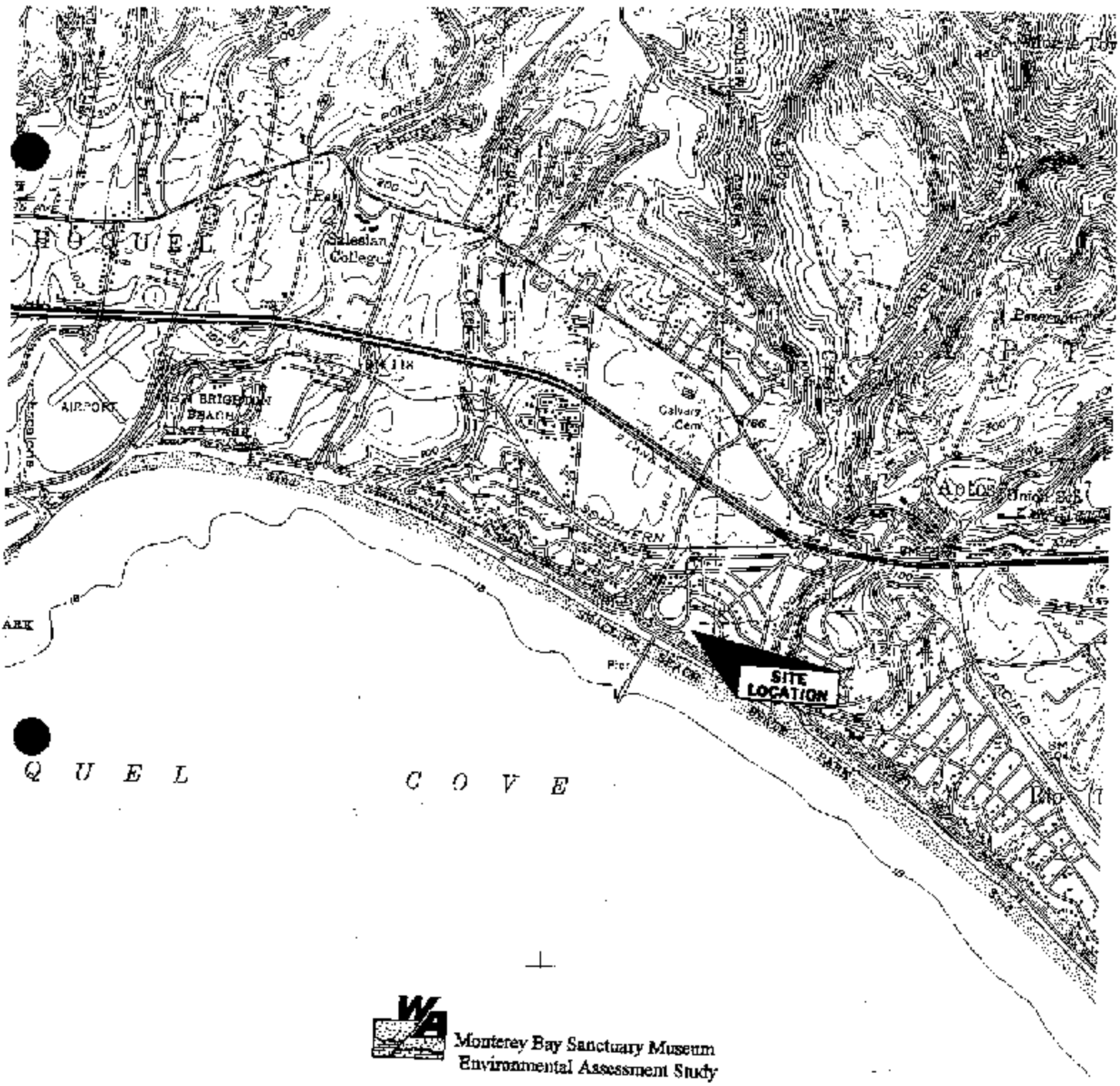
Soquel - 7.5 Minute Quadrangle
(scale: 1 inch = 2,000 feet)



Monterey Bay Sanctuary Museum
Environmental Assessment Study

1968 Historical Topo Map

Soquel - 7.5 Minute Quadrangle
(scale: 1 inch = 2,000 feet)



Monterey Bay Sanctuary Museum
Environmental Assessment Study

1954 Historical Topo Map

Soquel - 7.5 Minute Quadrangle
(scale: 1 inch = 2,000 feet)

The EDR Radius Map with GeoCheck®

Visitor Ctr-Site #3/Seacliff State Beach
Santa Cruz Avenue/Broadway
Aptos, CA 95003

Inquiry Number: 0960024.9s

April 15, 2003

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	3
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	32
Government Records Searched/Data Currency Tracking	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-49

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

SANTA CRUZ AVENUE BROADWAY
APTOS, CA 95003

COORDINATES

Latitude (North):	36.973800 - 36° 58' 25.0"
Longitude (West):	121.9[illegible]400 - 121° 54' 41.0"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	506806.6
UTM Y (Meters):	4092294.2

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	2436121-H3 SOQUEL, CA
Source:	USGS 7.5 min quad Index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records sites on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRIS-TSD	Resource Conservation and Recovery Information System
RCRIS-LQG	Resource Conservation and Recovery Information System
RCRIS-SQG	Resource Conservation and Recovery Information System
ERNS	Emergency Response Notification System

STATE ASTM STANDARD

AWP	Annual Workplan Sites

EXECUTIVE SUMMARY

Cal-Sites	Calsites Database
Notify 65	Proposition 65 Records
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
WMUDS/SWAT	Waste Management Unit Database
CA BOND EXP. PLAN	Bond Expenditure Plan
VCP	Voluntary Cleanup Program Properties
INDIAN UST	Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Materials Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS	FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tank Facilities
CLEANERS	Cleaner Facilities
CA WDS	Waste Discharge System
DEED	List of Deed Restrictions
NFA	No Further Action Determination
REF	Unconfirmed Properties Referred to Another Agency
SCH	School Property Evaluation Program
NFE	Properties Needing Further Evaluation
CA SLIC	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas	Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

VCP	Voluntary Cleanup Program Properties

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE ASTM STANDARD

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 12/31/2002 has revealed that there are 4 CHMIRS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	7718 SOQUEL DRIVE	1/4 - 1/2 NE	D10	16
SAFEWAY	18 RANCHO DEL MAR	1/2 - 1 NNE	19	27
Not reported	600 CATHEDRAL DRIVE	1/2 - 1 NE	23	30

Lower Elevation	Address	Dist / Dir	Map ID	Page
Not reported	305 BEACH DRIVE	1/2 - 1 SE	13	26

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with LUSTs having a reportable release, and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 2 Cortese sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SHELL	18 RANCHO DEL MAR	1/4 - 1/2 NNE	E16	25

Lower Elevation	Address	Dist / Dir	Map ID	Page
ESPLANADE PUMP STATION	103 MARINA AVE	1/4 - 1/2 SE	C11	13

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 01/06/2003 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SEACLIFF STATE BEACH	1 STATE PARK DR	0 - 1/8 NW	A2	8
TOSCO - FACILITY #5878	201 SEA RIDGE RD	1/8 - 1/4 N	B8	9
CHEVRON SERVICE STATION #9-427	7718 SOQUEL DR	1/4 - 1/2 NE	D14	18
SHELL STATION	18 RANCHO DEL MAR	1/4 - 1/2 NNE	E15	19
SHELL BRANDED SERVICE STATION	18 RANCHO DEL MAR	1/4 - 1/2 NNE	E17	24

Lower Elevation	Address	Dist / Dir	Map ID	Page
ESPLANADE PUMP STATION	103 MARINA AVE	1/4 - 1/2 SE	D17	33
APTOS ESPLANADE PUMP STATION	103 MARINA AVE	1/4 - 1/2 SE	G12	15

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 01/06/2003 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MOULTON'S UNION SERVICE #5878	201 SEARIDGE RD	1/8 - 1/4 N	B8	12

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resources Control Board.

A review of the CA FID UST list, as provided by EDR, has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MOULTON UNION SERVICE	201 SEARIDGE RD	1/8 - 1/4 N	B9	12

HIST UST: Historical UST Registered Database

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
UNION OIL SS# 5876	201 SEA RIDGE RD	1/8 - 1/4 N	B5	8
UNION OIL SS#5878	201 SEA RIDGE RD	1/8 - 1/4 N	B7	11

STATE OR LOCAL ASTM SUPPLEMENTAL

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without corrections, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substances Control's the agency.

A review of the HAZNET list, as provided by EDR, has revealed that there are 4 HAZNET sites within approximately 0.25 miles of the target property.

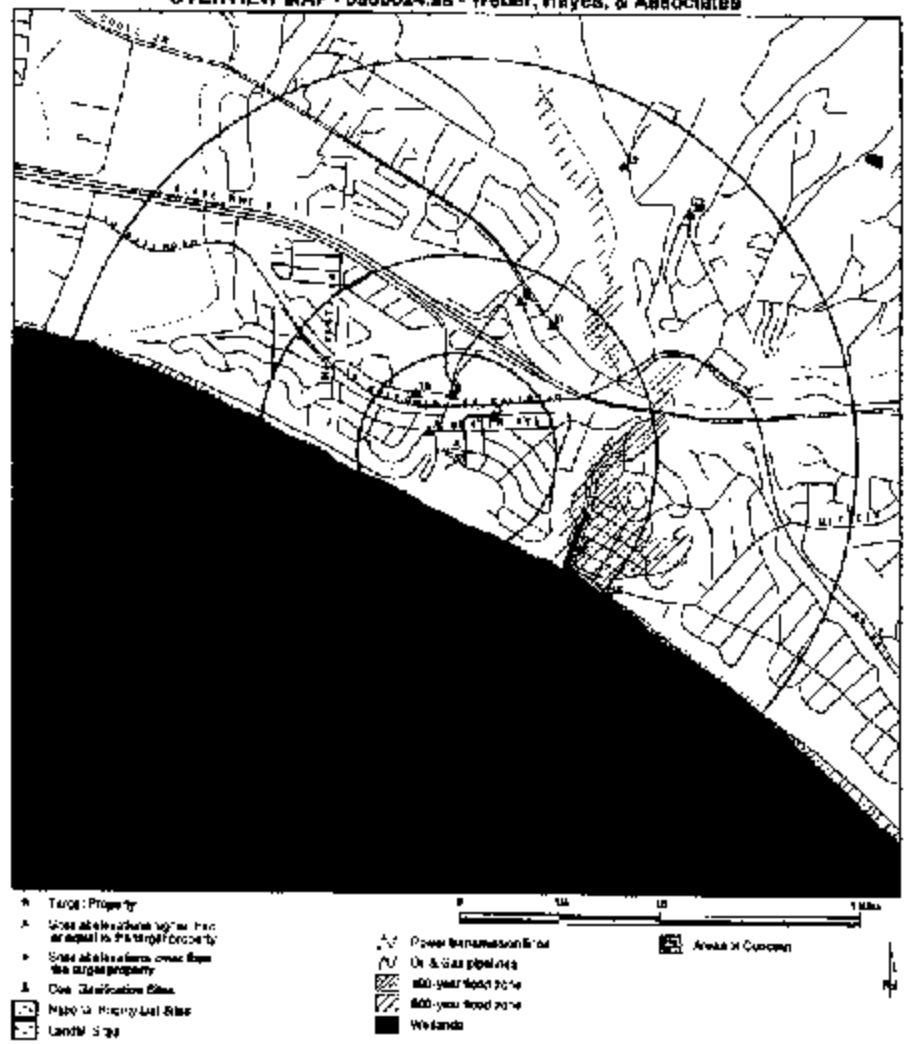
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CALIF STATE PARK DIST AUTO R	201 STATE PARK DR	0 - 1/8 NW	A1	6
TOSCA CATANIA	270 NORTH AVE	1/8 - 1/4 NE	3	8
UNOCAL SERVICE STATION #5878	201 SEARIDGE RD	1/8 - 1/4 N	B4	8
WESTERN MEDICAL ASSOCIATES	245 SEA RIDGE RD	1/8 - 1/4 NW	10	12

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped.

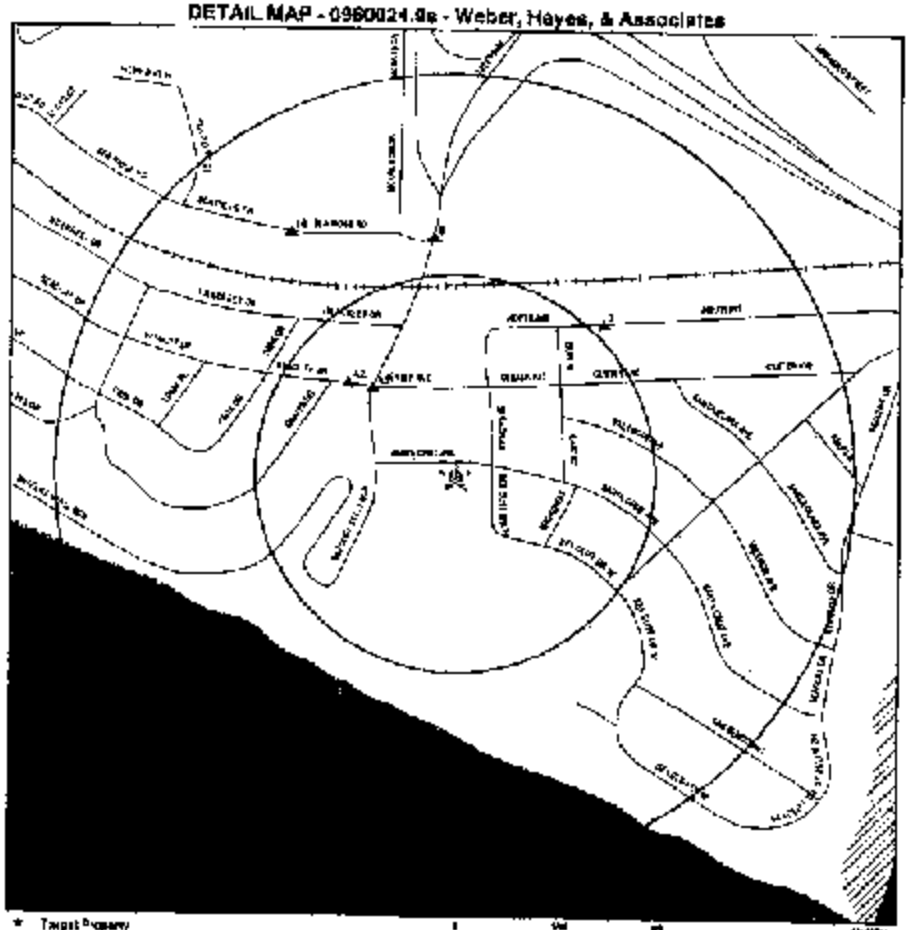
Site Name	Database(s)
SEACLIFF TRAIN DERAILMENT	Cal-Sites
SCCSD RIO PUMPING STATION	LUST, Cortese
POTBELLY BEACH CLUB	HIST UST
POTBELLY BEACH CLUB	CA FID UST
DPR SEACLIFF STATE BEACH	HAZNET
P G & E	HAZNET
206 BEACH DR	ERNS
MATERIAL IS 1/3 MILE OFFSHORE	ERNS
HWY 65 - BETW PARK AVE & STATE PARK DR	ERNS

OVERVIEW MAP - 0960024.9s - Weber, Hayes, & Associates



TARGET PROPERTY:	Visitor Ctr Site #1/Seacliff State Beach	CUSTOMER:	Weber, Hayes, & Associates
ADDRESS:	Santa Cruz Avenue/Broadway	CONTACT:	Pat Hoban
CITY/STATE/ZIP:	Aptos CA 95003	INQUIRY #:	0960024.9s
LAT/LONG:	36.9736 / 121.9114	DATE:	April 15, 2003 11:36 am

DETAIL MAP - 0960024.9s - Weber, Hayes, & Associates



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ▼ Sites at elevations lower than the target property
- Dual Distribution Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Power Transmission lines
- Cal S Gas pipelines
- 1/2 year flood zone
- 500 year flood zone
- Wetlands
- Areas of Concern

TARGET PROPERTY	Visitor Ctr-Site #3/Seacliff State Beach	CUSTOMER:	Weber, Hayes & Associates
ADDRESS:	Santa Cruz Avenue/Broadway	CONTACT:	Paz Haban
CITY/STATE/ZIP	Aptos CA 95003	INQUIRY #:	0960024.9s
LAT/LONG	36.9730 / 121.9114	DATE:	April 16, 2003 11:37 am

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CHMIRS		1.000	0	0	1	0	NR	4
Cortese		1.000	0	0	2	0	NR	2
Notify 65		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST		0.500	1	1	5	NR	NR	7
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
UST		0.250	0	1	NR	NR	NR	1
VCP		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
CA FID UST		0.250	0	1	NR	NR	NR	1
HIST UST		0.250	0	2	NR	NR	NR	2
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PACS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
AST		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
REF		0.250	0	0	NR	NR	NR	0
SGH		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	0	0	0	NR	NR	0
HAZNET		0.250	1	3	NR	NR	NR	4
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	0	0	0	NR	0
BROWNFIELDS DATABASES								
VCP		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1 CALIF. STATE PARK DIST. AUTO REPAIR SHOP — HAZNET — S[illegible]
NW 201 STATE PARK DR — N/A
<1/8 APTOS, CA 95003
398 ft.
Higher Site 1 of 2 in cluster A

HAZNET:

Gepaid:	CAL000108822
Tepaid:	CAT080013352
Gen County:	Santa Cruz
Tsd County:	Los Angeles
Tone:	02283
Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Recycler
Contact:	CALIF. STATE PARK
Telephone:	(831)[illegible]-6445
Mailing Address:	201 STATE PARK DR APTOS, CA 95003
County:	Santa Cruz

A2 SEACLIFF STATE BEACH — LUST — S[illegible]
NW 1 STATE PARK DR — N/A
<1/8 APTOS, CA 95003
466 ft.
Higher Site 2 of 2 in cluster A

State LUST:

Cross Street:	CENTER		
Qty Leaked:	Not reported		
Case Number:	3268		
Reg Board:	Central Coast Region		
Chemical:	Diesel		
Lead Agency:	Local Agency		
Local Agency:	44060		
Case Type:	Undefined		
Status:	No action		
County:	Santa Cruz		
Review Date:	Not reported	Confirm Leak:	Not reported
Prioritization:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remediation:	Not reported	Monitoring:	Not reported
Close Date:	Not reported		
Release Date:	2/16/2000		
Cleanup Funding:	Not reported		
Discovery Date:	1/1/1986		
Enforcement Dt:	Not reported		
Enf Type:	Not reported		
Enter Date:	Not reported		
Funding:	Not reported		
Staff Initials:	UST		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim:	Not reported		
Leak Cause:	UNK		
Leak Source:	Piping		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SEACLIFF STATE BEACH (Continued) S104494738

MTBE Date	Not reported
Max MTBE GW	Not reported
MTBE Tested	Not Required to be Tested
Priority	Not reported
Local Case #	Not reported
Beneficial	Not reported
Staff	BUC
GW Qualifier	Not reported
Max MTBE Soil	Not reported
Soil Qualifier	Not reported
Hydr Basin #	Not reported
Operator	Not reported
Oversight Prgm	RB Leaks Underground Storage Tank
Oversight Prgm	UST
Review Date	Not reported
Stop Date	Not reported
Work Suspended	Not reported
Responsible Party	UNKNOWN
RP Address	PO BOX 1283
Global Id	T0608700000
Org Name	Not reported
Contact Person	Not reported
MTBE Conc	0
MTBE Fund	0
Water System Name	Not reported
Well Name	Not reported
Distance To Well	0
Waste Discharge Global ID	Not reported
Waste Disch Assigned Name	Not reported

LUST Region 3

Case Number	3268	Release Date	02/18/2000
Cross Street	CENTER	Enter Date	Not reported
Responsible Party	UNKNOWN		
Local Agency	03	Regional Board	Central Coast Region
Discovered	01/01/2000	Stop Date	Not reported
How Found	Tank Closure	How Stopped	Not reported
Source	Piping		
Cause	UNK		
Lead Agency	Local Agency		
Case Type	Undefined		
Contact	Not reported	Staff Initials	BUC
Facility Status	No Action		
Facility County	Santa Cruz		
Review Date	Not reported	Funding	Not reported
Confirm Leak	/ /	Workplan	/ /
Prelim Assess	/ /	Pollution Char	/ /
Remedial Plan	/ /	Remedial Action	/ /
Monitoring	Not reported	Close Date	/ /
Enforce Type	Not reported		
Enforce Date	/ /	Pilot Program	UST
Interim Action	Not reported	Region	3
MTBE Concentration			
MTBE Fund	0		
Org Name	Not reported		
Max MTBE Ground Water	Not reported		
Max MTBE Soil	Not reported		
Max MTBE Date	/ /		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SEACLIFF STATE BEACH (Continued) S104494738

Multi Tested	NPO
Lat/Long	36.9749 / -121.9123
Soil Qualifier	Not reported
Groundwater Qualifier	Not reported
Summary	SEEKING ADVICE FROM DEPARTMENT HEADQUARTERS ON HOW TO PROCEED.

3
NE
1/8-1/4
703 ft.
Higher

TOSCO CATANIA
275 NORTH AVE
APTOS, CA 95003

HAZNET 0002102335
N/A

HAZNET

Gepaid	CAD0[illegible]
Tepaid	CAD[illegible]
Gen County	Santa Cruz
Tsd County	Shasta
Tons	.9500
Category	Aqueous solution containing waste
Disposal Method	Disposal, Land Fill
Contact	TOSCO CATANIA
Telephone	(408) 288 5343
Mailing Address	1200 LENNON WAY SAN JOSE, CA 95125
County	Santa Cruz

N4
North
1/8-1/4
715 ft.
Higher

UNOCAL SERVICE STATION 3887
201 SEABRIDGE RD
APTOS, CA 95003

HAZNET 0105058707
N/A

Site 1 of 6 in cluster R

HAZNET:

Gepaid	CAD[illegible]
Tepaid	CAD[illegible]
Gen County	Santa Cruz
Tsd County	San Mateo
Tons	.1342
Category	Aqueous solution with 10% or more total organic residues
Disposal Method	Recycler
Contact	UNION OIL CO
Telephone	(213) 977-7600
Mailing Address	PO BOX 3390 BIGLA, CA 92622 - 3390
County	Santa Cruz

UNOCAL SERVICE STATION 5878 (Continued) — S100668797

Signal: CAD0817[illegible]
Target: CAD[illegible]
Gen County: Santa Cruz
Tsd County: Los Angeles
Tons: 0.41
Category: [illegible]
Disposal Method: Transfer Station
Contact: HAZMAT SPRC MGRT
Telephone: (602) 733-4121
Mailing Address: PO BOX 52085
PHOENIX, AZ 85072-2085
County: Santa Cruz

B5 — UNOCAL OIL & GAS 5878 — 3011 BEACH BLVD — APTOS, CA 95003 — 3000 UST — U001[illegible]012 / N/A
North / SE 1/4 / 700 ft. / Higher — Site 2 of 4 in cluster B

UST HIST:

Facility ID: 60720
Tank Num: 1 — Container Num: 5878-[illegible]
Tank Capacity: 0 — Year Installed: Not reported
Tank Used for: WASTE
Type of Fuel: Not reported — Tank Construction: Steel
Leak Detection: Visual
Contact Name: MOULTON B SERVICE, INC. — Telephone: (408) [illegible]
Total Tanks: 7 — Region: STATE
Facility Type: 1 — Other Type: Not reported

Facility ID: 60720
Tank Num: 2 — Container Num: 5878-[illegible]
Tank Capacity: 8 — Year Installed: Not reported
Tank Used for: WASTE
Type of Fuel: Not Reported — Tank Construction: Steel
Leak Detection: Visual
Contact Name: MOULTON B SERVICE, INC. — Telephone: (408) 688-7800
Total Tanks: 2 — Region: STATE
Facility Type: 1 — Other Type: Not reported

B6 — TOSCO - FACILITY 5878 — 301 BEACH BLVD — APTOS, CA 95003 — LUST — S105324810 / N/A
North / SE 1/4 / 700 ft. / Higher — Site 3 of 4 in cluster B

State LUST:

Cross Street: STATE PARK DR
City Affected: Not reported
Case Number: 3046
Reg Board: Central Coast Region
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency: 43000

TOSCO - FACILITY 5878 (Continued) — S105324810

Case Type: Other ground water affected
Status: Case Closed
County: Santa Cruz
Abate Method: Unknown - action taken at site is unknown
Review Date: Not reported — Confirm Leak: Not reported
Workplan: Not reported — Prelim. Assess.: Not reported
Pollutr Char.: Not reported — Remed. Eff.: Not reported
Remed Action: Not reported — Monitoring: Not reported
Close Date: 10/[illegible]/2002
Release Date: 05/[illegible]/1989
Spread Fuel Id.: Not reported
Discover Date: 10/[illegible]/1986
Enforcement D.: Not reported
Rnl Type: LET
Enter Date: 01/01/[illegible]
Funding: 0
Sort Module: UST
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Cause: [illegible]
Leak Cause: Unk
Leak Source: Unk
MTBE Date: 8/[illegible]/2000
Max MTBE Conc: 0.5 Parts per Million
MTBE Tested: MTBE Detected - Site closed for MTBE & MTBE detected
Priority: Not reported
Local Case #: Not reported
Resolution: Not reported
Staff: BUC
GW Qualifier: [illegible]
Max MTBE Fdn: Not reported
Soil Qualifier: Not reported
Hydr Basin #: 4.13
Operator: Not reported
Oversight Prgm: RS Lead Impacted Storage Tank
Oversight Prgm: LUST
Review Date: 2/[illegible]/2002
Step Date: Not reported
Work Suspended: Not reported
Responsible Party: MR. ED RALSTON
RP Address: 1380 EAD HILL ROAD SUITE 120
Global ID: T0608700166
Dig Name: Not reported
Contact Person: Not reported
MTBE Conc: 3
MTBE Fdn: 1
Water System Name: Not reported
WW Name: Not reported
Distance To Lust: 0
Water Discharge Global ID: Not reported
Water Discharge Assigned Name: Not reported

LUST Region: 3.

Case Number: 3046 — Release Date: 05/[illegible]/1989
Cross Street: STATE PARK DR — Enter Date: 01/[illegible]
Responsible Party: MR. ED RALSTON
Local Agency: 43 — Regional Board: Central Coast Region
Discovered: 10/01/1986 — Stop Date: Not reported

YOSCO - FACILITY 8631 (Continued) B10522610

Time Found: Subsurface Monitoring
Source: Other
Cause: Leak
Lead Agency: Regional Board
Case Type: Other ground water impacted
Contact: Not reported
Facility Status: Case Closed
Facility County: Santa Cruz
Review Date: 7/30/02
Control Lead: / /
Plume Assess: / /
Remedial Plan: / /
Monitoring: Not reported
Enforce Type: LET
Enforce Date: / /
Interim Action: C
Mobile Contaminant: .
Mobile Fuel: 1
Org Name: Not reported
Max MTBE Ground Water: 110
Max MTBE Soil: Not reported
Max MTBE Date: 09/06/2002
MTBE Tested: YES
Latitude: 36.975470 / Longitude: -121.912781
Well Quality: Not reported
Groundwater Quality: .
Summary: SITE CLOSED 8/7/02 POST CLOSURE MONITORING MW-3 DRY.

How Stopped: No reported
Staff Initials: DLC
Funding: 0
Workplan: / /
Pollution Char: 09/18/1990
Remedial Action: / /
Closed Date: 7/30/2002
Data Source: UST
Region: 3

B7 North 1/8-1/4 798 ft. Higher — UNION OIL BUSINESS, 231 SEA RIDGE RD, APTOS, CA 95003 — HIST UST U003800313 N/A

Site 4 of 6 in cluster B

HIST UST:
Facility ID: 30709
Tank Num: 1
Tank Capacity: 10000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Leak Detection: Stock Inventory
Contact Name: MOULTON'S SERVICE, INC
Total Tanks: 3
Facility Type: *

Container Num: Sprd-1-1
Year Installed: 1961
Tank Construction: Not reported
Telephone: (408) 685-7600
Region: STATE
Other Type: Not reported

Facility ID: 30708
Tank Num: 2
Tank Capacity: 10000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Leak Detection: Stock Inventory
Contact Name: MOULTON'S SERVICE, INC
Total Tanks: 3
Facility Type: 1

Container Num: 5875-2-1
Year Installed: 1987
Tank Construction: Not reported
Telephone: (408) 685-7600
Region: STATE
Other Type: Not reported

Facility ID: 30708
Tank Num: 3

Container Num: 5875-4-1

UNION OIL 5885474 (Continued) U003800313

Tank Capacity: 300
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Leak Detection: Stock Inventory
Contact Name: MOULTON'S SERVICE, INC
Total Tanks: 3
Facility Type: .

Year Installed: Not reported
Tank Construction: Not reported
Telephone: (408) 685-7600
Region: STATE
Other Type: Not reported

B8 North 1/8-1/4 788 ft. Higher — MOULTON'S UNION SERVICE 45478-31097, 231 SEARIDGE RD, APTOS, CA 95003 — UST U003756152 N/A

Site 5 of 6 in cluster B

State UST:
Facility ID: FA0002743
Total Tanks: 3
Region: STATE
Local Agency: 44005

B9 North 1/8-1/4 798 ft. Higher — MOULTON UNION SERVICE, 231 SEARIDGE RD, APTOS, CA 95003 — CA FID UST 100000744 N/A

Site 6 of 6 in cluster B

FID:
Facility ID: 44005858
Reg By: Active Underground Storage Tank Location
Owner Code: Not reported
Status: Active
Ma. Yn: Not reported
P O BOX
APTOS, CA 95003
Contact: Not reported
DL Number: Not reported
Grantee: 1592203
EPA ID: Not reported
Comments: Not reported

Regulated By: 00000000
SIC Code: Not reported
Facility Tel: (408) 685-7600

Contact Tel: Not reported
NFOBS No: Not reported
Modified: 00/00/00

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10 NW 1/8-1/4 985 ft. Higher — WESTERN MEDICAL ASSOCIATES, 245 SEA RIDGE RD, APTOS, CA 95003 — RAZNET B100000602 N/A

MAP FINDINGS

WESTERN MEDICAL ASSOCIATES (Continued) S103895902

HAZNET:
Year: CAL000174362
Tsqid: CAL000163947
Gen County: Santa Cruz
Tsd County: Santa Cruz
Tons: .0200
Category: [illegible]
Disposal Method: Recycler
Contact: C H W MEDICAL FOUNDATION
Telephone: (408) 423-2430
Mailing Address: 1686 SOQUEL DR STE 400
SANTA CRUZ, CA 95065 - 1717
County: Santa Cruz

C11
NE
1/4-1/2
2561 ft.
Lower

ESPLANADE PUMP STATION
100 MARINA AVE
APTOS, CA 95003

LUBT S102429279
Cortese N/A

Site 1 of 2 in cluster C

State LUST:
Cross Street: MOOSEHEAD DRIVE
City Tested: Not reported
Case Number: 485
Reg Board: Central Coast Region
Chemical: Diesel
Lead Agency: Regional Board
Local Agency: 44000
Case Type: Other ground water affected
Status: Case Closed
County: Santa Cruz
Abate Method: 0
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Close Date: 10/7/1988
Release Date: 5/24/1987
Cleanup Funded: Not reported
Discover Date: 1/1/1985
Environment Off: Not reported
Enf Type: Not reported
Enter Date: 7/15/1987
Funding: Responsible Party
Staff Initials: UST
How Discovered: ON
How Stopped: Not reported
Interim: No
Leak Cause: Unk
Leak Source: Unk
MTBE Data: not reported
Max MTBE GW: Not reported
MTBE Tested: not data on 15 ca Tested
Priority: 0
Local Case #: Not reported
Beneficial: Not reported
Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported
Monitoring: Not reported

MAP FINDINGS

ESPLANADE PUMP STATION (Continued) S102429279

Site: HDC
GW Qualifier: Not reported
Max MTBE Soil: Not reported
Soil Qualifier: Not reported
Prior Release: 4/13
Operator: Not reported
Oversight Prgm: SB Leak Underground Storage Tank
Oversight Prgm: LUST
Review Date: 8/18/1992
Stop Date: Not reported
Work Suspended: Not reported
Responsible Party: JIM MARTIN
RP Address: 2780 LODE STREET
Geocoord: T0060706228
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
MTBE Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Well: 0
Waste Discharge Global ID: Not reported
Waste Discharge Assigned Name: Not reported

.UST Region 3:
Case Number: 485
Cross Street: MOOSEHEAD DRIVE
Responsible Party: JIM MARTIN
Local Agency: 03
Discovered: 01/01/1985
How Found: Not reported
Source: Other
Cause: UNK
Lead Agency: Regional Board
Case Type: Other ground water affected
Contact: Not reported
Facility Status: Case Closed
Facility County: Santa Cruz
Review Date: 9/16/92
Confirm Leak: / /
Prelim Assess: / /
Remedial Plan: / /
Monitoring: Not reported
Enforce Type: Not reported
Enforce Date: / /
Interim Action: 0
MTBE Concentration:
MTBE Test: 0
Org Name: Not reported
Max MTBE Ground Water: Not reported
Max MTBE Soil: Not reported
Max MTBE Date: / /
MTBE Tested: NRO
Lat/Long: 36.9708259 / -121.8038468
Soil Qualifier: Not reported
Groundwater Qualifier: Not reported
Summary: CLOSED

Release Date: 05/24/1987
Enter Date: 7/15/87
Regional Board: Central Coast Region
Reg Date: Not reported
How Stopped: Not reported
Staff Initials: HDC
Funding: Responsible Party
Workplan: / /
Pollution Char: 07/01/1987
Remedial Action: 12/01/1987
Close Date: 10/07/1988
Pilot Program: UST
Region: 3

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ESPLANADE PUMP STATION (Continued) S102420078

CORTESE:
Reg ID: 49
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

C12
SE
1/4-1/2
2051 ft
Lower

APTOS ESPLANADE PUMP STATION
145 MARINA AVE
APTOS, CA 95003

LUST S103821447
N/A

Site 2 of 2 in cluster C

State LUST:
Cross Street: MOOSEHEAD DR
City Leaked: Not reported
Case Number: 3045
Reg Board: Central Coast Region
Chemical: Diesel
Lead Agency: Regional Board
Local Agency: 44300
Case Type: Other ground water affected
Status: Post remedial action monitoring
County: Santa Cruz
Abate Method: Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: 1/1/1978
Close Date: Not reported
Release Date: 8/4/1988
Cleanup Fund Id: Not reported
Discover Date: 1/1/1988
Enforcement Dt: Not reported
Enf Type: Not reported
Enter Date: 8/18/1989
Funding: C
Staff Initials: LUST
How Discovered: Tank Closure
How Stopped: Not reported
Interim: No
Leak Cause: Unk
Leak Source: Other Source
MTBE Date: 11/28/1990
Max MTBE GW: Not reported
MTBE Tested: MTBE Detected. See Issues for MTBE & MTUE detected
Priority: Not reported
Local Case #: Not reported
Bondcase: Not reported
Staff: BUC
GW Qualifier: Not reported
Max MTBE Soil: Not reported
Soil Qualifier: Not reported
Hyd Basin #: 4.13
Operator: Not reported
Oversight Prgm: Kid Lead Underground Storage Tank
Oversight Prgm: LR.

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported
Monitoring: 1/1/1978

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

APTOS ESPLANADE PUMP STATION (Continued) S103821447

Review Date: Not reported
Stop Date: 7/30/1988
Work Suspended: Not reported
Responsible Party: RUSS BATESON
RP Address: 101 OCEAN ST RM 410
Global Id: T0606700135
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 2
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global Id: Not reported
Waste Discharge Assigned Name: Not reported

LUST Region 3:
Case Number: 3045
Cross Street: MOOSEHEAD DR
Responsible Party: RUSS BATESON
Local Agency: 03
Discovered: 8/4/1985
How Found: Tank Closure
Source: Other
Cause: Unk
Lead Agency: Regional Board
Case Type: Other ground water affected
Contact: Not reported
Facility Status: Post remedial action monitoring
Facility County: Santa Cruz
Review Date: Not reported
Confirm Leak: / /
Prelim Assess: / /
Remedial Plan: / /
Monitoring: 1/1/78
Enforce Type: Not reported
Enforce Date: / /
Interim Action: 0
Mtbe Concentration:
Mtbe Fuel: 0
Org Name: Not reported
Max MTBE Ground Water: Not reported
Max MTBE Soil: Not reported
Max MTBE Date: 11/28/1990
MTBE Tested: YES
Lat/Long: 36.9701252 / -121.9454855
Soil Qualifier: Not reported
Groundwater Qualifier: Not reported
Summary: Not reported

Release Date: 08/04/1988
Enter Date: 8/18/89
Regional Board: Central Coast Region
Stop Date: 7/30/88
How Stopped: Not reported
Staff Initials: BUC
Funding: C
Workplan: / /
Pollution Char: / /
Remedial Action: / /
Close Date: / /
Pilot Program: UST
Region: 3

C13
NE
1/4-1/2
2137 ft
Higher

7711 SEQUEL DRIVE
APTOS, CA 95003

CHMIRS S100218481
N/A

Site 1 of 2 in cluster C

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

(Continued) S103258481

CHARS:

DES Control Number:	90-H876	DOT ID:	1203
DOT Hazard Class:	Flammable Liquid		
Chemical Name:	GASOLINE		
Extent of Release:	Not reported		
CAS Number:	Not reported	Quantity Released:	60
Environmental Contamination:	Other	Property Use:	Mercantile Business
Incident Date:	26-DEC-90	Date Completed:	28-DEC-90
Time Completed:	2222		
Physical State Spread:	Liquid		
Physical State Released:	Liquid		
Release Unit:	Gallons		
Container Description:	3		
Container Type:	51		
Container Material:	Aluminum and Aluminum alloys		
Level Of Container:	Ground Level		
Container Capacity:	4000		
Container Capacity Units (code):	Gallons		
Extent Of Release (code):	4		
Agency Number:	44005		
Agency Incident Number:	15703		
DES Incident Number:	90-H876		
Time Notified:	2103		
Surrounding Area:	500		
Estimated Temperature:	32		
Property Management:	Not reported		
More Than Two Substances Involved?:	Not reported		
Special Studies 1:	Not reported		
Special Studies 2:	Not reported		
Special Studies 3:	Not reported		
Special Studies 4:	Not reported		
Special Studies 5:	Not reported		
Special Studies 6:	Not reported		
Responding Agency Personnel # Of Injuries:	0		
Responding Agency Personnel # Of Fatalities:	0		
Responding Agency Personnel # Of Decontaminated:	0		
Others Number Of Decontaminated:	0		
Others Number Of Injuries:	1		
Others Number Of Fatalities:	0		
Vehicle Make/Year:	Not reported		
Vehicle License Number:	3458030		
Vehicle State:	CA		
Vehicle Id Number:	Not reported		
CA/DOT/PUC/CCC Number:	147439		
Company Name:	CHEVRON		
Reporting Officer Name/ID:	RAYMOND F. BENSEN 10		
Report Date:	26-DEC-90		
Comments:	No		
Facility Telephone Number:	408-685-3263		
Waterway Involved:	Not reported		
Waterway:	Not reported		
Spill Size:	Not reported		
Cleaned By:	Not reported		
Containment:	Not reported		
What Happened:	Not reported		
Date/Time:	Not reported		
Evacuations:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

(Continued) S103258481

Type:	Not reported	
Other:	Not reported	
Chemical 1:		Not Reported
Chemical 2:		Not Reported
Chemical 3:		Not Reported

D14 CHEVRON SERVICE STATION #9-4914 LUST S103258385
NE 7319 SOQUEL DR PRA
1/4-1/2 APTOS, CA 95003
3320 ft
Higher Site 2 of 2 in cluster D

State LUST:

Cross Street:	CLIFF DR		
City Locked:	Not reported		
Case Number:	2321		
Reg Board:	Central Coast Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency:	44005		
Case Type:	Soil only		
Status:	Case Closed		
County:	Santa Cruz		
Abate Method:	Unknown - action taken at site is unknown		
Review Date:	1/1/1975	Caution Date:	1/1/1975
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	6/24/2002		
Release Date:	2/13/1997		
Cleanup Fund Id:	Not reported		
Discover Date:	1/1/1985		
Enforcement Dt:	Not reported		
Env Type:	Not reported		
Enter Date:	4/9/1997		
Funding:	0		
Staff Initials:	LST		
Inv Discovered:	OM		
Inv Stopped:	Not reported		
Interim:	No		
Leak Cause:	Other Cause		
Leak Source:	UNK		
MTBE Date:	Not reported		
Max MTBE GW:	Not reported		
MTBE Tested:	Site NOT Tested for MTBE, Included Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case #:	Not reported		
Beneficial:	Not reported		
Staff:	BUC		
GW Qualifier:	Not reported		
Max MTBE Soil:	Not reported		
Soil Qualifier:	Not reported		
Hydr Basin #:	4.13		
Operator:	Not reported		
Oversight Prgm:	RB Lead Underground Storage Tank		
Oversight Prgm:	LST		
Review Date:	6/29/2002		

Map ID
Direction
Distance
Distance (L)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA Number

CHEVRON SERVICE STATION # 4224 (Continued) 8103398925

Stop Date 10/1/1996
Work Suspended Not reported
Responsible Party MARK LAFFERTY
RP Address PO BOX 5004
Global ID T0608700041
Org Name Not reported
Contact Person Not reported
MTBE Conf 0
Mtbe Fuel 1
Water System Name Not reported
Well Name Not reported
Distance To Lust 0
Waste Discharge Global ID Not reported
Waste Discharge Assigned Name Not reported

LUST Region 3
Case Number 3921
Date Stored 01/01/00
Responsible Party MARK LAFFERTY
Local Agency 05
Discovered 01/01/1900
How Found Not reported
Source Other
Cause Other Cause
Lead Agency Local Agency
Case Type Soil only
Contact Not reported
Facility Status Case Closed
Facility County Santa Cruz
Review Date 5/28/02
Confirm Leak 0/0/0000
Prelim Assess 0/0/
Remedial Plan 0/0/
Monitoring Not reported
Enforce Type Not reported
Enforce Date 0/0/
Interim Action 0
Mtbe Contamination
Mtbe Fuel 1
Org Name Not reported
Max MTBE Ground Water Not reported
Max MTBE Soil Not reported
Max MTBE Date 0/0/
MTBE Tested NT
Lat/Long 36.9782486 / -121.5007608
Site Quarter Not reported
Groundwater Quality Not reported
Summary RELEASE MAY HAVE BEEN FROM FACILITIES REPLACED IN 1980'S BEFORE SAMPLING WAS REQUIRED. NO FUNDING REACTION, SOIL ONLY SITE. CLOSED BY DCHEA.

Release Date 02/13/1997
Closed Date 4/3/97
Working Board: Central Coast Region
Stop Date 10/1/96
How Stopped: Not reported

Staff Initials: BUD

Funding C
Workplan 0 0
Petroleum Chem 0 0
Remedial Action 0 0
Close Date: 05/14/2002

Prior Program: UST
Region 3

E15 SHELL STATION
NNE 15 RANCHO DEL MAR
APTOS, CA 95003
2347 ft.
Higher Site 1 of 3 in cluster E

LUST U001466898
HIST LUST N/A

Map ID
Direction
Distance
Distance (L)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SHELL STATION (Continued) U003966808

Name LUST.
Gross Score Not reported
City Leaves Not reported
Case Number 3946
Reg Board Central Coast Region
Chemical Gasoline
Lead Agency Regional Board
Lead Agency 14000
Case Type Underground water affected
Status Remediation Plan
County Santa Cruz
Review Date Not reported
Workplan Not reported
Pollution Char 4/23/2002
Remed Action Not reported
Close Date Not reported
Release Date Not reported
Cleanup Funding Not reported
Discover Date 1/1/1986
Enforcement Dt Not reported
Enf Type LBT
Enter Date Not reported
Funding Not reported
Staff Initials LINK
How Recovered CM
How Stopped Not reported
Interim Not reported
Lead Cause LINK
Lead Source LINK
Match Date 7/12/2002
Max MTBE GW 1.0 Parts per Billion
MTBE Tested MTBE Detected. Site meets No MTBE & MTBE detected
Priority Not reported
Local Case # Not reported
Baseline Not reported
Staff TAG
GW Quality
Max MTBE Soil Not reported
Site Quarter Not reported
Hydr Basin # Not reported
Operator Not reported
Oversight Prgm RB Leaks Underground Storage Tank
Oversight Prgm UST
Review Date 02/28/02
Stop Date Not reported
Work Suspended Not reported
Responsible Party KAREN PETRYNA
RP Address PO BOX 7889
Global ID T0608700041
Org Name Not reported
Contact Person Not reported
MTBE Conf 3
Mtbe Fuel 1
Water System Name Not reported
Well Name Not reported
Distance To Lust 0
Waste Discharge Global ID Not reported

Creation Leak Not reported
Prelim Assess Not reported
Remed Plan 4/30/2002
Monitoring Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SHELL STATION (Continued) U001600405

Waste Ditch Assigned Name: Not reported

Cross Street:	SEQUEL DR		
City Located:	Not reported		
Case Number:	359		
Reg Board:	Central Coast Region		
Chemical:	Waste Oil		
Lead Agency:	Regional Board		
Local Agency:	44009		
Case Type:	Other ground water affected		
Status:	Case Closed		
County:	Santa Cruz		
Abatt Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	9/10/1987	Confirm Leak:	9/10/1987
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	8/15/1990	Remed Plan:	8/15/1990
Remed Action:	8/1/1991	Monitoring:	8/1/1991
Close Date:	10/15/1992		
Release Date:	9/10/1987		
Cleanup Funding:	Not reported		
Discover Date:	1/1/1985		
Enforcement Dt:	Not reported		
Edit Type:	Not reported		
Enter Date:	9/15/1987		
Funding:	Responsible Party		
Staff Initials:	UST		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Inform:	NA		
Lead Cause:	UNK		
Lead Source:	UNK		
MTBE Date:	8/31/2001		
Max MTBE GW:	5 Parts per Billion		
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected		
Priority:	Not reported		
Local Case #:	Not reported		
Beneficial:	Not reported		
Class:	HDC		
GW Qualifier:	<		
Max MTBE Soil:	Not reported		
Soil Qualifier:	Not reported		
Hydr Basin #:	4.13		
Operator:	Not reported		
Oversight Prgm:	RB Lead Underground Storage Tank		
Oversight Prgm:	UST		
Review Date:	10/18/1992		
Stop Date:	9/17/1987		
Work Suspended:	Not reported		
Responsible Party:	Not reported		
Hr Address:	Not reported		
Global Id:	T0000900200		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	1		
Mtbe Fuel:	0		
Water System Name:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SHELL STATION (Continued) U001600405

Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Ditch Assigned Name:	Not reported		

LUST Region 3:

Case Number:	3848	Release Date:	/ /
Cross Street:	Not reported	Enter Date:	Not reported
Responsible Party:	KARLA PETRYNA		
Local Agency:	03	Regional Board:	Central Coast Region
Discovered:	09/01/1985	Stop Date:	Not reported
How Found:	Not reported	How Stopped:	Not reported
Source:	Other		
Cause:	UNK		
Lead Agency:	Regional Board		
Case Type:	Other ground water affected		
Contact:	Not reported	Staff Initials:	TAS
Facility Status:	Remediation Plan		
Facility County:	Santa Cruz		
Review Date:	9/23/02	Funding:	Not reported
Confirm Leak:	/ /	Workplan:	/ /
Prelim Assess:	/ /	Pollution Char:	08/23/2001
Remedial Plan:	08/28/2002	Remedial Action:	/ /
Monitoring:	Not reported	Close Date:	/ /
Enforce Type:	LET		
Enforce Date:	/ /	Pilot Program:	UST
Interim Action:	Not reported	Region:	3
Mtbe Concentration:			
Mtbe Fuel:	1		
Org Name:	Not reported		
Max MTBE Ground Water:	1.0		
Max MTBE Soil:	Not reported		
Max MTBE Date:	10/30/2002		
MTBE Tested:	YES		
Lat/Long:	36.97661 / -121.90763		
Soil Qualifier:	Not reported		
Groundwater Qualifier:	<		
Summary:	Has not incident report filed. SOIL CASE HAS BEEN UNDER LEAD OF COUNTY ENVIRONMENTAL HEALTH. GROUNDWATER IMPACTS DISCOVERED. LEAD CHANGE TO REGIONAL BOARD. OLD CASE NUMBER 2875. REQUEST FOR ENDROWCHMENT 8/20/2002.		

Case Number:	359	Release Date:	09/10/1987
Cross Street:	SEQUEL DR	Enter Date:	9/15/87
Responsible Party:	Not reported		
Local Agency:	03	Regional Board:	Central Coast Region
Discovered:	09/01/1985	Stop Date:	3/17/87
How Found:	Tank Closure	How Stopped:	Not reported
Source:	Other		
Cause:	UNK		
Lead Agency:	Regional Board		
Case Type:	Other ground water affected		
Contact:	Not reported	Staff Initials:	HDC
Facility Status:	Case Closed		
Facility County:	Santa Cruz		
Review Date:	10/18/92	Funding:	Responsible Party
Confirm Leak:	09/10/1987	Workplan:	/ /
Prelim Assess:	/ /	Pollution Char:	08/10/1990

SHELL STATION (Continued)

Facility Id: 08151506
Notification: 6/1/91
Enforce Type: Not reported
Enforce Date: / /
NOAV Action: 0
MTBE Concentration:
Nitrate Conc: 0
Oxy Name: Not reported
Max MTBE Ground Water: 1
Max MTBE Soil: Not reported
Max MTBE Date: 06/01/1991
MTBE Tested: YES
Lat/Long: 36.973217 / -121.8004664
Soil Quantity: Not reported
Groundwater Quantity: <
Summary: CASE CLOSED (SEE CASE NUMBER 32981).

Removal Action: / /
Close Date: 10/15/1992
Map Program: UST
Region: 3

UST HIST:
Facility ID: 16947
Tank Num: 1
Tank Capacity: 5000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Leak Detection: Stock Inventory
Contact Name: Not reported
Total Tanks: 3
Facility Type: 1

Container Num: 1
Year Installed: Not reported
Tank Construction: Not listed
Telephone: (408) 685-1111
Region: STATE
Other Type: Not reported

Facility ID: 16947
Tank Num: 2
Tank Capacity: 5000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Leak Detection: Stock Inventory
Contact Name: Not reported
Total Tanks: 3
Facility Type: 1

Container Num: 2
Year Installed: Not reported
Tank Construction: Unknown
Telephone: (408) 685-1111
Region: STATE
Other Type: Not reported

Facility ID: 16947
Tank Num: 3
Tank Capacity: 7500
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Leak Detection: Stock Inventory
Contact Name: Not reported
Total Tanks: 3
Facility Type: 1

Container Num: 3
Year Installed: Not reported
Tank Construction: Unknown
Telephone: (408) 685-1111
Region: STATE
Other Type: Not reported

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616 NNE 1/4-1/2 3207 ft. Higher — SHELL, 18 RANCHO DEL MAR, APTOS, CA 95003 — HAZNET S105033103, Cortese N/A

Site 3 of 3 in cluster B

SHELL (Continued)

HAZNET:
Gepid: CAD981403851
Taxid: 2A2506466392
Gen County: Santa Cruz
Tsd County: 1
Tons: 0.5000
Category: Empty containers less than 30 gallons
Disposal Method: Recycler
Contact: EQUILON ENTERPR SRR LLC
Telephone: (713) 241-3948
Mailing Address: PO BOX 4453
HOUSTON, TX 77210 - 4453
County: Santa Cruz

CORTESE
Reg Id: 2075
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

Reg Id: 35a
Region: CORTESE
Reg By: Leaking Underground Storage Tanks

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616 NNE 1/4-1/2 3207 ft. Higher — SHELL BRANDED SERVICE STATION, 18 RANCHO DEL MAR, APTOS, CA 95003 — LUST S105591845, N/A

Site 3 of 3 in cluster B

State LUST:
Cross Street: SOQUEL DR
City Listed: Not reported
Case Number: 2075
Reg Board: Central Coast Region
Chemical: Unleaded Gasoline
Lead Agency: Local Agency
Local Agency: 44036
Date Type: Undefined
Status: Case Closed
County: Santa Cruz
Abate Method: No Action Required (e.g. insignificant minor, regularly recurring release, action
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Close Date: 8/23/2001
Release Date: 8/5/1996
Cleanup Fund Id: Not reported
Discovery Date: 1/1/1996
Enforcement Dt: Not reported
Enf Type: Not reported
Completed Date: 8/5/1998
Funding: C
Staff Initials: UST
How Discovered: Old
How Stopped: Not reported
Interim: No
Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported
Monitoring: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SHELL BRANDED SERVICE STATION (Continued) B103291849

Leak Cause	UNK
Leak Source	UNK
MTBE Date	10/12/2001
Max MTBE GW	1.8 Parts per Billion
MTBE Tested	MTBE Detected. Sub tested for MTBE & MTBE detected
Priority	Not reported
Local Case #	Not reported
Beneficial	Not reported
Staff	TAS
GW Contact	-
Max MTBE Sp	Not reported
Soil Contact	Not reported
Hydr Basin #	4.13
Operator	Not reported
Oversight Prgm	RB Lead Underground Storage Tank
Oversight Prgm	UST
Review Date	1/7/2002
Stop Date	7/10/1998
Work Suspended	Not reported
Response Na Party	LD PATION
RF Address	PO BOX 7869
Global Id	T0806700150
Org Name	Not reported
Contact Person	Not reported
MTBE Conc	0
MTBE Fuel	1
Water System Name	Not reported
Well Name	Not reported
Distance To Lead	0
Waste Discharge Global ID	Not reported
Waste Discharge Assigned Name	Not reported

LUST Region 3

Case Number	2075	Release Date	06/06/1998
Cross Street	SOOLEL DR	Enter Date	9/9/98
Responsible Party	EPA ID		
Local Agency	03	Regional Board	Central Coast Region
Discovered	07/07/1997	Stop Date	7/13/98
How Found	Not reported	How Stopped	Not reported
Source	Other		
Cause	UNK		
Lead Agency	Local Agency		
Case Type	Undefined		
Contact	Not reported	Staff Initials	TAS
Facility Status	Case Closed		
Facility County	Santa Cruz		
Review Date	1/7/02	Funding	0
Confirm Leak	/ /	Workplan	01/01/1975
Prelim Assess	/ /	Pollution Chart	/ /
Remedial Plan	/ /	Remedial Action	/ /
Monitoring	Not reported	Close Date	06/25/2001
Enforce Type	Not reported		
Enforce Date	/ /	Prior Program	LUST
Interim Action	0	Regular	3
MTBE Concentration			
MTBE Fuel	1		
Org Name	Not reported		
Max MTBE Ground Water	1.8		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SHELL BRANDED SERVICE STATION (Continued) B103291849

Max MTBE Soil	Not reported
Max MTBE Date	10/12/2001
MTBE Tested	YES
Lat/Long	36.9792170 / -121.9624194
Soil Contact	Not reported
Groundwater Qualifier	-
Summary	DETECTABLE LEVELS OF TPFH AND MTBE DETECTED BENEATH PRODUCT DISPENSERS IN SOIL AND GROUNDWATER. CASE CLOSED. LEAK CHANGED TO RE CASE NUMBER 3346.

48
SE
1/2-1
2715 ft.
Lower

306 BEACH DRIVE
APTOS, CA 9

CHMIRS B10907733
N/A

Original:

DES Control Number	01-0435	DOT ID	Not reported
DOT Hazard Class	Not Reported		
Chemical Name	carbon monoxide		
Extent of Release	Not reported		
CAS Number	Not reported	Quantity Released	unk
Environmental Contamination	None Reported	Property Use	Not reported
Incident Date	Not reported	Date Completed	9/21/01

Time Completed	Not reported
Physical State Stored	Not reported
Physical State Released	Not reported
Release Unit	Not reported
Container Description	Not reported
Container Type	Not reported
Container Material	Not reported
Level Of Container	Not reported
Container Capacity	Not reported
Container Capacity Units (code)	Not reported
Extent Of Release (code)	Not reported
Agency ID Number	Not reported
Agency Incident Number	Not reported
DES Incident Number	01-0435
Time Notified	Not reported
Surrounding Area	Not reported
Estimated Temperature	Not reported
Property Management	Not reported
More Than Two Substances Involved?	Not reported
Special Studies 1	Not reported
Special Studies 2	Not reported
Special Studies 3	Not reported
Special Studies 4	Not reported
Special Studies 5	Not reported
Special Studies 6	Not reported
Responding Agency Personnel # Of Injuries	1
Responding Agency Personnel # Of Fatalities	1
Resp Agency Personnel # Of Decontaminated	Not reported
Others Number Of Decontaminated	Not reported
Others Number Of Injuries	Not reported
Others Number Of Fatalities	Not reported
Vehicle Makeyear	Not reported
Vehicle License Number	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) | EDR ID Number / EPA ID Number

(Continued) | 5108627525

Vehicle State		Not reported
Vehicle Id Number		Not reported
CA/DOT/PL/CACC Number		Not reported
Company Name		Not reported
Reporting Offices Name/ID		Not reported
Report Date		Not reported
Comments		Not reported
Facility Telephone Number		Not reported
Waterway Involved		No
Waterway	Not reported	
Spill Site		Residence
Cleanup By	N/A	
Containment		Yes
What Happened		Per the NRC report, the air in a tightly sealed room was sucked up by a gas appliance causing a 6 mo. fan in the chimney which released carbon monoxide in the tightly sealed room
Date/Time		1/21/01 1411
Evacuations		0
Type	VAPOR	
Other	Not reported	
Chemical 1		Not Reported
Chemical 2		Not Reported
Chemical 3		Not Reported

W
NNE
1/2-1
4444 ft.
Higher

BAFEWAY
15 RANCHO DEL MAR
APTOS, CA 95003

RCRIS-SQG 1000857847
FINDS CAD983670902
HAZNET
CMIRS

RCRIS:
Owner: SAFEWAY (510) 448-2011
EPA ID: CAD983670902
Contact: FRANK CIMMELLO (408) 688-3779
Classification: Small Quantity Generator
Used Oil Recycle: No
1 2DF Activities: Not reported
Violation Status: No violations found

FINDS
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information System (RCRA NFD)

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) | EDR ID Number / EPA ID Number

SAFEWAY (Continued) | 1000857847

HAZNET
Gepaid: CAD983670902
Tepaid: CAD070148432
Gen County: Santa Cruz
Tsd County: 1
Tons: 1.0000
Category: Photochemicals/photoprocessing waste
Disposal Method: Treatment, Incineration
Contact: SAFEWAY INC
Telephone: (510) 467-3845
Mailing Address: 5918 STONERIDGE MALL RD PLEASANTON, CA 94588 - 3229
County: Santa Cruz

Gepaid: CAD983670902
Tepaid: CAD070148432
Gen County: Santa Cruz
Tsd County: 1
Tons: .3062
Category:
Disposal Method: Treatment, Incineration
Contact: SAFEWAY INC
Telephone: (510) 467-3845
Mailing Address: 5918 STONERIDGE MALL RD PLEASANTON, CA 94588 - 3229
County: Santa Cruz

Gepaid: CAD983670902
Tepaid: CAD070148432
Gen County: Santa Cruz
Tsd County: 1
Tons: 2.5780
Category: Photochemicals/photoprocessing waste
Disposal Method: Treatment, Incineration
Contact: SAFEWAY INC
Telephone: (510) 467-3845
Mailing Address: 5918 STONERIDGE MALL RD PLEASANTON, CA 94588 - 3229
County: Santa Cruz

Gepaid: CAD983670902
Tepaid: CAD070148432
Gen County: Santa Cruz
Tsd County: 1
Tons: .5004
Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Contact: SAFEWAY INC
Telephone: (510) 467-3845
Mailing Address: 5918 STONERIDGE MALL RD PLEASANTON, CA 94588 - 3229
County: Santa Cruz

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

SAFEWAY (Continued) 1000057647

Cleanup: CA3000070902
Tank#: CA0000081317
Gen County: Santa Cruz
Tank County: Sacramento
Tank: 2 6773
Category: Motor vehicle/aircraft/watercraft/rolling stock
Disposal Method: Transfer Station
Co Name: SAFEWAY INC
Telephone: (510) 407-3845
Mailing Address: 5918 STONER DGE MAIL RD
PLEASANTON, CA 94588 - 3229
County: Santa Cruz

The CA HAZNET database contains additional records for this site.
Please contact your EDR Account Executive for more information.

CHMIRS:
OES Control Number: 00-1150 DOT ID: Not reported
DOT Hazard Class: Not Reported
Common Name: Sheetrock/wall
Extent Of Release: Not reported
CAS Number: Not reported Quantity Released: 5
Environmental Contamination: None Reported Property Use: Not reported
Incident Date: Not reported Date Completed: 081500
Time Completed: Not reported
Physical State Stored: Not reported
Physical State Released: Not reported
Release Unit: Not reported
Container Description: Not reported
Container Type: Not reported
Container Material: Not reported
Level Of Container: Not reported
Container Capacity: Not reported
Container Capacity Units (code): Not reported
Extent Of Release (code): Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
OES Incident Number: 00-1150
Time Reported: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
Responding Agency Personnel # Of Injuries: 0
Responding Agency Personnel # Of Fatalities: 0
Resp Agency Personnel # Of Decontaminated: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/Model: Not reported
Vehicle License Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

SAFEWAY (Continued) 1000057647

Vehicle Size: Not reported
Vehicle ID Number: Not reported
CHP/CTP/PUC/ID Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Reality Telephone Number: Not reported
Waterway Impacted: Yes
Waterway: Santa Cruz
Spill Site: Mainline/Business
Cleanup By: Contractor
Containment: Yes
What Happened: I blew tire knocked over by a delivery truck.
Date/Time: 3/10/00 730
Evacuations: 0
Type: UNSPECIFIED
Other: Animal
Chemical 1: Not Reported
Chemical 2: Not Reported
Chemical 3: Not Reported

26
NE
1/2-1
4457 ft.
Higher

800 CATHEDRAL DRIVE
APTOS, CA 95

CHMIRS: 3100562850
MFA

CHMIRS:
OES Control Number: 97-0021 DOT ID: Not reported
DOT Hazard Class: Not Reported
Chemical Name: Including all 50 ppm PCB's
Extent Of Release: Not reported
CAS Number: Not reported Quantity Released: 15
Environmental Contamination: None Reported Property Use: Not reported
Incident Date: Not reported Date Completed: 112/97
Time Completed: Not reported
Physical State Stored: Not reported
Physical State Released: Not reported
Release Unit: Not reported
Container Description: Not reported
Container Type: Not reported
Container Material: Not reported
Level Of Container: Not reported
Container Capacity: Not reported
Container Capacity Units (code): Not reported
Extent Of Release (code): Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
OES Incident Number: 97-0021
Time Reported: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)

FDR ID Number
EPA ID Number

[Continued]

Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personnel # Of Injuries :	0
Responding Agency Personnel # Of Fatalities :	0
Resp Agency Personnel # Of Decontaminated :	Not reported
Others Number Of Decontaminated	Not reported
Others Number Of Injuries	Not reported
Others Number Of Fatalities	Not reported
Vehicle Manufacturer :	Not reported
Vehicle License Number	Not reported
Vehicle State	Not reported
Vehicle Identification :	Not reported
CAMPO Y/PUCHCO Number	Not reported
Company Name	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	Not reported
Waterway :	Yes
Spill Site	
Cleanup By :	Road
Containment :	Not reported
What Happened	No Truck fell over spilling a pole top transformer fell from pole top. Transformer went into a storm drain. Assuming maximum PCB's will be released are contained. Transformer removed, no further cleanup feasible at this time.
Date / Time :	1/2/97 400
Environment :	
Type	
Other	PETROLEUM
Chemical 1	Not reported
Chemical 2	Not Reported
Chemical 3	Not Reported
	Not Reported

HIGHWAY DISCHARGE

Zip	FDR ID	Site Name	Site Address	Zip	Distance (ft)
APTOS	[illegible]	EPA BENCH - STATE BEACH	[illegible]	95003	[illegible]
APTOS	[illegible]	P G & E	HWY 1 & STATE PARK DR	95003	[illegible]
APTOS	[illegible]	POTRERO BEACH 12 [illegible]	HWY 1 AT PRESCHOOL - NEXT TO SCARE [illegible]	95003	[illegible]
APTOS	[illegible]	POTRERO BEACH CLUB	APTOS	95003	[illegible]
APTOS	[illegible]	208 BENCH [illegible]	APTOS	95003	[illegible]
APTOS	[illegible]	MATERIAL 0.5 TO 1.0 MILE OFFSHORE	300 BEACH DR		
APTOS	[illegible]	HWY 1 BETWEEN PARK AVE & STATE PARK DR	MATERIAL 0.5 TO 1.0 MILE OFFSHORE		
APTOS	[illegible]	[illegible]	HWY 1 BETWEEN PARK AVE & STATE PARK DR	95003	[illegible]
RIO DEL MAR	[illegible]	[illegible]	2 E 7 ST	95003	11851, Defense
SEASIDE	[illegible]	[illegible]	INTERSTATE NOT HWY 1 - [illegible]	95003	Cal State

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that the EDR record meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund): The NPL is a subset of CERCLIS and lists over 1,300 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/26/03
Date Made Active at EDR: 02/04/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 02/04/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 02/04/03

NPL Site Boundaries
Sources:
EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333
EPA Region 1
Telephone: 617-918-1143
EPA Region 5
Telephone: 312-886-6686
EPA Region 6
Telephone: 214-655-6659
EPA Region 7
Telephone: 913-551-7365
EPA Region 8
Telephone: 303-312-6774
EPA Region 9
Telephone: 415-972-3089
EPA Region 10
Telephone: 206-553-2120

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A
Date of Government Version: 01/29/03
Date Made Active at EDR: 02/04/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 02/04/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 02/04/03

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0231
CERCLIS contains data on potential hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/18/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 05/24/03

CERCLIS-NFRAP: CERCLIS Sites - Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0231
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed, or only without the need for the sites to be placed on the NPL, or the contamination was deemed non-threatening enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to let the remaining sites in the site inventory of those properties and have archived them in a National records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to make informed decisions about how to move the under sites.

Date of Government Version: 03/18/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 05/24/03

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 01/15/03
Date Made Active at EDR: 03/04/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 03/04/03
Elapsed ASTM days: 42
Date of Last EDR Contact: 03/04/03

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selected information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 03/03/03
Date Made Active at EDR: 03/28/03
Database Release Frequency: Weekly
Date of Data Arrival at EDR: 03/28/03
Elapsed ASTM days: 34
Date of Last EDR Contact: 05/27/03

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/01
Date Made Active at EDR: 07/15/02
Database Release Frequency: Annually
Date of Data Arrival at EDR: 07/02/02
Elapsed ASTM days: 13
Date of Last EDR Contact: 04/27/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/01
Database Release Frequency: Biennially
Date of Last EDR Contact: 03/13/03
Date of Next Scheduled EDR Contact: 06/16/03

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and monetary for cleanup at NPL (Superfund) sites. Released periodically by United States District Court after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies
Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Records of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing wastes that pose a threat to human health or the environment.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/07/03
Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/03
Date of Next Scheduled EDR Contact: 04/07/03

DELISTED NPL: National Priorities List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/02/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/04/03
Date of Next Scheduled EDR Contact: 05/05/03

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System - FINDS contains both basic facility information and pointers to other sources that contain more detail. FDR includes the following 7 NPDES databases in this report: PCS (Permit Compliance System), AFS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System)

Date of Government Version: 08/14/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/10/03
Date of Next Scheduled EDR Contact: 04/07/03

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous materials spill incidents reported to DOT.

Date of Government Version: 1/03/03
Database Release Frequency: Annually

Date of Last EDR Contact: 01/23/03
Date of Next Scheduled EDR Contact: 04/21/03

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/10/03
Date of Next Scheduled EDR Contact: 04/07/03

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 08/10/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/31/03
Date of Next Scheduled EDR Contact: 01/30/04

NPL Liens: Federal Superfund Liens
Source: EPA
Telephone: 205-551-4287
Federal Superfund liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover unreimbursed response expenditures or when the property owner receives notification of potential liability. USEPA compiles a yearly list of federal liens of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/20/03
Date of Next Scheduled EDR Contact: 05/26/03

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/12/02
Database Release Frequency: Annually

Date of Last EDR Contact: 03/10/03
Date of Next Scheduled EDR Contact: 06/12/03

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administrative Action Tracking System. RAATS contains records based on information added monthly pertaining to RCRA administrative actions and includes administrative compliance orders and civil actions brought by the EPA. For administrative actions after September 30, 1986, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to discontinue RAATS because it diverted Agency resources from mandated tasks and it became impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/10/03
Date of Next Scheduled EDR Contact: 01/09/04

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals into the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 02/25/03
Date of Next Scheduled EDR Contact: 06/23/03

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemicals subject to the reporting requirements of the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 03/17/03
Date of Next Scheduled EDR Contact: 06/16/03

FTTS INSP: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 01/23/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/24/03
Date of Next Scheduled EDR Contact: 05/12/03

FTTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (95 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. EPA establishes the format and content of the report that includes amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 01/27/03
Date of Next Scheduled EDR Contact: 04/21/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and supports enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right to Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/26/03 — Date of Last EDR Contact: 03/24/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 06/23/03

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites
Source: California Environmental Protection Agency
Telephone: 818-383-3405
Annual Workplan Sites: Cal-sites DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for clean up.

Date of Government Version: 03/06/03 — Date of Data Arrival at EDR: 03/06/03
Date Made Active at EDR: 04/09/03 — Elapsed ASTM days: 22
Database Release Frequency: Annually — Date of Last EDR Contact: 01/06/03

CAL-SITES: Calsites Database
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
The Calsites database contains potential or confirmed hazardous substance release properties in ISBM, California. EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 03/04/03 — Date of Data Arrival at EDR: 03/11/03
Date Made Active at EDR: 03/21/03 — Elapsed ASTM days: 10
Database Release Frequency: Quarterly — Date of Last EDR Contact: 03/11/03

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Report System. CHMIRS contains information on reported hazardous material incidents (accidents) (release or spills).

Date of Government Version: 12/31/01 — Date of Data Arrival at EDR: 12/05/02
Date Made Active at EDR: 01/14/03 — Elapsed ASTM days: 41
Database Release Frequency: Varies — Date of Last EDR Contact: 02/24/03

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL-EPA/Office of Emergency Information
Telephone: 916-323-3400
This site list is designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LF), and the Department of Toxic Substances Control (Cal Sites).

Date of Government Version: 04/01/01 — Date of Data Arrival at EDR: 05/29/01
Date Made Active at EDR: 07/26/01 — Elapsed ASTM days: 58
Database Release Frequency: No Update Planned — Date of Last EDR Contact: 02/18/03

NOTIFY 65: Proposition 65 Records
Source: State Water Resources Control Board
Telephone: 916-445-9448
Proposition 65 Notification Records. NOTIFY 65 contains facility notification of accidents or releases which could impact drinking water and thereby expose the public to a potential health risk.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/03 — Date of Data Arrival at EDR: 10/21/03
Date Made Active at EDR: 11/17/03 — Elapsed ASTM days: 18
Database Release Frequency: No Longer Planned — Date of Last EDR Contact: 01/20/03

TOXIC PITS: Toxic Pits Cleanup Act Sites
Source: State Water Resources Control Board
Telephone: 916-227-4364
Toxic Pits Cleanup Act Sites. TOXIC PITS contains sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/93 — Date of Data Arrival at EDR: 03/03/03
Date Made Active at EDR: 03/28/03 — Elapsed ASTM days: 25
Database Release Frequency: No Update Planned — Date of Last EDR Contact: 02/03/03

SWF/LF (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-341-6320
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or locations. There may be several inactive facilities or sites within the listed ZIP Code. Refer to each RCRA Section 4004 criteria for solid waste disposal facilities or disposal sites.

Date of Government Version: 05/14/03 — Date of Data Arrival at EDR: 05/17/03
Date Made Active at EDR: 06/06/03 — Elapsed ASTM days: 19
Database Release Frequency: Quarterly — Date of Last EDR Contact: 03/17/03

WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/03 — Date of Data Arrival at EDR: 04/11/03
Date Made Active at EDR: 05/10/03 — Elapsed ASTM days: 30
Database Release Frequency: Quarterly — Date of Last EDR Contact: 03/17/03

LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-341-5810
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/06/03 — Date of Data Arrival at EDR: 01/08/03
Date Made Active at EDR: 02/04/03 — Elapsed ASTM days: 27
Database Release Frequency: Quarterly — Date of Last EDR Contact: 01/06/03

CA BOND EXP. PLAN: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
Description of Health Services developed a site specific expenditure plan as the state form of expenditure of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/80 — Date of Data Arrival at EDR: 07/27/94
Date Made Active at EDR: 08/02/94 — Elapsed ASTM days: 5
Database Release Frequency: No Update Planned — Date of Last EDR Contact: 06/21/94

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA UST

UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5700
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/06/03
Date Made Active at EDR: 01/28/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/05/03
Elapsed ASTM days: 23
Date of Last EDR Contact: 01/06/03

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the proposed projects have requested that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 02/06/03
Date Made Active at EDR: 04/04/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/06/03
Elapsed ASTM days: 30
Date of Last EDR Contact: 03/06/03

INDIAN LUST: Independent Scrap Tank on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: N/A
Date Made Active at EDR: N/A
Database Release Frequency: Varies

Date of Data Arrival at EDR: N/A
Elapsed ASTM days: 0
Date of Last EDR Contact: N/A

CA FID UST: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-445-6532
The Facility Inventory Database (FID) contains a statewide listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county sources for current data.

Date of Government Version: 10/31/94
Date Made Active at EDR: 05/30/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/95

HIST UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-341-5700
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county sources for current data.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/01/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 11/20/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5783
Registered Aboveground Storage Tanks.

Date of Government Version: 03/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/13/03
Date of Next Scheduled EDR Contact: 06/09/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DELANERR: Cleaner Facilities
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
A list of dry cleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes (power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and drycleaning; diapers; clothing alteration; carpet and upholstery cleaning; industrial launderers; laundry and dry cleaning services.

Date of Government Version: 03/14/03
Database Release Frequency: Annually

Date of Last EDR Contact: 01/13/03
Date of Next Scheduled EDR Contact: 04/07/03

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-657-1571
Sites which have been issued waste discharge requirements.

Date of Government Version: 03/21/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/24/03
Date of Next Scheduled EDR Contact: 06/23/03

DEED: List of Deed Restrictions
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
The use of restrictive land covenants is one of the methods by DTSC to ensure protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 01/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/06/03
Date of Next Scheduled EDR Contact: 04/07/03

NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 02/04/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/11/03
Date of Next Scheduled EDR Contact: 06/02/03

RAP: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined not requiring direct DTSC Site Mitigation Program action or oversight. Around-night, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 03/14/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/03
Date of Next Scheduled EDR Contact: 06/09/03

SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the Cortese category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 03/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/11/03
Date of Next Scheduled EDR Contact: 06/09/03

HWF: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/28/03 — Date of Last EDR Contact: 03/11/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 06/02/03

HAZNET: Hazardous Waste Information System
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Facility and Manifest Data. This data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements, such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/01/02 — Date of Last EDR Contact: 02/10/03
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 05/12/03

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UST Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 12/02/02 — Date of Last EDR Contact: 01/27/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 04/28/03

Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 11/26/02 — Date of Last EDR Contact: 01/27/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 04/28/03

CONTRA COSTA COUNTY:

Site List
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
List includes sites from the underground tank, hazardous waste generator and business plant/ lith programs.

Date of Government Version: 06/05/02 — Date of Last EDR Contact: 03/03/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 06/02/03

FRESNO COUNTY:

CUPA Resources List
Source: Dept of Community Health
Telephone: 559-445-3271
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/20/03 — Date of Last EDR Contact: 01/24/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 05/12/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Source: Kern County Environmental Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 02/25/03 — Date of Last EDR Contact: 03/10/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 06/09/03

LOS ANGELES COUNTY:

List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 918-458-5185

Date of Government Version: 03/01/03 — Date of Last EDR Contact: 07/20/03
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 05/19/03

City of El Segundo Underground Storage Tank
Source: City of El Segundo Fire Department
Telephone: 310-607-2235

Date of Government Version: 03/01/03 — Date of Last EDR Contact: 02/18/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 05/19/03

City of Long Beach Underground Storage Tank
Source: City of Long Beach Fire Department
Telephone: 562-570-2642

Date of Government Version: 06/30/02 — Date of Last EDR Contact: 02/24/03
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 05/26/03

City of Torrance Underground Storage Tank
Source: City of Torrance Fire Department
Telephone: 310-618-2872

Date of Government Version: 02/25/03 — Date of Last EDR Contact: 02/18/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 05/19/03

City of Los Angeles Landfills
Source: Engineering & Construction Division
Telephone: 213-473-7309

Date of Government Version: 03/01/02 — Date of Last EDR Contact: 03/17/03
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 06/16/03

IMS: Select Hazardous List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites

Date of Government Version: 11/27/02 — Date of Last EDR Contact: 02/18/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 05/19/03

Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/03
Database Release Frequency: Annually

Date of Last EDR Contact: 02/18/03
Date of Next Scheduled EDR Contact: 05/18/03

San Gabriel Valley Areas of Concern
Source: EPA Region 9
Telephone: 415-972-3178
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/28/03
Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-3847
Currently permitted USTs in Marin County

Date of Government Version: 02/04/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/03/03
Date of Next Scheduled EDR Contact: 05/03/03

NAPA COUNTY:

Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 03/31/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/31/03
Date of Next Scheduled EDR Contact: 06/30/03

Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 03/31/03
Database Release Frequency: Annually

Date of Last EDR Contact: 03/31/03
Date of Next Scheduled EDR Contact: 06/30/03

ORANGE COUNTY:

List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/11/03
Date of Next Scheduled EDR Contact: 05/05/03

List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/21/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/14/03
Date of Next Scheduled EDR Contact: 06/09/03

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3440
Petroleum and non-petroleum spills.

Date of Government Version: 10/24/00
Database Release Frequency: Annually

Date of Last EDR Contact: 03/14/03
Date of Next Scheduled EDR Contact: 06/09/03

PLACER COUNTY:

Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites

Date of Government Version: 02/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/26/03
Date of Next Scheduled EDR Contact: 06/23/03

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST)

Date of Government Version: 02/24/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/20/03
Date of Next Scheduled EDR Contact: 04/21/03

Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 02/24/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/20/03
Date of Next Scheduled EDR Contact: 04/21/03

SACRAMENTO COUNTY:

CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8400

Date of Government Version: 10/25/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/03/03
Date of Next Scheduled EDR Contact: 05/05/03

ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8400
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks waste generators

Date of Government Version: 10/5/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/03/03
Date of Next Scheduled EDR Contact: 05/05/03

SAN BERNARDINO COUNTY:

Hazardous Material Permits
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 800-367-3041
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials, hand ors, hazardous waste generators, and waste oil generators/handlers

Date of Government Version: 01/10/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/10/03
Date of Next Scheduled EDR Contact: 06/09/03

SAN DIEGO COUNTY:

Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities

Date of Government Version: 08/01/00
Database Release Frequency: Varies
Date of Last EDR Contact: 02/24/03
Date of Next Scheduled EDR Contact: 05/26/03

Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
The database includes: HE58 - the report contains the business name, site address, business phone number, establishment [illegible] and the business status. HE17 - in addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the haulers, and information on underground storage tanks. Unauthorized Release List - includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included).

Date of Government Version: 03/31/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/28/03
Date of Next Scheduled EDR Contact: 04/07/03

SAN FRANCISCO COUNTY

Local Overshore Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 03/17/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/10/03
Date of Next Scheduled EDR Contact: 06/09/03

Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 03/17/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/10/03
Date of Next Scheduled EDR Contact: 06/09/03

SAN MATEO COUNTY:

Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 03/13/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/10/03
Date of Next Scheduled EDR Contact: 04/28/03

Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 05/01/02
Database Release Frequency: Annually
Date of Last EDR Contact: 03/13/03
Date of Next Scheduled EDR Contact: 04/14/03

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 01/08/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/31/03
Date of Next Scheduled EDR Contact: 06/30/03

Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 01/08/02
Database Release Frequency: Annually
Date of Last EDR Contact: 03/10/03
Date of Next Scheduled EDR Contact: 06/09/03

SOLANO COUNTY:

Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 12/20/02
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/17/03
Date of Next Scheduled EDR Contact: 06/16/03

Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 12/16/02
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/17/03
Date of Next Scheduled EDR Contact: 06/16/03

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-666-8585

Date of Government Version: 01/01/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/27/03
Date of Next Scheduled EDR Contact: 04/28/03

SUTTER COUNTY:

Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 07/01/01
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 01/30/03
Date of Next Scheduled EDR Contact: 04/07/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VENTURA COUNTY

Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Illegal Abandoned and Inactive Sites.

Date of Government Version: 06/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 09/25/03
Date of Next Scheduled EDR Contact: 06/08/03

Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/10/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/13/03
Date of Next Scheduled EDR Contact: 04/14/03

Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST) Underground Tank Closed Sites List.

Date of Government Version: 12/21/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/03
Date of Next Scheduled EDR Contact: 06/16/03

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list includes by the address whether the Environmental Health Division has Business Plan (BP), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/03
Date of Next Scheduled EDR Contact: 06/16/03

YOLO COUNTY

Underground Storage Tank Comprehensive Facility Report
Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 03/25/02
Database Release Frequency: Annually

Date of Last EDR Contact: 09/09/03
Date of Next Scheduled EDR Contact: 04/23/03

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity, Counties. For more current information, please refer to the State Water Resources Control Board's LUST database

Date of Government Version: 08/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/24/03
Date of Next Scheduled EDR Contact: 05/26/03

LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/02
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/13/03
Date of Next Scheduled EDR Contact: 04/14/03

LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 02/18/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/13/03
Date of Next Scheduled EDR Contact: 06/16/03

LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 05/05/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/31/03
Date of Next Scheduled EDR Contact: 06/30/03

LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3125

Date of Government Version: 01/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 3/17/03
Date of Next Scheduled EDR Contact: 06/27/03

LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database

Date of Government Version: 01/01/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/03/03
Date of Next Scheduled EDR Contact: 06/02/03

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 01/28/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/08/03
Date of Next Scheduled EDR Contact: 04/07/03

LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 07/02/02
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/31/03
Date of Next Scheduled EDR Contact: 06/30/03

LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database

Date of Government Version: 03/14/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/10/03
Date of Next Scheduled EDR Contact: 06/09/03

LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
San Diego, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database

Date of Government Version: 03/01/01 — Date of Last EDR Contact: 02/03/03
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 04/21/03

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board - North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 06/01/01 — Date of Last EDR Contact: 03/10/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 05/26/03

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 10/01/02 — Date of Last EDR Contact: 01/31/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 04/14/03

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 02/18/03 — Date of Last EDR Contact: 03/14/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 05/12/03

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 03/01/03 — Date of Last EDR Contact: 01/27/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 04/28/03

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3076
Unregulated sites that impact your drinking water or impact the soil not to impact groundwater

Date of Government Version: 01/09/03 — Date of Last EDR Contact: 01/06/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 04/07/03

SLIC REG 6L: SLIC Sites
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 03/07/03 — Date of Last EDR Contact: 03/10/03
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 05/26/03

SLIC REG 8V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 07/16/01 — Date of Last EDR Contact: 03/14/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 06/09/03

SLIC REG 7: SLIC List
Source: California Regional Water Control Board - Colorado River Basin - Region 7
Telephone: 760-346-7491

Date of Government Version: 02/01/03 — Date of Last EDR Contact: 03/28/03
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 05/26/03

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 06/01/02 — Date of Last EDR Contact: 03/10/03
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 06/02/03

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 03/03/03 — Date of Last EDR Contact: 03/03/03
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 06/02/03

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a complete listing of the types of records which may be found at such sites, contact your EDR customer service representative.

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The information contained in this report has predominantly been obtained from publicly available sources obtained by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. We cannot be held liable for the actual existence of hazards at any site. This report does not constitute a legal opinion.

STATE OF CALIFORNIA BROWNFIELDS DATABASED RECORDS

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have requested that DTSC oversee investigation and/or cleanup activities and have agreed to pay DTSC's costs.

Date of Government Version: 03/28/03 — Date of Last EDR Contact: 03/03/03
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 06/02/03

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the inventories of wetlands information data in a specific report cover 75% of all wetlands in the area covered by the report on average. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as 1:24,000-Scale Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including roads, rail, primary gas pipelines.

Sensitive Receptors: There are land use types deemed sensitive receptors due to their age or presence of elderly, specifically in environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR identifies these buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are more the receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK®: PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

VISITOR CTR-SITE #3/SEACLIFF STATE BEACH
SANTA CRUZ AVENUE/BROADWAY
APTOS, CA 95003

TARGET PROPERTY COORDINATES

Latitude (North):	36.973598 - 36° 58' 25.3"
Longitude (West):	121.911100 - 121° 54' 41.0"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	596896.6
UTM Y (Meters):	4092264.2

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or should contamination exist on the target property, what downgradient sites might be impacted.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property:	2456121-H8 SOQUEL, CA
Source: USGS 7.5 min quad index	

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property:	General Scum

Source: General Topographic Gradient has been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SANTA CRUZ, CA	YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property	0603530380D
Additional Panels in assessment	Not Reported

NATIONAL WETLAND INVENTORY

NW. Quad at Target Property	NWI Electronic Data Coverage
SOQUEL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Site-Specific Hydrogeological Data:

Search Radius:	2.0 miles
Status:	Not found

AQUIFLOW®

Search Radius: 2.000 Miles

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
20	1 - 2 Miles East	NW

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site-specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
Systems:	Tertiary
Series:	Pliocene
Code:	Tp (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994)

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

[illegible]

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Component Name: WATSONVILLE

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min.: > 60 inches

Depth to Bedrock Max.: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	loam	Silt-Clay Materials (more than 35 pct passing No. 200), Silty Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt	Max: 7.00 Min: 0.02	Max: 7.39 Min: 5.60
2	18 inches	30 inches	clay	Silt-Clay Materials (more than 35 pct passing No. 200), Clayey Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.08 Min: 0.00	Max: 6.40 Min: 5.60
3	39 inches	63 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct passing No. 200), Clayey Soils	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand	Max: 0.20 Min: 0.08	Max: 7.30 Min: 5.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
clay
gravelly - sandy loam
unweathered bedrock

Surficial Soil Types: sandy loam
clay

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

gravelly - sandy loam
unweathered bedrock

Shallow Soil Types: clay
gravelly - sandy clay loam
silty clay
silt loam
gravelly - coarse sandy loam
loamy sand

Deeper Soil Types: stratified
weathered bedrock
loam
fine sand
sandy loam
very fine sandy loam
unweathered bedrock

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1827-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to set aside and supplement federal and state sources..." Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (in mi.)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS0170825	1/8 - 1/4 Mile NE
2	USGS0170846	1/4 - 1/2 Mile East
3	USGS0170827	1/4 - 1/2 Mile NW
4	USGS0170832	1/4 - 1/2 Mile ENE
5	USGS0170832	1/4 - 1/2 Mile North
13	USGS0170802	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

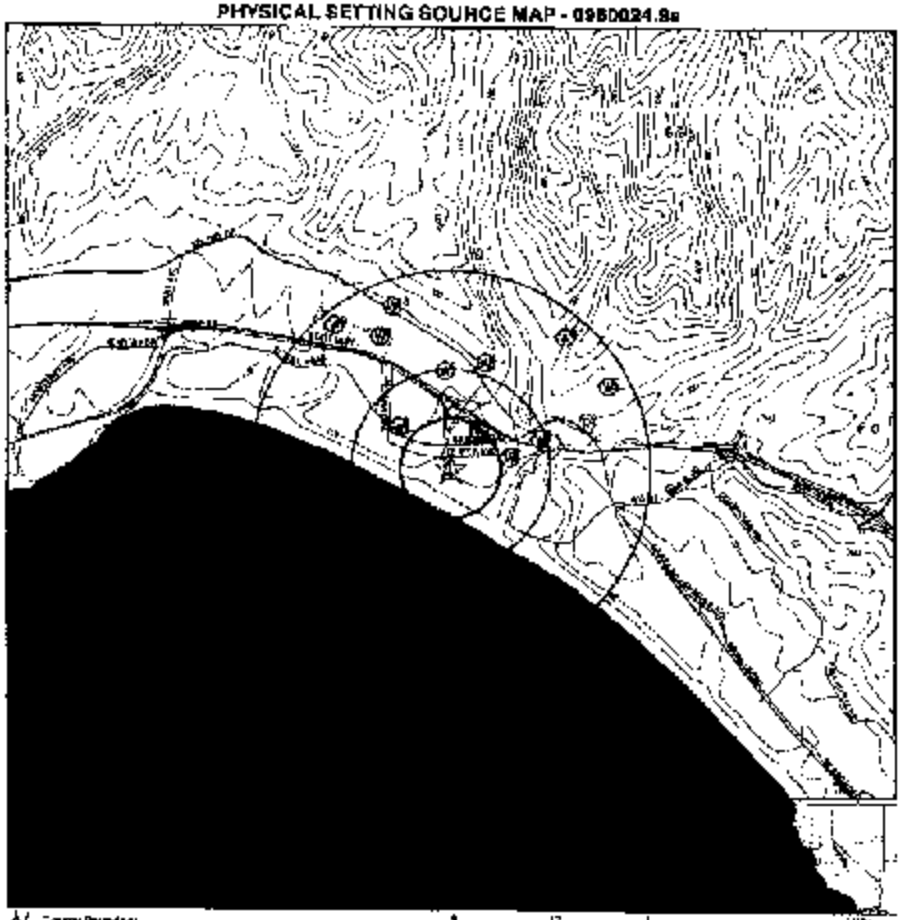
MAP ID	WELL ID	LOCATION FROM TP
7	CA2701625	1/2 - 1 Mile ENE

Note: PWS System location is not always the same as well location

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
8	10509	1/2 - 1 Mile NNE
A8	10551	1/2 - 1 Mile NNW
A9	10552	1/2 - 1 Mile NNW
A10	10551	1/2 - 1 Mile NNW
A11	10545	1/2 - 1 Mile NNW
A12	10549	1/2 - 1 Mile NNW
B14	10510	1/2 - 1 Mile NE
B15	10511	1/2 - 1 Mile NE
C16	19977	1/2 - 1 Mile ENE
C17	19975	1/2 - 1 Mile ENE
D18	10550	1/2 - 1 Mile NW
D19	72552	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 0950024.9s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter Scale Magnitude
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons
Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil gas or related wells

TARGET PROPERTY:	Visitor Ctr-Site #3/Seacliff State Beach	CUSTOMER:	Weber, Hayes & Associates
ADDRESS:	Santa Cruz Avenue/Broadway	CONTACT:	Phil Hobson
CITY/STATE/ZIP:	Aptos CA 95003	INQUIRY #:	0950024.9s
LAT/LONG:	36.9735 / 121.9114	DATE:	April 15, 2005 11:37 am

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GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Datumsn	EDR ID Number
1 NE 1/8 - 1/4 Mile Higher			FED USGS	USGS0176825

Agency:	USGS	Site ID:	385535121642402
Site Name:	011S001E18E003M		
Dec. Latitude:	36.9783A		
Dec. Longitude:	-121.90869		
Coord Sys:	NAD83		
State:	CA		
County:	Santa Cruz County		
Altitude:	Not Reported		
Hydrologic code:	18060001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Invert Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121PRSM		
Aquifer type:	Not Reported	Well depth:	202
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

2 East 1/4 - 1/2 Mile Higher			FED USGS	USGS0176786

Agency:	USGS	Site ID:	385628121541801
Site Name:	011S001E18E001M		
Dec. Latitude:	36.9744		
Dec. Longitude:	-121.90801		
Coord Sys:	NAD83		
State:	CA		
County:	Santa Cruz County		
Altitude:	110.00		
Hydrologic code:	18060001		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	19350101	Invert Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121PRSM		
Aquifer type:	Not Reported	Well depth:	214
Hole depth:	214	Source:	Not Reported
Project no:	Not Reported		

3 NW 1/4 - 1/2 Mile Higher		FED USGS	USGS0176827

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	385535121545401
Site Name:	011S001W13S001M		
Dec. Latitude:	36.97682		
Dec. Longitude:	-121.91607		
Coord Sys:	NAD83		
State:	CA		
County:	Santa Cruz County		
Altitude:	130.00		
Hydrologic code:	18060001		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	19350101	Invert Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121PRSM		
Aquifer type:	Not Reported	Well depth:	390
Hole depth:	390	Source:	Not Reported
Project no:	Not Reported		

4 ENE 1/8 - 1/2 Mile Lower			FED USGS	USGS0176823

Agency:	USGS	Site ID:	385633121540801
Site Name:	011S001E18E001M		
Dec. Latitude:	36.97578		
Dec. Longitude:	-121.90329		
Coord Sys:	NAD83		
State:	CA		
County:	Santa Cruz County		
Altitude:	90.00		
Hydrologic code:	18060001		
Topographic:	Stream channel		
Site Type:	Ground-water other than Spring		
Const Date:	19850810	Invert Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121PRSM		
Aquifer type:	Not Reported	Well depth:	713
Hole depth:	725	Source:	Not Reported
Project no:	Not Reported		

5 North 1/4 - 1/2 Mile Higher			FED USGS	USGS0176834

Agency:	USGS	Site ID:	385651121643901
Site Name:	011S001W13A002M		
Dec. Latitude:	36.98078		
Dec. Longitude:	-121.9119		
Coord Sys:	NAD83		
State:	CA		
County:	Santa Cruz County		
Altitude:	Not Reported		
Hydrologic code:	18060001		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Invert Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported	Well depth:	Not Reported
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation		Database	EDR ID Number
B NNE 1/2 - 1 Mile Higher		CA WELLS	10009

Water System Information.

Prime Station Code:	11S/01E-18C01 M	User ID:	HEN
FRDS Number:	4410017015	County:	Santa Cruz
District Number:	06	Station Type:	WELL AMBIENT MONITORING
Water Type:	Well/Groundwater	Well Status	Active Raw
Source Latitude:	365883.0 1216426.0	Precision	* (.000 Feet) (10 Seconds)
Source Name:	LEDYARD WELL		
System Number:	4410017		
System Name:	Soquel Creek Water District		
Organization That Operates System:	P O BOX 156 SOQUEL, CA 95073		
Pop Served:	36480	Connections:	13893
Area Served:	SOQUEL APTOS		

Sample Information * Only Findings Above Detection Level Are Listed

Sample Collected Chemical:	05/24/1995 SPECIFIC CONDUCTANCE	Findings	600.000 UMHO
Sample Collected Chemical:	05/24/1995 PH (LABORATORY)	Findings	5.150
Sample Collected Chemical:	05/24/1995 BICARBONATE ALKALINITY	Findings	239.000 MGL
Sample Collected Chemical:	05/24/1995 TOTAL HARDNESS (AS CaCO3)	Findings	107.000 MGL
Sample Collected Chemical:	05/24/1995 CALCIUM	Findings	27.000 MGL
Sample Collected Chemical:	05/24/1995 MAGNESIUM	Findings	52.000 MGL
Sample Collected Chemical:	05/24/1995 SODIUM	Findings	67.000 MGL
Sample Collected Chemical:	05/24/1995 POTASSIUM	Findings	4.300 MGL
Sample Collected Chemical:	05/24/1995 CHLORIDE	Findings	50.000 MGL
Sample Collected Chemical:	05/24/1995 IRON	Findings	130.000 UGL
Sample Collected Chemical:	05/24/1995 LEAD	Findings	5.000 UGL
Sample Collected Chemical:	05/24/1995 MANGANESE	Findings	73.000 UGL
Sample Collected Chemical:	05/24/1995 TOTAL DISSOLVED SOLIDS	Findings	378.000 MGL
Sample Collected Chemical:	04/08/1997 COLOR	Findings	2.000 UNITS
Sample Collected Chemical:	04/08/1997 ODOR THRESHOLD @ 60 C	Findings	2.000 TON

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected Chemical:	04/08/1997 SPECIFIC CONDUCTANCE	Findings	600.000 UMHO
Sample Collected Chemical:	04/08/1997 PH (LABORATORY)	Findings	7.950
Sample Collected Chemical:	04/08/1997 BICARBONATE ALKALINITY	Findings	239.000 MGL
Sample Collected Chemical:	04/08/1997 TOTAL HARDNESS (AS CaCO3)	Findings	220.000 MGL
Sample Collected Chemical:	04/08/1997 CALCIUM	Findings	40.000 MGL
Sample Collected Chemical:	04/08/1997 MAGNESIUM	Findings	28.000 MGL
Sample Collected Chemical:	04/08/1997 SODIUM	Findings	86.000 MGL
Sample Collected Chemical:	04/08/1997 POTASSIUM	Findings	4.100 MGL
Sample Collected Chemical:	04/08/1997 CHLORIDE	Findings	97.000 MGL
Sample Collected Chemical:	04/08/1997 IRON	Findings	940.000 UGL
Sample Collected Chemical:	04/08/1997 MANGANESE	Findings	50.000 UGL
Sample Collected Chemical:	04/08/1997 TOTAL DISSOLVED SOLIDS	Findings	394.000 MGL
Sample Collected Chemical:	04/08/1997 TURBIDITY (LAB)	Findings	1.700 NTU
Sample Collected Chemical:	04/08/1997 COLOR	Findings	2.000 UNITS
Sample Collected Chemical:	04/08/1997 SPECIFIC CONDUCTANCE	Findings	610.000 UMHO
Sample Collected Chemical:	04/08/1997 PH (LABORATORY)	Findings	7.05
Sample Collected Chemical:	04/08/1997 TOTAL ALKALINITY (AS CaCO3)	Findings	240.000 MGL
Sample Collected Chemical:	04/08/1997 BICARBONATE ALKALINITY	Findings	240.000 MGL
Sample Collected Chemical:	04/08/1997 TOTAL HARDNESS (AS CaCO3)	Findings	232.000 MGL
Sample Collected Chemical:	04/08/1997 CALCIUM	Findings	29.000 MGL
Sample Collected Chemical:	04/08/1997 MAGNESIUM	Findings	31.000 MGL
Sample Collected Chemical:	04/08/1997 SODIUM	Findings	51.000 MGL
Sample Collected Chemical:	04/08/1997 POTASSIUM	Findings	4.500 MGL
Sample Collected Chemical:	04/08/1997 CHLORIDE	Findings	73.000 MGL
Sample Collected Chemical:	04/08/1997 IRON	Findings	540.000 UGL

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/28/1992 MANGANESE	Findings:	10.000 UG/L
Sample Collected: Chemical:	04/28/1992 CHLOROFORM (THM)	Findings:	0.0 UG/L
Sample Collected: Chemical:	04/04/1987 TOTAL DISSOLVED SOLIDS	Findings:	300.000 MG/L
Sample Collected: Chemical:	04/04/1987 TURBIDITY (LAB)	Findings:	8.000 NTU
Sample Collected: Chemical:	04/28/1986 COLOR	Findings:	3.000 UNITS
Sample Collected: Chemical:	04/28/1986 SPECIFIC CONDUCTANCE	Findings:	400.000 UMHO
Sample Collected: Chemical:	04/28/1986 PH (LABORATORY)	Findings:	7.400
Sample Collected: Chemical:	04/28/1986 TOTAL ALKALINITY (AS CACO3)	Findings:	230.000 MG/L
Sample Collected: Chemical:	04/28/1986 BICARBONATE ALKALINITY	Findings:	230.000 MG/L
Sample Collected: Chemical:	04/28/1986 TOTAL HARDNESS (AS CACO3)	Findings:	107.000 MG/L
Sample Collected: Chemical:	04/28/1986 CALCIUM	Findings:	30.000 MG/L
Sample Collected: Chemical:	04/28/1986 MAGNESIUM	Findings:	15.000 MG/L
Sample Collected: Chemical:	04/28/1986 SODIUM	Findings:	32.000 MG/L
Sample Collected: Chemical:	04/28/1986 POTASSIUM	Findings:	3.500 MG/L
Sample Collected: Chemical:	04/28/1986 CHLORIDE	Findings:	35.000 MG/L
Sample Collected: Chemical:	04/28/1986 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	120 MG/L
Sample Collected: Chemical:	04/28/1986 IRON	Findings:	140.000 UG/L
Sample Collected: Chemical:	04/28/1986 TOTAL DISSOLVED SOLIDS	Findings:	400.000 MG/L
Sample Collected: Chemical:	04/28/1986 TURBIDITY (LAB)	Findings:	.800 NTU
Sample Collected: Chemical:	04/28/1986 BROMODICHLOROMETHANE	Findings:	.800 UG/L
Sample Collected: Chemical:	04/28/1986 TOTAL TRIHALOMETHANES	Findings:	.800 UG/L
Sample Collected: Chemical:	04/16/1986 COLOR	Findings:	2.000 UNITS
Sample Collected: Chemical:	04/16/1986 ODOR THRESHOLD @ 60 C	Findings:	3.000 TON
Sample Collected: Chemical:	04/16/1986 SPECIFIC CONDUCTANCE	Findings:	490.000 UMHO
Sample Collected: Chemical:	04/16/1986 PH (LABORATORY)	Findings:	7.800

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/16/1986 TOTAL ALKALINITY (AS CACO3)	Findings:	230.000 MG/L
Sample Collected: Chemical:	04/16/1986 BICARBONATE ALKALINITY	Findings:	218.000 MG/L
Sample Collected: Chemical:	04/16/1986 CARBONATE ALKALINITY	Findings:	12.000 MG/L
Sample Collected: Chemical:	04/16/1986 TOTAL HARDNESS (AS CACO3)	Findings:	132.000 MG/L
Sample Collected: Chemical:	04/16/1986 CALCIUM	Findings:	28.000 MG/L
Sample Collected: Chemical:	04/16/1986 MAGNESIUM	Findings:	15.000 MG/L
Sample Collected: Chemical:	04/16/1986 SODIUM	Findings:	38.000 MG/L
Sample Collected: Chemical:	04/16/1986 POTASSIUM	Findings:	3.200 MG/L
Sample Collected: Chemical:	04/16/1986 CHLORIDE	Findings:	35.000 MG/L
Sample Collected: Chemical:	04/16/1986 IRON	Findings:	130.000 UG/L
Sample Collected: Chemical:	04/16/1986 MANGANESE	Findings:	40.000 UG/L
Sample Collected: Chemical:	04/16/1986 GROSS ALPHA	Findings:	1.000 PCI/L
Sample Collected: Chemical:	04/16/1986 GROSS ALPHA COUNTING ERROR	Findings:	4.000 PCI/L
Sample Collected: Chemical:	04/16/1986 GROSS BETA COUNTING ERROR	Findings:	4.000 PCI/L
Sample Collected: Chemical:	04/16/1986 TOTAL DISSOLVED SOLIDS	Findings:	390.000 MG/L
Sample Collected: Chemical:	04/16/1986 TURBIDITY (LAB)	Findings:	.800 NTU
Sample Collected: Chemical:	04/28/1992 SPECIFIC CONDUCTANCE	Findings:	480.000 UMHO
Sample Collected: Chemical:	04/28/1992 PH (LABORATORY)	Findings:	7.800
Sample Collected: Chemical:	04/28/1992 TOTAL ALKALINITY (AS CACO3)	Findings:	240.000 MG/L
Sample Collected: Chemical:	04/28/1992 BICARBONATE ALKALINITY	Findings:	240.000 MG/L
Sample Collected: Chemical:	04/28/1992 TOTAL HARDNESS (AS CACO3)	Findings:	180.000 MG/L
Sample Collected: Chemical:	04/28/1992 CALCIUM	Findings:	38.000 MG/L
Sample Collected: Chemical:	04/28/1992 MAGNESIUM	Findings:	19.000 MG/L
Sample Collected: Chemical:	04/28/1992 SODIUM	Findings:	110.000 MG/L
Sample Collected: Chemical:	04/28/1992 POTASSIUM	Findings:	4.500 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical	04/28/1992 CHLORIDE	Findings:	29.000 MG/L
Sample Collected: Chemical	04/28/1992 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.110 MG/L
Sample Collected: Chemical	04/28/1992 GROSS ALPHA COUNTING ERROR	Findings:	2.900 PCI/L
Sample Collected: Chemical	04/28/1992 TOTAL DISSOLVED SOLIDS	Findings:	410.000 MG/L
Sample Collected: Chemical	04/28/1992 TURBIDITY (LAB)	Findings:	.320 NTU
Sample Collected: Chemical	08/23/1994 GROSS ALPHA COUNTING ERROR	Findings:	2.400 PCI/L
Sample Collected: Chemical	08/23/1994 GROSS BETA	Findings:	5.200 PCI/L
Sample Collected: Chemical	08/23/1994 GROSS BETA COUNTING ERROR	Findings:	3.500 PCI/L
Sample Collected: Chemical	11/01/1994 GROSS ALPHA COUNTING ERROR	Findings:	2.200 PCI/L
Sample Collected: Chemical	02/10/1995 GROSS ALPHA COUNTING ERROR	Findings:	3.500 PCI/L
Sample Collected: Chemical	02/10/1995 GROSS BETA	Findings:	4.500 PCI/L
Sample Collected: Chemical	02/10/1995 GROSS BETA COUNTING ERROR	Findings:	4.900 PCI/L
Sample Collected: Chemical	03/28/1995 SPECIFIC CONDUCTANCE	Findings:	630.000 UMHO
Sample Collected: Chemical	03/28/1995 PH (LABORATORY)	Findings:	8.100
Sample Collected: Chemical	03/28/1995 BICARBONATE ALKALINITY	Findings:	220.000 MG/L
Sample Collected: Chemical	03/28/1995 TOTAL HARDNESS (AS CACO3)	Findings:	230.000 MG/L
Sample Collected: Chemical	03/28/1995 CALCIUM	Findings:	23.000 MG/L
Sample Collected: Chemical	03/28/1995 MAGNESIUM	Findings:	39.000 MG/L
Sample Collected: Chemical	03/28/1995 SODIUM	Findings:	58.000 MG/L
Sample Collected: Chemical	03/28/1995 POTASSIUM	Findings:	3.100 MG/L
Sample Collected: Chemical	03/28/1995 CHLORIDE	Findings:	42.000 MG/L
Sample Collected: Chemical	03/28/1995 GROSS ALPHA	Findings:	8.800 PCI/L
Sample Collected: Chemical	03/28/1995 GROSS ALPHA COUNTING ERROR	Findings:	3.900 PCI/L
Sample Collected: Chemical	03/28/1995 TOTAL DISSOLVED SOLIDS	Findings:	270.000 MG/L
Sample Collected: Chemical	03/28/1995 TURBIDITY (LAB)	Findings:	.400 NTU

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

7					
ENE					
1/2 - 1 Mile				FRDS PWS	CA2701679
Higher					

PWS ID:	CA2701679	PWS Status:	Active
Date Initiated:	1/1/05	Date Deactivated:	No Reported
PWS Name:	CAMPHORA STAY ON ASSOCIATES CAMPHORA STAY ON ASSOCIATES HWY 101 & CAMPHORA RD SO. EUAD, CA 93860		
Addressee / Facility:	System Owner/Responsible Party CAMPHORA STAY ON ASSOCIATES 118 VIA LANTANA APTOS, CA 95003		
Facility Latitude:	35 55 37	Facility Longitude:	121 53 53
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	0 000000
PWS currently has or had major violation(s) or enforcement:		No	

8			
NNW			
1/2 - 1 Mile		CA WELLS	14582
Higher			

Water System Information

Prime Station Code:	11S/01W-13A01 M	User ID:	HEN
FRDS Number:	441001703	County:	Santa Cruz
District Number:	05	Station Type:	WELL/AMBIENT/MULTIPLE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	365800.0 1215500.0	Precision:	Undefined
Source Name:	STATE PARK DRIVE WEST - ABANDONED		
System Number:	441001		
System Name:	Soquel Creek Water District		
Organization That Operates System:	P O BOX 158 SOQUEL, CA 95073		
Pop Served:	38450	Connections:	14020
Area Served:	SOQUEL APTOS		

9			
NNW			
1/2 - 1 Mile		CA WELLS	14583
Higher			

Water System Information

Prime Station Code:	11S/01W-13G01 M	User ID:	HEN
FRDS Number:	441001706	County:	Santa Cruz
District Number:	05	Station Type:	WELL/AMBIENT/MULTIPLE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	365800.0 1215500.0	Precision:	Undefined
Source Name:	HILLCREST WELL - ABANDONED		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4410017
System Name: Soquel Creek Water District
Organization That Operates System:
P O BOX 156
SOQUEL, CA 95073
Pop Served: 38460
Area Served: SOQUEL APTOS
Connections: 12820

Sample Information: * Only Findings Above Detection Level Are Listed

Sample Collected: Chemical:	07/26/1984 COLOR	Findings:	1.000 UNITS
Sample Collected: Chemical:	07/26/1984 ODOR THRESHOLD @ 60 C	Findings:	3.000 TON
Sample Collected: Chemical:	07/26/1984 SPECIFIC CONDUCTANCE	Findings:	618.000 UMHO
Sample Collected: Chemical:	07/26/1984 PH (LABORATORY)	Findings:	7.000
Sample Collected: Chemical:	07/26/1984 BICARBONATE ALKALINITY	Findings:	271.000 MG/L
Sample Collected: Chemical:	07/26/1984 TOTAL HARDNESS (AS CACO3)	Findings:	292.000 MG/L
Sample Collected: Chemical:	07/26/1984 CALCIUM	Findings:	60.000 MG/L
Sample Collected: Chemical:	07/26/1984 MAGNESIUM	Findings:	35.000 MG/L
Sample Collected: Chemical:	07/26/1984 SODIUM	Findings:	45.000 MG/L
Sample Collected: Chemical:	07/26/1984 POTASSIUM	Findings:	3.100 MG/L
Sample Collected: Chemical:	07/26/1984 CHLORIDE	Findings:	65.000 MG/L
Sample Collected: Chemical:	07/26/1984 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.110 MG/L
Sample Collected: Chemical:	07/26/1984 TOTAL DISSOLVED SOLIDS	Findings:	440.000 MG/L
Sample Collected: Chemical:	07/26/1984 TURBIDITY (LAB)	Findings:	1.000 NTU
Sample Collected: Chemical:	05/22/1985 COLOR	Findings:	1.000 UNITS
Sample Collected: Chemical:	05/22/1985 ODOR THRESHOLD @ 60 C	Findings:	2.000 TON
Sample Collected: Chemical:	05/22/1985 SPECIFIC CONDUCTANCE	Findings:	650.000 UMHO
Sample Collected: Chemical:	05/22/1985 PH (LABORATORY)	Findings:	1.100
Sample Collected: Chemical:	05/22/1985 BICARBONATE ALKALINITY	Findings:	280.000 MG/L
Sample Collected: Chemical:	05/22/1985 TOTAL HARDNESS (AS CACO3)	Findings:	340.000 MG/L
Sample Collected: Chemical:	05/22/1985 CALCIUM	Findings:	63.000 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	05/22/1985 MAGNESIUM	Findings:	43.000 MG/L
Sample Collected: Chemical:	05/22/1985 SODIUM	Findings:	21.000 MG/L
Sample Collected: Chemical:	05/22/1985 POTASSIUM	Findings:	4.000 MG/L
Sample Collected: Chemical:	05/22/1985 CHLORIDE	Findings:	78.000 MG/L
Sample Collected: Chemical:	05/22/1985 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.110 MG/L
Sample Collected: Chemical:	05/22/1985 MANGANESE	Findings:	30.000 UG/L
Sample Collected: Chemical:	05/22/1985 TOTAL DISSOLVED SOLIDS	Findings:	480.000 MG/L
Sample Collected: Chemical:	05/22/1985 TURBIDITY (LAB)	Findings:	.340 NTU
Sample Collected: Chemical:	04/16/1986 COLOR	Findings:	1.000 UNITS
Sample Collected: Chemical:	04/16/1986 ODOR THRESHOLD @ 60 C	Findings:	1.000 TON
Sample Collected: Chemical:	04/16/1986 SPECIFIC CONDUCTANCE	Findings:	730.000 UMHO
Sample Collected: Chemical:	04/16/1986 PH (LABORATORY)	Findings:	7.200
Sample Collected: Chemical:	04/16/1986 BICARBONATE ALKALINITY	Findings:	300.000 MG/L
Sample Collected: Chemical:	04/16/1986 TOTAL HARDNESS (AS CACO3)	Findings:	230.000 MG/L
Sample Collected: Chemical:	04/16/1986 CALCIUM	Findings:	47.000 MG/L
Sample Collected: Chemical:	04/16/1986 MAGNESIUM	Findings:	27.000 MG/L
Sample Collected: Chemical:	04/16/1986 SODIUM	Findings:	60.000 MG/L
Sample Collected: Chemical:	04/16/1986 POTASSIUM	Findings:	4.800 MG/L
Sample Collected: Chemical:	04/16/1986 CHLORIDE	Findings:	48.000 MG/L
Sample Collected: Chemical:	04/16/1986 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.140 MG/L
Sample Collected: Chemical:	04/16/1986 IRON	Findings:	430.000 UG/L
Sample Collected: Chemical:	04/16/1986 MANGANESE	Findings:	50.000 UG/L
Sample Collected: Chemical:	04/16/1986 ZINC	Findings:	235.000 UG/L
Sample Collected: Chemical:	04/16/1986 TOTAL DISSOLVED SOLIDS	Findings:	445.000 MG/L
Sample Collected: Chemical:	04/16/1986 TURBIDITY (LAB)	Findings:	500 NTU

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/08/1987 COLOR	Findings:	5.000 UNITS
Sample Collected: Chemical:	04/08/1987 ODOR THRESHOLD @ 60 C	Findings:	2.000 TON
Sample Collected: Chemical:	04/08/1987 SPECIFIC CONDUCTANCE	Findings:	574.000 UMHO
Sample Collected: Chemical:	04/08/1987 PH (LABORATORY)	Findings:	7.800
Sample Collected: Chemical:	04/08/1987 TOTAL ALKALINITY (AS CACO3)	Findings:	224.000 MG/L
Sample Collected: Chemical:	04/08/1987 BICARBONATE ALKALINITY	Findings:	273.000 MG/L
Sample Collected: Chemical:	04/08/1987 TOTAL HARDNESS (AS CACO3)	Findings:	300.000 MG/L
Sample Collected: Chemical:	04/08/1987 CALCIUM	Findings:	83.000 MG/L
Sample Collected: Chemical:	04/08/1987 MAGNESIUM	Findings:	47.000 MG/L
Sample Collected: Chemical:	04/08/1987 SODIUM	Findings:	38.000 MG/L
Sample Collected: Chemical:	04/08/1987 POTASSIUM	Findings:	4.100 MG/L
Sample Collected: Chemical:	04/08/1987 CHLORIDE	Findings:	135.000 MG/L
Sample Collected: Chemical:	04/08/1987 IRON	Findings:	270.000 UG/L
Sample Collected: Chemical:	04/08/1987 MANGANESE	Findings:	50.000 UG/L
Sample Collected: Chemical:	04/08/1987 TOTAL DISSOLVED SOLIDS	Findings:	380.000 MG/L
Sample Collected: Chemical:	04/08/1987 TURBIDITY (LAB)	Findings:	.870 NTU

A10
NNW
1/2 - 1 Mile
Higher

CA WELLS 1031

Water System Information:

Prime Station Code:	1150010-12001 W	Joint ID:	HERS
FRDS Number:	4410012001	County:	Santa Cruz
District Number:	05	Station Type:	WELL/AMB-TRANSIENT/NP/GW/HLY
Water Type:	Water Supplier	Well Status:	Abandoned
Source Lat/Long:	365000.0 1215600.0	Direction:	Indirect
Source Name:	SEACLIFF WELL 06 - ABANDONED		
System Number:	4410012		
System Name:	Soquel Creek Water District		
Organization That Operates System:	P O BOX 1818 SOQUEL, CA 95073		
POD Serviced:	38450	Connections:	12530
Area Served:	SOQUEL APTOS		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Information. *Only Findings Above Detection Level Are Listed

Sample Collected: Chemical:	07/28/1984 COLOR	Findings:	2.000 UNITS
Sample Collected: Chemical:	07/28/1984 ODOR THRESHOLD @ 60 C	Findings:	4.000 TON
Sample Collected: Chemical:	07/28/1984 SPECIFIC CONDUCTANCE	Findings:	374.000 UMHO
Sample Collected: Chemical:	07/28/1984 PH (LABORATORY)	Findings:	7.700
Sample Collected: Chemical:	07/28/1984 BICARBONATE ALKALINITY	Findings:	191.000 MG/L
Sample Collected: Chemical:	07/28/1984 TOTAL HARDNESS (AS CACO3)	Findings:	191.000 MG/L
Sample Collected: Chemical:	07/28/1984 CALCIUM	Findings:	27.000 MG/L
Sample Collected: Chemical:	07/28/1984 MAGNESIUM	Findings:	30.000 MG/L
Sample Collected: Chemical:	07/28/1984 SODIUM	Findings:	29.000 MG/L
Sample Collected: Chemical:	07/28/1984 POTASSIUM	Findings:	3.700 MG/L
Sample Collected: Chemical:	07/28/1984 CHLORIDE	Findings:	50.000 MG/L
Sample Collected: Chemical:	07/28/1984 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.140 MG/L
Sample Collected: Chemical:	07/28/1984 LEAD	Findings:	10.000 UG/L
Sample Collected: Chemical:	07/28/1984 MANGANESE	Findings:	80.000 UG/L
Sample Collected: Chemical:	07/28/1984 TOTAL DISSOLVED SOLIDS	Findings:	328.000 MG/L
Sample Collected: Chemical:	07/28/1984 TURBIDITY (LAB)	Findings:	.600 NTU
Sample Collected: Chemical:	05/22/1985 COLOR	Findings:	1.000 UNITS
Sample Collected: Chemical:	05/22/1985 ODOR THRESHOLD @ 60 C	Findings:	3.000 TON
Sample Collected: Chemical:	05/22/1985 SPECIFIC CONDUCTANCE	Findings:	540.000 UMHO
Sample Collected: Chemical:	05/22/1985 PH (LABORATORY)	Findings:	7.100
Sample Collected: Chemical:	05/22/1985 BICARBONATE ALKALINITY	Findings:	154.000 MG/L
Sample Collected: Chemical:	05/22/1985 TOTAL HARDNESS (AS CACO3)	Findings:	255.000 MG/L
Sample Collected: Chemical:	05/22/1985 CALCIUM	Findings:	25.000 MG/L
Sample Collected: Chemical:	05/22/1985 MAGNESIUM	Findings:	39.000 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	05/22/1986 SODIUM	Findings:	30,000 MG/L
Sample Collected: Chemical:	05/22/1986 POTASSIUM	Findings:	5,100 MG/L
Sample Collected: Chemical:	05/22/1986 CHLORIDE	Findings:	63,000 MG/L
Sample Collected: Chemical:	05/22/1986 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	100 MG/L
Sample Collected: Chemical:	05/22/1986 SELENIUM	Findings:	6,000 UG/L
Sample Collected: Chemical:	05/22/1986 TOTAL DISSOLVED SOLIDS	Findings:	294,000 MG/L
Sample Collected: Chemical:	05/22/1986 TURBIDITY (LAB)	Findings:	860 NTU
Sample Collected: Chemical:	04/16/1988 COLOR	Findings:	2,000 UNITS
Sample Collected: Chemical:	04/16/1988 SPECIFIC CONDUCTANCE	Findings:	480,000 UMHO
Sample Collected: Chemical:	04/16/1988 PH (LABORATORY)	Findings:	7,600
Sample Collected: Chemical:	04/16/1988 BICARBONATE ALKALINITY	Findings:	225,000 MG/L
Sample Collected: Chemical:	04/16/1988 TOTAL HARDNESS (AS CACO3)	Findings:	280,000 MG/L
Sample Collected: Chemical:	04/16/1988 CALCIUM	Findings:	38,000 MG/L
Sample Collected: Chemical:	04/16/1988 MAGNESIUM	Findings:	32,000 MG/L
Sample Collected: Chemical:	04/16/1988 SODIUM	Findings:	30,000 MG/L
Sample Collected: Chemical:	04/16/1988 POTASSIUM	Findings:	3,200 MG/L
Sample Collected: Chemical:	04/16/1988 CHLORIDE	Findings:	30,000 MG/L
Sample Collected: Chemical:	04/16/1988 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	140 MG/L
Sample Collected: Chemical:	04/16/1988 LEAD	Findings:	14,000 UG/L
Sample Collected: Chemical:	04/16/1988 MANGANESE	Findings:	40,000 UG/L
Sample Collected: Chemical:	04/16/1988 TOTAL DISSOLVED SOLIDS	Findings:	297,000 MG/L
Sample Collected: Chemical:	04/16/1988 NITRATE (AS NO3)	Findings:	20,000 MG/L
Sample Collected: Chemical:	04/16/1988 TURBIDITY (LAB)	Findings:	500 NTU
Sample Collected: Chemical:	04/09/1987 COLOR	Findings:	2,000 UNITS
Sample Collected: Chemical:	04/09/1987 COOR THRESHOLD @ 80 C	Findings:	2,000 TON

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/09/1987 SPECIFIC CONDUCTANCE	Findings:	577,000 UMHO
Sample Collected: Chemical:	04/09/1987 PH (LABORATORY)	Findings:	7,500
Sample Collected: Chemical:	04/09/1987 TOTAL ALKALINITY (AS CACO3)	Findings:	184,000 MG/L
Sample Collected: Chemical:	04/09/1987 BICARBONATE ALKALINITY	Findings:	225,000 MG/L
Sample Collected: Chemical:	04/09/1987 TOTAL HARDNESS (AS CACO3)	Findings:	213,000 MG/L
Sample Collected: Chemical:	04/09/1987 CALCIUM	Findings:	38,000 MG/L
Sample Collected: Chemical:	04/09/1987 MAGNESIUM	Findings:	30,000 MG/L
Sample Collected: Chemical:	04/09/1987 SODIUM	Findings:	47,000 MG/L
Sample Collected: Chemical:	04/09/1987 POTASSIUM	Findings:	5,300 MG/L
Sample Collected: Chemical:	04/09/1987 CHLORIDE	Findings:	58,000 MG/L
Sample Collected: Chemical:	04/09/1987 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	100 MG/L
Sample Collected: Chemical:	04/09/1987 MANGANESE	Findings:	30,000 UG/L
Sample Collected: Chemical:	04/09/1987 GROSS BETA	Findings:	9,400 MG/L
Sample Collected: Chemical:	04/09/1987 BROMODICHLOROMETHANE (THM)	Findings:	1,000 UG/L
Sample Collected: Chemical:	04/09/1987 BROMOFORM (THM)	Findings:	1,400 UG/L
Sample Collected: Chemical:	04/09/1987 DIBROMOCHLOROMETHANE (THM)	Findings:	1,800 UG/L
Sample Collected: Chemical:	04/09/1987 CHLOROFORM (THM)	Findings:	1,300 UG/L
Sample Collected: Chemical:	04/09/1987 TOTAL DISSOLVED SOLIDS	Findings:	380,000 MG/L
Sample Collected: Chemical:	04/09/1987 TURBIDITY (LAB)	Findings:	860 NTU
Sample Collected: Chemical:	04/09/1987 TOTAL TRIHALOMETHANES	Findings:	6,800 UG/L

A11
NNW
1.0 - 1 Mile
Higher

CA WELLS 10549

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	11S/01W-12J01 M	User ID:	HEN
FRDS Number:	4410017023	County:	Santa Cruz
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	3659000 1215530 0	Precision:	Undefined
Source Name:	SEACLIFF WELL 05 - ABANDONED		
System Number:	4410017		
System Name:	Soquel Creek Water District		
Organization That Operates System:	P O BOX 158 SOQUEL CA 95073		
Pop Served:	38400	Connections:	12920
Area Served:	SOQUEL APTOS		

A12
NNW
1/2 - 1 Mile
Higher

CA WELLS 10349

Water System Information:

Prime Station Code:	11S/01W-12K01 M	User ID:	HEN
FRDS Number:	4410017013	County:	Santa Cruz
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	3659000 1215530 0	Precision:	Undefined
Source Name:	MACFLIKE WELL		
System Number:	4410017		
System Name:	Soquel Creek Water District		
Organization That Operates System:	P O BOX 158 SOQUEL CA 95073		
Pop Served:	38400	Connections:	12920
Area Served:	SOQUEL APTOS		

Sample Information: 1 Only Findings Above Detection Level Are Listed

Sample Collected:	05/22/1985	Findings:	1.000 UNITS
Chemical:	COLOR		
Sample Collected:	05/22/1985	Findings:	4.000 TON
Chemical:	ODOR THRESHOLD @ 60C		
Sample Collected:	05/22/1985	Findings:	780.000 UNHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/22/1985	Findings:	7.200
Chemical:	PH (LABORATORY)		
Sample Collected:	05/22/1985	Findings:	304.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/22/1985	Findings:	130.400 MG/L
Chemical:	TOTAL HARDNESS (AS CACO3)		
Sample Collected:	05/22/1985	Findings:	28.400 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/22/1985	Findings:	14.600 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/22/1985	Findings:	82.600 MG/L
Chemical:	SODIUM		
Sample Collected:	05/22/1985	Findings:	3.400 MG/L
Chemical:	POTASSIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/22/1985	Findings:	32.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/22/1985	Findings:	.300 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	05/22/1985	Findings:	150.000 UG/L
Chemical:	IRON		
Sample Collected:	05/22/1985	Findings:	390.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/22/1985	Findings:	.100 ATU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/16/1986	Findings:	2.000 UNITS
Chemical:	COLOR		
Sample Collected:	04/16/1986	Findings:	610.000 UNHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/16/1986	Findings:	7.900
Chemical:	PH (LABORATORY)		
Sample Collected:	04/16/1986	Findings:	316.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/16/1986	Findings:	167.000 MG/L
Chemical:	TOTAL HARDNESS (AS CACO3)		
Sample Collected:	04/16/1986	Findings:	35.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/16/1986	Findings:	17.000 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	04/16/1986	Findings:	95.000 MG/L
Chemical:	SODIUM		
Sample Collected:	04/16/1986	Findings:	3.100 MG/L
Chemical:	POTASSIUM		
Sample Collected:	04/16/1986	Findings:	37.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/16/1986	Findings:	.490 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/16/1986	Findings:	110.000 UG/L
Chemical:	IRON		
Sample Collected:	04/16/1986	Findings:	397.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/16/1986	Findings:	.880 NTU
Chemical:	TURBIDITY (LAB)		
Sample Collected:	04/08/1987	Findings:	2.000 UNITS
Chemical:	COLOR		
Sample Collected:	04/08/1987	Findings:	658.000 UNHO
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/08/1987	Findings:	7.700
Chemical:	PH (LABORATORY)		
Sample Collected:	04/08/1987	Findings:	290.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CACO3)		
Sample Collected:	04/08/1987	Findings:	310.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/08/1987	Findings:	190.000 MG/L
Chemical:	TOTAL HARDNESS (AS CACO3)		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/08/1987 CALCIUM	Findings:	42,000 MG/L
Sample Collected: Chemical:	04/08/1987 MAGNESIUM	Findings:	2,200 MG/L
Sample Collected: Chemical:	04/08/1987 SODIUM	Findings:	68,000 MG/L
Sample Collected: Chemical:	04/08/1987 POTASSIUM	Findings:	4,000 MG/L
Sample Collected: Chemical:	04/08/1987 CHLORIDE	Findings:	47,000 MG/L
Sample Collected: Chemical:	04/08/1987 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	200 MG/L
Sample Collected: Chemical:	04/08/1987 IRON	Findings:	970,000 UG/L
Sample Collected: Chemical:	04/08/1987 CHLOROFORM (THM)	Findings:	1,700 UG/L
Sample Collected: Chemical:	04/08/1987 TOTAL DISSOLVED SOLIDS	Findings:	410,000 MG/L
Sample Collected: Chemical:	04/08/1987 TURBIDITY (LAB)	Findings:	1,600 NTU
Sample Collected: Chemical:	05/13/1985 SPECIFIC CONDUCTANCE	Findings:	700,000 UMHO
Sample Collected: Chemical:	05/13/1985 PH (LABORATORY)	Findings:	7.600
Sample Collected: Chemical:	05/13/1985 TOTAL ALKALINITY (AS CACO3)	Findings:	280,000 MG/L
Sample Collected: Chemical:	05/13/1985 BICARBONATE ALKALINITY	Findings:	280,000 MG/L
Sample Collected: Chemical:	05/13/1985 CALCIUM	Findings:	54,000 MG/L
Sample Collected: Chemical:	05/13/1985 MAGNESIUM	Findings:	24,000 MG/L
Sample Collected: Chemical:	05/13/1985 SODIUM	Findings:	70,000 MG/L
Sample Collected: Chemical:	05/13/1985 POTASSIUM	Findings:	4,100 MG/L
Sample Collected: Chemical:	05/13/1985 CHLORIDE	Findings:	42,000 MG/L
Sample Collected: Chemical:	05/13/1985 IRON	Findings:	820,000 UG/L
Sample Collected: Chemical:	05/13/1985 TOTAL DISSOLVED SOLIDS	Findings:	890,000 MG/L
Sample Collected: Chemical:	01/02/1990 BROMODICHLOROMETHANE (THM)	Findings:	900 UG/L
Sample Collected: Chemical:	01/02/1990 BROMOFORM (THM)	Findings:	9,200 UG/L
Sample Collected: Chemical:	01/02/1990 DIBROMOCHLOROMETHANE (THM)	Findings:	1,200 UG/L
Sample Collected: Chemical:	01/02/1990 CHLOROFORM (THM)	Findings:	800 UG/L

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	01/02/1990 TOTAL TRIHALOMETHANES	Findings:	8,100 UG/L
Sample Collected: Chemical:	04/10/1989 COLOR	Findings:	2,000 UNITS
Sample Collected: Chemical:	04/10/1989 ODOR THRESHOLD @ 60 C	Findings:	4,000 TON
Sample Collected: Chemical:	04/10/1989 SPECIFIC CONDUCTANCE	Findings:	690,000 UMHO
Sample Collected: Chemical:	04/10/1989 PH (LABORATORY)	Findings:	7.700
Sample Collected: Chemical:	04/10/1989 TOTAL ALKALINITY (AS CACO3)	Findings:	240,000 MG/L
Sample Collected: Chemical:	04/10/1989 BICARBONATE ALKALINITY	Findings:	240,000 MG/L
Sample Collected: Chemical:	04/10/1989 TOTAL HARDNESS (AS CACO3)	Findings:	164,000 MG/L
Sample Collected: Chemical:	04/10/1989 CALCIUM	Findings:	94,000 MG/L
Sample Collected: Chemical:	04/10/1989 MAGNESIUM	Findings:	24,000 MG/L
Sample Collected: Chemical:	04/10/1989 SODIUM	Findings:	80,000 MG/L
Sample Collected: Chemical:	04/10/1989 POTASSIUM	Findings:	3,600 MG/L
Sample Collected: Chemical:	04/10/1989 CHLORIDE	Findings:	49,000 MG/L
Sample Collected: Chemical:	04/10/1989 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.200 MG/L
Sample Collected: Chemical:	04/10/1989 IRON	Findings:	890,000 UG/L
Sample Collected: Chemical:	04/10/1989 MANGANESE	Findings:	10,000 UG/L
Sample Collected: Chemical:	04/13/1989 GROSS ALPHA	Findings:	-3,700 PCI/L
Sample Collected: Chemical:	04/13/1989 GROSS ALPHA COUNTING ERROR	Findings:	4,000 PCI/L
Sample Collected: Chemical:	04/13/1989 GROSS BETA COUNTING ERROR	Findings:	1,000 PCI/L
Sample Collected: Chemical:	04/13/1989 TOTAL DISSOLVED SOLIDS	Findings:	490,000 MG/L
Sample Collected: Chemical:	04/13/1989 TURBIDITY (LAB)	Findings:	3,500 NTU
Sample Collected: Chemical:	11/07/1989 GROSS ALPHA COUNTING ERROR	Findings:	2,300 PCI/L
Sample Collected: Chemical:	04/28/1992 SPECIFIC CONDUCTANCE	Findings:	640,000 UMHO
Sample Collected: Chemical:	04/28/1992 PH (LABORATORY)	Findings:	7.500
Sample Collected: Chemical:	04/28/1992 TOTAL ALKALINITY (AS CACO3)	Findings:	240,000 MG/L

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/28/1992 BICARBONATE ALKALINITY	Findings:	243.000 MG/L
Sample Collected: Chemical:	04/28/1992 TOTAL HARDNESS (AS CACO3)	Findings:	183.000 MG/L
Sample Collected: Chemical:	04/28/1992 CALCIUM	Findings:	29.000 MG/L
Sample Collected: Chemical:	04/28/1992 MAGNESIUM	Findings:	19.000 MG/L
Sample Collected: Chemical:	04/28/1992 SODIUM	Findings:	100.000 MG/L
Sample Collected: Chemical:	04/28/1992 POTASSIUM	Findings:	4.400 MG/L
Sample Collected: Chemical:	04/28/1992 CHLORIDE	Findings:	34.000 MG/L
Sample Collected: Chemical:	04/28/1992 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.320 MG/L
Sample Collected: Chemical:	04/28/1992 GROSS ALPHA COUNTING ERROR	Findings:	3.200 PCI/L
Sample Collected: Chemical:	04/28/1992 TOTAL DISSOLVED SOLIDS	Findings:	300.000 MG/L
Sample Collected: Chemical:	04/28/1992 TURBIDITY (LAB)	Findings:	.150 NTU
Sample Collected: Chemical:	08/23/1994 GROSS ALPHA COUNTING ERROR	Findings:	3.805 PCI/L
Sample Collected: Chemical:	08/23/1994 GROSS BETA COUNTING ERROR	Findings:	3.701 PCI/L
Sample Collected: Chemical:	12/13/1994 GROSS ALPHA	Findings:	7.200 PCI/L
Sample Collected: Chemical:	12/13/1994 GROSS ALPHA COUNTING ERROR	Findings:	3.100 PCI/L
Sample Collected: Chemical:	12/13/1994 GROSS BETA	Findings:	5.800 PCI/L
Sample Collected: Chemical:	12/13/1994 GROSS BETA COUNTING ERROR	Findings:	1.200 PCI/L
Sample Collected: Chemical:	03/28/1995 SPECIFIC CONDUCTANCE	Findings:	580.000 UMHO
Sample Collected: Chemical:	03/28/1995 PH (LABORATORY)	Findings:	7.850
Sample Collected: Chemical:	03/25/1995 BICARBONATE ALKALINITY	Findings:	280.000 MG/L
Sample Collected: Chemical:	03/25/1995 TOTAL HARDNESS (AS CACO3)	Findings:	190.000 MG/L
Sample Collected: Chemical:	03/25/1995 CALCIUM	Findings:	33.000 MG/L
Sample Collected: Chemical:	03/25/1995 MAGNESIUM	Findings:	24.000 MG/L
Sample Collected: Chemical:	03/25/1995 SODIUM	Findings:	85.000 MG/L
Sample Collected: Chemical:	03/25/1995 POTASSIUM	Findings:	3.200 MG/L

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	01/26/1996 CHLORIDE	Findings:	31.000 MG/L
Sample Collected: Chemical:	01/26/1996 GROSS ALPHA	Findings:	7.700 PCI/L
Sample Collected: Chemical:	01/26/1996 GROSS ALPHA COUNTING ERROR	Findings:	2.400 PCI/L
Sample Collected: Chemical:	01/26/1996 TOTAL DISSOLVED SOLIDS	Findings:	380.000 MG/L
Sample Collected: Chemical:	01/26/1996 TURBIDITY (LAB)	Findings:	.270 NTU
Sample Collected: Chemical:	04/30/1997 GROSS ALPHA	Findings:	1.150 PCI/L
Sample Collected: Chemical:	04/30/1997 GROSS ALPHA COUNTING ERROR	Findings:	1.150 PCI/L

13
NW
1/2 - 1 Mile
Higher

FED USGS **USGS2000179002**

Agency:	USGS	Site ID:	USGS-0112400121540001
Site Name:	011240012154001		
Dec Latitude:	36.66667		
Dec Longitude:	-121.91667		
Coord Sys:	NAD83		
State:	CA		
County:	Santa Cruz County		
Aquifer:	140.00		
Hydrologic code:	16000101		
Topographic:	Hillside (local)		
Site Type:	Ground-water other than Spring		
Const Date:	19121020	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	121FCSM		
Aquifer type:	Not Reported	Well Depth:	1020
Hole Depth:	1020	Source:	Not Reported
Project no:	Not Reported		

B14
NE
1/2 - 1 Mile
Higher

GA WELLS **10610**

Water System Information:

Prime Station Code:	115/01E-15F01 M	User ID:	JEH
PWS number:	4410017025	County:	Santa Cruz
District number:	05	Station Type:	WELLHEAD/MAINTANCE/SUPPLY
Water Type:	WELL(s) water	Well Status:	Abandoned
Source Latitude:	36.66667 -121.91667	Precision:	0000/0000
Source Name:	SEACLIFF WELL 01 - ABANDONED		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4410017
System Name: Soquel Creek Water District
Organization That Operates System:
P O BOX 158
SOQUEL, CA 95073
Pop Served: 36480 Connections: 12820
Area Served: SOQUEL APTOS

Sample Information * Only Findings Above Detection Level Are Listed
Sample Collected: 07/09/1986 Findings: 1.300 UG/L
Chemical: DIBROMOCHLOROMETHANE (TH)

BLM
NE
1/2 - 1 Mile
Higher

CA WELLS 14511

Water System Information:
Prime Station Code: F SUREA-1BR01 A1
PWS Number: ca1000-7002
District Number: 05
Water Type: Well/Groundwater
Source Lat/Long: 365903.0 1215400.0
Source Name: APTOS CREEK WELL
System Number: 4410017
System Name: Soquel Creek Water District
Organization That Operates System:
P O BOX 158
SOQUEL, CA 95073
Pop Served: 36480 Connections: 12820
Area Served: SOQUEL APTOS
User ID: TEN
County: Santa Cruz
Station Type: WELL/AMBIENT/MONITOR/SUPPLY
Wtr Source: Active Raw
Precision: Undefined

Sample Information: * Only Findings Above Detection Level Are Listed
Sample Collected: 07/09/1984 Findings: 5.000 UNITS
Chemical: COLOR
Sample Collected: 07/09/1984 Findings: 8.000 TON
Chemical: ODOR THRESHOLD @ 60 C
Sample Collected: 07/09/1984 Findings: 157.00 UMHO
Chemical: SPECIFIC CONDUCTANCE
Sample Collected: 07/09/1984 Findings: 7.700
Chemical: PH (LABORATORY)
Sample Collected: 07/09/1984 Findings: 308.000 MG/L
Chemical: B CARBONATE ALKALINITY
Sample Collected: 07/09/1984 Findings: 270.000 MG/L
Chemical: TOTAL HARDNESS (AS CACO3)
Sample Collected: 07/09/1984 Findings: 50.000 MG/L
Chemical: CALCIUM
Sample Collected: 07/09/1984 Findings: 36.000 MG/L
Chemical: MAGNESIUM
Sample Collected: 07/09/1984 Findings: 53.000 MG/L
Chemical: SODIUM
Sample Collected: 07/09/1984 Findings: 3.930 MG/L
Chemical: POTASSIUM
Sample Collected: 07/09/1984 Findings: 41.000 MG/L
Chemical: CHLORIDE

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: 07/09/1984 Findings: .130 MG/L
Chemical: FLUORIDE (TEMPERATURE DEPENDENT)
Sample Collected: 07/09/1984 Findings: 200.000 UG/L
Chemical: MANGANESE
Sample Collected: 07/09/1984 Findings: 190.000 MG/L
Chemical: TOTAL DISSOLVED SOLIDS
Sample Collected: 07/09/1984 Findings: 650 NTU
Chemical: TURBIDITY (LAB)
Sample Collected: 05/22/1985 Findings: 5.000 UNITS
Chemical: COLOR
Sample Collected: 05/22/1985 Findings: 8.000 TON
Chemical: ODOR THRESHOLD @ 60 C
Sample Collected: 05/22/1985 Findings: 850.000 UMHO
Chemical: SPECIFIC CONDUCTANCE
Sample Collected: 05/22/1985 Findings: 7.200
Chemical: PH (LABORATORY)
Sample Collected: 05/22/1985 Findings: 291.000 MG/L
Chemical: BICARBONATE ALKALINITY
Sample Collected: 05/22/1985 Findings: 245.000 MG/L
Chemical: TOTAL HARDNESS (AS CACO3)
Sample Collected: 05/22/1985 Findings: 75.000 MG/L
Chemical: CALCIUM
Sample Collected: 05/22/1985 Findings: 36.000 MG/L
Chemical: MAGNESIUM
Sample Collected: 05/22/1985 Findings: 52.000 MG/L
Chemical: SODIUM
Sample Collected: 05/22/1985 Findings: 2.900 MG/L
Chemical: POTASSIUM
Sample Collected: 05/22/1985 Findings: 38.000 MG/L
Chemical: CHLORIDE
Sample Collected: 05/22/1985 Findings: .130 MG/L
Chemical: FLUORIDE (TEMPERATURE DEPENDENT)
Sample Collected: 05/22/1985 Findings: 180.000 UG/L
Chemical: MANGANESE
Sample Collected: 05/22/1985 Findings: 352.000 MG/L
Chemical: TOTAL DISSOLVED SOLIDS
Sample Collected: 05/22/1985 Findings: 700 NTU
Chemical: TURBIDITY (LAB)
Sample Collected: 04/16/1986 Findings: 5.000 UNITS
Chemical: COLOR
Sample Collected: 04/16/1986 Findings: 710.000 UMHO
Chemical: SPECIFIC CONDUCTANCE
Sample Collected: 04/16/1986 Findings: 7.600
Chemical: PH (LABORATORY)
Sample Collected: 04/16/1986 Findings: 308.000 MG/L
Chemical: B CARBONATE ALKALINITY
Sample Collected: 04/16/1986 Findings: 300.000 MG/L
Chemical: TOTAL HARDNESS (AS CACO3)
Sample Collected: 04/16/1986 Findings: 52.000 MG/L
Chemical: CALCIUM

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/15/1988 MAGNESIUM	Findings:	49.000 MG/L
Sample Collected: Chemical:	04/15/1988 SODIUM	Findings:	44.000 MG/L
Sample Collected: Chemical:	04/15/1988 POTASSIUM	Findings:	5.000 MG/L
Sample Collected: Chemical:	04/15/1988 CHLORIDE	Findings:	80.000 MG/L
Sample Collected: Chemical:	04/15/1988 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.200 MG/L
Sample Collected: Chemical:	04/15/1988 IRON	Findings:	240.000 UG/L
Sample Collected: Chemical:	04/15/1988 MANGANESE	Findings:	350.000 UG/L
Sample Collected: Chemical:	04/15/1988 TOTAL DISSOLVED SOLIDS	Findings:	452.000 MG/L
Sample Collected: Chemical:	04/15/1988 TURBIDITY (LAB)	Findings:	4.900 NTU
Sample Collected: Chemical:	04/05/1988 COLOR	Findings:	2.000 UNITS
Sample Collected: Chemical:	04/05/1988 SPECIFIC CONDUCTANCE	Findings:	650.000 UMHO
Sample Collected: Chemical:	04/05/1988 PH (LABORATORY)	Findings:	7.500
Sample Collected: Chemical:	04/05/1988 TOTAL ALKALINITY (AS CACO3)	Findings:	258.000 MG/L
Sample Collected: Chemical:	04/05/1988 BICARBONATE ALKALINITY	Findings:	318.000 MG/L
Sample Collected: Chemical:	04/05/1988 TOTAL HARDNESS (AS CACO3)	Findings:	290.000 MG/L
Sample Collected: Chemical:	04/05/1988 CALCIUM	Findings:	41.000 MG/L
Sample Collected: Chemical:	04/05/1988 MAGNESIUM	Findings:	41.000 MG/L
Sample Collected: Chemical:	04/05/1988 SODIUM	Findings:	44.000 MG/L
Sample Collected: Chemical:	04/05/1988 POTASSIUM	Findings:	6.000 MG/L
Sample Collected: Chemical:	04/05/1988 CHLORIDE	Findings:	44.000 MG/L
Sample Collected: Chemical:	04/05/1988 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.120 MG/L
Sample Collected: Chemical:	04/05/1988 MANGANESE	Findings:	280.000 UG/L
Sample Collected: Chemical:	04/05/1988 CHLOROFORM (TTHM)	Findings:	0.000 UG/L
Sample Collected: Chemical:	04/05/1988 TOTAL DISSOLVED SOLIDS	Findings:	400.000 MG/L
Sample Collected: Chemical:	04/05/1988 TURBIDITY (LAB)	Findings:	1.200 NTU

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/25/1988 COLOR	Findings:	3.000 UNITS
Sample Collected: Chemical:	04/25/1988 SPECIFIC CONDUCTANCE	Findings:	600.000 UMHO
Sample Collected: Chemical:	04/25/1988 PH (LABORATORY)	Findings:	7.700
Sample Collected: Chemical:	04/25/1988 TOTAL ALKALINITY (AS CACO3)	Findings:	250.000 MG/L
Sample Collected: Chemical:	04/25/1988 BICARBONATE ALKALINITY	Findings:	250.000 MG/L
Sample Collected: Chemical:	04/25/1988 TOTAL HARDNESS (AS CACO3)	Findings:	260.000 MG/L
Sample Collected: Chemical:	04/25/1988 CALCIUM	Findings:	64.000 MG/L
Sample Collected: Chemical:	04/25/1988 MAGNESIUM	Findings:	31.000 MG/L
Sample Collected: Chemical:	04/25/1988 SODIUM	Findings:	38.000 MG/L
Sample Collected: Chemical:	04/25/1988 POTASSIUM	Findings:	5.500 MG/L
Sample Collected: Chemical:	04/25/1988 CHLORIDE	Findings:	44.000 MG/L
Sample Collected: Chemical:	04/25/1988 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.100 MG/L
Sample Collected: Chemical:	04/25/1988 IRON	Findings:	290.000 UG/L
Sample Collected: Chemical:	04/25/1988 MANGANESE	Findings:	350.000 UG/L
Sample Collected: Chemical:	04/25/1988 TOTAL DISSOLVED SOLIDS	Findings:	480.000 MG/L
Sample Collected: Chemical:	04/25/1988 TURBIDITY (LAB)	Findings:	.940 NTU
Sample Collected: Chemical:	11/01/1988 GROSS ALPHA COUNTING ERROR	Findings:	2.000 PCI/L
Sample Collected: Chemical:	05/25/1993 GROSS ALPHA COUNTING ERROR	Findings:	1.500 PCI/L
Sample Collected: Chemical:	05/25/1993 SPECIFIC CONDUCTANCE	Findings:	680.000 UMHO
Sample Collected: Chemical:	05/25/1993 PH (LABORATORY)	Findings:	7.400
Sample Collected: Chemical:	05/25/1993 TOTAL ALKALINITY (AS CACO3)	Findings:	240.000 MG/L
Sample Collected: Chemical:	05/25/1993 TOTAL HARDNESS (AS CACO3)	Findings:	290.000 MG/L
Sample Collected: Chemical:	05/25/1993 CALCIUM	Findings:	41.000 MG/L
Sample Collected: Chemical:	05/25/1993 MAGNESIUM	Findings:	46.000 MG/L
Sample Collected: Chemical:	05/25/1993 SODIUM	Findings:	52.000 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	05/25/1993 POTASSIUM	Findings:	6.000 MG/L
Sample Collected: Chemical:	05/25/1993 CHLORIDE	Findings:	14.000 MG/L
Sample Collected: Chemical:	05/25/1993 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.555 MG/L
Sample Collected: Chemical:	05/25/1993 IRON	Findings:	67.0 UG/L
Sample Collected: Chemical:	05/25/1993 MANGANESE	Findings:	90.000 UG/L
Sample Collected: Chemical:	05/25/1993 TOTAL DISSOLVED SOLIDS	Findings:	420.000 MG/L
Sample Collected: Chemical:	05/25/1993 TURBIDITY (LAB)	Findings:	.300 NTU
Sample Collected: Chemical:	08/25/1993 GROSS ALPHA COUNTING ERROR	Findings:	1.300 PCI/L
Sample Collected: Chemical:	03/02/1994 GROSS ALPHA COUNTING ERROR	Findings:	1.600 PCI/L
Sample Collected: Chemical:	08/23/1994 GROSS ALPHA	Findings:	1.400 PCI/L
Sample Collected: Chemical:	08/23/1994 GROSS ALPHA COUNTING ERROR	Findings:	3.800 PCI/L
Sample Collected: Chemical:	08/23/1994 GROSS BETA	Findings:	8.200 PCI/L
Sample Collected: Chemical:	08/23/1994 GROSS BETA COUNTING ERROR	Findings:	3.300 PCI/L
Sample Collected: Chemical:	11/30/1994 GROSS ALPHA COUNTING ERROR	Findings:	2.100 PCI/L
Sample Collected: Chemical:	04/10/1995 SPECIFIC CONDUCTANCE	Findings:	880.000 UMHO
Sample Collected: Chemical:	04/10/1995 PH (LABORATORY)	Findings:	8.000
Sample Collected: Chemical:	04/10/1995 BICARBONATE ALKALINITY	Findings:	280.000 MG/L
Sample Collected: Chemical:	04/10/1995 TOTAL HARDNESS (AS CACO3)	Findings:	305.000 MG/L
Sample Collected: Chemical:	04/10/1995 CALCIUM	Findings:	39.000 MG/L
Sample Collected: Chemical:	04/10/1995 MAGNESIUM	Findings:	38.000 MG/L
Sample Collected: Chemical:	04/10/1995 SODIUM	Findings:	57.000 MG/L
Sample Collected: Chemical:	04/10/1995 POTASSIUM	Findings:	5.200 MG/L
Sample Collected: Chemical:	04/10/1995 CHLORIDE	Findings:	49.000 MG/L
Sample Collected: Chemical:	04/10/1995 GROSS ALPHA COUNTING ERROR	Findings:	2.800 PCI/L
Sample Collected: Chemical:	04/10/1995 TOTAL DISSOLVED SOLIDS	Findings:	480.000 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/10/1995 TURBIDITY (LAB)	Findings:	.300 NTU

C14
ENE
1/2 - 1 Mile
Higher

GA WELLS 19977

Water System Information:

Primary Station Code:	4410017-035	User ID:	HEN
FRDS Number:	4410017035	County:	Santa Cruz
District Number:	05	Station Type:	WELL/AMBIENT
Water Type:	Well/Groundwater	Well Status:	Destroyed Treated
Source Lat/Long:	365847.0 1215346.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	T. HOPKINS WELL - TREATED		
System Number:	4410017		
System Name:	Soquel Creek Water District		
Organization That Operates System:	P O BOX 158 SOQUEL, CA 95073		
Pop Served:	38460	Connections:	12820
Area Served:	SOQUEL APTOS		

Sample Information: * Only Findings Above Detection Level Are Listed

Sample Collected: Chemical:	04/10/1991 GROSS ALPHA COUNTING ERROR	Findings:	1.700 PCI/L
Sample Collected: Chemical:	06/20/1993 GROSS ALPHA COUNTING ERROR	Findings:	1.400 PCI/L

D12
ENE
1/2 - 1 Mile
Higher

GA WELLS 19976

Water System Information:

Primary Station Code:	4410017-034	User ID:	HEN
FRDS Number:	4410017034	County:	Santa Cruz
District Number:	05	Station Type:	WELL/AMBIENT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	365847.0 1215346.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	T. HOPKINS WELL		
System Number:	4410017		
System Name:	Soquel Creek Water District		
Organization That Operates System:	P O BOX 158 SOQUEL, CA 95073		
Pop Served:	38460	Connections:	12820
Area Served:	SOQUEL APTOS		

Sample Information: * Only Findings Above Detection Level Are Listed

Sample Collected: Chemical:	04/10/1991 SPECIFIC CONDUCTANCE	Findings:	390.000 UMHO
Sample Collected: Chemical:	04/10/1991 PH (LABORATORY)	Findings:	8.000
Sample Collected: Chemical:	04/10/1991 BICARBONATE ALKALINITY	Findings:	58.000 MG/L
Sample Collected: Chemical:	04/10/1991 CARBONATE ALKALINITY	Findings:	210.000 MG/L

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/16/1991 TOTAL HARDNESS (AS CACO3)	Findings:	220.000 MG/L
Sample Collected: Chemical:	04/16/1991 CALCIUM	Findings:	36.000 MG/L
Sample Collected: Chemical:	04/16/1991 MAGNESIUM	Findings:	32.000 MG/L
Sample Collected: Chemical:	04/16/1991 SODIUM	Findings:	53.000 MG/L
Sample Collected: Chemical:	04/16/1991 POTASSIUM	Findings:	4.700 MG/L
Sample Collected: Chemical:	04/16/1991 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	0.000 MG/L
Sample Collected: Chemical:	04/16/1991 ARSENIC	Findings:	5.500 UG/L
Sample Collected: Chemical:	04/16/1991 GROSS ALPHA COUNTING ERROR	Findings:	1.700 PCI/L
Sample Collected: Chemical:	04/16/1991 LAUNDRY AGENTS (MBAS)	Findings:	220.000 UG/L
Sample Collected: Chemical:	04/26/1992 SPECIFIC CONDUCTANCE	Findings:	660.000 UMHO
Sample Collected: Chemical:	04/26/1992 PH (LABORATORY)	Findings:	6.100
Sample Collected: Chemical:	04/26/1992 TOTAL ALKALINITY (AS CACO3)	Findings:	180.000 MG/L
Sample Collected: Chemical:	04/26/1992 CARBONATE ALKALINITY	Findings:	180.000 MG/L
Sample Collected: Chemical:	04/26/1992 TOTAL HARDNESS (AS CACO3)	Findings:	260.000 MG/L
Sample Collected: Chemical:	04/26/1992 CALCIUM	Findings:	32.000 MG/L
Sample Collected: Chemical:	04/26/1992 MAGNESIUM	Findings:	27.000 MG/L
Sample Collected: Chemical:	04/26/1992 SODIUM	Findings:	68.000 MG/L
Sample Collected: Chemical:	04/26/1992 POTASSIUM	Findings:	5.150 MG/L
Sample Collected: Chemical:	04/26/1992 CHLORIDE	Findings:	39.000 MG/L
Sample Collected: Chemical:	04/26/1992 GROSS ALPHA	Findings:	3.300 PCI/L
Sample Collected: Chemical:	04/26/1992 GROSS ALPHA COUNTING ERROR	Findings:	2.500 PCI/L
Sample Collected: Chemical:	04/26/1992 TOTAL DISSOLVED SOLIDS	Findings:	320.000 MG/L
Sample Collected: Chemical:	04/26/1992 TURBIDITY (LAB)	Findings:	.190 NTU
Sample Collected: Chemical:	09/26/1993 GROSS ALPHA COUNTING ERROR	Findings:	1.160 PCI/L
Sample Collected: Chemical:	09/26/1993 GROSS ALPHA	Findings:	1.460 PCI/L

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	03/02/1994 GROSS ALPHA COUNTING ERROR	Findings:	2.400 PCI/L
Sample Collected: Chemical:	06/23/1994 GROSS ALPHA COUNTING ERROR	Findings:	2.700 PCI/L
Sample Collected: Chemical:	06/23/1994 GROSS BETA	Findings:	6.000 PCI/L
Sample Collected: Chemical:	06/23/1994 GROSS BETA COUNTING ERROR	Findings:	3.400 PCI/L
Sample Collected: Chemical:	11/01/1994 GROSS ALPHA COUNTING ERROR	Findings:	4.700 PCI/L
Sample Collected: Chemical:	04/03/1995 SPECIFIC CONDUCTANCE	Findings:	620.000 UMHO
Sample Collected: Chemical:	04/03/1995 PH (LABORATORY)	Findings:	7.600
Sample Collected: Chemical:	04/03/1995 BICARBONATE ALKALINITY	Findings:	220.000 MG/L
Sample Collected: Chemical:	04/03/1995 TOTAL HARDNESS (AS CACO3)	Findings:	230.000 MG/L
Sample Collected: Chemical:	04/03/1995 CALCIUM	Findings:	38.000 MG/L
Sample Collected: Chemical:	04/03/1995 MAGNESIUM	Findings:	31.000 MG/L
Sample Collected: Chemical:	04/03/1995 SODIUM	Findings:	59.000 MG/L
Sample Collected: Chemical:	04/03/1995 POTASSIUM	Findings:	5.800 MG/L
Sample Collected: Chemical:	04/03/1995 CHLORIDE	Findings:	41.000 MG/L
Sample Collected: Chemical:	04/03/1995 GROSS ALPHA COUNTING ERROR	Findings:	3.400 PCI/L
Sample Collected: Chemical:	04/03/1995 TOTAL DISSOLVED SOLIDS	Findings:	380.000 MG/L
Sample Collected: Chemical:	04/03/1995 TURBIDITY (LAB)	Findings:	.270 NTU
Sample Collected: Chemical:	04/04/1996 SPECIFIC CONDUCTANCE	Findings:	650.000 UMHO
Sample Collected: Chemical:	04/04/1996 PH (LABORATORY)	Findings:	7.000
Sample Collected: Chemical:	04/04/1996 BICARBONATE ALKALINITY	Findings:	220.000 MG/L
Sample Collected: Chemical:	04/04/1996 TOTAL HARDNESS (AS CACO3)	Findings:	230.000 MG/L
Sample Collected: Chemical:	04/04/1996 CALCIUM	Findings:	38.000 MG/L
Sample Collected: Chemical:	04/04/1996 MAGNESIUM	Findings:	31.000 MG/L
Sample Collected: Chemical:	04/04/1996 SODIUM	Findings:	59.000 MG/L
Sample Collected: Chemical:	04/04/1996 POTASSIUM	Findings:	5.800 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical	04/04/1985 CHLORIDE	Findings:	44.000 MG/L
Sample Collected: Chemical	04/04/1985 IRON	Findings:	1,010.000 UG/L
Sample Collected: Chemical	04/04/1985 MANGANESE	Findings:	100.000 UG/L
Sample Collected: Chemical	04/04/1985 TOTAL DISSOLVED SOLIDS	Findings:	350.000 MG/L
Sample Collected: Chemical	04/04/1985 TURBIDITY (LAB)	Findings:	270 NTU

SW
NW
1/2 - 1 Mile
Higher

(14 WELLS) M158

Water System Information:

Prime Station Code:	11S/01W-12P01 M	User ID:	MBN
FRDS Number:	4410017007	County:	Santa Cruz
District Number:	25	Station Type:	WELL/AMBIENT/AL VINTAGE
Water Type:	Well/Groundwater	Well Status:	Active/Raw
Source Lat/Long:	365903.0 121 58 16.0	Precision:	1,000 Feet (+/- 5 Seconds)
Source Name:	ESTATES WELL		
System Number:	4410017		
System Name:	Soquel Creek Water District		
Organization That Operates System:	P O BOX 1666 SOQUEL, CA 95073		
Pop Served:	38160	Connections:	12620
Area Served:	SOQUEL APTOS		

Sample Information: * Only Elements Above Detection Level Are Listed

Sample Collected: Chemical	05/31/1985 SPECIFIC CONDUCTANCE	Findings:	530.000 UMHO
Sample Collected: Chemical	05/31/1985 PH (LABORATORY)	Findings:	7.300
Sample Collected: Chemical	05/31/1985 BICARBONATE ALKALINITY	Findings:	305.000 MG/L
Sample Collected: Chemical	05/31/1985 TOTAL HARDNESS (AS CACO3)	Findings:	215.000 MG/L
Sample Collected: Chemical	05/31/1985 CALCIUM	Findings:	50.000 MG/L
Sample Collected: Chemical	05/31/1985 MAGNESIUM	Findings:	18.000 MG/L
Sample Collected: Chemical	05/31/1985 SODIUM	Findings:	55.000 MG/L
Sample Collected: Chemical	05/31/1985 POTASSIUM	Findings:	1.200 MG/L
Sample Collected: Chemical	05/31/1985 CHLORIDE	Findings:	41.000 MG/L
Sample Collected: Chemical	05/31/1985 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.350 MG/L
Sample Collected: Chemical	05/31/1985 LEAD	Findings:	100.000 UG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical	05/31/1985 TOTAL DISSOLVED SOLIDS	Findings:	400.000 MG/L
Sample Collected: Chemical	05/31/1985 MERCURY	Findings:	130.000 UG/L
Sample Collected: Chemical	04/18/1985 COLOR	Findings:	2.000 UNITS
Sample Collected: Chemical	04/18/1985 ODOR THRESHOLD @ 60 C	Findings:	2.000 TON
Sample Collected: Chemical	04/18/1985 SPECIFIC CONDUCTANCE	Findings:	670.000 UMHO
Sample Collected: Chemical	04/18/1985 PH (LABORATORY)	Findings:	5.000
Sample Collected: Chemical	04/18/1985 BICARBONATE ALKALINITY	Findings:	225.000 MG/L
Sample Collected: Chemical	04/18/1985 TOTAL HARDNESS (AS CACO3)	Findings:	270.000 MG/L
Sample Collected: Chemical	04/18/1985 CALCIUM	Findings:	65.000 MG/L
Sample Collected: Chemical	04/18/1985 MAGNESIUM	Findings:	33.000 MG/L
Sample Collected: Chemical	04/18/1985 SODIUM	Findings:	51.000 MG/L
Sample Collected: Chemical	04/18/1985 POTASSIUM	Findings:	2.200 MG/L
Sample Collected: Chemical	04/18/1985 CHLORIDE	Findings:	56.000 MG/L
Sample Collected: Chemical	04/18/1985 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.200 MG/L
Sample Collected: Chemical	04/18/1985 IRON	Findings:	720.000 UG/L
Sample Collected: Chemical	04/18/1985 MANGANESE	Findings:	50.000 UG/L
Sample Collected: Chemical	04/18/1985 TOTAL DISSOLVED SOLIDS	Findings:	428.000 MG/L
Sample Collected: Chemical	04/18/1985 TURBIDITY (LAB)	Findings:	70.000 NTU
Sample Collected: Chemical	04/08/1987 COLOR	Findings:	2.000 UNITS
Sample Collected: Chemical	04/08/1987 ODOR THRESHOLD @ 60 C	Findings:	2.000 TON
Sample Collected: Chemical	04/08/1987 SPECIFIC CONDUCTANCE	Findings:	708.000 UMHO
Sample Collected: Chemical	04/08/1987 PH (LABORATORY)	Findings:	7.300
Sample Collected: Chemical	04/08/1987 TOTAL ALKALINITY (AS CACO3)	Findings:	280.000 MG/L
Sample Collected: Chemical	04/08/1987 BICARBONATE ALKALINITY	Findings:	345.000 MG/L
Sample Collected: Chemical	04/08/1987 TOTAL HARDNESS (AS CACO3)	Findings:	255.000 MG/L

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/09/1987 CALCIUM	Findings	43.000 MG/L
Sample Collected: Chemical:	04/09/1987 MAGNESIUM	Findings	23.000 MG/L
Sample Collected: Chemical:	04/09/1987 SODIUM	Findings	11.000 MG/L
Sample Collected: Chemical:	04/09/1987 POTASSIUM	Findings	8.410 MG/L
Sample Collected: Chemical:	04/09/1987 CHLORIDE	Findings	43.000 MG/L
Sample Collected: Chemical:	04/09/1987 FLUORIDE (TEMPERATURE DEPENDENT)	Findings	.300 MG/L
Sample Collected: Chemical:	04/09/1987 IRON	Findings	240.000 UG/L
Sample Collected: Chemical:	04/09/1987 MANGANESE	Findings	150.000 UG/L
Sample Collected: Chemical:	04/09/1987 GROSS BETA	Findings	43.000 PCI/L
Sample Collected: Chemical:	04/09/1987 DIBROMOCHLOROMETHANE	Findings	.250 UG/L
Sample Collected: Chemical:	04/09/1987 TOTAL DISSOLVED SOLIDS	Findings	645.000 MG/L
Sample Collected: Chemical:	04/09/1987 TURBIDITY (LAB)	Findings	810 NTU
Sample Collected: Chemical:	04/25/1988 COLOR	Findings	0.000 UNITS
Sample Collected: Chemical:	04/25/1988 SPECIFIC CONDUCTANCE	Findings	770.000 UMHO
Sample Collected: Chemical:	04/25/1988 PH (LABORATORY)	Findings	7.492
Sample Collected: Chemical:	04/25/1988 TOTAL ALKALINITY (AS CACO3)	Findings	15.000 MG/L
Sample Collected: Chemical:	04/25/1988 BICARBONATE ALKALINITY	Findings	15.000 MG/L
Sample Collected: Chemical:	04/25/1988 TOTAL HARDNESS (AS CACO3)	Findings	228.000 MG/L
Sample Collected: Chemical:	04/25/1988 CALCIUM	Findings	75.000 MG/L
Sample Collected: Chemical:	04/25/1988 MAGNESIUM	Findings	14.000 MG/L
Sample Collected: Chemical:	04/25/1988 SODIUM	Findings	65.000 MG/L
Sample Collected: Chemical:	04/25/1988 POTASSIUM	Findings	6.400 MG/L
Sample Collected: Chemical:	04/25/1988 CHLORIDE	Findings	44.000 MG/L
Sample Collected: Chemical:	04/25/1988 FLUORIDE (TEMPERATURE DEPENDENT)	Findings	.270 MG/L
Sample Collected: Chemical:	04/25/1988 IRON	Findings	320.000 UG/L

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/25/1988 MANGANESE	Findings	140.000 UG/L
Sample Collected: Chemical:	04/25/1988 TOTAL DISSOLVED SOLIDS	Findings	500.000 MG/L
Sample Collected: Chemical:	04/25/1988 TURBIDITY (LAB)	Findings	210 NTU
Sample Collected: Chemical:	04/18/1988 COLOR	Findings	1.000 UNITS
Sample Collected: Chemical:	04/18/1988 COLOR THRESHOLD @ 50 C	Findings	3.000 TCU
Sample Collected: Chemical:	04/18/1988 SPECIFIC CONDUCTANCE	Findings	530.000 UMHO
Sample Collected: Chemical:	04/18/1988 PH (LABORATORY)	Findings	7.400
Sample Collected: Chemical:	04/18/1988 TOTAL ALKALINITY (AS CACO3)	Findings	260.000 MG/L
Sample Collected: Chemical:	04/18/1988 BICARBONATE ALKALINITY	Findings	260.000 MG/L
Sample Collected: Chemical:	04/18/1988 TOTAL HARDNESS (AS CACO3)	Findings	240.000 MG/L
Sample Collected: Chemical:	04/18/1988 CALCIUM	Findings	74.000 MG/L
Sample Collected: Chemical:	04/18/1988 MAGNESIUM	Findings	18.000 MG/L
Sample Collected: Chemical:	04/18/1988 SODIUM	Findings	62.000 MG/L
Sample Collected: Chemical:	04/18/1988 POTASSIUM	Findings	4.800 MG/L
Sample Collected: Chemical:	04/18/1988 CHLORIDE	Findings	50.000 MG/L
Sample Collected: Chemical:	04/18/1988 FLUORIDE (TEMPERATURE DEPENDENT)	Findings	.300 MG/L
Sample Collected: Chemical:	04/18/1988 GROSS ALPHA COUNTING ERROR	Findings	6.100 PCI/L
Sample Collected: Chemical:	04/18/1988 GROSS BETA COUNTING ERROR	Findings	4.100 PCI/L
Sample Collected: Chemical:	04/18/1988 TOTAL DISSOLVED SOLIDS	Findings	450.000 MG/L
Sample Collected: Chemical:	04/18/1988 TURBIDITY (LAB)	Findings	120 NTU
Sample Collected: Chemical:	11/07/1988 GROSS ALPHA COUNTING ERROR	Findings	2.200 PCI/L
Sample Collected: Chemical:	04/28/1992 SPECIFIC CONDUCTANCE	Findings	720.000 UMHO
Sample Collected: Chemical:	04/28/1992 PH (LABORATORY)	Findings	7.300
Sample Collected: Chemical:	04/28/1992 TOTAL ALKALINITY (AS CACO3)	Findings	240.000 MG/L
Sample Collected: Chemical:	04/28/1992 BICARBONATE ALKALINITY	Findings	240.000 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	04/28/1992 TOTAL HARDNESS (AS CACO3)	Findings:	240.000 MG/L
Sample Collected: Chemical:	04/28/1992 CALCIUM	Findings:	60.000 MG/L
Sample Collected: Chemical:	04/28/1992 MAGNESIUM	Findings:	17.000 MG/L
Sample Collected: Chemical:	04/28/1992 SODIUM	Findings:	32.000 MG/L
Sample Collected: Chemical:	04/28/1992 POTASSIUM	Findings:	0.300 MG/L
Sample Collected: Chemical:	04/28/1992 CHLORIDE	Findings:	40.000 MG/L
Sample Collected: Chemical:	04/28/1992 FLUORIDE (TEMPERATURE DEPENDENT)	Findings:	.300 MG/L
Sample Collected: Chemical:	04/28/1992 GROSS ALPHA	Findings:	1.000 PCI/L
Sample Collected: Chemical:	04/28/1992 GROSS ALPHA COUNTING ERROR	Findings:	3.000 PCI/L
Sample Collected: Chemical:	04/28/1992 TOTAL DISSOLVED SOLIDS	Findings:	450.000 MG/L
Sample Collected: Chemical:	04/28/1992 TURBIDITY (LAB)	Findings:	[illegible] NTU
Sample Collected: Chemical:	08/23/1994 GROSS ALPHA COUNTING ERROR	Findings:	3.500 PCI/L
Sample Collected: Chemical:	08/23/1994 GROSS BETA	Findings:	12.000 PCI/L
Sample Collected: Chemical:	08/23/1994 GROSS BETA COUNTING ERROR	Findings:	4.200 PCI/L
Sample Collected: Chemical:	11/01/1994 GROSS ALPHA COUNTING ERROR	Findings:	2.800 PCI/L
Sample Collected: Chemical:	02/10/1995 GROSS ALPHA COUNTING ERROR	Findings:	5.200 PCI/L
Sample Collected: Chemical:	02/10/1995 GROSS BETA	Findings:	10.000 PCI/L
Sample Collected: Chemical:	02/10/1995 GROSS BETA COUNTING ERROR	Findings:	5.400 PCI/L
Sample Collected: Chemical:	03/28/1995 SPECIFIC CONDUCTANCE	Findings:	[illegible] UMHO
Sample Collected: Chemical:	03/28/1995 PH (LABORATORY)	Findings:	7.800
Sample Collected: Chemical:	03/28/1995 BICARBONATE ALKALINITY	Findings:	200.000 MG/L
Sample Collected: Chemical:	03/28/1995 TOTAL HARDNESS (AS CACO3)	Findings:	230.000 MG/L
Sample Collected: Chemical:	03/28/1995 CALCIUM	Findings:	55.000 MG/L
Sample Collected: Chemical:	03/28/1995 MAGNESIUM	Findings:	10.000 MG/L
Sample Collected: Chemical:	03/28/1995 SODIUM	Findings:	31.000 MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: Chemical:	03/28/1995 POTASSIUM	Findings:	1.200 MG/L
Sample Collected: Chemical:	03/28/1995 CHLORIDE	Findings:	42.000 MG/L
Sample Collected: Chemical:	03/28/1995 GROSS ALPHA	Findings:	3.200 PCI/L
Sample Collected: Chemical:	03/28/1995 GROSS ALPHA COUNTING ERROR	Findings:	2.800 PCI/L
Sample Collected: Chemical:	03/28/1995 TOTAL DISSOLVED SOLIDS	Findings:	450.000 MG/L
Sample Collected: Chemical:	03/28/1995 TURBIDITY (LAB)	Findings:	180 NTU

D19
NW
1/2 - 1 Mile
Higher

DA WELLS 22532

Water System Information:

Prime Station Code:	E44/017-TR1 DEST	User ID:	HEN
FRDS Number:	44100[illegible]7008	County:	Santa Cruz
District Number:	06	Station Type:	STREAM/AMBIENT/NUMINTAKE
Water Type:	Water/Groundwater	Well Status:	Active Treated
Source Latitude:	385008.0 121551.0	Precision:	100 Feet (one Second)
Source Name:	ESTATES WTP - TREATED		
System Number:	4410017		
System Name:	Soquel Creek Water District		
Organization That Operates System:	PO BOX 150 SOQUEL, CA 95073		
Pop Served:	33460	Connections:	12820
Area Served:	SOQUEL AFTOG		

20
East
1 - 2 Miles
Higher

Site ID:	240		
Groundwater Flow:	NW		
Shallow Water Depth:	8.83'		
Deep Water Depth:	11.4'		
Average Water Depth:	not Reported		
Date:	02/17/1999		

AQUIFLOW 01038

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SANTA CRUZ County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95003

Number of sites tested: 1

Area	Average Activity	% < 4 pCi/L	% 4-20 pCi/L	% > 20 pCi/L
Living Area - 1st Floor	0.850 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1998 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as mapped by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2001 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW® Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general vector of groundwater flow at specific points. EDR has reviewed reports which use groundwater models, contain at least three wells, and have enough data to calculate hydraulic gradient and groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Stamm, H.E. Arndt and W.J. Stearns, Geology of the Conterminous U.S. at 1:2,500,000 Scale: A Digital Representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994)

STATSGO: State Soil Geographic Database
The U.S. Department of Agriculture (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1991, the United States Geological Survey (USGS) implemented a nationwide water resource information delivery system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 800,000 wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916/324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. Approximately over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations for District 2, 3, 5 and 8
Source: Department of Conservation
Telephone: 916-323-1779

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United States Geological Survey. Additional information is so from 1975 regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

2100

201 STATE PARK DR, APT, SEACLIFF STATE BEACH, SITE MIT

Fuel Leak Site

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY: [ ] YES [X] NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? [ ] YES [X] NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED [signature] DATE 2-23-00

REPORT DATE: 02 16 00
CASE #:

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: JACK R KIRCHNER
PHONE: (831) 429-2865
SIGNATURE: [signature]

REPRESENTING: [ ] OWNER/OPERATOR [ ] REGIONAL BOARD [X] LOCAL AGENCY [ ] OTHER

COMPANY OR AGENCY NAME: STATE OF CAL. PARKS & RECREATION

ADDRESS: 600 OCEAN ST CITY SANTA CRUZ STATE CA ZIP 95060

RECEIVED FEB 18 2000 ENVIRONMENTAL HEALTH SERVICES

RESPONSIBLE PARTY

NAME: [ ] UNKNOWN
CONTACT PERSON:
PHONE: ( )
ADDRESS: STREET CITY STATE ZIP

SITE LOCATION

FACILITY NAME (IF APPLICABLE): SEACLIFF STATE BEACH
OPERATOR:
PHONE: ( )
ADDRESS: STATE PARK DR STREET APTOS CITY CA COUNTY SC ZIP 95003
CROSS STREET: CENTER

IMPLEMENTING AGENCIES

LOCAL AGENCY: AGENCY NAME:
CONTACT PERSON:
PHONE: ( )
REGIONAL BOARD:
PHONE: ( )

SUBSTANCES INVOLVED

(1) NAME: DIESEL FUEL
QUANTITY LOST (GALLONS): [X] UNKNOWN
(2) UNLEADED GASOLINE [X] UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 02 00
HOW DISCOVERED: [ ] INVENTORY CONTROL [ ] SUBSURFACE MONITORING [ ] NUISANCE CONDITIONS [ ] TANK TEST [X] TANK REMOVAL [ ] OTHER
DATE DISCHARGE BEGAN: [X] UNKNOWN
HAS DISCHARGE BEEN STOPPED? [X] YES [ ] NO IF YES, DATE 02 00
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): [ ] REMOVE CONTENTS [X] CLOSE TANK & REMOVE [ ] REPAIR PIPING [ ] REPAIR TANK [ ] CLOSE TANK & FILL IN PLACE [ ] CHANGE PROCEDURE [ ] REPLACE TANK [ ] OTHER

SOURCE/CAUSE

SOURCE OF DISCHARGE: [ ] TANK LEAK [ ] UNKNOWN [X] PIPING LEAK [ ] OTHER
CAUSE(S): [ ] OVERFILL [ ] RUPTURE/FAILURE [ ] SPILL [ ] CORROSION [X] UNKNOWN [ ] OTHER

CASE TYPE

CHECK ONE ONLY: [X] UNDETERMINED [ ] SOIL ONLY [ ] GROUNDWATER [ ] DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY: [X] NO ACTION TAKEN [ ] LEAK BEING CONFIRMED [ ] REMEDIATION PLAN [ ] PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED [ ] PRELIMINARY SITE ASSESSMENT UNDERWAY [ ] CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) [ ] POLLUTION CHARACTERIZATION [ ] POST CLEANUP MONITORING IN PROGRESS [ ] CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (REASON FOR DETAILS): [ ] CAP SITE (CD) [ ] CONTAINMENT BARRIER (CB) [ ] VACUUM EXTRACT (VE) [ ] EXCAVATE & DISPOSE (ED) [ ] EXCAVATE & TREAT (ET) [ ] NO ACTION REQUIRED (NA) [X] OTHER (OT) SEE COMMENTS. [ ] REMOVE FREE PRODUCT (RP) [ ] PUMP & TREAT GROUNDWATER (GT) [ ] TREATMENT AT HOOKUP (HU) [ ] ENHANCED BIO DEGRADATION (IT) [ ] REPLACE SUPPLY (RS) [ ] VENT SOIL (VS)

COMMENTS

SEEKING ADVICE FROM DEPARTMENT HEADQUARTERS ON HOW TO PROCEED.

County of Santa Cruz

HEALTH SERVICES AGENCY

701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060-4073

(831) 454-2022 FAX: (831) 454-3128 TDD: (831) 454-4123

ENVIRONMENTAL HEALTH

February 8, 2000

Mr. Jack Kirschner
Seacliff State Beach
600 Ocean Street
Santa Cruz, CA 95060

RE: Unauthorized Underground Tank Release (Leak) at Seacliff State Beach, State Park Drive

Dear Mr. Kirschner:

Soil analysis data from samples collected on December 10, 1999, indicate that contamination above acceptable levels is present requiring completion of a site investigation. Therefore, you are hereby directed to take the following actions:

1. Complete and submit to Santa Cruz County Environmental Health Service (EHS) the form: "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report". This report must be filed with EHS within five days from the date of this letter. Please find a blank form enclosed.

2. Obtain professional services from a reputable engineering/consulting firm with expertise in hazardous materials contamination site investigations. All required reports shall be prepared by a registered engineer, geologist, or certified engineering geologist.

The responsibility of your consultant is to establish the extent of contamination and provide professional judgment/recommendations, based on scientific data, of the remedial actions needed. General requirements for a site investigation are attached for your use. A work plan and a time schedule for investigation shall be submitted to Environmental Health Service within 30 days from the date of this letter. Please note that per County Code you will be billed for our time spent in oversight of this project.

Should you have any questions, please contact this office at (831) 454-2759, 8:00 a.m. to 9:30 a.m., Monday through Friday.

Sincerely,

JOSE J. DE ANDA, R.E.H.S.
Senior Environmental Health Specialist

JJD:lv

Enclosure: Leak Investigation Guidelines
Leak Report Form

County of Santa Cruz

HEALTH SERVICES AGENCY

701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060-4073
(831) 454-2022 FAX: (831) 454-3128 TDD: (831) 454-4123

ENVIRONMENTAL HEALTH

REPORT OF AN ILLEGAL OR THREATENED ILLEGAL DISCHARGE OF HAZARDOUS WASTE WHICH MAY CAUSE SUBSTANTIAL INJURY

DATE: 1-22-00

TO: Clerk of the Board of Supervisors
Health Officer

This report (see other side) is submitted pursuant to Health and Safety Code Section 25180.7. The report documents information regarding the illegal discharge (or threatened illegal discharge) of hazardous waste, which could cause substantial injury to the public health and safety. The report is submitted on behalf of all designated employees of the Environmental Health Service of the Health Services Agency.

Name/Signature

Environmental Health Specialist
Title

cc: CAO
District Attorney's Office
Director of Environmental Health

EHS-95
Rev. 3/99

NOTIFICATION OF HAZARDOUS WASTE DISCHARGE

1. Date/Time report received 1-22-00 / 2:30 2. BOS Area 2 3. File No. _____
   Date/Time follow-up 1-22-00 / 2:30
4. Source of information: ☐ Complaint ☑ Underground Tank Leak ☐ Referral ☐ Inspection ☐ Self Reported
   ☐ Other _____
5. Location of Discharge: Site Name: Seacliff St. Beach
   Address: 201 State Park Dr.
   City: Aptos, Ca. County Santa Cruz
   Phone at site: (831) 429-2865
6. Person/Company responsible: Name: Dept of General Services/Court Clerks
   Address: 1300 I St. Suite 700
   City: Sacramento, Ca. 95814
   Phone: ( ) _____
7. Type of discharge: ☐ Emergency-Occupational Related Exposure ☐ Threatened Discharge
   ☑ Container Leakage ☐ Fire ☐ Process Spill/Leak ☐ Abandoned/Unknown
   ☐ Non-Emergency ☐ Other _____
8. Hazardous Material discharged: ☑ Known ☐ Suspected
   If known complete the following:
   a. Chemical Name Mixed Hydrocarbons Gasoline & Diesel
   b. Estimated quantity discharged Unk. Quantity threatened to be released None
      Comments Storage Containers have been removed
   c. Physical Description: ☐ Solid ☐ Powder ☐ Granule ☐ Liquid ☐ Gas
   d. Hazardous Properties: ☐ Corrosive ☑ Ignitable ☐ Reactive ☐ Toxic ☐ Radioactive ☐ Infectious
      ☐ Other _____
9. Health effects (Human) Chemical Exposure: ☐ Yes ☐ No ☑ Unknown
   Number of persons exposed _____
   Injury ☐ Yes ☑ No Illness ☐ Yes ☑ No Medical attention ☐ Yes ☑ No Hospitalized ☐ Yes ☑ No
   Potential Adverse Health Effects ☐ Yes ☑ No
   Comments: Surface Discharge
   Threat to Environment/Wildlife ☐ Yes ☑ No Explain Surface Discharge
10. Locale: ☑ Residential ☐ Commercial ☑ Open Space ☑ Public Property ☐ Private Property
11. Does further action need to be taken? ☑ Yes ☐ No Explain Site Assessment, Possible Cleanup
12. Is Discharge/threatened discharge likely to cause substantial injury to the Public Health or Safety?
    ☐ Yes ☐ No ☑ Unknown

Illegal discharges or threatened illegal discharges of a hazardous waste that are likely to cause substantial injury to the public health or safety are to be reported pursuant to Section 25180.7 of the California Health and Safety Code. This report is based upon the best available information at the time the report was submitted. Information received for this report may have not been verified due to time constraints.

Date of Report 1-22-00

Signature [signature]

EHS-95 (REV. 3/99)

PARADISO MECHANICAL, INC.
GENERAL & PETROLEUM CONTRACTORS
2600 Williams Street, P.O. Box 1836
San Leandro, CA 94577
(510) 614-8390 FAX (510) 614-8396
Contractors License #677909

RECEIVED
JAN 6 2000
ENVIRONMENTAL HEALTH SERVICES

LETTER OF TRANSMITTAL

TO: COUNTY OF SANTA CRUZ
HEALTH SERVICES AGENCY
ENVIRONMENTAL HEALTH SERVICE

701 OCEAN STREET, ROOM 312

SANTA CRUZ, CA 95060

DATE 1/4/00 | JOB #

ATTN: MR. JOSE J. DE ANDA

RE: SEACLIFF STATE BEACH

WE ARE SENDING YOU ☒ Attached ☐ Under Separate Cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Sample ☐ Specifications
☐ Copy of Letter ☐ Change Order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			REPORT OF SOIL SAMPLING DURING TANK REMOVAL @ SEACLIFF STATE BEACH, STATE BEACH DRIVE, APTOS, CALIFORNIA.

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit ____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit ____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return ____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____, 19___ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

SIGNED: Evelyn R. Villareal

geo - logic geotechnical and environmental consulting services
1140 - 5th Avenue, Crockett, CA 94525 (510) 787-6867 - Fax (510) 787-1457

RECEIVED
JAN 0 5 2000
ENVIRONMENTAL HEALTH SERVICES

December 22, 1999
Paradiso Job No.99- 554

Paradiso Mechanical, Inc.
P. O. Box 1836
2600 Williams Street
San Leandro, California 94577

Attention: Mr. Bob Corsun

RE: Report of Soil Sampling during Tank Removal
Seacliff State Beach
State Beach Drive
Aptos, California

Mr. Corsun:

This report summarizes the results of soil sampling performed by Geo-Logic at the referenced site. All work was performed in compliance with the guidelines established by the Regional Water Quality Control Board and the County of Santa Cruz Environmental Health Service (SCEHS).

The scope of the work performed by Geo-Logic consisted of the following:

Coordination with the regulatory agencies;

Collection of soil samples from beneath two underground fuel tanks and from beneath two fuel dispenser locations,

Collection of a composite stockpile soil sample,

Delivery of soil samples with properly executed Chain of Custody documentation to a certified analytical laboratory, and

Technical review of data and preparation of this report.

SITE DESCRIPTION

The subject site is a State Department of Parks and Recreation maintenance yard located at Seacliff State Beach in Aptos, California, as shown on Figure F-2. At the maintenance yard, a 550-gallon gasoline tank and a 250-gallon diesel fuel tank were located in a common tank pit, at the location shown on Figure F-4. The tank pit is underlain by two separate concrete pads, at approximately 9

feet and feet below grade for the gas tank and diesel tank, respectively. An area approximately two feet wide of native soil was exposed between the two concrete pads. Two fuel dispensers were located aboveground, adjacent to the tank locations.

FIELD ACTIVITIES

Geo-Logic's work at the site was conducted on December 10, 1999, when both of the fuel tanks were removed from the site. The tanks were made of single-wall steel and appeared to be in good condition. Mr. Jose J. De Anda of the SCEHS witnessed the removal of the tanks and the subsequent soil sampling. Soil samples were collected from beneath the ends of each tank where the fill port was located. The sample taken from beneath the fill end of the gasoline tank, labeled Gas tank (9'), was collected from the exposed soil area between the concrete pads underlying the two tanks, at approximately 9 feet below grade. The sample taken from the fill end of the diesel tank, labeled Diesel tank (7'), were taken from the sidewall of the excavation at approximately 7 feet below grade, due to the presence of the concrete pad beneath the tank. The two tank pit samples were taken from bulk material excavated by backhoe. Two samples, labeled Gas disp. (3') and Diesel disp. (3'), were taken by hand-driving sample tubes directly into the subsurface soils at approximately 3 feet below grade, at locations underlying each of the two fuel dispenser locations. A four-part composite stockpile sample, labeled Comp S1, was taken by hand-driving sample tubes at various locations approximately 1-foot within the soil stockpile.

The samples were each placed in clean, two-inch diameter brass tubes, sealed with teflon and plastic caps, and stored in a cooled ice chest for delivery to a certified laboratory. Sample locations are shown on Figure 1.

SUBSURFACE CONDITIONS

The native soils encountered in the sidewalls and bottom of the excavation consisted of relatively fine-grained brown sand. The tank pit backfill material also consisted of brown sand. Groundwater was not encountered in the excavation.

ANALYTICAL RESULTS

The samples were analyzed by McCampbell Analytical in Pacheco, California, and were accompanied by properly executed Chain of Custody documentation. The samples were analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline and TPH as diesel by EPA method 5030/modified 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8020. The composite stockpile soil sample was also analyzed for total lead.

The results of the soil analyses are summarized in Table 1. Copies of the laboratory analyses and the Chain of Custody documentation are attached to this report.

DISTRIBUTION

A copy of this report should be sent to Mr. Jose J. De Anda of the SCEHS.

LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state certified laboratory. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

Should you have any questions regarding this report, please feel free to call me at (510) 787-6867.

Sincerely,

Geo-Logic

Joel G. Greger, C.E.G.
Certified Engineering Geologist

License No. EG 1633
Exp. Date 8/31/2000

REGISTERED GEOLOGIST
JOEL G. GREGER
No. EG 1633
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

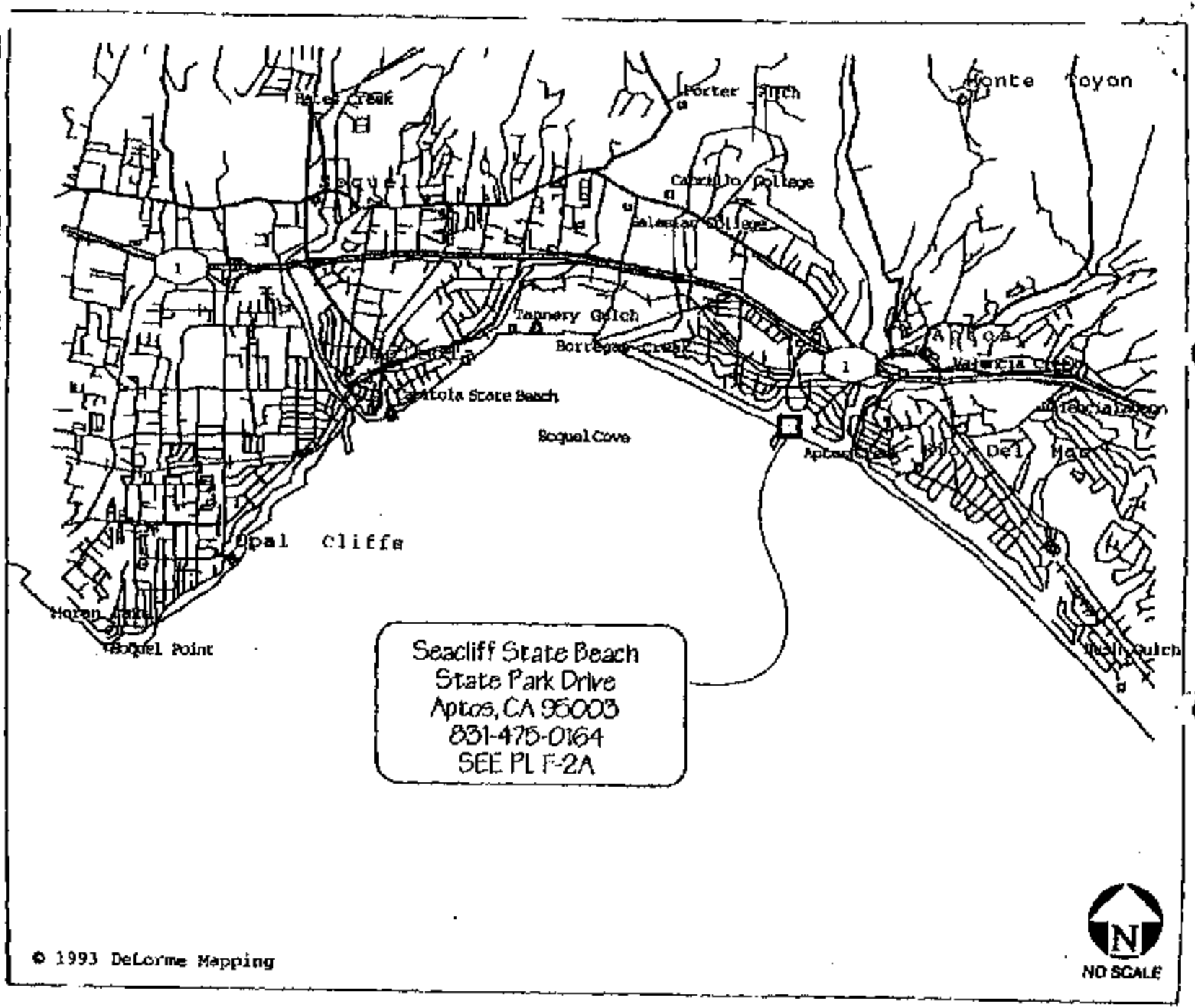
Attachments: Table 1 – Summary of Laboratory Analyses - Soil
Figure F-2 - Vicinity Map
Figure F-4 - Demolition Plan
Figure 1 – Site Plan
Laboratory Analyses and Chain of Custody

TABLE 1 - SOIL CHEMICAL ANALYTICAL DATA
Seacliff State Beach
State Beach Drive
Aptos, California

Sample Location/ depth	TPH-D	TPH-g (ppm)	Benzene (ppm)	Ethyl - benzene (ppm)	Toluene (ppm)	Xylenes (ppm)	MTBE (ppm)
			Collected on 12/10/99				
Gas Disp (3')	21	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
Diesel Disp (3')	5,700	92	<0.005	<0.005	0.01	<0.005	<0.05
Gas Tank	2,200	150	<0.005	0.008	0.022	<0.005	<0.05
Diesel Tank	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
Comp S1*	130	<1.0	<0.005	<0.005	<0.005	0.016	<0.05

EXPLANATION:
feet = feet below ground surface
ppm = parts per million
ND = nondetectable, NA = not analyzed

Footnotes:
* Total Lead was detected at a concentration of 11 ppm.



Real Estate Services Division

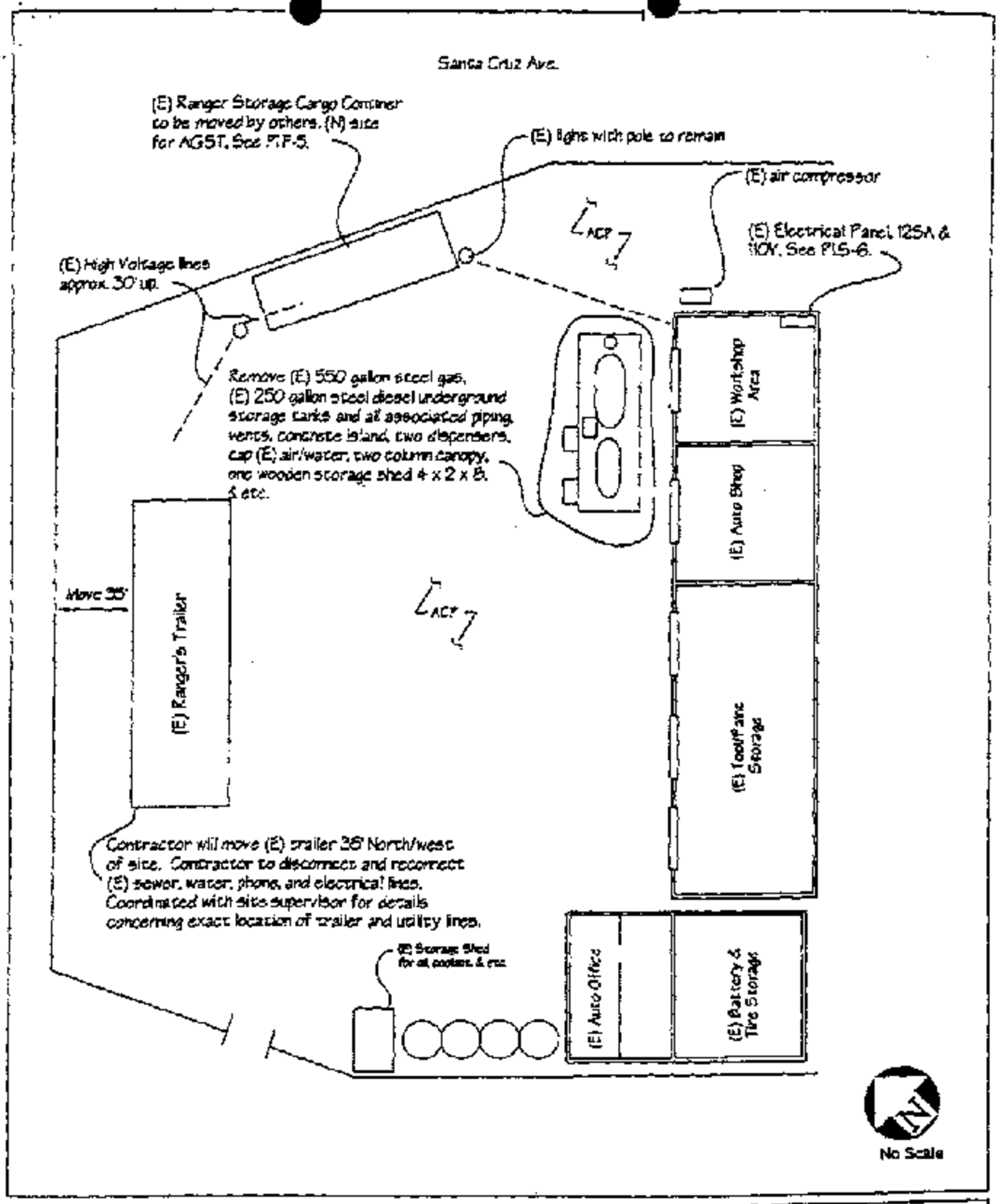
ABOVEGROUND FUEL TANK REPLACEMENT
DEPARTMENT OF PARKS & RECREATION

VICINITY MAP

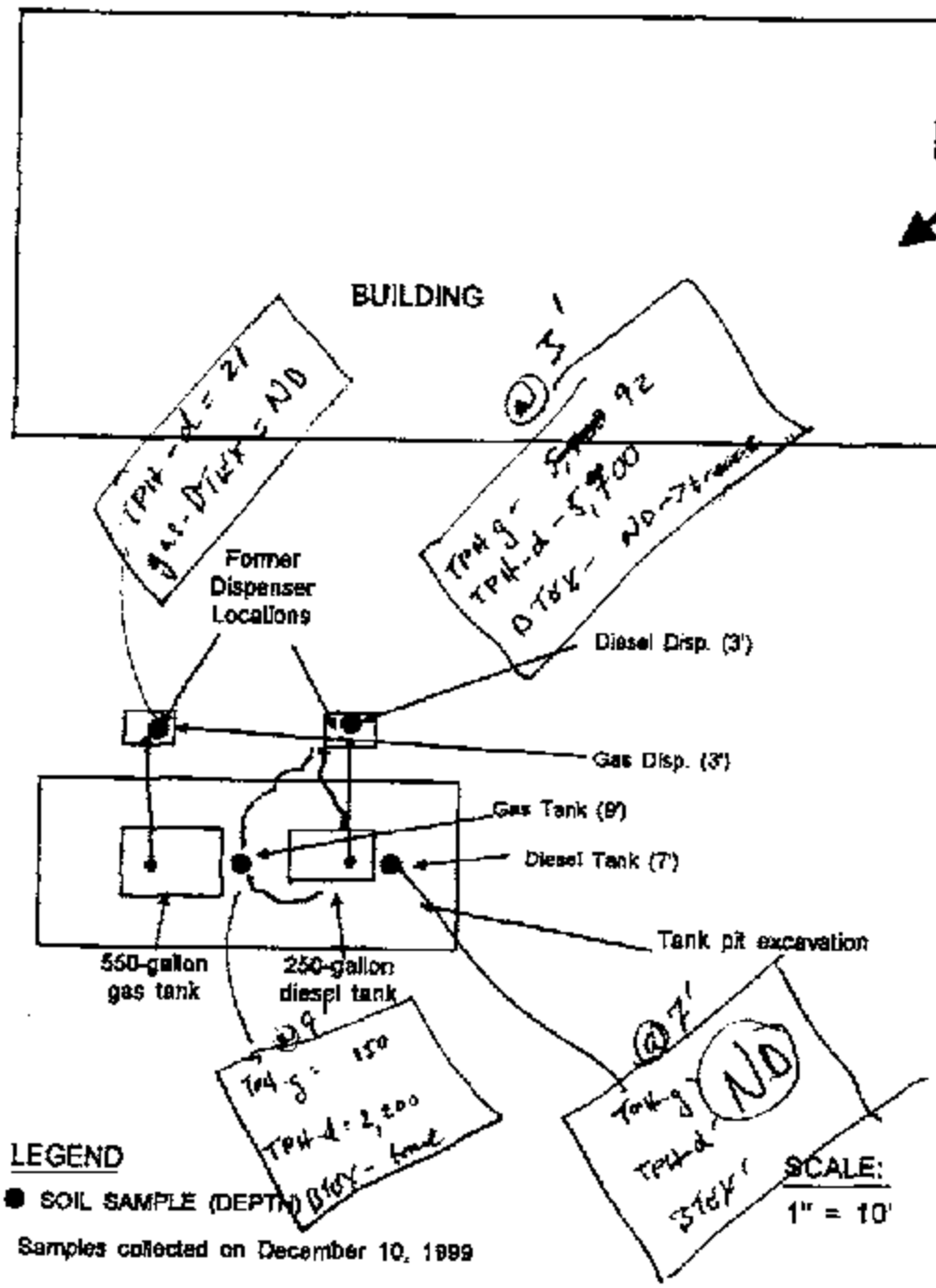
SEACLIFF STATE BEACH

W.O. #106519

F-2



State of California Department of General Services **Real Estate Services Division** Professional Services Branch Design Services Section 1300 I Street, Suite 800 Sacramento, California 95814	ABOVEGROUND FUEL TANK REPLACEMENT DEPARTMENT OF PARKS & RECREATION	DEMOLITION SEACLIFF STATE BEACH W.O. # 105519	F-4



Seacliff State Beach State Park Drive Aptos, CA	Figure No: 1	Date: 12/13/99 Drawn By: JG/Geo-Logic

Site Plan

COUNTY OF SANTA CRUZ • ENVIRONMENTAL HEALTH SERVICE • 701 OCEAN ST., RM. 312 • (408) 454-2022

OFFICIAL INSPECTION REPORT

DBA/NAME Sea Cliff State Beach	DATE 10/24/01
ADDRESS 201 State Park Dr	RECHECK DATE
OWNER/OPERATOR	PERMIT # FA 2856

HAZARDOUS WASTE MANAGEMENT

GENERAL

- ☐ 42. Waste Determination
- ☐ 43. EPA#
- ☐ 44. Treatment/Disposal
- ☐ 45. Storage Over 90 Days
- ☐ 46. Labeled
- ☐ 47. Container Condition
- ☐ 48. Secondary Containment
- ☐ 49. Incompatibles
- ☐ 50. Co-Mingling
- ☐ 51. Container Handling
- ☐ 52. Security
- ☐ 53. Warning Signs

DISPOSAL

- ☐ 54. Property Line
- ☐ 55. Manifests
- ☐ 56. Extremely Haz Waste
- ☐ 57. Packaging
- ☐ 58. Disposal/Approved Facility
- ☐ 59. Licensed Hauler

RECORDS

- ☐ 60. Manifests Available
- ☐ 61. Annual Reports
- ☐ 62. Maintenance
- ☐ 63. Emergency Response
- ☐ 64. Preparedness/Prevention

The marked items are violations of the Health & Safety Code and must be corrected as follows:

Violation corrected

A reinspection fee will be charged when violations noted are not corrected prior to the recheck date noted above

INSPECTOR: Rebecca Supple	RECEIVED BY: [signature]
PHONE # 454-2738	TITLE: PMS

HSA-559-3 (12/92)

Section I - RECEIVED DEC 16 1998 ENVIRONMENTAL HEALTH SERVICES

R. Supply 12/21/98 #002856

California Hazardous Materials Inventory Reporting Form - Business & Owner/Operator Identification Page

CALENDAR YEAR BEGINNING (1) | ENDING (2) | (3) PAGE 1 OF 19

BUSINESS NAME (4) SEACLIFF STATE BEACH | BUSINESS PHONE: (5) (831) 685-6446

SITE ADDRESS (6) 201 STATE PARK DRIVE

CITY (7) APTOS | STATE (8) CA | ZIP (9) 95003

DUN & BRADSTREET (10) | SIC CODE (4 DIGIT#) (11)

OPERATOR NAME (12) CALIFORNIA STATE PARKS | OPERATOR PHONE (13) (831) 429-2850

OWNER INFORMATION

OWNER NAME (14) CALIFORNIA STATE PARKS | OWNER PHONE (15) (831) 429-2850

OWNER MAILING ADDRESS (16) 600 OCEAN ST.

CITY (17) SANTA CRUZ | STATE (18) CA | ZIP (19) 95060

ENVIRONMENTAL CONTACT

CONTACT NAME (20) JIM PFLUGER | CONTACT PHONE (21) (831) 423-9709

MAILING ADDRESS (22) 1401 COAST ROAD / HWY # 1

CITY (23) SANTA CRUZ | STATE (24) CA | ZIP (25) 95060

EMERGENCY CONTACTS

Primary		Secondary	
NAME: (26)	JACK KIRCHNER	NAME: (31)	~~STEVE HAMMACK~~ Kirk Lingenfelter
TITLE: (27)	DISTRICT MAINTENANCE CHIEF	TITLE: (32)	PARK MAINTENANCE SUPERVISOR
BUSINESS PHONE: (28)	(831) 429-2850	BUSINESS PHONE: (33)	(831) 475-0164
24-HOUR PHONE: (29)	(831) 724-0107	24-HOUR PHONE: (34)	~~(831) 438-6873~~
PAGER #: (30)	N/A	PAGER #: (35)	N/A

ACUTELY HAZARDOUS MATERIALS (AHM)

ON SITE AHM (36) ☐ Yes ☒ No — If yes, and above Threshold Planning Quantities, attach a sheet of paper with a general description of the process and principal equipment.

ADDITIONAL LOCALLY COLLECTED INFORMATION

(37)

SEE THE REVERSE SIDE OF THIS PAGE

Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this inventory and believe the information is true, accurate, and complete.

Print Name of Document Preparer (38) JIM PFLUGER

Signature of Owner/Operator (39) [signature] | Date (40) 12-16-98

OES Form 2730(04/96)

SANTA CRUZ COUNTY
LOCALLY COLLECTED INFORMATION

(37) (A) NEAREST CROSS STREET: HWY #1

(B) ASSESSOR'S PARCEL NUMBER: 039-131-24, 039-541-01, 039-481-32 (C) FIRE DISTRICT: SOQUEL

(D) BUSINESS HOURS: 24 HOURS NUMBER OF SHIFTS: 3 NUMBER OF EMPLOYEES: 20

(E) IN CITY LIMITS: ☐ YES ☒ NO (F) COUNTY SUPERVISOR DISTRICT: W. SIMONS

(G) WATER DISTRICT: SOQUEL (H) DEPTH TO WATER TABLE: _____

(I) FLOOD ZONE: ☐ YES ☒ NO (J) EARTHQUAKE FAULTS: ☐ YES ☒ NO

(K) SURROUNDING GENERAL LAND USES WITHIN ONE MILE OF YOUR FACILITY (ZONING):

North: RESIDENTIAL

South: RESIDENTIAL

East: RESIDENTIAL

West: OCEAN

(L) SPECIAL LAND USES WITHIN ONE MILE OF YOUR FACILITY (SCHOOLS, HOSPITALS, INSTITUTIONS, etc.):

North: MAR VISTA SCHOOL, CABRILLO COLLEGE

South: RESIDENTIAL

East: RESIDENTIAL

West: OCEAN

I declare under penalty of perjury, the information contained herein is true and correct. If there is any change which would materially affect any information contained in this plan, I will notify Environmental Health Service and apply for an appropriate amendment to the plan as required by applicable County/City hazardous materials codes.

I agree to reimburse the County/City for all costs incurred by the County/City to remedy the effects of any unauthorized release.

I agree to indemnify, hold harmless and defend the County/City against any claim, cause of action, disability, loss, liability, damage, cost or expense, howsoever arising, which occurs by reason of an unauthorized discharge in connection with permittee's operations under this permit.

DATE: 12/3/98

JAMES R. PFLUGER	[signature]	PARK MAINTENANCE SUPV.
PRINT NAME - APPLICANT	SIGNATURE	TITLE
JACK R KIRCHNER	[signature]	PMC III
PRINT NAME - BUSINESS OWNER	SIGNATURE	TITLE

EHS-98ST (REV. 4/97)

3

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS MATERIALS

HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☒ ADD ☐ DELETE ☐ REVISE 200 Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): Seacliff State Beach 3

CHEMICAL LOCATION: Maintenance Yard 201

CHEMICAL LOCATION CONFIDENTIAL EPCRA: ☐ YES ☐ NO 202

FACILITY ID #: 44 0000 00285 6

MAP# (optional): 1 203

GRID# (optional): 3H-I 204

II. CHEMICAL INFORMATION

CHEMICAL NAME: Gasoline 206

TRADE SECRET: ☐ Yes ☒ No 208 (If Subject to EPCRA, refer to instructions)

COMMON NAME: 207

EHS*: ☐ Yes ☒ No 208

CAS#: 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (if required by CUPA): FL 210

HAZARDOUS MATERIAL TYPE (Check one item only): ☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE: ☐ Yes ☒ No 212

CURIES: 213

PHYSICAL STATE (Check one item only): ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER: 2000 215

FED HAZARD CATEGORIES (Check all that apply): ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT: 4000 217

MAXIMUM DAILY AMOUNT: 217

ANNUAL WASTE AMOUNT: 219

STATE WASTE CODE: 220

UNITS (Check one item only): ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221 (If EHS, amount may be in pounds.)

DAYS ON SITE: 365 222

STORAGE CONTAINER: ☒ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER 223

STORAGE PRESSURE: ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE: ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 226	227	☐ Yes ☐ No 228	229
2 230	231	☐ Yes ☐ No 232	233
234	235	☐ Yes ☐ No 236	237
238	239	☐ Yes ☐ No 240	241
242	243	☐ Yes ☐ No 244	245

If more hazardous component(s) are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here

UPCF (1/99)

OES Form 2731

A

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS MATERIALS

HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☒ ADD ☐ DELETE ☐ REVISE 200 Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): Seacliff State Beach 3

CHEMICAL LOCATION 201: Maintenance Yard

CHEMICAL LOCATION CONFIDENTIAL HPCRA 202: ☐ YES ☐ NO

FACILITY ID #: 44 [redacted] 000 [redacted] 0002856 1

MAP# (optional) 203:

GRID# (optional) 204: 7B

II. CHEMICAL INFORMATION

CHEMICAL NAME 205: Waste Oil

TRADE SECRET 206: ☐ Yes ☒ No (If Subject to HPCRA, refer to instructions)

COMMON NAME 207:

EHS* 208: ☐ Yes ☒ No

CAS# 209:

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (if applicable if required by CUPA) 210: COM

HAZARDOUS MATERIAL TYPE (Check one item only) 211: ☐ a. PURE ☐ b. MIXTURE ☒ c. WASTE

RADIOACTIVE 212: ☐ Yes ☒ No

CURIES 213:

PHYSICAL STATE (Check one item only) 214: ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

LARGEST CONTAINER 215: 55

FED HAZARD CATEGORIES (Check all that apply) 216: ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 217: 25

MAXIMUM DAILY AMOUNT 218: 55

ANNUAL WASTE AMOUNT 219:

STATE WASTE CODE 220: 221

UNITS (Check one item only) 221: ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS (If EHS, amount must be in pounds)

DAYS ON SITE 222: 365

STORAGE CONTAINER 223: ☐ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☒ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE 224: ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE 225: ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 226	227	☐ Yes ☐ No 228	229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If HPCRA, Please Site Here

UPCF (1/99)

OES Form 2731

Section II -

California Hazardous Materials Inventory Reporting Form - Chemical Description Page

☐ ADD ☐ DELETE ☐ REVISE

PAGE (2) 5 OF (3) 19

BUSINESS NAME (4) SEACLIFF STATE BEACH

CHEMICAL LOCATION (5) INTERPRETIVE CENTER

MAP# (6) 2 GRID# (7) H-3

CHEMICAL NAME (8) PROPANE

TRADE SECRET (11) ☐ Y ☐ N

COMMON NAME (9) PROPANE

EHS (12) ☐ Y ☐ N

CAS# (10) 74986

IF EHS BOX IS "Y" ALL AMOUNTS MUST BE IN LBS

FIRE CODE HAZARD CLASSES (13) FLA

TYPE (14) ☒ PURE ☐ MIXTURE ☐ WASTE

RADIOACTIVE (15) ☐ Y ☐ N (16) CURIES

PHYSICAL STATE (17) ☐ SOLID ☒ LIQUID ☐ GAS

FED HAZARD CATEGORIES (18) ☒ FIRE ☐ REACTIVE ☐ PRESSURE RELEASE ☐ ACUTE HEALTH ☐ CHRONIC HEALTH

STATE WASTE CODE (19)

UNITS (22) ☒ GAL ☐ CU FT ☐ LBS ☐ TONS

MAX DAILY AMT (23) 250 9000 cf

DAYS ON SITE (20) 365

IF EHS, amounts must be in lbs.

AVG DAILY AMT (24) 100 3600 cf

LARGEST CONTAINER (21) 250 9000 cf

ANNUAL WASTE AMT (25)

STORAGE CONTAINER (26)

☒ ABOVE GROUND TANK	☐ CAN	☐ BOX	☐ TANK WAGON
☐ UNDER GROUND TANK	☐ CARBOY	☐ CYLINDER	☐ RAIL CAR
☐ TANK INSIDE BUILDING	☐ SILO	☐ GLASS BOTTLE	☐ _____
☐ STEEL DRUM	☐ FIBER DRUM	☐ PLASTIC BOTTLE	
☐ PLASTIC/NONMETALLIC DRUM	☐ BAG	☐ TOTE BIN	

STORAGE PRESSURE (27) ☐ AMBIENT ☒ ABOVE AMBIENT ☐ BELOW AMBIENT

STORAGE TEMPERATURE (28) ☒ AMBIENT ☐ ABOVE AMBIENT ☐ BELOW AMBIENT ☐ CRYOGENIC

	(29) %WT	(30) HAZARDOUS COMPONENT	(31) EHS	(32) CAS#
1			☐ Y ☐ N	
2			☐ Y ☐ N	
3			☐ Y ☐ N	
4			☐ Y ☐ N	
5			☐ Y ☐ N	

(33) ADDITIONAL LOCALLY COLLECTED INFORMATION

If you have identified the chemical type as a "waste" (#14 above), please enter your CalEPA Waste Generator ID Number here: _____

If you need to obtain a CalEPA Waste Generator ID Number, you may do so by calling: (916) 324-1781.

Section II -

California Hazardous Materials Inventory Reporting Form - Chemical Description Page

☐ ADD ☐ DELETE ☐ REVISE

PAGE (2) 6 OF (3) 19

BUSINESS NAME (4) SEACLIFF STATE BEACH

CHEMICAL LOCATION (5) STORAGE SHED

MAP# (6) 1 GRID # (7) B-3

CHEMICAL NAME (8) ETHYL. GLYCOL - Waste

TRADE SECRET (11) ☐ Y ☐ N

COMMON NAME (9) ANTI-FREEZE

EHS (12) ☐ Y ☐ N

CAS# (10) KW 5600000

IF EHS BOX IS Y ALL AMOUNTS MUST BE IN LBS

FIRE CODE HAZARD CLASSES (13) Pois, B, CMB

TYPE (14) ☒ PURE ☐ MIXTURE ☒ WASTE

RADIOACTIVE (15) ☐ Y ☐ N (16) CURIES

PHYSICAL STATE (17) ☐ SOLID ☒ LIQUID ☐ GAS

FED HAZARD CATEGORIES (18) ☐ FIRE ☐ REACTIVE ☐ PRESSURE RELEASE ☒ ACUTE HEALTH ☐ CHRONIC HEALTH

STATE WASTE CODE (19)

UNITS (22) ☒ GAL ☐ CU FT ☐ LBS ☐ TONS

MAX DAILY AMT (23) ~~200~~ 55

DAYS ON SITE (20) 365

If EHS, amounts must be in lbs.

AVG DAILY AMT (24)

LARGEST CONTAINER (21) 55

ANNUAL WASTE AMT (25) 200

STORAGE CONTAINER (26)

☐ ABOVE GROUND TANK	☐ CAN	☐ BOX	☐ TANK WAGON
☐ UNDER GROUND TANK	☐ CARBOY	☐ CYLINDER	☐ RAIL CAR
☐ TANK INSIDE BUILDING	☐ SILO	☐ GLASS BOTTLE	☐ _____
☒ STEEL DRUM	☐ FIBER DRUM	☒ PLASTIC BOTTLE	
☐ PLASTIC/NONMETALLIC DRUM	☐ BAG	☐ TOTE BIN	

STORAGE PRESSURE (27) ☒ AMBIENT ☐ ABOVE AMBIENT ☐ BELOW AMBIENT

STORAGE TEMPERATURE (28) ☒ AMBIENT ☐ ABOVE AMBIENT ☐ BELOW AMBIENT ☐ CRYOGENIC

	(29) %WT	(30) HAZARDOUS COMPONENT	(31) EHS	(32) CAS#
1			☐ Y ☐ N	
2			☐ Y ☐ N	
3			☐ Y ☐ N	
4			☐ Y ☐ N	
5			☐ Y ☐ N	

(33) ADDITIONAL LOCALLY COLLECTED INFORMATION

If you have identified the chemical type as a "waste" (#14 above), please enter your Cal/EPA Waste Generator ID Number here: _____

If you need to obtain a Cal/EPA Waste Generator ID Number, you may do so by calling: (916) 324-1781.

Chemical Inventory Form

(For chemicals below State Thresholds of 55 gals., 200 cu. ft., or 500 lbs.)

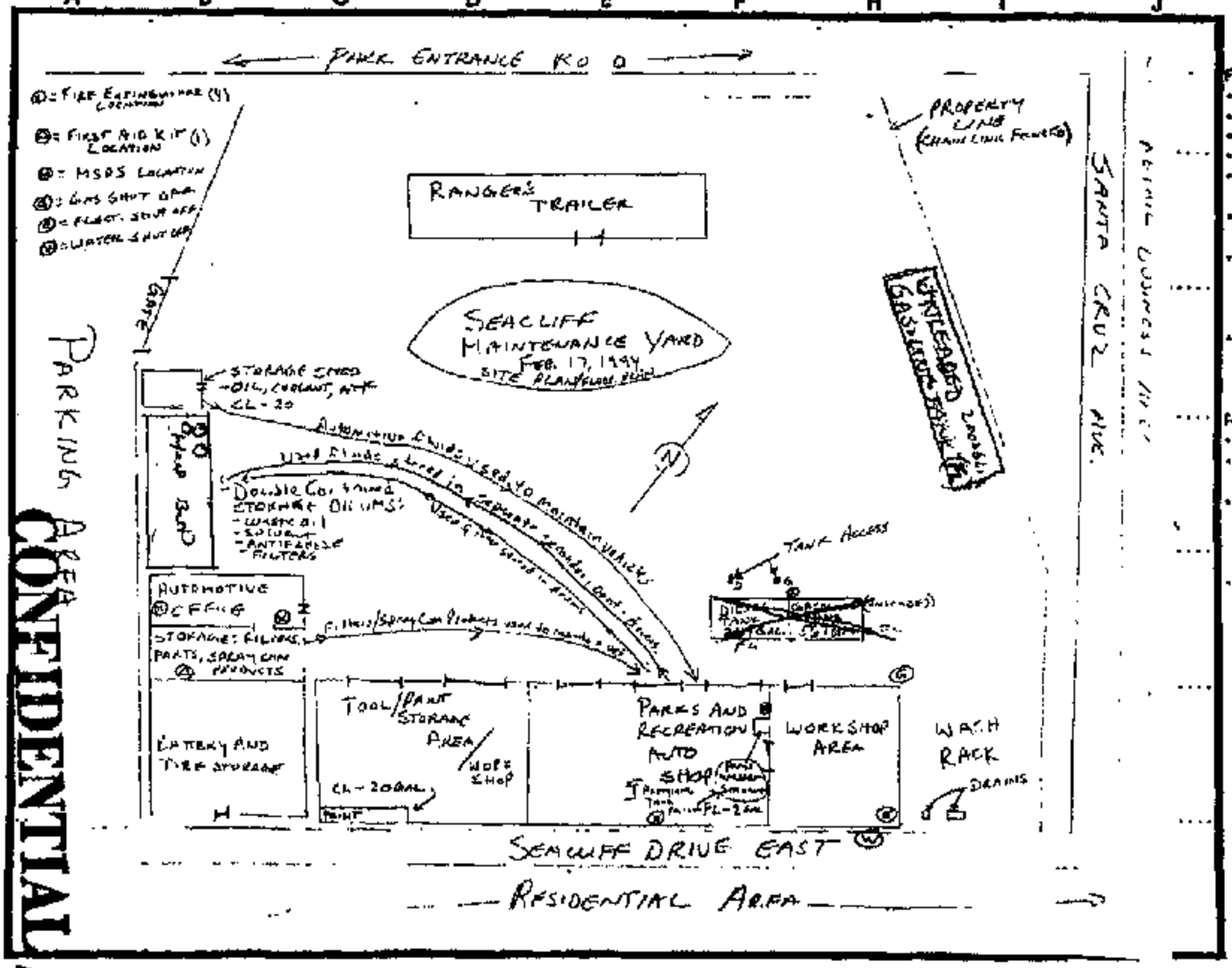
Business Name SEACLIFF STATE BEACH Site Address 201 STATE PARK DR.

Hazard Class *	Common/Chemical Name (If the material is a waste, include the word "waste")	Number of Containers	Container Size	Units	Map No.	Grid No	Secondary Containment	Brief Description of Use or Waste EPA I.D.#
CL	PAINT, OIL BASED	20	1	GL	1	C6	Yes / No	PAINTING
FG	ACETYLENE	1	59 ~~FT~~	CF	1	E6	Yes / No	WELDING
CL	GREASE	1	5	GL	1	B3	Yes / No	LUBRICATION
Pois. B	ENGINE OIL	480	1	QT	1	B3	Yes / No	LUBRICATION
Pois. B	HYDRAULIC FLUID	10	5	GL	1	B3	Yes / No	HYDRAULIC SYSTEMS
Pois. B	AUTO. TRANSMISSION FLUID	120	1	QT	1	B3	Yes / No	LUBRICATION
CORR/FL	BATTERY ACID	40	1	EA	1	B6	Yes / No	AUTOMOTIVE USE
Oxy	Oxygen	1	125	CF			Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	
							Yes / No	

* Please refer to the instructions for assistance in determining the Hazard Class

Trade Secrets: If any of the information required to be disclosed as part of the HMMP is considered a trade secret as defined by Section 6254.7 of the Government Code and Section 1060 of the Evidence Code, the information must be provided nonetheless, but the user shall notify [illegible] Health Service in writing of the information which the user considers to be trade secret informa[illegible]

CALIFORNIA ANNOTATED SITE MAP	Business Name: SEACLIFF STATE BEACH	Site Address: 201 STATE PARK DR.	Map #: 1



For Site Map
- Scale of Map
- Loading Areas
- Parking Lots
- Internal Roads
- Storm and Sewer Drains
- Adjacent Property Use
- Locations and Names of Adjacent Streets and Alleys
- Access and Egress Points and Roads

For Sub-Site Map
- Scale of Map
- Location of Each Storage Area
- Location of Each Hazardous Material Handling Area
- Location of Emergency Response Equipment

Scale:

1" = ___ Ft.

Page 8 of 19

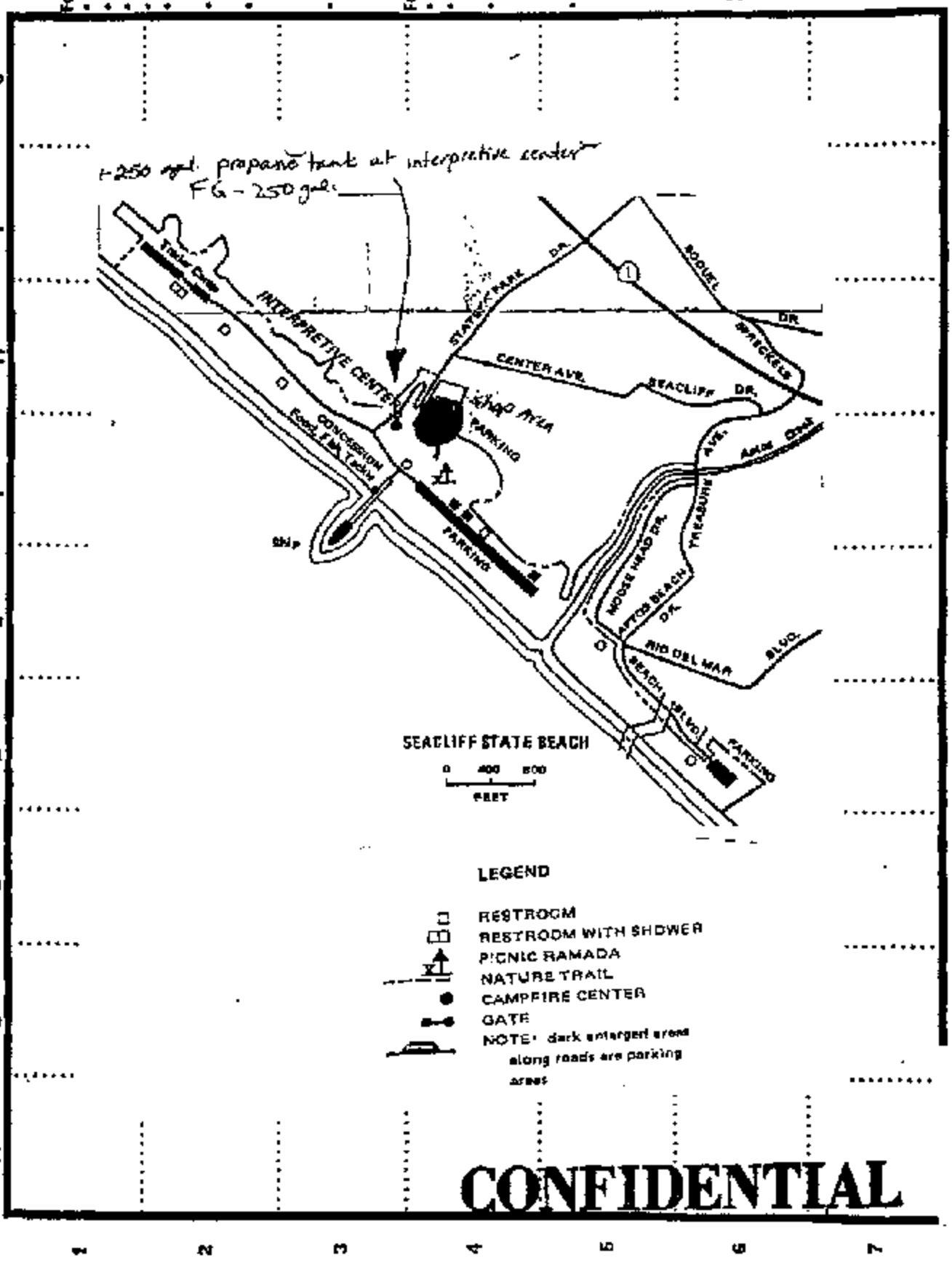
OES Form 2729(map) (1/94)

CALIFORNIA ANNOTATED SITE MAP | Business Name: Seacliff State Beach | Site Address: 201 State Park Dr. | Map #: 2

For Site Map
- Scale of Map
- Loading Areas
- Parking Lots
- Internal Roads
- Storm and Sewer Drains
- Adjacent Property Use
- Locations on Names of Adjacent Streets and Alleys
- Access and Egress Points and Roads

For Sub-Site Map
- Scale of Map
- Location of Each Storage Area
- Location of Each Hazardous Material Handling Area
- Location of Emergency Response Equipment

Scale: 1" = ___ Ft.



CONFIDENTIAL

Appendix _____ - Underground Storage Tank Monitoring Procedures

This monitoring program must be kept at the UST location at all times. The information on this monitoring program are conditions of the operating permit. The permit holder must notify Santa Cruz County Environmental Health Service within 30 days of any changes to the monitoring procedures, unless required to obtain approval before making the change. Required by Sections 2632(d) and 2641(h) of the California Code of Regulations.

Facility Name: SEACLIFF STATE BEACH

Facility Address: 201 STATE PARK DRIVE APTOS, CA. 95003

I am aware of the state mandated upgrades required by December 22, 1998: ☒ Yes ☐ No

☐ 1998 Upgrades have been met. ☒ 1998 Upgrades have not been met.

A. Describe the frequency at which monitoring is performed:

Tank: TWICE PER YEAR

Piping:

B. Please identify by name and model, what approved monitoring system (as per LG 113-10) will be used for performing the monitoring:

Tank: PRECISION TANK TESTS

Piping:

C. Describe the location(s) where the monitoring will be performed (facility plot plan should be attached):

AT THE TANKS

D. List the name(s) and title(s) of the people responsible for performing the monitoring and/or maintaining the equipment:

STEVE HAMMACK - PARK MAINTENANCE SUPERVISOR.

E. Report format for monitoring:

Tank: PRECISION TANK TEST REPORTS.

Piping:

F. Describe the preventative maintenance schedule for the monitoring equipment: **Note: Maintenance must be in accordance with the manufacturer's maintenance schedule but not less than every 12 months.**

G. Describe the training necessary for the operation of UST system, including piping, and the monitoring equipment:

L

2100

201SEA RIDGE RD, APT, 76 STATION #5876, SITE MIT, 2000

(Nearby Fuel Leak Site)
w/ wells
w/ gradient
w/ boring logs

L

IT Corporation
1921 Ringwood Avenue
San Jose, CA 95131-1721
Tel. 408.453.7300
Fax. 408.437.9526

A Member of The IT Group

the IT group

RECEIVED
OCT 22 2001
ENVIRONMENTAL RESOURCES

October 15, 2001
Project 807032-05876003

Mr. David Camille
Phillips 66 Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

Re: **Summary of Report Submittals**
76 Service Station 5876
201 Sea Ridge Road at State Park Drive
Aptos, California

Dear Mr. Camille:

IT Corporation (IT) has prepared this letter on behalf of Phillips 66 Company (Phillips), formerly Tosco Marketing Company (Tosco), in response to a letter from the Regional Water Quality Control Board – Central Coast Region (RWQCB) to Phillips dated September 25, 2001. The September 25, 2001 RWQCB letter granted case closure for the subject facility, with the condition of post-closure monitoring. The September 25, 2001 RWQCB letter indicated that a formal closure letter would be prepared by the RWQCB after a complete list of relevant documents was prepared and submitted with an attestation statement signed by Phillips.

SUMMARY OF REPORT SUBMITTALS

Soil Gas Survey Results, Pacific Environmental Group, Inc., October 29, 1997.

Confirmation of Due Diligence Site Assessment, Pacific Environmental Group, Inc., March 30, 1999.

Underground Storage Tank Unauthorized Release Report, Pacific Environmental Group, Inc., May 5, 1999.

Groundwater Assessment Work Plan, Pacific Environmental Group, Inc., May 17, 1999.

Site Assessment Report, IT Corporation, December 20, 1999.

Groundwater Monitoring and Sampling Report First Quarter 2000, Gettler-Ryan, Inc., March 30, 2000.

Evaluation of Groundwater Elevation and Analytical Data, IT Corporation, April, 10, 2000.

Groundwater Monitoring and Sampling Report Second Quarter 2000, Gettler-Ryan, Inc., July 10, 2000.

Groundwater Monitoring and Sampling Report Third Quarter 2000, Gettler-Ryan, Inc., October 30, 2000.

Should you have any questions or require additional information, please feel free to call.

Sincerely,

IT Corporation

Timothy L. Ripp
Project Geologist

Attachments:

cc:

Ken and Jennifer Soni, Former Service Station, 1402 Spring St., Paso Robles, San Luis Obispo County [Sheila Soderberg 805/549-3592]

In June 1993, Mission Federal Savings and Loan (Mission) ordered an environmental record review for the property at 1402 Spring Street, Paso Robles as part of a sales transaction. The review revealed that a former service station occupied the property from 1926 to 1973. In 1973, Mission acquired the property and constructed a bank building on the property. As follow-up to the review and in order to determine environmental effects on the property, Mission conducted environmental investigations from 1993 to1996, which included: 1) a geophysical survey to locate onsite UGTs, 2) drilling and sampling thirteen soil borings, 3) conversion of five borings into ground water monitoring wells, and 4) ground water sampling. The geophysical survey did not confirm the presence of UGTs at the site; it is presumed that the UGTs were either removed without local agency permits or abandoned in-place beneath the building's existing footprint. Soil and ground water sampling confirmed the presence of total petroleum hydrocarbon constituents in soil and ground water beneath the site.

Initially, maximum ground water concentrations of TPHg and benzene were detected in one ground water grab sample at 20,000 ppb and 1,010 ppb, respectively. In October 1996, a quarterly ground water monitoring and reporting program was instated; this program was later reduced to semi-annual and then to annual monitoring to document intrinsic biodegradation of the contaminant plume. Depth to ground water ranged from 15 to 18 feet below ground surface with the ground water flow direction consistently to the northeast at approximately 0.025 feet/feet.

Because water quality objectives were nearly attained, in March 2000, the monitoring program was modified so that only two down gradient wells, MW-1 and MW-5, would be sampled: MW-1 historically contained the maximum concentration of petroleum hydrocarbon constituents. During the most recent (April 14, 2000) sampling event only TPHg and benzene were detected in MW-1 at 190 ppb and 3.3 ppb, respectively. MTBE has not been detected at the site since 1998. Water quality objectives have been attained for all constituents except benzene, which has an objective of 1.0 ppb.

After considering the fact that the tanks have not been in service since 1973, the reduction of contaminant concentrations in groundwater, and that the water quality objectives for benzene are imminent and attainable: staff recommends closing this UGT case. The responsible party/property owner has been notified of Staff's recommendation. Unless the Regional Board objects, staff will request proper ground water well destruction prior to issuance of the UGT case closure letter.

Tosco (formerly Unocal) Service Station #5876, 201 Sea Ridge Road, Aptos; Santa Cruz County [Bob Hurford 805/542-4776] *(Carried over from July 14, 2000 Board meeting)*

This site is an operating gasoline service station. A due diligence soil gas survey was performed at the site in September 1997, during the transfer of the facility from Unocal Corporation to Tosco. To follow-up the findings of the soil gas survey, three exploratory borings were drilled on December 14, 1998. No significant soil contamination was discovered. A grab ground water sample obtained from one of the borings reportedly contained MTBE at a concentration of 950 micrograms per liter (µg/L) using EPA Test Method 8020. To confirm ground water quality in this shallow perched zone, three monitoring wells were installed down to bedrock (28 feet maximum depth) in September 1999. The monitoring wells are screened between 5 and 25 feet below ground surface. Ground water was only encountered in one monitoring well (MW-1) during the first sampling event. A ground water sample taken from MW-1 did not contain detectable levels of petroleum hydrocarbons or MTBE. EPA Test Method 8260 was used for MTBE analysis. Method 8260 is a more accurate analytical procedure over 8020 and is used to confirm the presence or absence of MTBE when found using Method 8020. Method 8020 may show false positive results for MTBE in the presence of gasoline range petroleum hydrocarbons. A confirmation wet weather sampling event was performed on February 26, 2000. Ground water was found in all three wells. Sampling results indicated all ground water samples were at or below this Board's water quality action levels for petroleum hydrocarbons and MTBE. Another round of ground water monitoring was performed on May 8, 2000, and all constituents were at or

below water quality objectives. Depth to shallow perched ground water at the site ranged from 6.4 feet below ground surface to greater than the bottom of the well screens, approximately 25 feet (well dry). The direction of ground water flow beneath the site varies with the season from north to east and southeast. The site is approximately 1,100 feet north of the Pacific Ocean and 2,500 feet west of Aptos Creek. No public water supply wells are located within one mile of the site. Due to insignificant soil contamination found in the soil borings, the confirmation of ground water quality

in the unused shallow perched zone at the site, and the proximity of the ocean, the site does not appear to pose a significant threat to ground water or surface water beneficial uses. Staff recommends closing this case. Tosco Marketing Company is the property owner and has been notified of this recommendation for case closure. (See Attached Vicinity and Site Maps 1A, 1B, 1C, 1D).

Approval of Corrective Action

Mobil Oil Corp., Station 318-L3C, 911 Morro Bay Blvd., Morro Bay, San Luis Obispo County [Sheila Soderberg 805/549-3592]

Mobil Oil Corporation (Mobil) proposes implementation of a Corrective Action Plan (Plan) for a service station located at 911 Morro Bay Boulevard, Morro Bay. During the 1997 underground storage tank (UGT) removal activities, Mobil over-excavated contaminated soil from the former tank pit prior to installation of new UGTs in the same area, however some contaminated soil could not be removed. Mobil's Plan proposes implementation of an air diffusion system (ADS) to promote natural biodegradation for removing hydrocarbons remaining in soil at the capillary fringe. The Plan also involves installation of three new ground water monitoring wells. Compressed air will be injected into these three new wells and three existing wells. Mobil will install the ADS system this summer during the property owner's construction of a new car wash at the service station. During remediation, quarterly progress reports will be provided to determine the system's effectiveness and ground water samples collected and analyzed prior to and during remediation for concentrations of dissolved oxygen and nitrate/nitrite, and measured for pH and oxidation-reduction potential. In addition, the ground water monitoring program will continue on a quarterly basis to further evaluate the removal of petroleum hydrocarbon constituents remaining in ground water. The property owner, Staurt's Petroleum Company, has been notified about the Plan.

STATUS REPORTS

Casmalia Resources, Santa Barbara County [Dan Niles 805/549-3355]

This status report provides the Regional Board a general overview of the history of the Casmalia Site similar to the July 14, 2000 status report. The summary below describes some of the more important regulatory history of the site and also provides a detailed description of the current layout of the site. A series of figures is included to help get a better understanding of the site's evolving configuration. On-site water management issues are also emphasized towards the end of the summary.

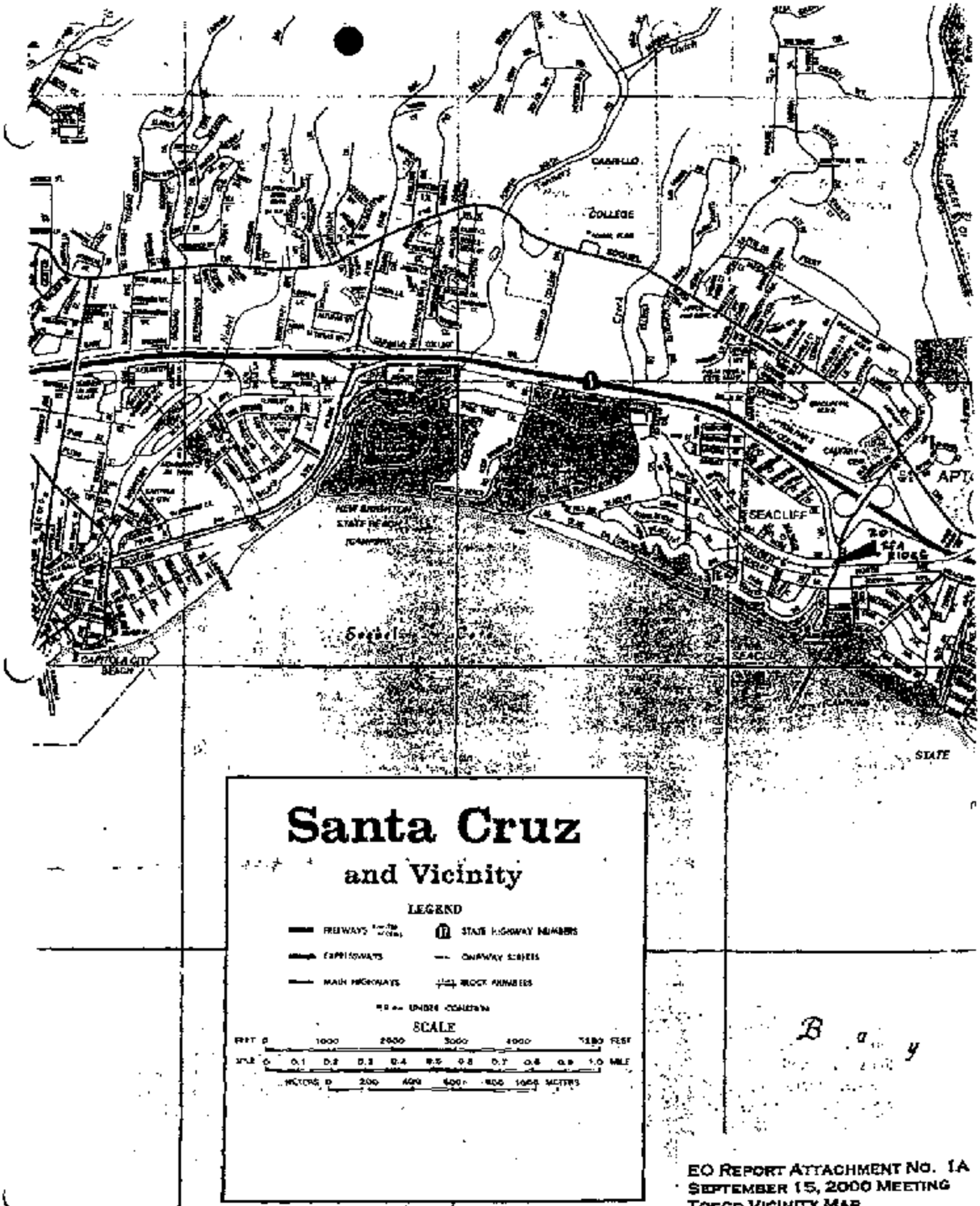
The second part of this status report provides the Regional Board with a summary of staff's current regulatory involvement at the site as it relates to key aspects of work performed pursuant to the United States Environmental Protection Agency's (U. S. EPA) and Casmalia Resources Site Steering Committee's (CSC) consent decree.

Historic Summary

The Casmalia Site, known as the Casmalia Resources Hazardous Waste Management Facility, was an active hazardous waste disposal facility from 1973 to 1989. The Casmalia Site is located in northern Santa Barbara County immediately north and east of Vandenberg Air Force Base, and approximately eight miles southwest of Santa Maria (Attachment 2A). The site is 252 acres, all of which are part of current remedial efforts.

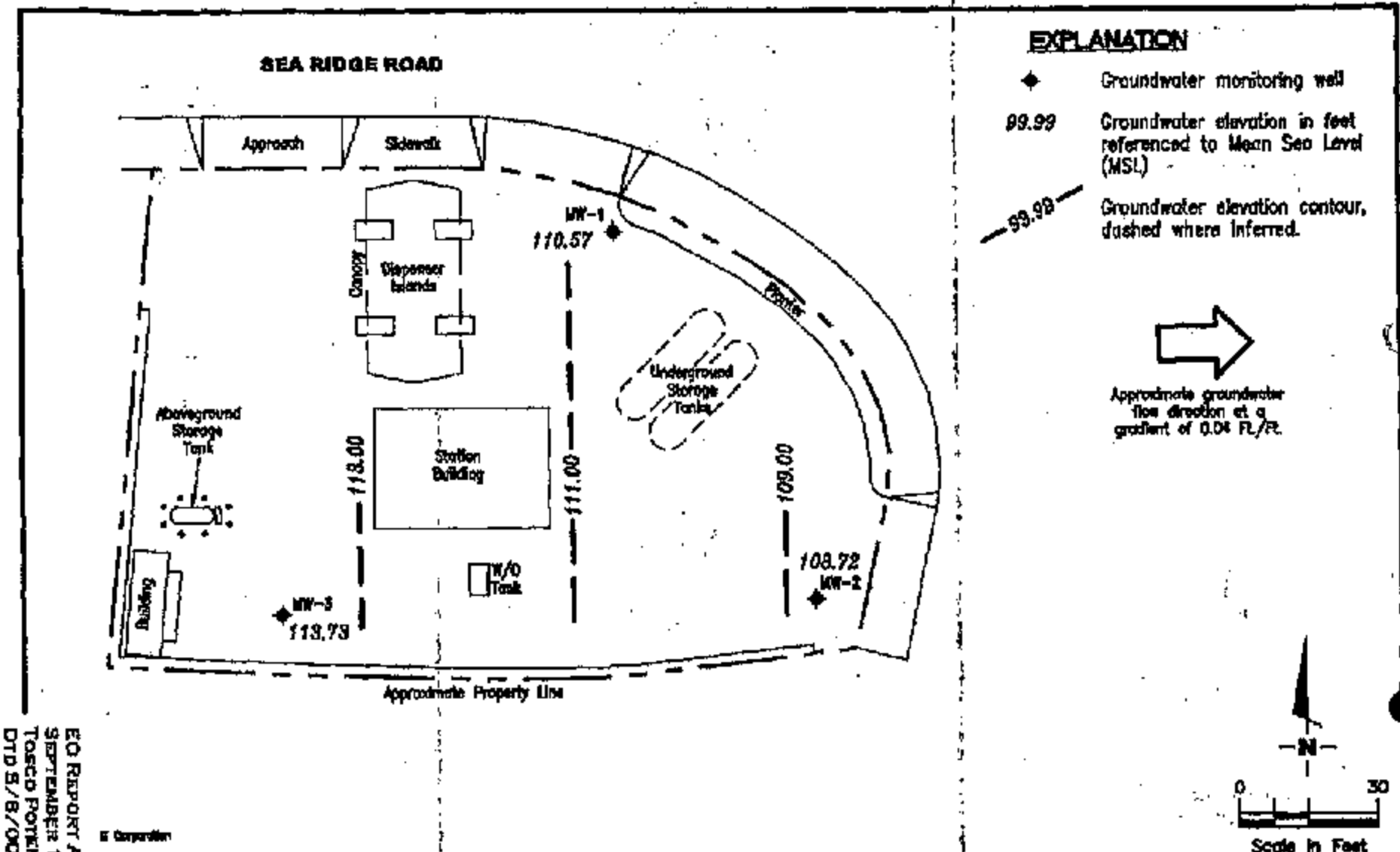
The Regional Board and California Department of Toxic Substances Control regulated the facility until U. S. EPA assumed lead authority on-site in 1992. Pre-existing Regional Board Orders remain in place, but have not been implemented or enforced since U. S. EPA became the lead agency.

During active facility operations, liquid and solid wastes disposed at the site included heavy metals,



EO REPORT ATTACHMENT NO. 1A
SEPTEMBER 15, 2000 MEETING
TOSCD VICINITY MAP

10 11 12



E Corporation

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568
(925) 551-7555

POTENTIOMETRIC MAP
Tosco (76) Service Station #5876
201 Sea Ridge Road
Aptos, California

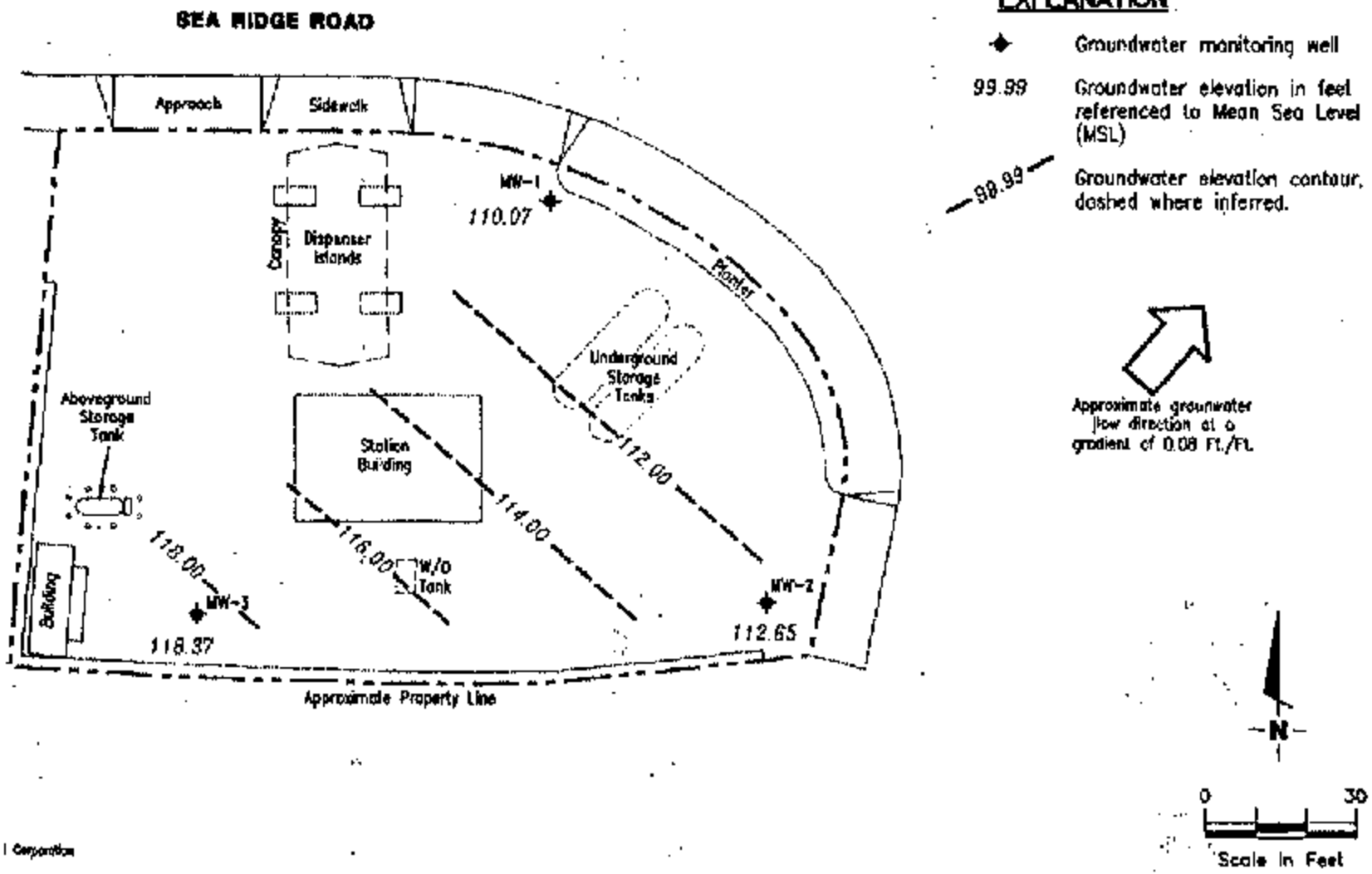
FIGURE 1

REVIEWED BY

DATE
May 8, 2000

REVISED DATE

EO REPORT ATTACHMENT NO. 1B
SEPTEMBER 15, 2000 MEETING
TOSCO POTENTIOMETRIC MAP
DTD 5/8/00



Gettler - Ryan Inc.

8747 Sierra Ct., Suite J · (925) 551-7555
Dublin, CA 94568

REVIEWED BY

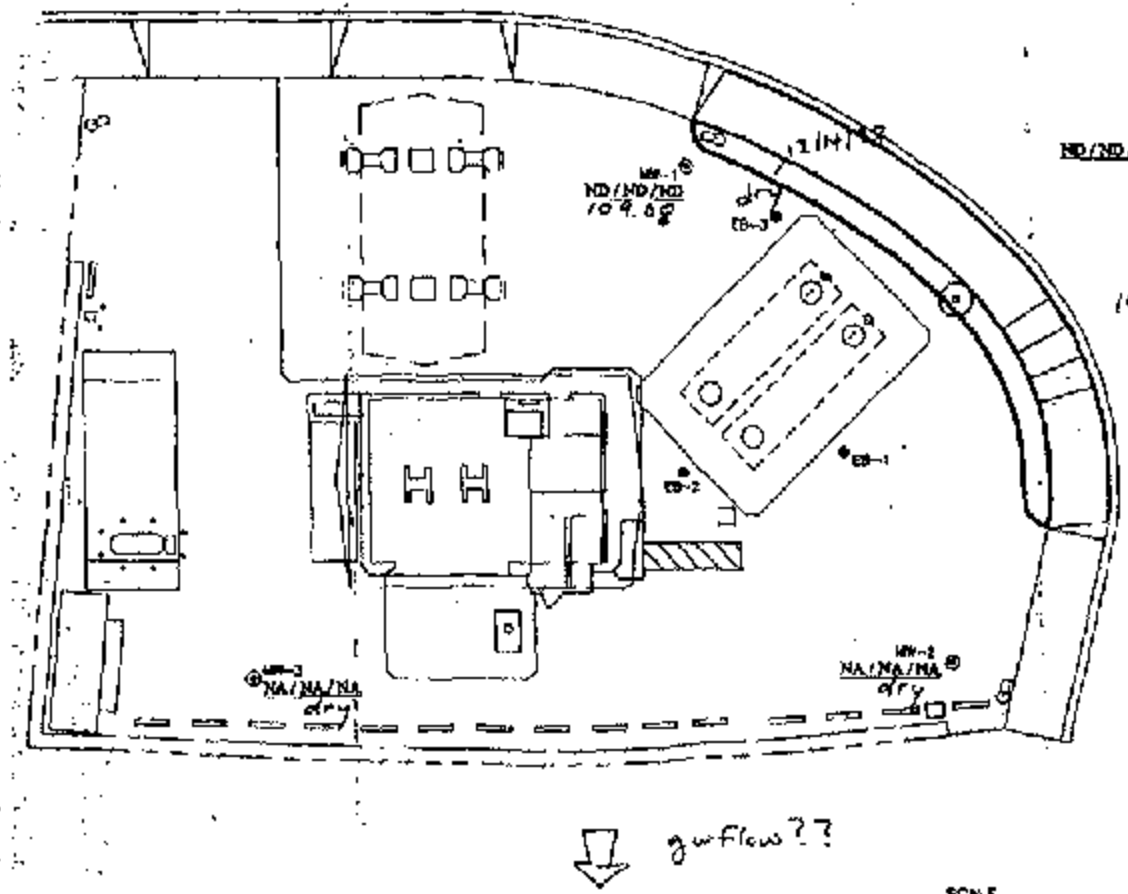
POTENTOPMETRIC MAP
Tosco (76) Service Station #5876
201 Sea Ridge Road
Aptos, California

DATE
February 26, 2000

REVISED DATE

FIGURE
1

EQ REPORT ATTACHMENT No. 1C
SEPTEMBER 15, 2000 MEETING
TOSCO POTENTIOMETRIC MAP
DTD 2/26/00



LEGEND

- GROUNDWATER MONITORING WELL
- EXPLORATORY BORING

ND/ND/ND TPPH-g/BENZENE/MBE CONCENTRATIONS IN GROUNDWATER (PARTS PER BILLION): SAMPLED 9-16-99

ND NOT DETECTED

NA NOT AVAILABLE

109.08 Elev. above mean sea level 9/16/99

TOSCO MARKETING COMPANY
76 SERVICE STATION 5876

FIGURE 3
DISSOLVED HYDROCARBON CONCENTRATION MAP
201 SEA RIDGE ROAD at STATE PARK DRIVE
APTOS, CALIFORNIA

PROJECT NUMBER 311-222.1A

EO REPORT ATTACHMENT NO. 10
SEPTEMBER 15, 2000 MEETING
TOSCO DISSOLVED HYDROCARBON CONCENTRATION MAP

R. Supplee 7/20/00

GETTLER-RYAN INC.

TRANSMITTAL

RECEIVED JUL 19 2000 HEALTH SERVICES

July 14, 2000
G-R #:180226

TO: Mr. David J. Camille
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California

CC: Mr. Tim Ripp
I.T. Corporation
1921 Ringwood Avenue
San Jose, California 95131

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: **Tosco (76) SS #5876**
201 Sea Ridge Road
Aptos, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	July 10, 2000	Groundwater Monitoring and Sampling Report Second Quarter 2000 - Event of May 8, 2000

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by ***July 18, 2000***, this report will be distributed to the following:

Enclosure

cc: Ms. Rebecca Supplee, Santa Cruz County Department of Environmental Health, 701 Ocean Street, Room 312, Santa Cruz, CA 95060
Mr. Bob Hurford, RWQCB Central Coast Region, 81 Higuera St., Suite 200, San Luis Obispo, CA 93401-5427

mms/5876.djc

GETTLER-RYAN INC.

July 10, 2000
G-R Job #180226

Mr. David J. Camille
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

RECEIVED
JUL 1 9 2000
HEALTH SERVICES

RE: Second Quarter 2000 Groundwater Monitoring & Sampling Report
Tosco (76) Service Station #5876
201 Sea Ridge Road
Aptos, California

Dear Mr. Camille:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On May 8, 2000, field personnel monitored and sampled three wells (MW-1 through MW-3) at the above referenced site.

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 2. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

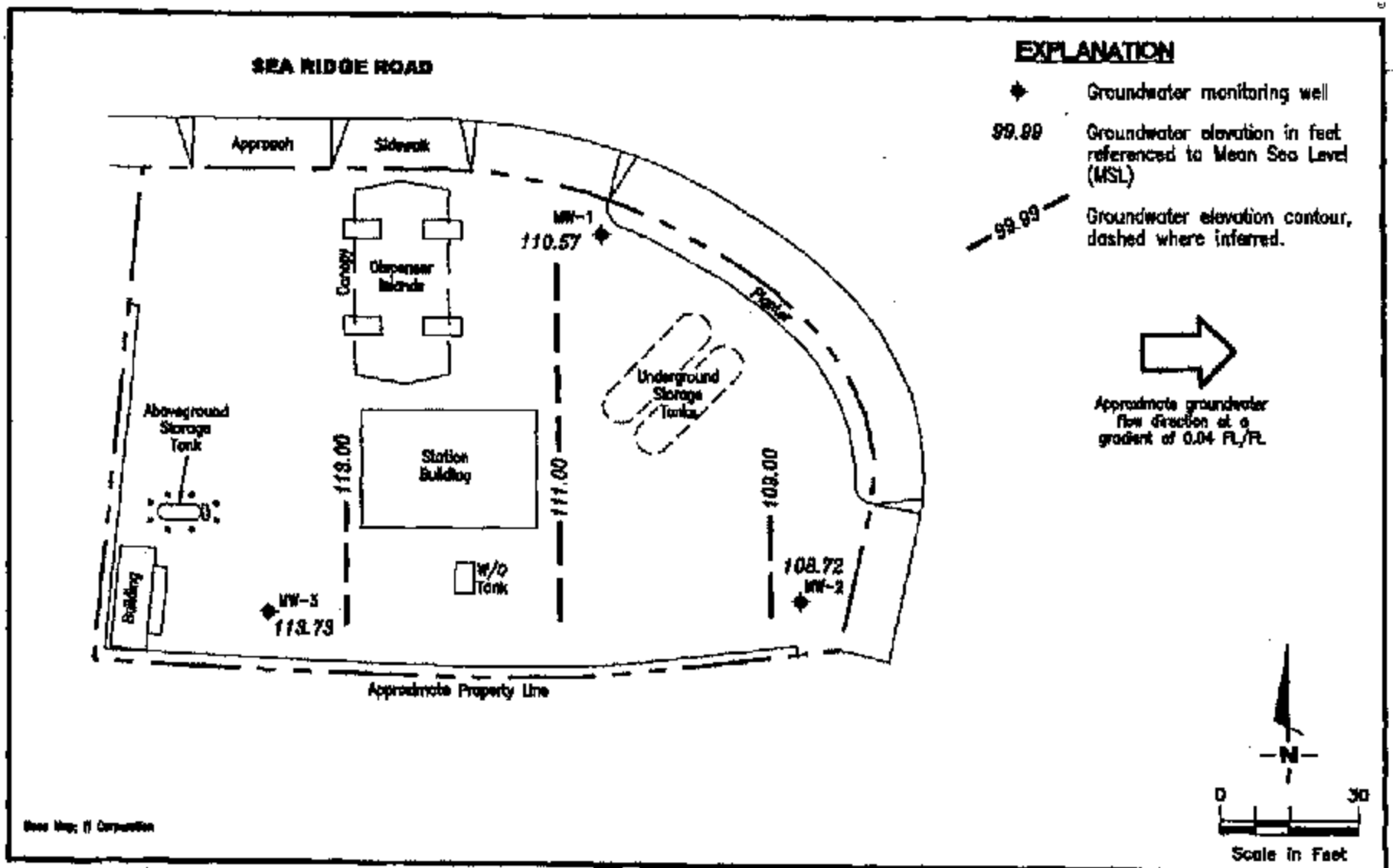
Deanna L. Harding
Project Coordinator

REGISTERED GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

Douglas J. Lee
Senior Geologist, R.G. No. 6882

Figure 1:	Potentiometric Map
Figure 2:	Concentration Map
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2 :	Groundwater Analytical Results – Oxygenate Results
Attachments:	Standard Operating Procedure - Groundwater Sampling
	Field Data Sheets
	Chain of Custody Document and Laboratory Analytical Reports

5876.qpd



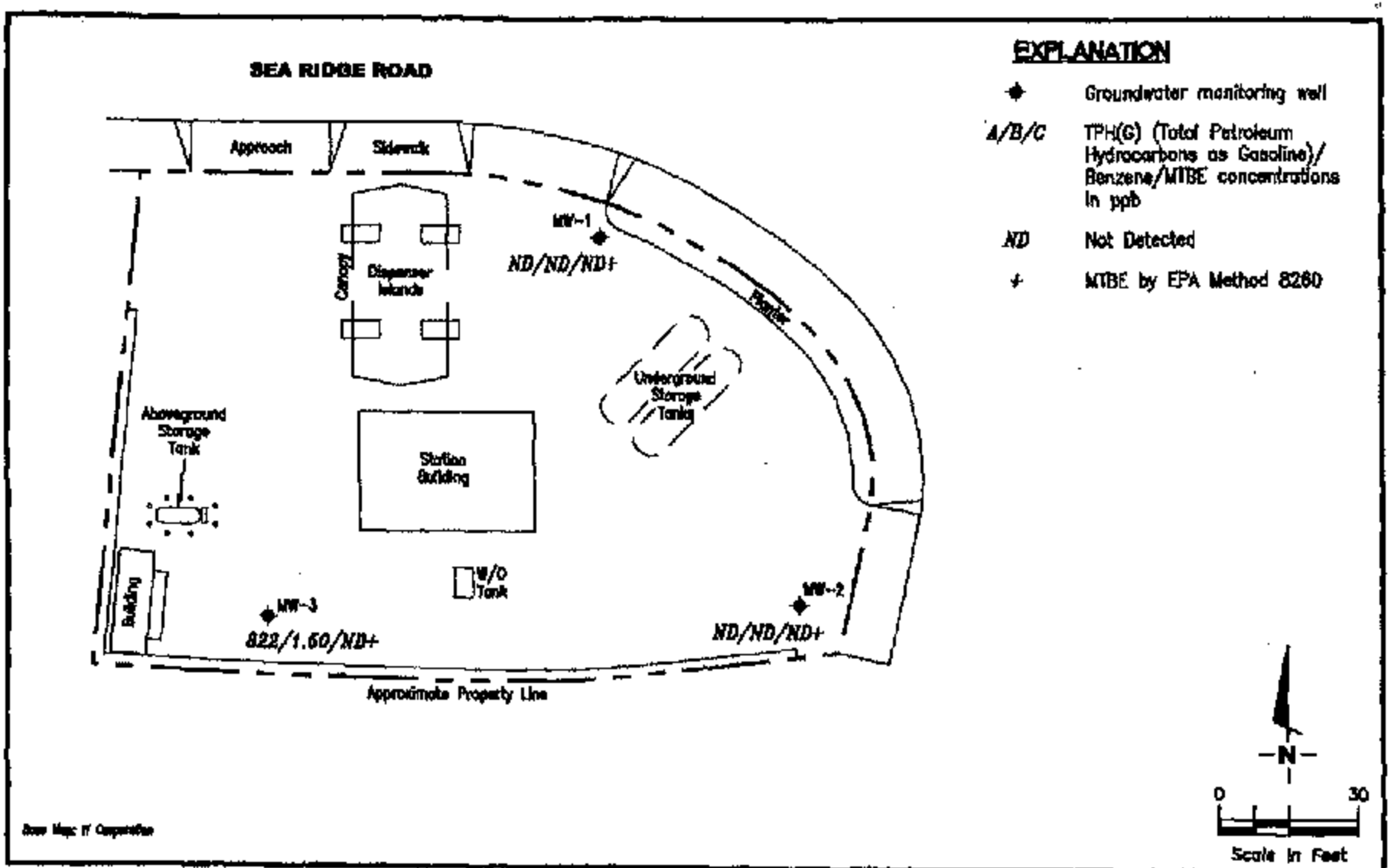
Base Map: ff Corporation

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568
(925) 551-7555

POTENTIOMETRIC MAP
Tosco (76) Service Station #5876
201 Sea Ridge Road
Aptos, California

FIGURE 1

JOB NUMBER 180228
REVIEWED BY
DATE May 8, 2000
REVISED DATE



Base Map: IT Corporation

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
Tosco (76) Service Station #5876
201 Sea Ridge Road
Aptos, California

FIGURE 2

JOB NUMBER 180226
REVIEWED BY
DATE May 8, 2000
REVISED DATE

Table 1

Groundwater Monitoring Data and Analytical Results
Tesco (76) Service Station #5876
201 Sea Ridge Road
Aptos, California

WELL ID TOC*	DATE	DTW (ft.)	GWE (msl)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1 124.08	09/16/99	15.00	109.08	ND	ND	ND	ND	ND	ND
	02/26/00	14.01	110.07	ND	ND	ND	ND	ND	ND/5.35[1]
	05/08/00	13.51	110.57	ND	ND	ND	ND	ND	ND/ND[1]
MW-2 120.29	09/16/99	DRY	--	--	--	--	--	--	--
	02/26/00	7.64	112.65	ND	ND	ND	ND	ND	ND/4.44[1]
	05/08/00	11.57	108.72	ND	ND	ND	ND	ND	ND/ND[1]
MW-3 124.76	09/16/99	DRY	--	--	--	--	--	--	--
	02/26/00	6.39	118.37	ND	ND	ND	1.04	1.60	ND/2.24[1]
	05/08/00	11.03	113.73	822[2]	1.50	3.90	ND[2]	211	[2]ND/ND[1]
Trip Blank TB-LB	02/26/00	--	--	ND	ND	ND	ND	ND	ND
	05/08/00	--	--	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (76) Service Station #5876

201 Sea Ridge Road

Aptos, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to February 26, 2000, were compiled from reports prepared by I.T. Corporation.

TOC = Top of Casing elevation
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
msl = Relative to mean sea level
TPH(G) = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

ppb = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed

* TOC elevations have been surveyed relative to Mean Sea Level (msl).

[1] MTBE by EPA Method 8260.

[2] Laboratory report indicates weathered gasoline C6-C12.

[3] Detection limit raised. Refer to analytical reports.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Tosco (76) Service Station #5876
201 Sea Ridge Road
Aptos, California

WELL ID	DATE	METHANOL (ppb)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	02/26/00	ND[1]	ND	ND	5.35	ND	ND	ND	ND	ND
	05/08/00	--	ND	ND	ND	ND	ND	ND	--	--
MW-2	02/26/00	ND[1]	ND	ND	4.44	ND	ND	ND	ND	ND
	05/08/00	--	ND	ND	ND	ND	ND	ND	--	--
MW-3	02/26/00	ND[1]	ND	ND	2.24	ND	ND	ND	ND	ND
	05/08/00	--	ND	ND	ND	ND	ND	ND	--	--

EXPLANATIONS:

TBA = Tertiary Butyl Alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl Tertiary Butyl Ether
TAME = Tertiary Amyl Methyl Ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
ppb = Parts per billion
ND = Not Detected

[1] Sample was received outside of the EPA recommended holding time.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 76 SS # 5876 Job#: 180226
Address: 201 Sea Ridge Road Date: 5/8/00
City: APTOS CA Sampler: Vartkes

Well ID: MW-1 Well Condition: OK

Well Diameter: 2" in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth: 25.20 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.90	

Depth to Water: 13.51 ft.

11.69 x VF 0.17 = 1.98 x 3 (case volume) = Estimated Purge Volume: 6.0 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 5:15 Weather Conditions: clear
Sampling Time: 5:30 Water Color: clear Odor: no
Purging Flow Rate: 1 gpm. Sediment Description: _____
Did well de-water? no If yes: Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
5:17	2	7.80	3.98	70.3			
5:19	4	7.68	3.91	69.7			
5:21	6	7.64	3.92	69.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
"	2 x VOA	"	"	"	8260(6) 0843

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility# 76 SS # 5876 Job#: 180226
Address: 201 Sea Ridge Road Date: 5/8/00
City: APTOS, CA Sampler: Vartkes

Well ID MW-2 Well Condition: OK

Well Diameter 2" in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth 25.15 ft.

Depth to Water 11.57 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

13.58 x VF 0.17 = 2.30 x 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 4:44 Weather Conditions: clear

Sampling Time: 5:00 Water Color: clear Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: _____

Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
4:46	2	7.71	3.31	70.1			
4:49	4.5	7.58	3.23	69.4			
4:52	7	7.55	3.18	69.2			

LABORATORY INFORMATION

SAMPLE ID	# - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
"	2 x VOA	—	—	—	8260(6) Oxy's

COMMENTS: _____

8/97-field.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility# 76 SS # 5876 Job#: 180226
Address: 201 Sea Ridge Road Date: 5/8/00
City: APTOS CA Sampler: Vartkes

Well ID: MW-3 Well Condition: OK

Well Diameter: 2" in. Hydrocarbon Thickness: Φ (feet) Amount Bailed (product/water): Φ (Gallons)

Total Depth: 24.85 ft.

Depth to Water: 11.03 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

13.82 x VF 0.17 = 2.34 x 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 4:16 Weather Conditions: clear
Sampling Time: 4:31 Water Color: clear Odor: no
Purging Flow Rate: 1 gpm. Sediment Description: _____
Did well de-water? no If yes: Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity mhos/cm x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
4:18	2.5	7.63	4.11	69.3			
4:21	5	7.47	4.03	68.7			
4:24	7.5	7.45	3.99	68.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
"	2 x VOA	~	~	~	8260(6) Oxys

COMMENTS: _____

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
P. O. BOX 913
BENICIA, CA 94510
(415) 876-9100 (707) 746-6915

KEI-P88-0712A-1
December 1, 1988

Unocal Corporation
2175 N. California Blvd., Suite 650
Walnut Creek, CA 94569

TE. 12/30/88

Attention: Mr. Tim Ross

RE: Preliminary Subsurface Investigation at
Unocal Service Station #5876
201 Sea Ridge Road
Aptos, California

Dear Mr. Ross:

This report presents the results of our subsurface investigation for the referenced site in accordance with our proposal dated August 19, 1988. The purpose of the investigation was to assess the quality of the subsurface soil and ground water (if encountered) at the site. The work performed consisted of the following:

1. Coordination with regulatory agencies.
2. Drilling two exploratory borings.
3. Soil sampling.
4. Laboratory analyses.
5. Data analyses, interpretation and report preparation.

BACKGROUND

The subject site is presently used as a gasoline station. The site vicinity and site details are shown on the attached sketches. In late July and early August, 1988, two 10,000 gallon underground gasoline tanks and one 280 gallon waste oil tank were removed from the site. Soil samples collected from beneath the tanks were analyzed by Sequoia Analytical Laboratory of Redwood City, California. Samples from beneath the fuel tanks had total petroleum hydrocarbons (TPH) as gasoline levels ranging from 1.1 to 67 ppm. The first sample from the waste oil pit at a depth of nine feet had 100 ppm TPH as diesel and 2100 ppm TOG. Because of the high level of contamination found beneath the waste oil tank,

KEI returned to the site on August 10, 1988 and excavated soil from beneath the waste oil tank to a depth of 17 feet. The soil sample collected from a depth of 17 feet showed non-detectable TPH as diesel, TOG and 8010 constituents. Maximum BTX&E was 0.056 ppm. Based on the levels of contamination found in the soil from beneath the waste oil tank, KEI recommended installation of three monitoring wells. The wells were to determine depth to water, subsurface geology, and to begin to determine the degree of contamination in soil (and ground water if encountered).

FIELD ACTIVITIES

On October 21, 1988, two 8" diameter borings (designated as EB2 and EB3 on the attached Site Plan) were drilled at the site (boring EB1 was not drilled because ground water was not encountered). The subsurface materials penetrated and the depths at which soil samples were collected are shown in the attached Boring Logs.

The borings were drilled to a total depth of 50 feet. Ground water was not encountered so monitoring wells were not installed. Soil samples were collected every five feet beginning at a depth of five feet in each of the borings. The undisturbed soil samples were taken by driving a California-modified split-spoon sampler ahead of the drilling augers. The clean, 2" by 4" brass tubes holding the samples were sealed with aluminum foil, plastic caps and tape, and stored in a cooled ice chest for delivery to a state certified laboratory. After the samples were collected, the borings were backfilled to the surface with a neat cement-sand slurry.

ANALYTICAL RESULTS

All samples were analyzed at Sequoia Analytical Laboratory, Redwood City, California, and were accompanied by properly executed chain of custody forms. The soil samples from EB3 were analyzed for total petroleum hydrocarbon (TPH) as gasoline using EPA method 5030 or 3810 in conjunction with modified 8015 and benzene, toluene, xylenes and ethylbenzene (BTX&E) using EPA methods 5030 and 8020. The soil samples from EB2, adjacent to the waste oil tank, were analyzed for TPH as diesel by EPA method 3550 in conjunction with modified 8015 and total oil and grease (TOG) by method 418.1. The soil samples from EB2 were also analyzed for EPA 8010/8020 Volatile Organic Compounds. The results of the soil analyses are summarized in Table 1. Copies of the laboratory analyses and Chain of Custody forms are attached to this report.

The analytical results of the soil samples from EB2 and EB3 showed non-detectable levels of all constituents except sample EB2 at 40', which had 1 ppm of TPH as diesel.

HYDROLOGY AND GEOLOGY

The subsurface formations at the site consist of silty sand, silty clay and sand (see Boring Logs).

DISCUSSION AND RECOMMENDATIONS

Based on the analytical results of the soil samples from EB2 and EB3 reflecting acceptable limits of hydrocarbons pursuant to the RWQCB guidelines, visual inspection and no apparent evidence of ground water, KEI recommends no additional work at this time, unless required by the regulatory agencies.

LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory investigations. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

Should you have any questions regarding this report, please feel free to call me at (707) 746-6915.

Sincerely,

Kaprealian Engineering, Inc.

Jean Semansky

Jean Semansky
Geologist

Gary S. Johnson

Gary S. Johnson
Registered Geologist

License #4315
Exp. Date 6/30/90

Mardo Kaprealian

Mardo Kaprealian
President

Attachments: Table 1
Location Map
Site Plan
Boring Logs
Laboratory Results
Chain of Custody forms

KEI-P88-0712A-1
December 1, 1988

TABLE 1

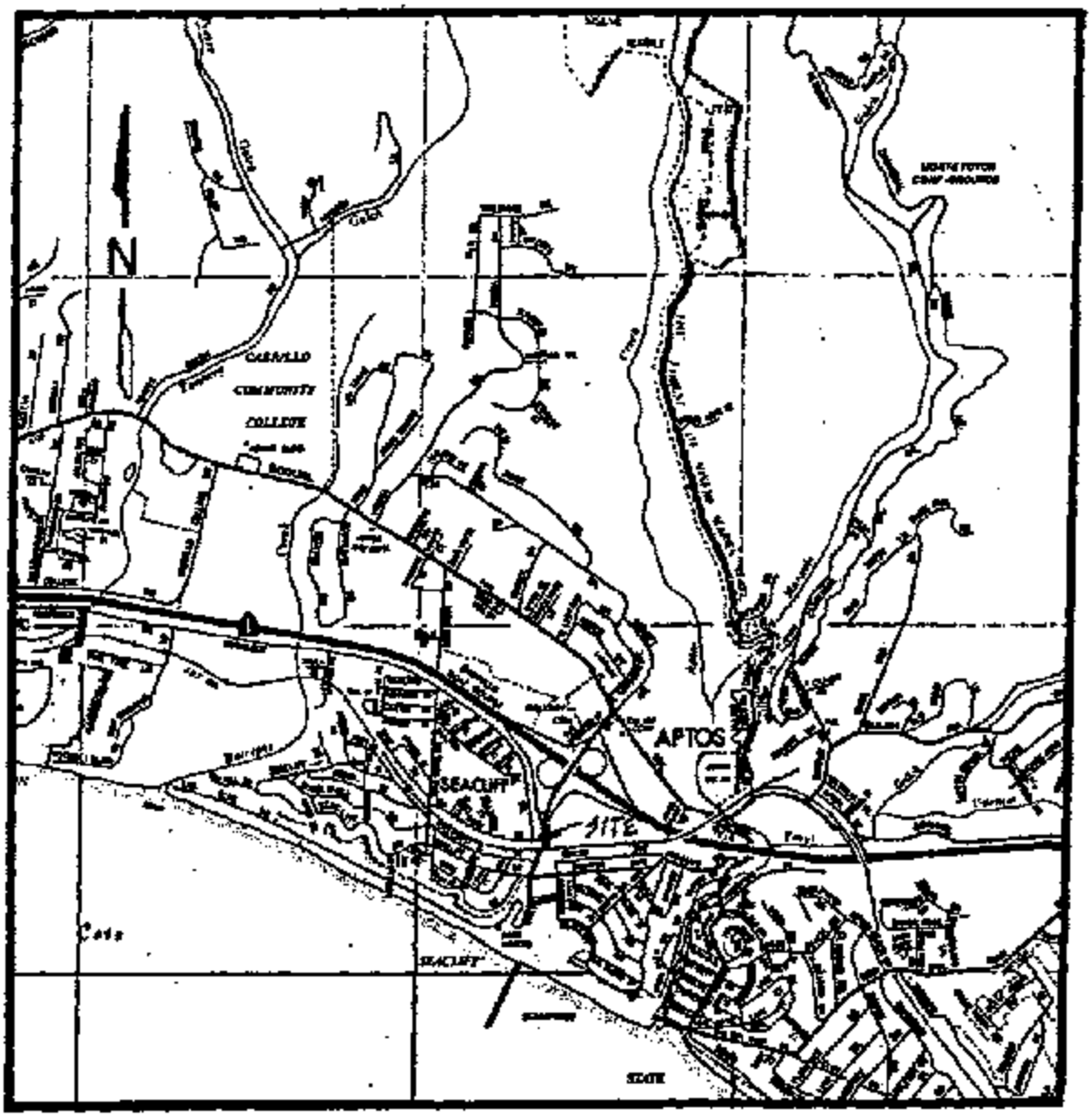
SUMMARY OF LABORATORY ANALYSES
SOIL

(Results in ppm)
(Collected on October 21, 1988)

Sample Number	TPH-D	TPH-G	Benzene	Toluene	Xylenes	Ethylbenzene
EB2(5)*	ND	----	ND	ND	ND	ND
EB2(10)*	ND	----	ND	ND	ND	ND
EB2(15)	ND	----	ND	ND	ND	ND
EB2(20)	ND	----	ND	ND	ND	ND
EB2(30)	ND	----	ND	ND	ND	ND
EB2(40)	1.0	----	ND	ND	ND	ND
EB2(50)	ND	----	ND	ND	ND	ND
EB3(5)	----	ND	ND	ND	ND	ND
EB3(10)	----	ND	ND	ND	ND	ND
EB3(15)	----	ND	ND	ND	ND	ND
EB3(20)	----	ND	ND	ND	ND	ND
EB3(30)	----	ND	ND	ND	ND	ND
EB3(40)	----	ND	ND	ND	ND	ND
EB3(50)	----	ND	ND	ND	ND	ND
Detection Limit	1.0	1.0	0.05	0.1	0.1	0.1

* 8010 compounds from EB2 were all non-detectable.
TOG from EB2 was non-detectable.

KAPREALIAN ENGINEERING, INC.
Consulting Engineers
P. O. BOX 613
BENICIA, CA 94510
(415) 676 - 9100 (707) 746 - 6915



LOCATION MAP

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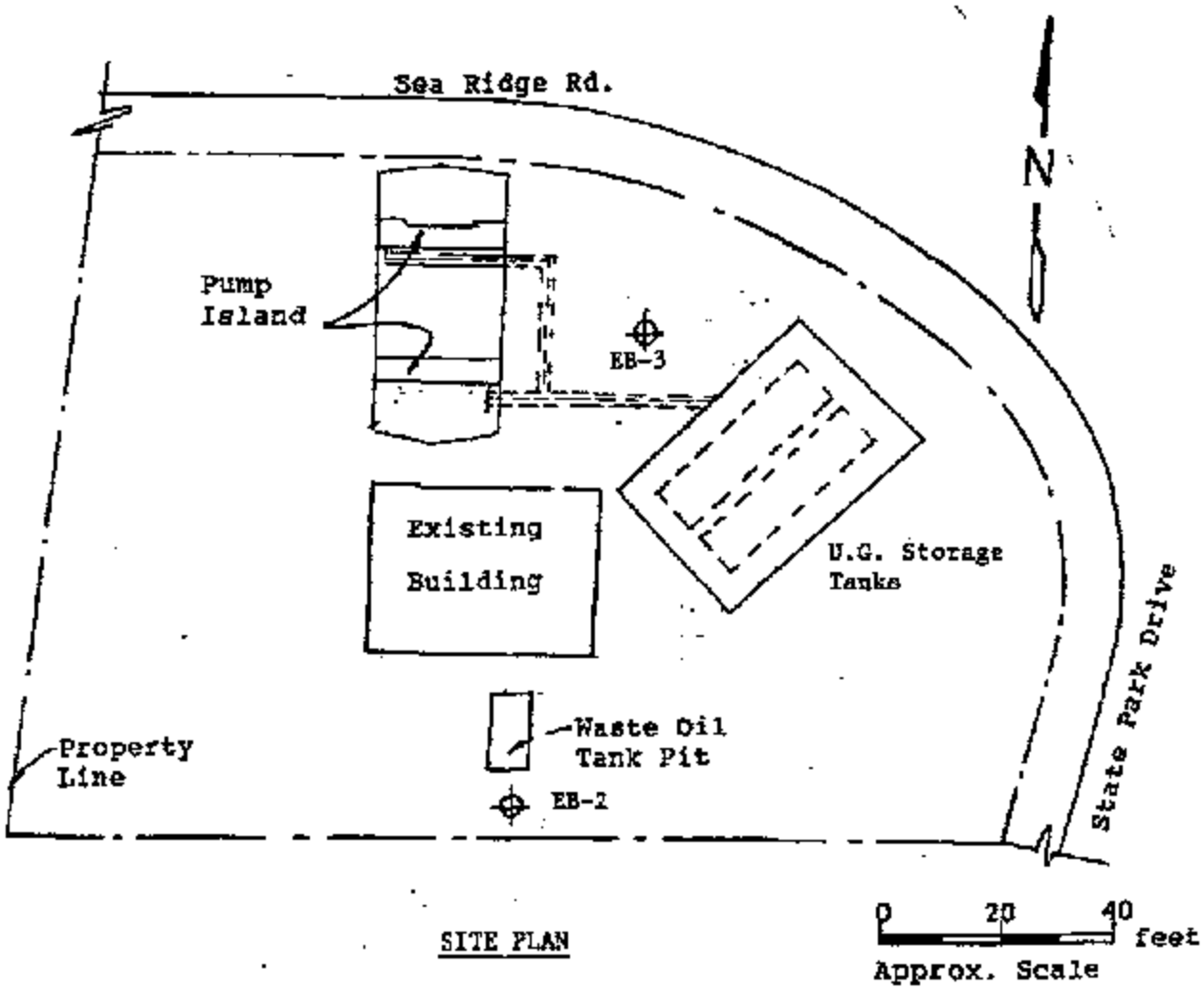

SITE PLAN

⊕ Exploratory Boring

Unocal Service Station #5876
201 Sea Ridge Road
Aptos, California

BORING LOG

Project No. KEI-P88-0712A-I	Boring & Casing Diameter 8 in.	Logged By: J. Yang
Project Name Unocal #5876	Well Head Elevation	Date Drilled 10/21/88
Boring No. EB-2	Drilling Method Hollow stem	Depth to Ground Water Not encountered

Penetration blows/ft	G. W. level	Depth (ft) Samples	Stratigraphy USCS	Description
		0		ASPHALT
			SM	SILTY SAND: dark brown
29		5		
12		10		
9		15		
8		20	CL/CH	SILTY CLAY: light brown, medium to high plasticity
14		25		
			SM	SILTY SAND: brown
13		30		
46		35	SP	SAND: brown, well sorted
41		40		

BORING LOG

Project No. KEI-P88-0712A-1	Boring & Casing Diameter	Logged By:
Project Name Unocal #5876	Well Head Elevation	Date Drilled 10-21-88
Boring No. EB-2	Drilling Method	Depth to Ground Water

Penetration blows/ft	G. W. level	Depth (ft) Samples	Stratigraphy USCS	Description
		40	SP	SAND: as above
61		45		
87		50		TOTAL DEPTH 50 FEET
		55		
		60		
		65		
		70		
		75		
		80		

BORING LOG

Project No. KEI-P88-0712A-1	Boring & Casing Diameter 8 in.	Logged By: J. Yang
Project Name Unocal #5876	Well Head Elevation	Date Drilled 10-21-88
Boring No. EB-3	Drilling Method Hollow stem	Depth to Ground Water Not encountered

Penetration blows/ft	G. W. level	Depth (ft) Samples	Stratigraphy USCS	Description
		0		ASPHALT
			SM	SILTY SAND: brown
18		5		
11		10		
21		15		
17		20		
17		25		
17		30	SP	SAND: brown, well sorted
44		35		
30		40		

BORING LOG

Project No. KEI-p88-0712A-1	Boring & Casing Diameter 8 in.	Logged By:
Project Name Unocal #5876	Well Head Elevation	Date Drilled 10-21-88
Boring No. EB-3	Drilling Method	Depth to Ground Water

Penetration blows/ft	G. W. level	Depth (ft) Samples	Strati-graphy USCS	Description
		40	SP	SAND: as above
38		45		
75		50		TOTAL DEPTH 50 FEET
		55		
		60		
		65		
		70		
		75		
		80		

Key To Boring Logs

PRIMARY DIVISIONS			GROUP SYMBOL	SECONDARY DIVISIONS
COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE	CLEAN GRAVELS (LESS THAN 5% FINES)	GW	Well graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVEL WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE	CLEAN SANDS (LESS THAN 5% FINES)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES	SM	Silty sands, sand-silt mixtures, non-plastic fines.
			SC	Clayey sands, sand-clay mixtures, plastic fines.
FINE GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT IS LESS THAN 50%		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS LIQUID LIMIT IS GREATER THAN 50%		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

DEFINITION OF TERMS

U.S. STANDARD SERIES SIEVE: 200, 40, 10, 4

CLEAR SQUARE SIEVE OPENINGS: 3/4", 3", 12"

SILTS AND CLAYS	SAND			GRAVEL		COBBLES	BOULDER
	FINE	MEDIUM	COARSE	FINE	COARSE		

GRAIN SIZES

SANDS AND GRAVELS	BLOWS/FOOT[1]
VERY LOOSE	0 - 4
LOOSE	4 - 10
MEDIUM DENSE	10 - 30
DENSE	30 - 50
VERY DENSE	OVER 50

RELATIVE DENSITY

SILTS AND CLAYS	STRENGTH	BLOWS/FOOT[1]
VERY SOFT	0 - 1/4	0 - 2
SOFT	1/4 - 1/2	2 - 4
FIRM	1/2 - 1	4 - 8
STIFF	1 - 2	8 - 16
VERY STIFF	2 - 4	16 - 32
HARD	OVER 4	OVER 32

CONSISTENCY

[1] Number of blows of 140 pound hammer falling 30 inches to drive a 2 inch O.D. (1-3/8 inch I.D.) split spoon

UNIFIED SOIL CLASSIFICATION SYSTEM

Soil sample, not retained
Soil sample, retained for analysis

Soil sample, not recovered

Soil Color derived from the MUNSELL Soil Color Charts