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Alameda County
Environmental Health

February 16, 1996

FILE #	5325	SS	X	BP	
RPT	X	QM		TRANSMITTAL	
1	2	3	4	5	6

Mr. Dave DeWitt
Unocal Corporation
P. O. Box 5155
San Ramon, California 94583

Subject: Limited Groundwater Study at Unocal Station No. 5325, 3220 Lakeshore Avenue, Oakland, California

Mr. DeWitt:

At the request of Unocal Corporation (Unocal), GeoStrategies (GSI) performed a study at the above referenced site (Figure 1) to assess whether groundwater beneath the subject site is affected by tidal influences from Lake Merritt. In addition, GSI attempted to assess the potential for petroleum hydrocarbons from other sites in the vicinity to have impacted the subject site. The scope of the work performed included: evaluating data from publicly available databases on hydrocarbon-impacted sites; continuously measuring groundwater levels in wells U-3 and U-4 for approximately 1.7 days; performing limited visual assessment of properties in the immediate site vicinity; and evaluating the data and preparing a report.

Site Review

To evaluate properties in the vicinity of the subject site as potential off-site sources of petroleum hydrocarbons, GSI obtained a Site Assessment Plus report from Vista Information Solutions, Inc. (Vista) of San Diego, California. Vista performed their computerized database search on October 12, 1995. A listing of the databases searched by Vista is included in their report (attached).

Vista does not list any active leaking underground storage tank sites upgradient (southeast) of the subject site. Cross-gradient the York Street Apartments, situated 0.14 miles to the east-northeast (Vista Map ID #7) had a leaking diesel tank, but this site has been closed. Ken Betts #9, situated 0.23 miles east of the subject site (Vista map ID #9) has three 10,000-gallon gasoline, one 10,000-gallon diesel, and one 1,000-gallon oil tanks active at the site, but this site is not included on the leaking underground storage tank list.

UN5325.rpt
4814.04-1

Situated cross-gradient to the south-southwest the Kong property (Vista map ID #2) had a leaking diesel tank. A Chevron station situated southwest of the subject site (Vista map ID #3) with three 10,000-gallon gasoline and one 10,000-gallon diesel active at the site appears to be in the preliminary assessment stage of investigating hydrocarbon impact at their site. A Shell station and auto repair shop appears to have operated across the street from the subject site (Vista map IDs #1A and #1B). It appears that three 10,000-gallon gasoline tanks and one waste oil tank have been removed from the site. The status of this site is also unreported.

Water Level Monitoring

To assess the possible affect of Lake Merritt on the groundwater beneath the subject site and evaluate conditions in wells MW-3 and MW-4, GSI monitored groundwater elevations in these wells. Measurements were collected with an In-Situ Inc. Model SP4000 Troll submersible intelligent probe. Probes were placed in both wells on October 18, 1995 and allowed to collect data continuously every ten minutes for approximately 1.7 days. Locations of the wells are shown on the Site Plan (Figure 2). Copies of the Troll data files are attached. A plot of groundwater elevations versus time is attached. (Figure 3).

Groundwater elevations in well MW-3 ranged from -0.678 to -0.630 feet below mean sea level (msl), and in well MW-4 ranged from 0.756 to 0.920 feet above msl. As shown on Figure 3, depths-to-water in both wells did not appear to fluctuate greatly after approximately 500 minutes of elapsed time. The minor fluctuations observed in the groundwater elevations in these wells do not appear to be periodic, nor do they appear to be in phase. The initial groundwater elevations in well MW-4 appear to indicate a slug effect reflecting the addition of the probe into the well. This effect is not observed in well MW-3. A review of the boring logs for wells MW-3 and MW-4 does not indicate subsurface conditions that would suggest why the slug effect is seen in well MW-4, but not in well MW-3.

Vicinity Reconnaissance

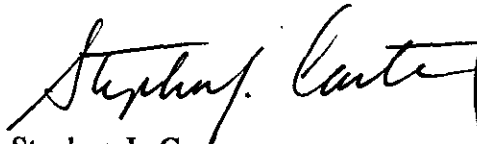
After placing the Troll units in the wells on October 18, 1995, GSI performed a limited visual examination of the properties in the vicinity of the subject site. GSI visually inspected the property at 3201 Lakeshore Avenue (Lakeshore Avenue at Rand Avenue, the location of the former Shell station, Vista map IDs #1A and #1B). The station facility has been removed and the property redeveloped. We could not ascertain where the former underground storage tanks or dispenser islands had been situated. We did not observe any groundwater monitoring wells on this property or in the public right-of-way immediately adjacent to the property.

File Review

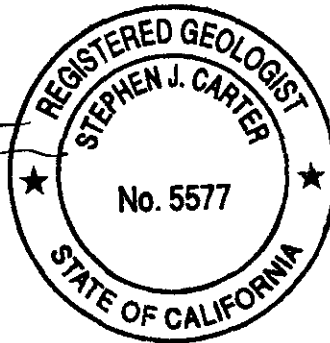
GSI contacted the Alameda County Environmental Health Department (ACEHD) and the California Regional Water Quality Control Board-San Francisco Bay Region to review their files regarding the Shell station formerly situated at 3201 Lakeshore Avenue, Oakland. Both agencies indicated that they have no files for this site. However, an EMCON Associates report (dated October 11, 1985) supplied by Unocal indicates that one groundwater monitoring well (S-1) was installed and two soil borings (S-A and S-B) were drilled in August 1985. One soil sample was collected and analyzed from borings S-A and S-B. these samples did not contain detectable concentrations of petroleum hydrocarbons. A transmittal page from Shell Oil to ACEHD indicates the tanks at this site were scheduled for removal in October 1985.

If you have questions, please contact us in our Rancho Cordova office at (916) 631-1300.

Sincerely,
GeoStrategies

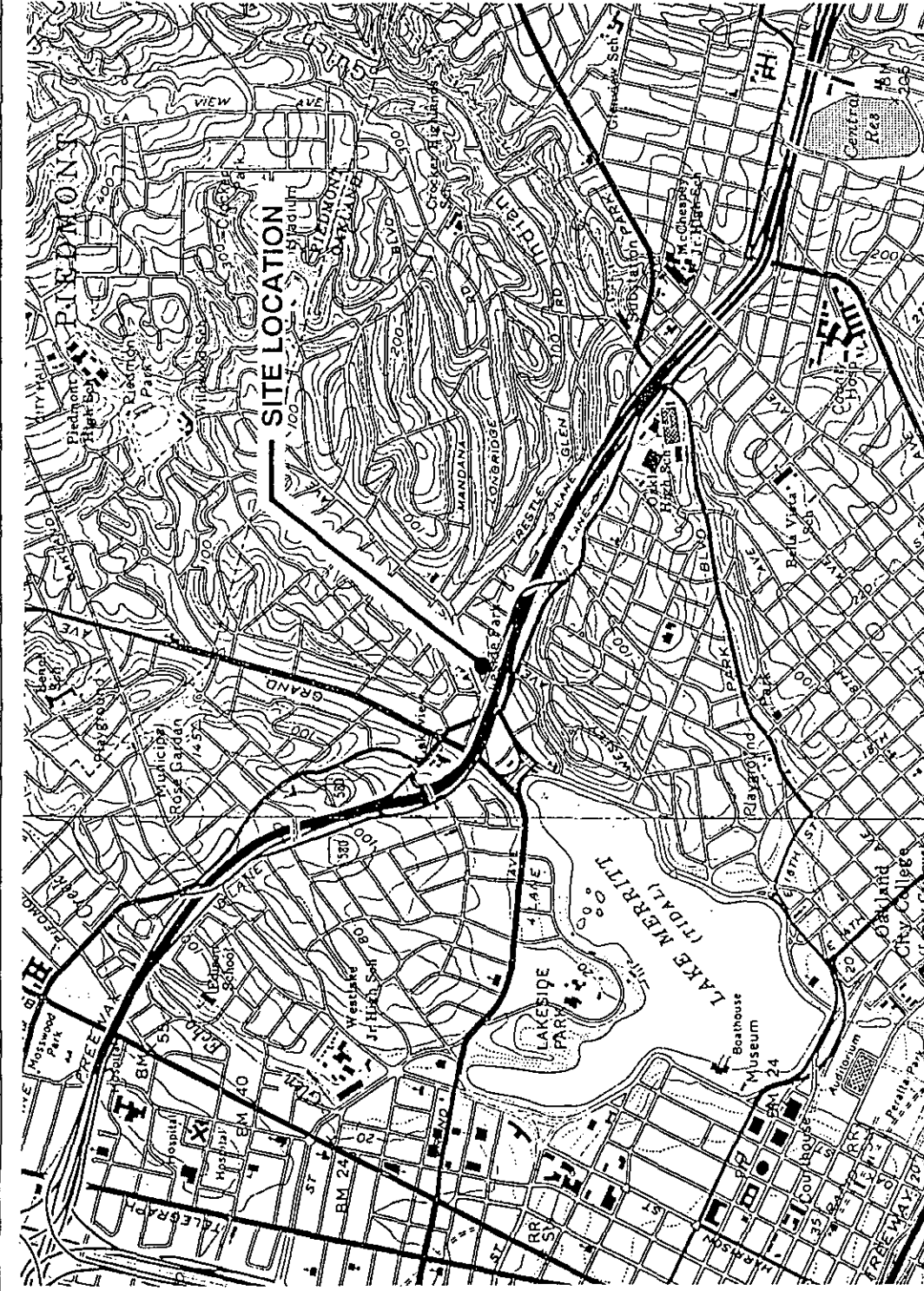
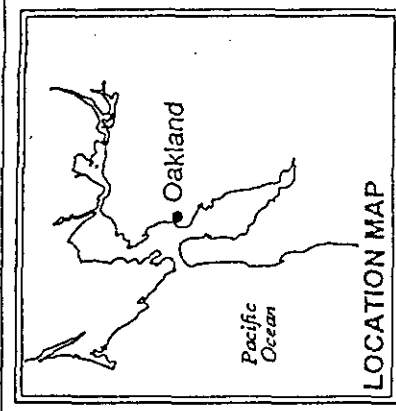


Stephen J. Carter
Project Geologist
R.G. 5577



Greg A. Gurss
Project Manager

Attachments: Figure 1. Vicinity Map
Figure 2. Site Plan
Figure 3. Unocal #5325: Groundwater Elevations vs. Time
Vista Report
Troll data



Approximate Scale: 1" = 2000'

Base Map: USGS Topographic Map

PLATE

1

Vicinity Map
 UNOCAL Service Station #5325
 3220 Lakeshore Avenue
 Oakland, California

GeoStrategies Inc.



REVISION DATE

DATE
6/90

REVIEWED BY RG/CEG

JOB NUMBER
7814

LAKESHORE AVENUE

EXPLANATION

◆ Groundwater monitoring well

● Soil boring

◆ U-6

◆ U-5

◆ U-2

◆ U-1

SERVICE ISLAND W/CANOPY

● U-C

FORMER U.G. TANK SITE

● U-A

● U-B

FORMER W.O. TANK SITE

◆ U-3

UNOCAL SERVICE STATION BUILDING

COMMERCIAL BUILDING

LAKE PARK AVENUE

SERVICE ISLAND W/CANOPY

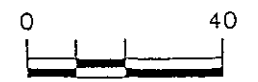
◆ U-4

FENCE

FENCE

APPROXIMATE PROPERTY LINE

Base Map: UNOCAL General Arrangement Plan dated 7-8-66, Rev. 12-4-84 and field observations.



Scale in Feet



GeoStrategies Inc.

SITE PLAN
UNOCAL Service Station #5325
3220 Lakeshore Avenue
Oakland, California

FIGURE

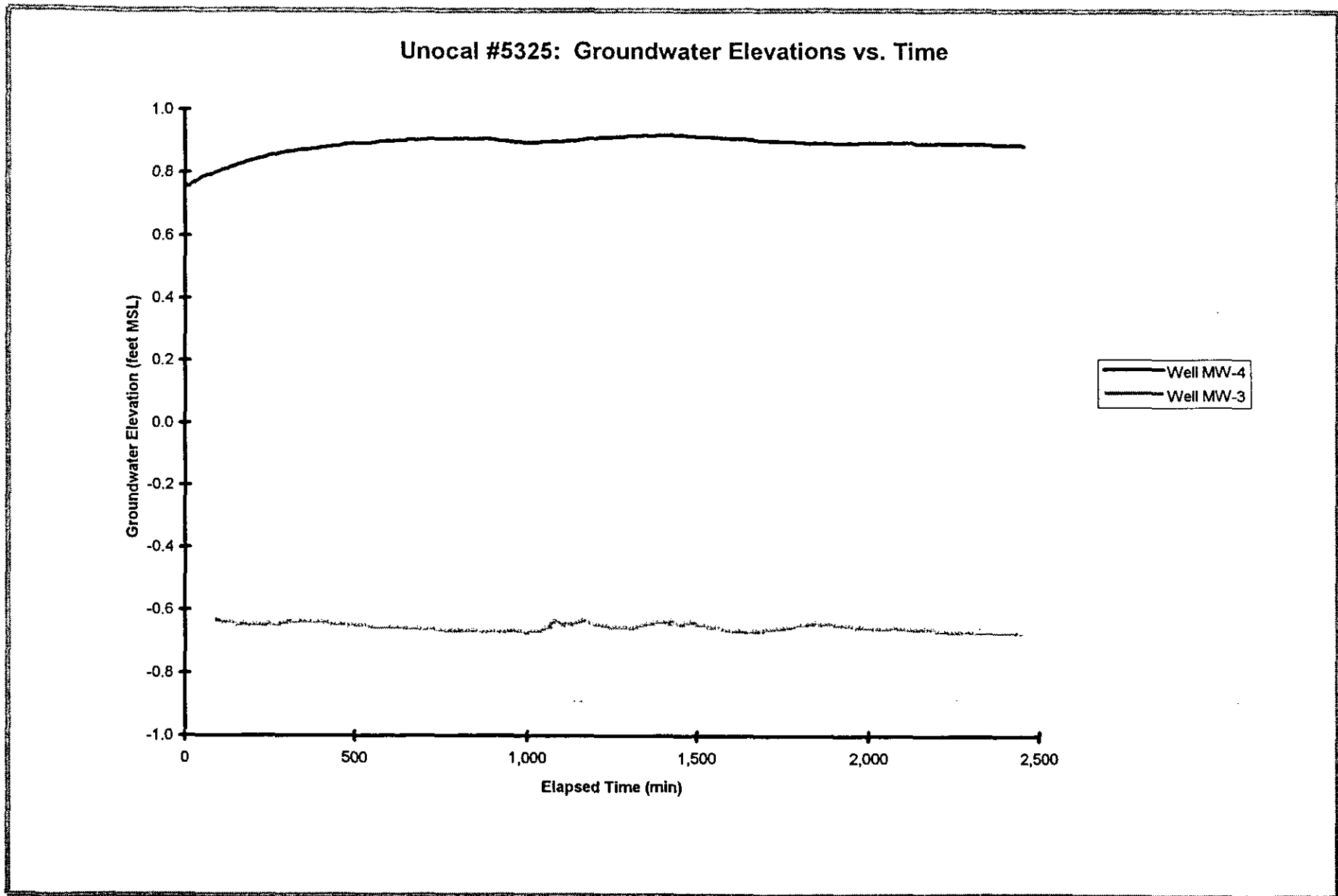
2

JOB NUMBER
781402

REVIEWED BY

DATE
7/94

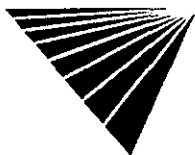
REVISED DATE

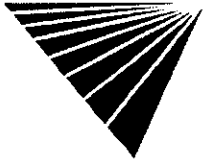


SITE ASSESSMENT PLUS REPORT

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: 4814.04 UNOCAL STATION # 5323 3220 LAKESHORE AVE OAKLAND, CA 94610 Cross Street: LAKE PARK AVE Latitude/Longitude: (37.810600, 122.245320)	STEVE CARTER GEOSTRATEGIES-RANCHO CORDOVA 3035 PROSPECT PARK DR STE 110 RANCHO CORDOVA, CA 95670

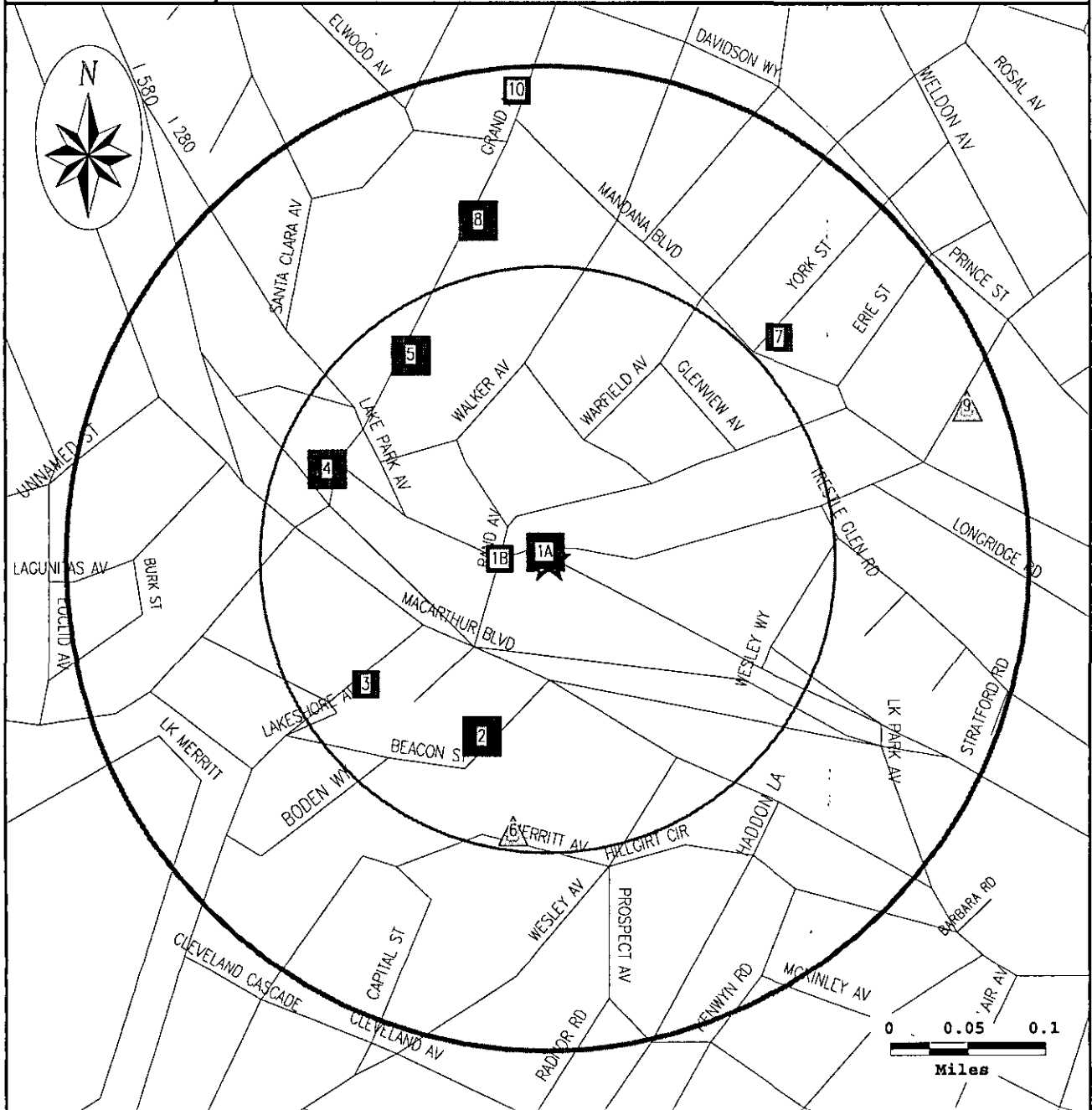
Site Distribution Summary	<i>within 1/8 mile</i>	<i>1/8 to 1/4 mile</i>	<i>1/4 to 1/2 mile</i>	<i>1/2 to 1 mile</i>
Agency / Database - Type of Records				
A) Databases searched to 1 mile:				
US EPA NPL National Priority List	0	0	0	0
US EPA CORRACTS RCRA Corrective Actions	0	0	0	0
US EPA TSD RCRA permitted treatment, storage, disposal facilities	0	0	0	0
STATE SPL State equivalent priority list	0	0	0	0
B) Databases searched to 1/2 mile:				
US EPA CERCLIS Sites under review by US EPA	0	0	0	-
STATE SCL State equivalent CERCLIS list	0	0	0	-
STATE REG LUST Leaking Underground Storage Tanks CO	7	3	6	-
STATE/ REG/CO SWLF Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	-
STATE DEED RSTR Sites with deed restrictions	0	0	0	-
REGIONAL NORTH BAY Sites on North Bay Toxic List	0	0	0	-
REGIONAL SOUTH BAY Sites on South Bay Toxic List	0	0	0	-
STATE CORTESE State index of properties with hazardous waste	4	0	3	-
STATE TOXIC PITS Toxic Pits cleanup facilities	0	0	0	-
C) Databases searched to 1/4 mile:				
US EPA RCRA Viol RCRA violations/enforcement actions	0	0	-	-
US EPA TRIS Toxic Release Inventory database	0	0	-	-
STATE UST/AST Registered underground or aboveground storage tanks	6	2	-	-





SITE ASSESSMENT PLUS REPORT

Map of Sites within Quarter Mile

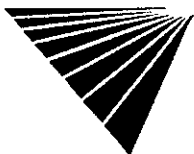


Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	△	○
	Multiple Sites	◆◆	■■	△△	○○
Roads Highways Railroads Rivers or Water Bodies Utilities		NPL, SPL, TSD, CORRACTS	CERCLIS, SCL, LUST, SWLF	TRIS, UST	ERNS, GENERATORS
<p>If additional databases are listed in the cover page of the report they are also displayed on this map. The map symbol used corresponds to the database category letter A,B,C,D.</p>					

SITE ASSESSMENT PLUS REPORT

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	A			B					C			D					
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS
1A	UNOCAL 3220 LAKESHORE AVE OAKLAND, CA 94610	4825135 0.00 MI ADJACENT						X					X						
1A	UNOCAL 3220 LAKESHORE AVE OAKLAND, CA 94610	1255006 0.00 MI ADJACENT						X										X	
1A	THIAT 'JOE' LIANG (DBA JOE'S S 3201 LAKESHORE OAKLAND, CA 94610	3198072 0.00 MI ADJACENT																X	
1B	SHELL RAND LAKESHORE AVE OAKLAND, CA	930223 0.00 MI ADJACENT						X					X						
2	KONG CATHERINE GEO 637 BEACON ST OAKLAND, CA 94610	5351852 0.0 MI SW											X						
2	KONG, CATHERINE GEO 637 BEACON OAKLAND, CA 94610	1176297 0.0 MI SW						X											
3	CHEVRON 3026 LAKESHORE BOULEVARD OAKLAND, CA 94610	930196 0.0 MI SW						X										X	
4	KRAFT AUTOMOTIVE 1345 GRAND OAKLAND, CA 94610	232494 0.0 MI W						X										X	
4	LEWIS CONSTRUCTION COMPANY 1345 GRAND AVE OAKLAND, CA 94610	930253 0.0 MI W						X											
4	KRAFT AUTOMOTIVE 1375 GRAND OAKLAND, CA 94610	1251531 0.0 MI W																X	
5	PGE 3234 GRAND AVE OAKLAND, CA 94610	5354868 0.0 MI NW						X											
5	UNKNOWN 3234 GRAND AVE OAKLAND, CA 94610	930185 0.0 MI NW											X						
5	CARSONS MARTINIZING 3250 GRAND AVE OAKLAND, CA 94610	72141 0.10 MI NW																	X
6	QUIK STOP #52 401 MERRITT OAKLAND, CA 94610	3199699 0.11 MI S																X	



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 081155-001

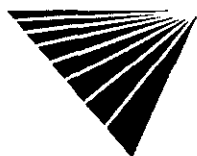
Date of Report: August 12, 1995

Version 2.4

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MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	VISTA ID DISTANCE DIRECTION	A			B					C			D					
			NPL	CORTRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS
7	YORK STREET APARTMENTS 800 YORK ST OAKLAND, CA 94610	3080937 0.14 MI NE						X											
8	UNION OIL SS #3443 3374 GRAND OAKLAND, CA 94610	1254938 0.16 MI N															X		
8	UNOCAL 3374 GRAND AVE OAKLAND, CA 94610	5354869 0.16 MI N						X											
9	KEN BETTS #9 3500 LAKESHORE OAKLAND, CA 94610	4031659 0.23 MI E															X		
10	TAYMUREE FOREIGN AUTO CTR 3509 GRAND AVE OAKLAND, CA 94610	418142 0.23 MI N						X											•

MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	A			B					C			D					
			NPL	CORTRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS
11	TEXACO 500 GRAND AVE OAKLAND, CA 94610	5354860 0.27 MI W						X											
12	GULF SERVICE STATION 460 GRAND AVE OAKLAND, CA 94610	3982219 0.32 MI W						X					X						
12	LAKESIDE PARK 468 BELLEVUE AVE OAKLAND, CA 94610	5352081 0.33 MI W											X						
12	LAKESIDE PARK 468 BELLEVUE OAKLAND, CA 94610	1176536 0.33 MI W						X											
13	SMITH PROPERTY 299 EUCLID AVE OAKLAND, CA 94610	4985680 0.42 MI NW						X											
14	QUIK STOP MARKET 363 GRAND AVE OAKLAND, CA 94610	930186 0.47 MI W						X					X						
14	SHELL 350 GRAND AVE OAKLAND, CA 94610	1585108 0.49 MI W						X											



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

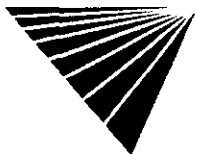
Report ID: 081155-001

Date of Report: August 12, 1995

Version 2.4

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MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)	A				B				C		D										
		VISTA ID	DISTANCE	DIRECTION	NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
No Records Found																						



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

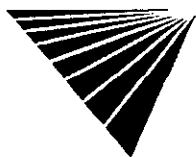
Report ID: 081155-001

Date of Report: August 12, 1995

Version 2.4

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UNMAPPED SITES	VISTA ID	A			B						C			D					
		NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
PACIFIC BELL ROUND TOP PIEDMONT, CA 94611	314641																		X
INDUSTRIAL ASPHALT FACILITY PLEASANTON, CA	4570436									X									
MONTGOMERY WARD CO VARIOUS LOCATIONS OAKLAND, CA 94000	282738																		X
INDUSTRIAL ASPHALT FACILITY PLEASANTON, CA	1602940						X												
INDUSTRIAL ASPHALT FACILITY PLEASANTON, CA	4822660								X										
ALAMEDA CELLARS VARIOUS LOCATIONS OAKLAND, CA 940000000	5359752											X							
RANCHO MONTE ALEGRE VARIOUS LOCATIONS OAKLAND, CA 940000000	5359753											X							
STERO COMPANY VARIOUS LOCATIONS OAKLAND, CA 940000000	5359754											X							
PACIFIC BELL BAY BRIDGE PLAZA OAKLAND, CA 94600	314508																		X
PACIFIC BELL ROUND TOP ATT COMPANY PIEDMONT, CA 94611	1601446																		X
PACIFIC BELL ROUND TOP FORMERLY KRE OAKLAND PIEDMONT, CA 94611	1601456																		X
AT T COMMUNICATIONS INC 5.3 MI NE OF OAKLAND, CA 94600	481526																		X
INDUSTRIAL ASPHALT FACILITY PLEASANTON, CA	4982523						X												



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 081155-001

Date of Report: August 12, 1995

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SITE ASSESSMENT PLUS REPORT

DETAILS

PROPERTY AND THE ADJACENT AREA (within 1/8 mile)

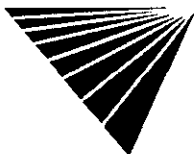
VISTA Address*:	UNOCAL 3220 LAKESHORE AVE OAKLAND, CA 94610	VISTA ID#:	4825135
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295		Agency ID:	01-1588
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Discovery Date:	JULY 18, 1990		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	STRUCTURAL FAILURE		
Leak Source:	UNDERGROUND TANK		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
List Name:	LEAKING TANK		
Site ID:	INV-ID01-001695		
VISTA Address*:	UNOCAL 3220 LAKESHORE AVE OAKLAND, CA 94610	VISTA ID#:	1255006
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	1059
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	UNOCAL SS #5325 3220 LAKESHORE OAKLAND, CA 94610		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

Map ID

1A

Map ID

1A



* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 081155-001

Date of Report: August 12, 1995

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PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Tank ID:	1	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	12000 (GALLONS)	Tank Material:	STEEL
Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	12000 (GALLONS)	Tank Material:	STEEL
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	500 (GALLONS)	Tank Material:	STEEL

VISTA Address*:	THIAT 'JOE' LIANG (DBA JOE'S S 3201 LAKESHORE OAKLAND, CA 94610	VISTA ID#:	3198072
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A

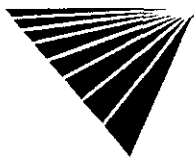
Map ID
1A

Agency Address:	SAME AS ABOVE		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	2	Tank Status:	CLOSED REMOVED
Tank Contents:	LEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	3	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS

VISTA Address*:	SHELL RAND LAKESHORE AVE OAKLAND, CA	VISTA ID#:	930223
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		EPA/Agency ID:	N/A

Map ID
1B

Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	GROUNDWATER		
Substance:	WASTE OIL		
Leak Cause:	UNAVAILABLE		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	LEAK BEING CONFIRMED		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		



* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 081155-001

Date of Report: August 12, 1995

Version 2.4

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PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295	Agency ID:	01-1325
--	-------------------	---------

Agency Address:	SHELL RAND & LAKESHORE AV OAKLAND, CA 94610
Tank Status:	NOT AVAILABLE
Discovery Date:	NOVEMBER 3, 1986
Media Affected:	GROUNDWATER
Substance:	WASTE OIL
Leak Cause:	STRUCTURAL FAILURE
Leak Source:	UNDERGROUND TANK
Remedial Action:	EXCAVATE DISPOSE
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
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Agency Address:	SAME AS ABOVE
List Name:	LEAKING TANK
Site ID:	INV-ID01-001437

VISTA Address*:	KONG CATHERINE GEO 637 BEACON ST OAKLAND, CA 94610	VISTA ID#:	5351852
		Distance/Direction:	0.0 MI / SW
		Plotted as:	Point

Map ID
2

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
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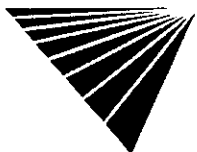
Agency Address:	SAME AS ABOVE
List Name:	LEAKING TANK
Site ID:	INV-ID01-000982

VISTA Address*:	KONG, CATHERINE GEO 637 BEACON OAKLAND, CA 94610	VISTA ID#:	1176297
		Distance/Direction:	0.0 MI / SW
		Plotted as:	Point

Map ID
2

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296	Agency ID:	3662
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Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	DIESEL
Leak Cause:	UNAVAILABLE
Remedial Action:	EXCAVATE DISPOSE
Remedial Status 1:	REM ACTION PLAN
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source



* VISTA address includes enhanced city and ZIP.

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PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295		Agency ID:	01-0866
Agency Address:	KONG, CATHERINE GEO 637 BEACON ST OAKLAND, CA 94610		
Tank Status:	NOT AVAILABLE		
Discovery Date:	DECEMBER 1, 1988		
Media Affected:	SOIL/SAND/LAND		
Substance:	DIESEL		
Leak Cause:	UNKNOWN		
Leak Source:	UNDERGROUND TANK		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	REM ACTION PLAN		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

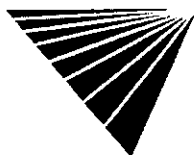
VISTA Address*:	CHEVRON 3026 LAKESHORE BOULEVARD OAKLAND, CA 94610	VISTA ID#:	930196
		Distance/Direction:	0.0 MI / SW
		Plotted as:	Point

Map ID
3

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	3628
Agency Address:	CHEVRON 3026 LAKESHORE BOULEVARD OAKLAND, CA		
Tank Status:	NOT AVAILABLE		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295		Agency ID:	01-0356
Agency Address:	CHEVRON 3026 LAKESHORE AVE OAKLAND, CA 94610		
Tank Status:	NOT AVAILABLE		
Discovery Date:	OCTOBER 26, 1984		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	STRUCTURAL FAILURE		
Leak Source:	UNDERGROUND TANK		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	CHEVRON #0121 3026 LAKESHORE OAKLAND, CA 94610		
Underground Tanks:	4		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		



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PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Tank ID:	1	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	4	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS

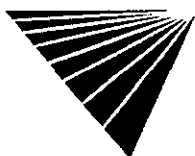
VISTA Address*:	KRAFT AUTOMOTIVE 1345 GRAND OAKLAND, CA 94610	VISTA ID#:	232494
		Distance/Direction:	0.0 MI / W
		Plotted as:	Point

Map ID

4

STATE UST - State Underground Storage Tank / SRC# 1612	EPA/Agency ID:	N/A
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Agency Address:	KRAFT AUTOMOTIVE 1345 GRAND PIEDMONT, CA 94610		
Underground Tanks:	4		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	2	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	3	Tank Status:	CLOSED REMOVED
Tank Contents:	DIESEL	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	5000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	4	Tank Status:	CLOSED REMOVED
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	Tank Material:	BARE STEEL



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PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address*:	LEWIS CONSTRUCTION COMPANY 1345 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	930253
		Distance/Direction:	0.0 MI / W
		Plotted as:	Point

Map ID

4

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296	Agency ID:	426
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Agency Address:	LEWIS CONSTRUCTION COMPANY 1345 GRAND AVE PIEDMONT, CA
Tank Status:	NOT AVAILABLE
Media Affected:	GROUNDWATER
Substance:	WASTE OIL
Leak Cause:	UNAVAILABLE
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	REM ACTION PLAN
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295	Agency ID:	01-0903
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Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Discovery Date:	JUNE 26, 1986
Media Affected:	GROUNDWATER
Substance:	WASTE OIL
Leak Cause:	STRUCTURAL FAILURE
Leak Source:	UNDERGROUND TANK
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	REM ACTION PLAN
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

VISTA Address*:	KRAFT AUTOMOTIVE 1375 GRAND OAKLAND, CA 94610	VISTA ID#:	1251531
		Distance/Direction:	0.0 MI / W
		Plotted as:	Point

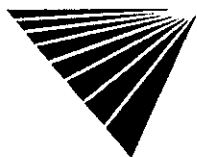
Map ID

4

STATE UST - State Underground Storage Tank / SRC# 1612	EPA/Agency ID:	N/A
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Agency Address:	KRAFT AUTOMOTIVE 1375 GRAND PIEDMONT, CA 94610
Underground Tanks:	4
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1	Tank Status:	CLOSED REMOVED
Tank Contents:	EMPTY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2	Tank Status:	CLOSED REMOVED
Tank Contents:	EMPTY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	3	Tank Status:	CLOSED REMOVED
Tank Contents:	EMPTY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS



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PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Tank ID:	4	Tank Status:	CLOSED REMOVED
Tank Contents:	EMPTY	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*:	PGE 3234 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	5354868
		Distance/Direction:	0.0 MI / NW
		Plotted as:	Point

Map ID
5

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296	EPA/Agency ID:	N/A
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Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	OTHER AUTO FUELS,OILS,FLUIDS
Leak Cause:	UNAVAILABLE
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295	Agency ID:	01-1562
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Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Discovery Date:	JUNE 11, 1987
Media Affected:	SOIL/SAND/LAND
Substance:	OTHER AUTO FUELS,OILS,FLUIDS
Leak Cause:	STRUCTURAL FAILURE
Leak Source:	UNDERGROUND TANK
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

VISTA Address*:	UNKNOWN 3234 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	930185
		Distance/Direction:	0.0 MI / NW
		Plotted as:	Point

Map ID
5

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
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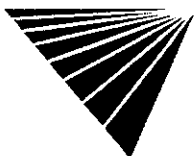
Agency Address:	UNKNOWN 3234 GRAND AVE OAKLAND, CA
List Name:	LEAKING TANK
Site ID:	INV-ID01-001674

VISTA Address*:	CARSONS MARTINIZING 3250 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	72141
		Distance/Direction:	0.10 MI / NW
		Plotted as:	Point

Map ID
5

RCRA-SmGen - RCRA-Small Generator / SRC# 2271	EPA ID:	CAD981396104
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Agency Address:	SAME AS ABOVE
Generator Class:	GENERATORS WHO GENERATE 100 KG/MONTH BUT LESS THAN 1000 KG/MONTH OF NON-ACUTELY HAZARDOUS WASTE



PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address*:	QUIK STOP #52		VISTA ID#:	3199699
	401 MERRITT		Distance/Direction:	0.11 MI / S
	OAKLAND, CA 94610		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612			EPA/Agency ID:	N/A
Agency Address:		SAME AS ABOVE		
Underground Tanks:		2		
Aboveground Tanks:		NOT REPORTED		
Tanks Removed:		NOT REPORTED		
Tank ID:	1	Tank Status:	CLOSED REMOVED	
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN	
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN	
Tank Size (Units):	10000 (GALLONS)	Tank Material:	BARE STEEL	
Tank ID:	2	Tank Status:	CLOSED REMOVED	
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN	
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN	
Tank Size (Units):	10000 (GALLONS)	Tank Material:	BARE STEEL	

Map ID

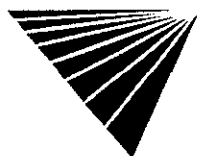
6

SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)

VISTA Address*:	YORK STREET APARTMENTS		VISTA ID#:	3080937
	800 YORK ST		Distance/Direction:	0.14 MI / NE
	OAKLAND, CA 94610		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2296			Agency ID:	3616
Agency Address:		YORK STREET APARTMENTS 800 YORK ST OAKLAND, CA		
Tank Status:		NOT AVAILABLE		
Media Affected:		GROUNDWATER		
Substance:		DIESEL		
Leak Cause:		UNAVAILABLE		
Remedial Action:		EXCAVATE DISPOSE		
Remedial Status 1:		CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:		NOT AVAILABLE		
Fields Not Reported:		Discovery Date, Quantity (Units), Leak Source		
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295			Agency ID:	01-1689
Agency Address:		YORK STREET APARTMENTS 800 YORK ST OAKLAND, CA 94602		
Tank Status:		NOT AVAILABLE		
Discovery Date:		JULY 29, 1991		
Media Affected:		GROUNDWATER		
Substance:		DIESEL		
Leak Cause:		STRUCTURAL FAILURE		
Leak Source:		UNDERGROUND TANK		
Remedial Action:		EXCAVATE DISPOSE		
Remedial Status 1:		CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:		NOT AVAILABLE		
Fields Not Reported:		Quantity (Units)		

Map ID

7



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SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.

VISTA Address*:	UNION OIL SS #3443 3374 GRAND OAKLAND, CA 94610	VISTA ID#:	1254938
		Distance/Direction:	0.16 MI / N
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:		SAME AS ABOVE	
Underground Tanks:		3	
Aboveground Tanks:		NOT REPORTED	
Tanks Removed:		NOT REPORTED	
Tank ID:	1	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	12000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	2	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	12000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL (NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	550 (GALLONS)	Tank Material:	BARE STEEL

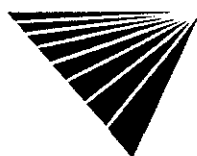
Map ID

8

VISTA Address*:	UNOCAL 3374 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	5354869
		Distance/Direction:	0.16 MI / N
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	01NCY0268
Agency Address:		SAME AS ABOVE	
Tank Status:		NOT AVAILABLE	
Media Affected:		UNKNOWN	
Substance:		WASTE OIL	
Leak Cause:		UNAVAILABLE	
Remedial Action:		NOT AVAILABLE	
Remedial Status 1:		NO ACTION TAKEN BY RESPONSIBLE PARTY	
Remedial Status 2:		NOT AVAILABLE	
Fields Not Reported:		Discovery Date, Quantity (Units), Leak Source	
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295		Agency ID:	01NCY0268
Agency Address:		SAME AS ABOVE	
Tank Status:		NOT AVAILABLE	
Discovery Date:		MARCH 28, 1994	
Media Affected:		UNKNOWN	
Substance:		WASTE OIL	
Leak Cause:		UNKNOWN	
Leak Source:		UNDERGROUND TANK	
Remedial Action:		NOT AVAILABLE	
Remedial Status 1:		NO ACTION TAKEN BY RESPONSIBLE PARTY	
Remedial Status 2:		NOT AVAILABLE	
Fields Not Reported:		Quantity (Units)	

Map ID

8



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SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.

VISTA Address*:	KEN BETTS #9 3500 LAKESHORE OAKLAND, CA 94610	VISTA ID#:	4031659
		Distance/Direction:	0.23 MI / E
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:		SAME AS ABOVE	
Underground Tanks:		5	
Aboveground Tanks:		NOT REPORTED	
Tanks Removed:		NOT REPORTED	
Tank ID:	3	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	4	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	5	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	6	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	FIBERGLASS
Tank ID:	7	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	1000 (GALLONS)	Tank Material:	FIBERGLASS

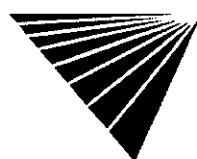
Map ID

9

VISTA Address*:	TAYMUREE FOREIGN AUTO CTR 3509 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	418142
		Distance/Direction:	0.23 MI / N
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	429
Agency Address:		SAME AS ABOVE	
Tank Status:		NOT AVAILABLE	
Media Affected:		GROUNDWATER	
Substance:		GASOLINE (UNSPECIFIED)	
Leak Cause:		UNAVAILABLE	
Remedial Action:		EXCAVATE DISPOSE	
Remedial Status 1:		CASE CLOSED/CLEANUP COMPLETE	
Remedial Status 2:		NOT AVAILABLE	
Fields Not Reported:		Discovery Date, Quantity (Units), Leak Source	

Map ID

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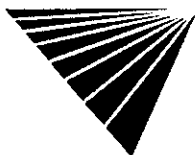
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SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295		Agency ID:	01-1450
Agency Address:	TAYMURREE FOREIGN AUTO CTR. 3509 GRAND AVE OAKLAND, CA 94610		
Tank Status:	NOT AVAILABLE		
Discovery Date:	FEBRUARY 23, 1990		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	STRUCTURAL FAILURE		
Leak Source:	UNDERGROUND TANK		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)

VISTA Address*:	TEXACO 500 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	5354860	Map ID 11
		Distance/Direction:	0.27 MI / W	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	1109	
Agency Address:	SAME AS ABOVE			
Tank Status:	NOT AVAILABLE			
Media Affected:	GROUNDWATER			
Substance:	GASOLINE (UNSPECIFIED)			
Leak Cause:	UNAVAILABLE			
Remedial Action:	EXCAVATE DISPOSE			
Remedial Status 1:	CONTAMINATION ASSESSMENT			
Remedial Status 2:	NOT AVAILABLE			
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source			
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295		Agency ID:	01-1467	
Agency Address:	SAME AS ABOVE			
Tank Status:	NOT AVAILABLE			
Discovery Date:	NOVEMBER 2, 1988			
Media Affected:	GROUNDWATER			
Substance:	GASOLINE (UNSPECIFIED)			
Leak Cause:	STRUCTURAL FAILURE			
Leak Source:	UNDERGROUND TANK			
Remedial Action:	EXCAVATE DISPOSE			
Remedial Status 1:	CONTAMINATION ASSESSMENT			
Remedial Status 2:	NOT AVAILABLE			
Fields Not Reported:	Quantity (Units)			



* VISTA address includes enhanced city and ZIP.

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SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

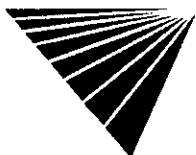
VISTA Address*:	GULF SERVICE STATION 460 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	3982219
		Distance/Direction:	0.32 MI / W
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	3615
Agency Address:	GULF SERVICE STATION 460 GRAND AVE OAKLAND, CA		
Tank Status:	NOT AVAILABLE		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295		Agency ID:	01-0611
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Discovery Date:	FEBRUARY 4, 1990		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	STRUCTURAL FAILURE		
Leak Source:	UNDERGROUND TANK		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	GULF SERVICE STATION 460 GRAND AVE OAKLAND, CA 94612		
List Name:	LEAKING TANK		
Site ID:	INV-ID01-000856		
VISTA Address*:	LAKESIDE PARK 468 BELLEVUE AVE OAKLAND, CA 94610	VISTA ID#:	5352081
		Distance/Direction:	0.33 MI / W
		Plotted as:	Point
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	LAKESIDE PARK 468 BELLEVUE AVE OAKLAND, CA		
List Name:	LEAKING TANK		
Site ID:	INV-ID01-000994		

Map ID

12

Map ID

12



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SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

VISTA Address*:	LAKESIDE PARK 468 BELLEVUE OAKLAND, CA 94610	VISTA ID#:	1176536
		Distance/Direction:	0.33 MI / W
		Plotted as:	Point

Map ID

12

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296	EPA/Agency ID:	N/A
--	----------------	-----

Agency Address: SAME AS ABOVE
 Tank Status: NOT AVAILABLE
 Media Affected: GROUNDWATER
 Substance: DIESEL
 Leak Cause: UNAVAILABLE
 Remedial Action: NO ACTION TAKEN
 Remedial Status 1: LEAK BEING CONFIRMED
 Remedial Status 2: NOT AVAILABLE
 Fields Not Reported: Discovery Date, Quantity (Units), Leak Source

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295	Agency ID:	01-0878
--	------------	---------

Agency Address: LAKESIDE PARK
468 BELLEVUE AVE
OAKLAND, CA 94610
 Tank Status: NOT AVAILABLE
 Discovery Date: APRIL 11, 1989
 Media Affected: GROUNDWATER
 Substance: DIESEL
 Leak Cause: STRUCTURAL FAILURE
 Leak Source: UNDERGROUND TANK
 Remedial Action: NO ACTION TAKEN
 Remedial Status 1: LEAK BEING CONFIRMED
 Remedial Status 2: NOT AVAILABLE
 Fields Not Reported: Quantity (Units)

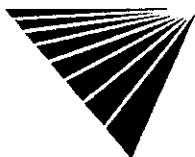
VISTA Address*:	SMITH PROPERTY 299 EUCLID AVE OAKLAND, CA 94610	VISTA ID#:	4985680
		Distance/Direction:	0.42 MI / NW
		Plotted as:	Point

Map ID

13

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296	Agency ID:	4468
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Agency Address: SAME AS ABOVE
 Tank Status: NOT AVAILABLE
 Media Affected: SOIL/SAND/LAND
 Substance: DIESEL
 Leak Cause: UNAVAILABLE
 Remedial Action: EXCAVATE DISPOSE
 Remedial Status 1: CASE CLOSED/CLEANUP COMPLETE
 Remedial Status 2: NOT AVAILABLE
 Fields Not Reported: Discovery Date, Quantity (Units), Leak Source



* VISTA address includes enhanced city and ZIP.

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SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295	Agency ID:	01-1908
Agency Address:	SAME AS ABOVE	
Tank Status:	NOT AVAILABLE	
Discovery Date:	NOVEMBER 16, 1993	
Media Affected:	SOIL/SAND/LAND	
Substance:	DIESEL	
Leak Cause:	UNKNOWN	
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY	
Remedial Action:	EXCAVATE DISPOSE	
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE	
Remedial Status 2:	NOT AVAILABLE	
Fields Not Reported:	Quantity (Units)	

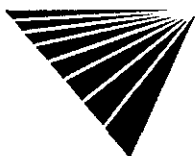
VISTA Address*:	QUIK STOP MARKET 363 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	930186
		Distance/Direction:	0.47 MI / W
		Plotted as:	Point

Map ID
14

STATE LUST - State Leaking Underground Storage Tank / SRC# 2296	Agency ID:	3798
Agency Address:	QUIK STOP MARKET 363 GRAND AVE OAKLAND, CA	
Tank Status:	NOT AVAILABLE	
Media Affected:	GROUNDWATER	
Substance:	GASOLINE (UNSPECIFIED)	
Leak Cause:	UNAVAILABLE	
Remedial Action:	PUMP TREAT (GW)	
Remedial Status 1:	CONTAMINATION ASSESSMENT	
Remedial Status 2:	NOT AVAILABLE	
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source	

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295	Agency ID:	01-1218
Agency Address:	SAME AS ABOVE	
Tank Status:	NOT AVAILABLE	
Discovery Date:	JUNE 15, 1988	
Media Affected:	GROUNDWATER	
Substance:	GASOLINE (UNSPECIFIED)	
Leak Cause:	UNKNOWN	
Leak Source:	UNDERGROUND TANK	
Remedial Action:	PUMP TREAT (GW)	
Remedial Status 1:	CONTAMINATION ASSESSMENT	
Remedial Status 2:	NOT AVAILABLE	
Fields Not Reported:	Quantity (Units)	

CORTESE / SRC# 2298	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE	
List Name:	LEAKING TANK	
Site ID:	INV-ID01-001335	



SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT.

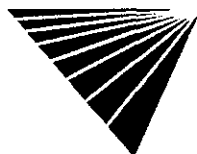
VISTA Address*:	SHELL 350 GRAND AVE OAKLAND, CA 94610	VISTA ID#:	1585108
		Distance/Direction:	0.49 MI / W
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 2296		Agency ID:	3714
Agency Address:		SHELL 350 GRAND AVE OAKLAND, CA	
Tank Status:		NOT AVAILABLE	
Media Affected:		GROUNDWATER	
Substance:		DIESEL	
Leak Cause:		UNAVAILABLE	
Remedial Action:		NO ACTION TAKEN	
Remedial Status 1:		PRELIMINARY ASSESSMENT	
Remedial Status 2:		NOT AVAILABLE	
Fields Not Reported:		Discovery Date, Quantity (Units), Leak Source	
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2295		Agency ID:	01-1360
Agency Address:		SAME AS ABOVE	
Tank Status:		NOT AVAILABLE	
Discovery Date:		SEPTEMBER 28, 1990	
Media Affected:		GROUNDWATER	
Substance:		DIESEL	
Leak Cause:		STRUCTURAL FAILURE	
Leak Source:		UNDERGROUND TANK	
Remedial Action:		NO ACTION TAKEN	
Remedial Status 1:		PRELIMINARY ASSESSMENT	
Remedial Status 2:		NOT AVAILABLE	
Fields Not Reported:		Quantity (Units)	

Map ID

14

SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile)

No Records Found



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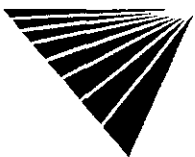
Date of Report: August 12, 1995

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UNMAPPED SITES

Records Found, No Details Displayed



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SITE ASSESSMENT PLUS REPORT

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 MILE

NPL
SRC#: 2324 VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for NPL was April, 1995.

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Dept of Health and Human Services and the US EPA in order to become an NPL site.

SPL
SRC#: 2293 VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Calsites Database: Annual Workplan Sites was April, 1995.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control. Annual Work Plan (AWP) sites and sites where Preliminary Endangerment Assessments are a high priority are included.

CORRACTS
SRC#: 2271 VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for RCRA Corrective Action Sites List was March, 1995.

The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

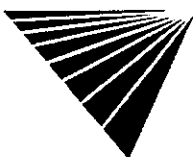
RCRA-TSD
SRC#: 2271 VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for RCRIS was March, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

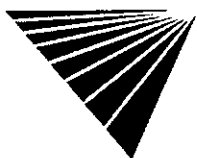
B) DATABASES SEARCHED TO 1/2 MILE

CERCLIS
SRC#: 2240 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS was March, 1995.

The CERCLIS List 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. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.



- CERCLIS**
SRC#: 2241 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for CERCLIS was March, 1995.
- NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.
- Cal Cerclis**
SRC#: 2230 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Ca Cerclis w/Regional Utility Description was January, 1995.
- This database is provided by the U.S. Environmental Protection Agency, Region 9. These are regional utility descriptions for California CERCLIS sites.
- SCL**
SRC#: 2292 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was April, 1995.
- This database is provided by the Department of Toxic Substances Control. These are lower priority than the SPL sites.
- SWLF**
SRC#: 2232 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Ca Solid Waste Information System (SWIS) was March, 1995.
- This database is provided by the Integrated Waste Management Board.
- WMUDS**
SRC#: 1734 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Waste Management Unit Database System (WMUDS) was March, 1994.
- This database is provided by the State Water Resources Control Board. This is used for program tracking and inventory of waste management units. This system contains information from the following eight main databases: Facility, Waste Management Unit, SWAT Program Information, SWAT Report Summary Information, Chapter 15 (formerly Subchapter 15), TPCA Program Information, RCRA Program Information, and Closure Information.
- LUST**
SRC#: 2296 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Lust Information System (LUSTIS) was February, 1995.
- This database is provided by the California Environmental Protection Agency.
- LUST RG5**
SRC#: 2287 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Region #5-Central Valley Underground Tank Tracking System was April, 1995.
- This database is provided by the Regional Water Quality Control Board, Region #5.
- LUST RG2**
SRC#: 2295 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Region #2-San Francisco Bay Fuel Leaks List was January, 1995.
- This database is provided by the Regional Water Quality Control Board, Region #2.



CORTESE
SRC#: 2298 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Cortese List-Hazardous Waste Substance Site List was February, 1995.

This database is provided by the Office of Environmental Protection, Office of Hazardous Materials.

Deed Restrictions
SRC#: 1703 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Deed Restriction Properties Report was April, 1994.

This database is provided by the Department of Health Services-Land Use and Air Assessment. These are voluntary deed restriction agreements with owners of property who propose building residences, schools, hospitals, or day care centers on property that is "on or within 2,000 feet of a significant disposal of hazardous waste".

Toxic Pits
SRC#: 2229 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for Summary of Toxic Pits Cleanup Facilities was February, 1995.

This database is provided by the Water Quality Control Board, Division of Loans Grants.

North Bay
SRC#: 1718 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for North Bay County Toxic List-Region #2 Surface Spills was April, 1994.

This database is provided by the Regional Water Quality Control Board, Region #2.

South Bay
SRC#: 1719 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for South Bay Site Management System was April, 1994.

This database is provided by the San Francisco Bay Region.

C) DATABASES SEARCHED TO 1/4 MILE

RCRA-Viols
SRC#: 2271 VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for RCRIS was March, 1995.

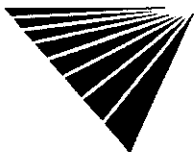
The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste.

UST's
SRC#: 1612 VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for Underground Storage Tank Registrations Database was January, 1994.

This database is provided by the State Water Resources Control Board, Office of Underground Storage Tanks.

AST's
SRC#: 2297 VISTA conducts a database search to identify all sites within 1/4 mile of your property.
The agency release date for Aboveground Storage Tank Database was February, 1995.

This database is provided by the State Water Resources Control Board.



TRIS VISTA conducts a database search to identify all sites within 1/4 mile of your property.
SRC#: 1954 The agency release date for TRIS was August, 1994.

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities(Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.

D) DATABASES SEARCHED TO 1/8 MILE

ERNS VISTA conducts a database search to identify all sites within 1/8 mile of your property.
SRC#: 2255 The agency release date for ERNS was March, 1995.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through September 1994 revealed the following information regarding reported spills of oil or hazardous substances in the stated area.

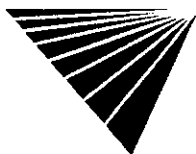
RCRA-LgGen VISTA conducts a database search to identify all sites within 1/8 mile of your property.
SRC#: 2271 The agency release date for RCRIS was March, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen VISTA conducts a database search to identify all sites within 1/8 mile of your property.
SRC#: 2271 The agency release date for RCRIS was March, 1995.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

End of Report



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Well MW-4

Wellhead Elev.: 11.15
DTW₀: 10.38

Elapsed Time	DTW (feet H ₂ O)	Corrected Elap. Time	GWE (feet MSL)
0			
10			
20			
30	10.380	0	0.770
40	10.394	10	0.756
50	10.385	20	0.765
60	10.379	30	0.771
70	10.373	40	0.777
80	10.366	50	0.784
90	10.362	60	0.788
100	10.357	70	0.793
110	10.355	80	0.795
120	10.350	90	0.800
130	10.346	100	0.804
140	10.341	110	0.809
150	10.339	120	0.811
160	10.334	130	0.816
170	10.330	140	0.820
180	10.327	150	0.823
190	10.323	160	0.827
200	10.320	170	0.830
210	10.316	180	0.834
220	10.313	190	0.837
230	10.309	200	0.841
240	10.306	210	0.844
250	10.304	220	0.846
260	10.302	230	0.848
270	10.300	240	0.850
280	10.295	250	0.855
290	10.293	260	0.857
300	10.290	270	0.860
310	10.288	280	0.862
320	10.288	290	0.862
330	10.283	300	0.867
340	10.283	310	0.867
350	10.281	320	0.869
360	10.279	330	0.871
370	10.277	340	0.873
380	10.277	350	0.873
390	10.277	360	0.873
400	10.274	370	0.876
410	10.274	380	0.876
420	10.272	390	0.878

Well MW-3

Wellhead Elev.: 10.98
DTW₀: 11.61

Elapsed Time	DTW (feet H ₂ O)	Corrected Elap. Time	GWE (feet MSL)
0			
10			
20			
30		0	
40		10	
50		20	
60		30	
70		40	
80		50	
90		60	
100		70	
110		80	
120	11.610	90	-0.630
130	11.619	100	-0.639
140	11.619	110	-0.639
150	11.626	120	-0.646
160	11.622	130	-0.642
170	11.622	140	-0.642
180	11.628	150	-0.648
190	11.631	160	-0.651
200	11.631	170	-0.651
210	11.626	180	-0.646
220	11.635	190	-0.655
230	11.631	200	-0.651
240	11.633	210	-0.653
250	11.631	220	-0.651
260	11.631	230	-0.651
270	11.635	240	-0.655
280	11.628	250	-0.648
290	11.631	260	-0.651
300	11.633	270	-0.653
310	11.631	280	-0.651
320	11.626	290	-0.646
330	11.626	300	-0.646
340	11.619	310	-0.639
350	11.622	320	-0.642
360	11.624	330	-0.644
370	11.622	340	-0.642
380	11.619	350	-0.639
390	11.622	360	-0.642
400	11.624	370	-0.644
410	11.622	380	-0.642
420	11.622	390	-0.642

430	10.270	400	0.880	430	11.624	400	-0.644
440	10.270	410	0.880	440	11.622	410	-0.642
450	10.267	420	0.883	450	11.626	420	-0.646
460	10.267	430	0.883	460	11.626	430	-0.646
470	10.265	440	0.885	470	11.628	440	-0.648
480	10.265	450	0.885	480	11.631	450	-0.651
490	10.263	460	0.887	490	11.631	460	-0.651
500	10.260	470	0.890	500	11.628	470	-0.648
510	10.260	480	0.890	510	11.631	480	-0.651
520	10.258	490	0.892	520	11.633	490	-0.653
530	10.258	500	0.892	530	11.635	500	-0.655
540	10.256	510	0.894	540	11.633	510	-0.653
550	10.256	520	0.894	550	11.635	520	-0.655
560	10.256	530	0.894	560	11.633	530	-0.653
570	10.256	540	0.894	570	11.635	540	-0.655
580	10.253	550	0.897	580	11.640	550	-0.660
590	10.253	560	0.897	590	11.640	560	-0.660
600	10.251	570	0.899	600	11.640	570	-0.660
610	10.251	580	0.899	610	11.640	580	-0.660
620	10.249	590	0.901	620	11.640	590	-0.660
630	10.249	600	0.901	630	11.640	600	-0.660
640	10.249	610	0.901	640	11.642	610	-0.662
650	10.249	620	0.901	650	11.642	620	-0.662
660	10.247	630	0.903	660	11.640	630	-0.660
670	10.249	640	0.901	670	11.642	640	-0.662
680	10.244	650	0.906	680	11.645	650	-0.665
690	10.244	660	0.906	690	11.645	660	-0.665
700	10.244	670	0.906	700	11.645	670	-0.665
710	10.244	680	0.906	710	11.645	680	-0.665
720	10.244	690	0.906	720	11.645	690	-0.665
730	10.244	700	0.906	730	11.647	700	-0.667
740	10.242	710	0.908	740	11.647	710	-0.667
750	10.242	720	0.908	750	11.645	720	-0.665
760	10.242	730	0.908	760	11.645	730	-0.665
770	10.242	740	0.908	770	11.647	740	-0.667
780	10.242	750	0.908	780	11.649	750	-0.669
790	10.242	760	0.908	790	11.649	760	-0.669
800	10.242	770	0.908	800	11.652	770	-0.672
810	10.242	780	0.908	810	11.654	780	-0.674
820	10.240	790	0.910	820	11.649	790	-0.669
830	10.242	800	0.908	830	11.652	800	-0.672
840	10.242	810	0.908	840	11.649	810	-0.669
850	10.240	820	0.910	850	11.654	820	-0.674
860	10.242	830	0.908	860	11.654	830	-0.674
870	10.242	840	0.908	870	11.654	840	-0.674
880	10.242	850	0.908	880	11.649	850	-0.669
890	10.242	860	0.908	890	11.652	860	-0.672
900	10.242	870	0.908	900	11.654	870	-0.674
910	10.240	880	0.910	910	11.656	880	-0.676
920	10.242	890	0.908	920	11.652	890	-0.672
930	10.242	900	0.908	930	11.654	900	-0.674

940	10.244	910	0.906	940	11.652	910	-0.672
950	10.247	920	0.903	950	11.654	920	-0.674
960	10.247	930	0.903	960	11.656	930	-0.676
970	10.247	940	0.903	970	11.654	940	-0.674
980	10.251	950	0.899	980	11.654	950	-0.674
990	10.251	960	0.899	990	11.649	960	-0.669
1,000	10.251	970	0.899	1,000	11.649	970	-0.669
1,010	10.251	980	0.899	1,010	11.652	980	-0.672
1,020	10.253	990	0.897	1,020	11.654	990	-0.674
1,030	10.253	1000	0.897	1,030	11.658	1000	-0.678
1,040	10.253	1010	0.897	1,040	11.654	1010	-0.674
1,050	10.253	1020	0.897	1,050	11.654	1020	-0.674
1,060	10.253	1030	0.897	1,060	11.652	1030	-0.672
1,070	10.251	1040	0.899	1,070	11.654	1040	-0.674
1,080	10.251	1050	0.899	1,080	11.647	1050	-0.667
1,090	10.251	1060	0.899	1,090	11.640	1060	-0.660
1,100	10.251	1070	0.899	1,100	11.640	1070	-0.660
1,110	10.249	1080	0.901	1,110	11.622	1080	-0.642
1,120	10.251	1090	0.899	1,120	11.619	1090	-0.639
1,130	10.249	1100	0.901	1,130	11.624	1100	-0.644
1,140	10.247	1110	0.903	1,140	11.635	1110	-0.655
1,150	10.247	1120	0.903	1,150	11.624	1120	-0.644
1,160	10.247	1130	0.903	1,160	11.631	1130	-0.651
1,170	10.247	1140	0.903	1,170	11.626	1140	-0.646
1,180	10.244	1150	0.906	1,180	11.624	1150	-0.644
1,190	10.244	1160	0.906	1,190	11.624	1160	-0.644
1,200	10.242	1170	0.908	1,200	11.617	1170	-0.637
1,210	10.240	1180	0.910	1,210	11.619	1180	-0.639
1,220	10.240	1190	0.910	1,220	11.624	1190	-0.644
1,230	10.240	1200	0.910	1,230	11.631	1200	-0.651
1,240	10.237	1210	0.913	1,240	11.631	1210	-0.651
1,250	10.237	1220	0.913	1,250	11.631	1220	-0.651
1,260	10.237	1230	0.913	1,260	11.635	1230	-0.655
1,270	10.237	1240	0.913	1,270	11.635	1240	-0.655
1,280	10.237	1250	0.913	1,280	11.640	1250	-0.660
1,290	10.235	1260	0.915	1,290	11.640	1260	-0.660
1,300	10.235	1270	0.915	1,300	11.638	1270	-0.658
1,310	10.235	1280	0.915	1,310	11.642	1280	-0.662
1,320	10.233	1290	0.917	1,320	11.642	1290	-0.662
1,330	10.233	1300	0.917	1,330	11.642	1300	-0.662
1,340	10.233	1310	0.917	1,340	11.645	1310	-0.665
1,350	10.233	1320	0.917	1,350	11.640	1320	-0.660
1,360	10.233	1330	0.917	1,360	11.635	1330	-0.655
1,370	10.230	1340	0.920	1,370	11.635	1340	-0.655
1,380	10.230	1350	0.920	1,380	11.633	1350	-0.653
1,390	10.233	1360	0.917	1,390	11.628	1360	-0.648
1,400	10.233	1370	0.917	1,400	11.628	1370	-0.648
1,410	10.230	1380	0.920	1,410	11.622	1380	-0.642
1,420	10.230	1390	0.920	1,420	11.624	1390	-0.644
1,430	10.230	1400	0.920	1,430	11.624	1400	-0.644
1,440	10.230	1410	0.920	1,440	11.622	1410	-0.642

1,450	10.230	1420	0.920	1,450	11.628	1420	-0.648
1,460	10.230	1430	0.920	1,460	11.617	1430	-0.637
1,470	10.230	1440	0.920	1,470	11.622	1440	-0.642
1,480	10.230	1450	0.920	1,480	11.628	1450	-0.648
1,490	10.230	1460	0.920	1,490	11.631	1460	-0.651
1,500	10.233	1470	0.917	1,500	11.622	1470	-0.642
1,510	10.233	1480	0.917	1,510	11.626	1480	-0.646
1,520	10.233	1490	0.917	1,520	11.619	1490	-0.639
1,530	10.235	1500	0.915	1,530	11.631	1500	-0.651
1,540	10.235	1510	0.915	1,540	11.631	1510	-0.651
1,550	10.235	1520	0.915	1,550	11.631	1520	-0.651
1,560	10.235	1530	0.915	1,560	11.633	1530	-0.653
1,570	10.237	1540	0.913	1,570	11.640	1540	-0.660
1,580	10.237	1550	0.913	1,580	11.640	1550	-0.660
1,590	10.237	1560	0.913	1,590	11.635	1560	-0.655
1,600	10.240	1570	0.910	1,600	11.640	1570	-0.660
1,610	10.240	1580	0.910	1,610	11.647	1580	-0.667
1,620	10.242	1590	0.908	1,620	11.649	1590	-0.669
1,630	10.242	1600	0.908	1,630	11.649	1600	-0.669
1,640	10.242	1610	0.908	1,640	11.654	1610	-0.674
1,650	10.242	1620	0.908	1,650	11.652	1620	-0.672
1,660	10.242	1630	0.908	1,660	11.649	1630	-0.669
1,670	10.242	1640	0.908	1,670	11.656	1640	-0.676
1,680	10.244	1650	0.906	1,680	11.654	1650	-0.674
1,690	10.244	1660	0.906	1,690	11.652	1660	-0.672
1,700	10.244	1670	0.906	1,700	11.652	1670	-0.672
1,710	10.247	1680	0.903	1,710	11.649	1680	-0.669
1,720	10.247	1690	0.903	1,720	11.652	1690	-0.672
1,730	10.249	1700	0.901	1,730	11.647	1700	-0.667
1,740	10.249	1710	0.901	1,740	11.647	1710	-0.667
1,750	10.249	1720	0.901	1,750	11.647	1720	-0.667
1,760	10.249	1730	0.901	1,760	11.645	1730	-0.665
1,770	10.251	1740	0.899	1,770	11.645	1740	-0.665
1,780	10.251	1750	0.899	1,780	11.645	1750	-0.665
1,790	10.251	1760	0.899	1,790	11.640	1760	-0.660
1,800	10.251	1770	0.899	1,800	11.640	1770	-0.660
1,810	10.251	1780	0.899	1,810	11.638	1780	-0.658
1,820	10.253	1790	0.897	1,820	11.635	1790	-0.655
1,830	10.253	1800	0.897	1,830	11.633	1800	-0.653
1,840	10.253	1810	0.897	1,840	11.633	1810	-0.653
1,850	10.256	1820	0.894	1,850	11.631	1820	-0.651
1,860	10.256	1830	0.894	1,860	11.626	1830	-0.646
1,870	10.253	1840	0.897	1,870	11.628	1840	-0.648
1,880	10.256	1850	0.894	1,880	11.624	1850	-0.644
1,890	10.256	1860	0.894	1,890	11.631	1860	-0.651
1,900	10.253	1870	0.897	1,900	11.628	1870	-0.648
1,910	10.256	1880	0.894	1,910	11.628	1880	-0.648
1,920	10.256	1890	0.894	1,920	11.626	1890	-0.646
1,930	10.256	1900	0.894	1,930	11.631	1900	-0.651
1,940	10.256	1910	0.894	1,940	11.631	1910	-0.651
1,950	10.256	1920	0.894	1,950	11.633	1920	-0.653

1,960	10.256	1930	0.894	1,960	11.635	1930	-0.655
1,970	10.253	1940	0.897	1,970	11.635	1940	-0.655
1,980	10.256	1950	0.894	1,980	11.635	1950	-0.655
1,990	10.256	1960	0.894	1,990	11.638	1960	-0.658
2,000	10.253	1970	0.897	2,000	11.640	1970	-0.660
2,010	10.253	1980	0.897	2,010	11.638	1980	-0.658
2,020	10.253	1990	0.897	2,020	11.640	1990	-0.660
2,030	10.253	2000	0.897	2,030	11.640	2000	-0.660
2,040	10.253	2010	0.897	2,040	11.640	2010	-0.660
2,050	10.253	2020	0.897	2,050	11.642	2020	-0.662
2,060	10.253	2030	0.897	2,060	11.645	2030	-0.665
2,070	10.253	2040	0.897	2,070	11.645	2040	-0.665
2,080	10.253	2050	0.897	2,080	11.645	2050	-0.665
2,090	10.253	2060	0.897	2,090	11.645	2060	-0.665
2,100	10.253	2070	0.897	2,100	11.642	2070	-0.662
2,110	10.253	2080	0.897	2,110	11.640	2080	-0.660
2,120	10.253	2090	0.897	2,120	11.645	2090	-0.665
2,130	10.253	2100	0.897	2,130	11.645	2100	-0.665
2,140	10.253	2110	0.897	2,140	11.645	2110	-0.665
2,150	10.253	2120	0.897	2,150	11.647	2120	-0.667
2,160	10.253	2130	0.897	2,160	11.647	2130	-0.667
2,170	10.256	2140	0.894	2,170	11.647	2140	-0.667
2,180	10.256	2150	0.894	2,180	11.645	2150	-0.665
2,190	10.256	2160	0.894	2,190	11.647	2160	-0.667
2,200	10.256	2170	0.894	2,200	11.642	2170	-0.662
2,210	10.256	2180	0.894	2,210	11.647	2180	-0.667
2,220	10.256	2190	0.894	2,220	11.645	2190	-0.665
2,230	10.253	2200	0.897	2,230	11.652	2200	-0.672
2,240	10.256	2210	0.894	2,240	11.652	2210	-0.672
2,250	10.256	2220	0.894	2,250	11.652	2220	-0.672
2,260	10.256	2230	0.894	2,260	11.652	2230	-0.672
2,270	10.256	2240	0.894	2,270	11.656	2240	-0.676
2,280	10.256	2250	0.894	2,280	11.656	2250	-0.676
2,290	10.256	2260	0.894	2,290	11.654	2260	-0.674
2,300	10.256	2270	0.894	2,300	11.656	2270	-0.676
2,310	10.256	2280	0.894	2,310	11.654	2280	-0.674
2,320	10.256	2290	0.894	2,320	11.654	2290	-0.674
2,330	10.256	2300	0.894	2,330	11.656	2300	-0.676
2,340	10.256	2310	0.894	2,340	11.656	2310	-0.676
2,350	10.256	2320	0.894	2,350	11.656	2320	-0.676
2,360	10.256	2330	0.894	2,360	11.656	2330	-0.676
2,370	10.258	2340	0.892	2,370	11.656	2340	-0.676
2,380	10.258	2350	0.892	2,380	11.656	2350	-0.676
2,390	10.260	2360	0.890	2,390	11.656	2360	-0.676
2,400	10.260	2370	0.890	2,400	11.656	2370	-0.676
2,410	10.260	2380	0.890	2,410	11.656	2380	-0.676
2,420	10.260	2390	0.890	2,420	11.656	2390	-0.676
2,430	10.260	2400	0.890	2,430	11.656	2400	-0.676
2,440	10.260	2410	0.890	2,440	11.656	2410	-0.676
2,450	10.260	2420	0.890	2,450	11.656	2420	-0.676
2,460	10.260	2430	0.890	2,460	11.656	2430	-0.676

2,470	10.260	2440	0.890
2,480	10.263	2450	0.887
2,490	19.923		-8.773
2,500	19.923		-8.773
2,510	19.923		-8.773
2,520	19.923		-8.773
2,530	19.923		-8.773
2,540	19.923		-8.773
2,550	19.923		-8.773
2,560	19.923		-8.773
2,570	19.923		-8.773
2,580	19.923		-8.773
2,590	19.923		-8.773
2,600	19.923		-8.773
2,610	19.923		-8.773
2,620	19.923		-8.773
2,630	19.923		-8.773
2,640	19.923		-8.773
2,650	19.923		-8.773
2,660	19.923		-8.773

2,470	11.658	2440	-0.678
2,480	11.658	2450	-0.678
2,490	19.603		
2,500	19.603		
2,510	19.603		
2,520	19.603		
2,530	19.603		
2,540	19.603		
2,550	19.603		
2,560	19.603		
2,570	19.603		
2,580	19.603		
2,590	19.603		
2,600	19.603		
2,610	19.603		
2,620	19.603		
2,630	19.603		
2,640			
2,650			
2,660			