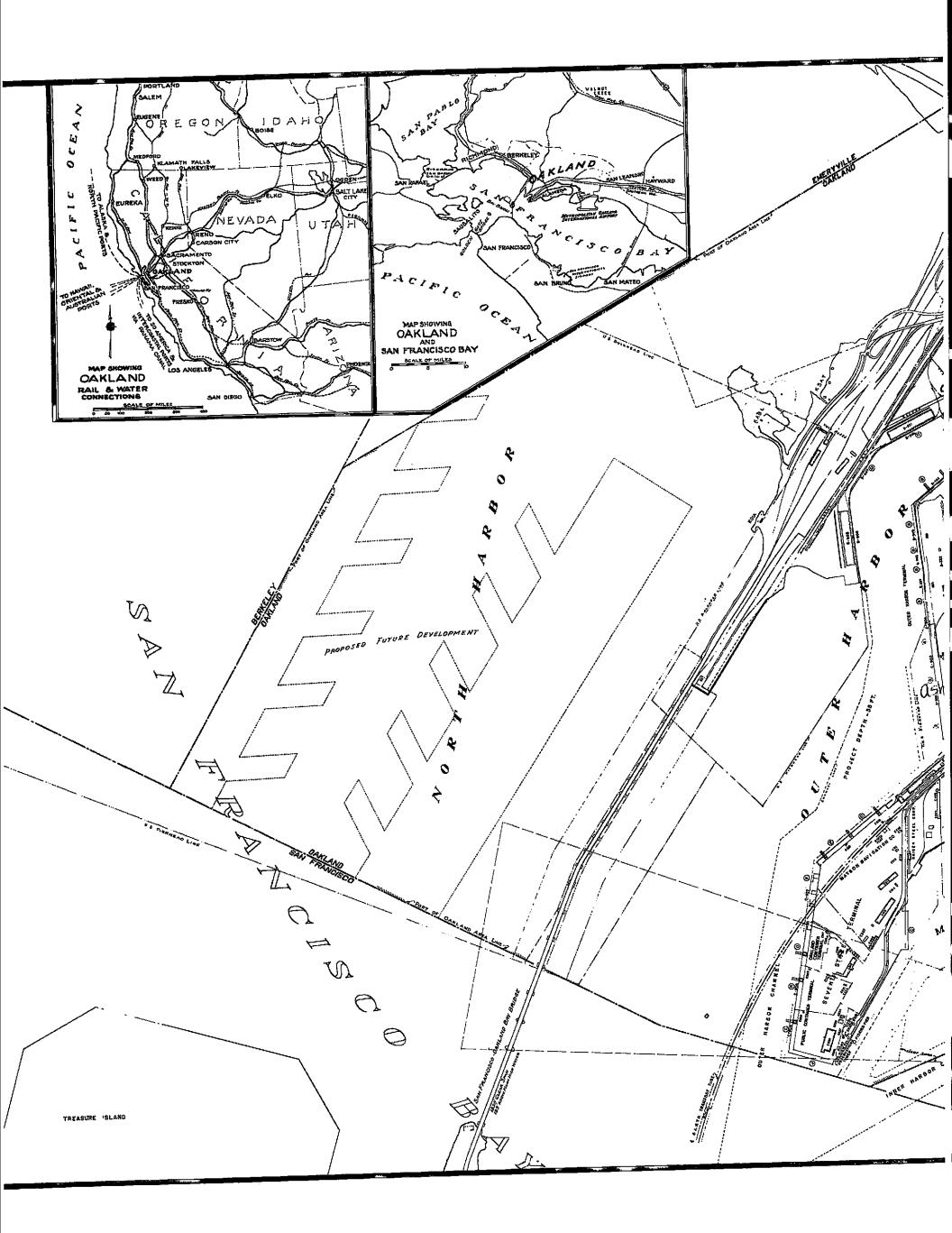


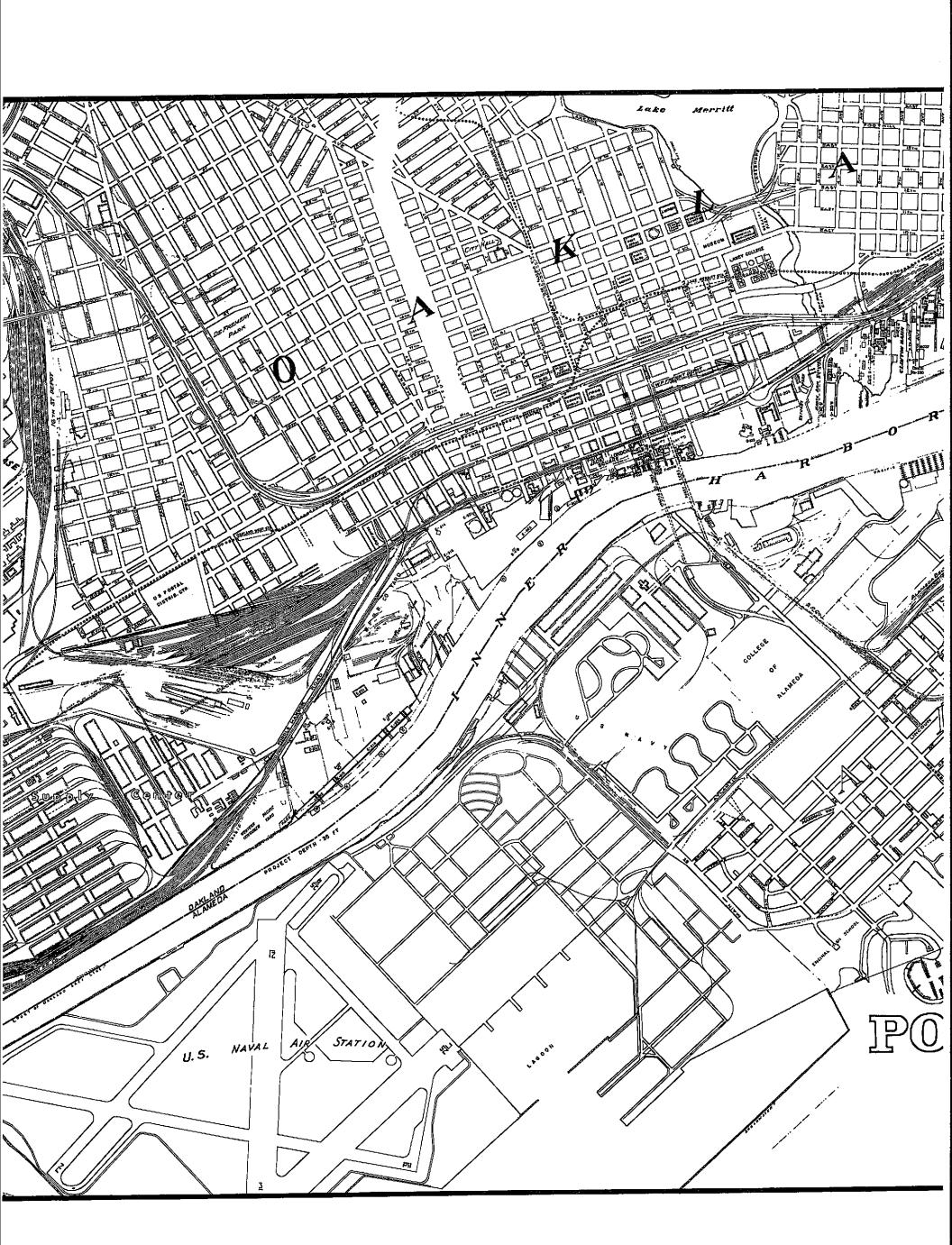
UNION POINT PARK/CAL CREW CONCEPT

DRAFT Oal

Oakland Waterfront Initiatives: Estuary Plan

DRAFT

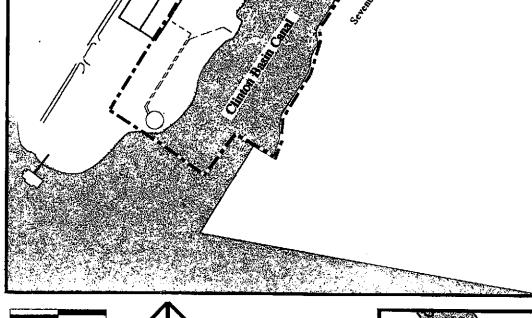








APPENDIX A

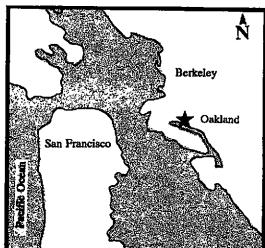


1-880

Embarcadero

Legend

- Project Site Boundary



linton Basin akland, California

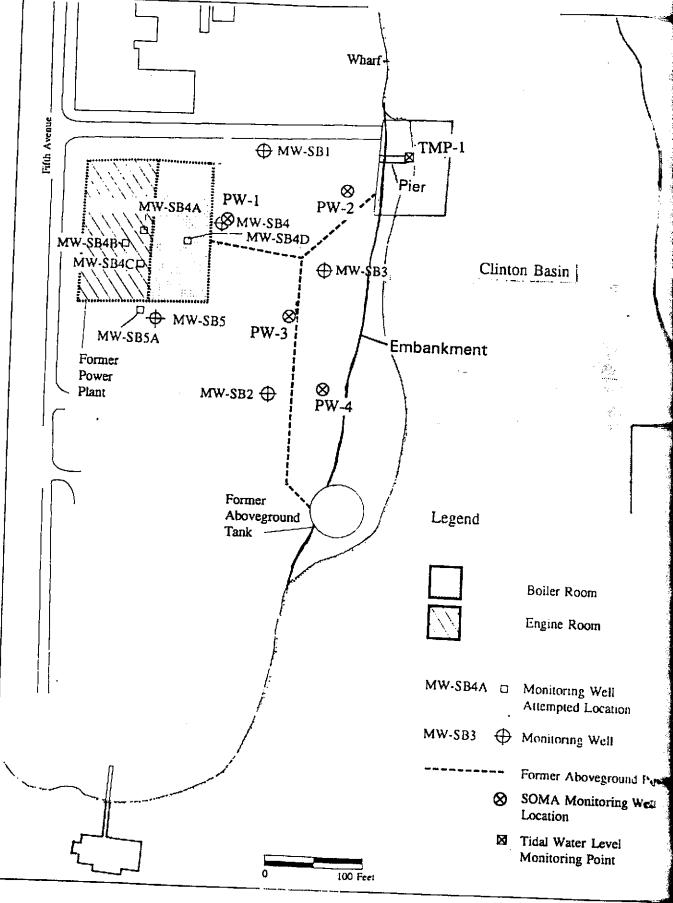


Figure 1: Monitoring Well Locations

Project No. 95-2120



SUMMARY OF ANALYTICAL RESULTS, GROUNDWATER

Seabreeze Yacht Center, Oakland, California

February/March 1995

(μ g/L, except where noted)

1					Turbidity ²	rigin Sagar		ė 1,7,5,	RCRA	Metals ³				
Sample ID	Date	Kerosene	¹ Diesel ¹	Bunker C¹	Motor Oil ¹	(NTU)	As	Ba	Cd	Cr	Pb	Hg	Se	Åg
MW-SB1	3/3/95		1,8004	→ (4,800 ⁴	1,4004	23							**	
MW-SB2	3/6/95	6,6	16,000 ⁴ /18,000 ^{4,5}	28,000 ⁴ /33,000 ^{4,5}	4,9004/<25,00045	130/100	***		***				**	
MW-SB3	3/6/95	6	4,500 ⁴	5,8004	1,500*	76								
MW-SB4	3/3/95	***	1,4004	3,000	6604	130	//···	•••						
MW-SB5	3/6/95	6/6	15,000 ⁴ /15,000 ^{4,5}	34,0004/31,0004.5	8,100 ⁴ /6,900 ^{4,5}	180/190	/				÷.		-	
PW-1	2/2/957		<u> </u>			/ /	19	18	<5.0	<10	6.0	< 0.20	<5.0	<10
	3/3/95		(1),700⁴	3,900⁴	1,0004	60					\			
PW-2	2/2/95 ⁸ 3/6/95	-6	(1,700°	4,400 ⁴	1,100 ⁴	84	14	100	<5.0 	<10 	4.3	<0.20	11 	<10
PW-3	2/2/95 ⁸ 3/6/95		(5,8004	9,400 ⁴	1,2004	6.8	15	84 	<5.0 	<10 	<3.0	<0.20	<5.0	<10
PW-4	2/2/958	***				1	14	81	<5.0	<10	<3.0	<0.20	<5.0	<10
	3/3/95		. 610⁴	1,600	<1,300	4.4 \								

Notes:

-- = No analysis requested

xx/xx = Duplicate sample

<x.x = Compound not indentified above laboratory reporting limit

NTU = Nephelometric turbidity units

Refer to Figure 3 for well locations.

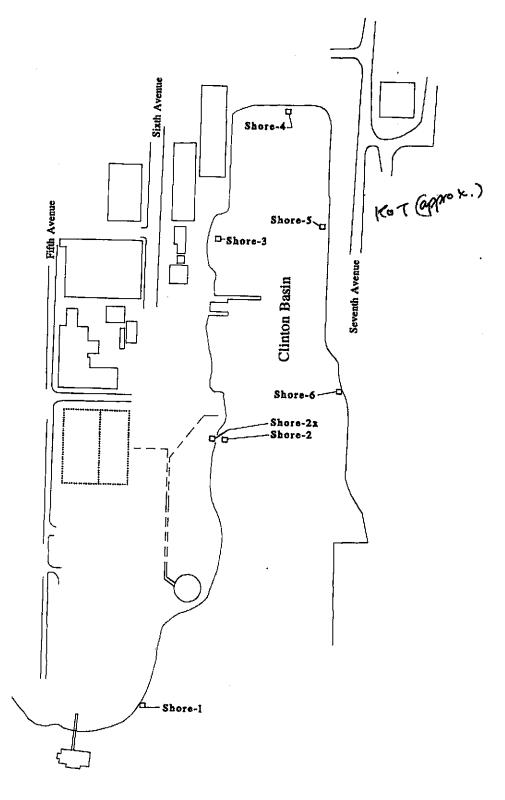
Laboratory reports included in Appendices F and G.

- California DOHS Method: LUFT Manual October 1989.
- EPA Method 180.1.
- EPA Methods 6010A and 7470.
- Sample chromatogram does not resemble hydrocarbon standard.
- Duplicate sample centrifuged prior to TBH analysis.
- Not reported due to an overlap of hydrocarbon ranges.
- Sample also analyzed for semi-volatile organic compounds (EPA Method 8270). All semi-volatiles were reported below laboratory reporting limits except for 38 µg/L bis(2-ethylhexyl)phthal
- Qualitative fingerprint characterization of petroleum hydrocarbons by capillary gas chromatography using flame ionization detector and electron capture detector also performed.

S9171TBL_APR-4/5/95

SHORELINE SAMPLE LOCATIONS

Figure 2



Legend

Shoreline Sampling Location

Clinton Basin Oakland, California



APPENDIX B

TABLE 3

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS BY IR ANALYSIS, SHORELINE SOIL SAMPLING

Clinton Basin Shoreline, Oakland, 19 January 1995 $(\mu g/g)$

Sample ID	Depth (feet)	Total Petroleum Hydrocarbons by IR
Shore-1-Surface	0	<10
Shore-1-3'	3	15
Shore-2-Surface	0	44
Shore-2-3'1	3	<10
Shore-2d-Surface ²	0	59
Shore-2d-3'	3	360
Shore-2x ³	0.5-1.0	
Shore-3-Surface	0	160
Shore-3-2.5	2.5	18
Shore-4-Surface	0	370
Shore-4-3 ¹⁴	3	24
Shore-5-Surface	0	28
Shore-5-3.0	_3	140
Shore-6-Surface	0	58
Shore-6-2.0	2	33

Notes:

Analyzed by EPA Method 418.1

<xx = Petroleum hydrocarbons were not identified above the reporting limit

-- = Not analyzed

IR = infrared

Samples were collected by BASELINE; samples were analyzed by Friedman & Bruya, Inc. Laboratory reports included in Appendix A. Sample locations indicated on Figure 2.

- Sample also analyzed for semivolatile organic compounds (EPA Method 8270). All semivolatiles were reported below laboratory reporting limits except for 53 μg/kg di-n-butylphthalate, 200 μg/kg bis(2-ethylhexyl)phthalate, 37 μg/kg benzo(b)flouranthene, and 38 μg/kg benzo(k)flouranthene.
- Sample also analyzed for semivolatile organic compounds (EPA Method 8270) and polychlorinated biphenyls (PCBs) as Arochlor 1260 (Modified EPA Methods 3550/8080). All semivolatiles were reported below laboratory limits except for 1,000 µg/kg dinbutylphthalate, 39 µg/kg pyrene, 67 µg/kg butylbenzylphthalate, 20,000 µg/kg bis(2-ethylhexyl)phthalate, and 160 µg/kg di-n-octylphthalate.

PCBs were quantified at 2.9 μ g/g. PCBs were quantified at 2.6 μ g/g in a duplicate sample.

- Sample also analyzed for PCBs (EPA Method 3550/8080). All PCBs were reported below laboratory reporting limits except for Arochlor 1260, which was quantified at 4,700 μg/kg.
- Sample also analyzed for semivolatile organic compounds (EPA Method 8270). All semivolatiles were reported below laboratory reporting limits except for 30 μg/kg acenaphthylene, 25 μg/kg acenaphthene, 61 μg/kg fluorene, 670 μg/kg phenanthrene, 250 μg/kg anthracene, 110 μg/kg di-n-butylphthalate, 1,000 μg/kg fluoranthene, 990 μg/kg pyrene, 140 μg/kg butylbenzylphthalate, 360 μg/kg benzo(a)anthracene, 690 μg/kg chrysene, 170 μg/kg bis(2-ethylhexyl)phthalate, 470 μg/kg benzo(a)pyrene, 630 μg/kg benzo(b)flouranthene, 370 μg/kg benzo(k)flouranthene, 270 μg/kg indeno(1,2,3-cd)pyrene, 160 μg/kg dibenz(a,h)anthracene, and 310 μg/kg benzo(g,h,i)perylene.

Seabreeze Yacht Center, Inc. 280 Sixth Avenue Oakland, California

MW-SB2

SB-14 O

SBCC1

SBCC4C

SBCC3

SBCC5C

SBCC5S

SBCC2

BASE

150

(mg/kg except where noted)

					ТРН				Lea					
Sample Location	Sample Date	Depth (feet)	Oil and Grease	Gasoline ¹	Diesel ²	Kerosene	Motor Oil ³	Benzene	Tolyene	Ethyl- benzene ⁴	Xylenes ⁴	Total ^s	Soluble (mg/L)	Total Copper
SB-CC1	1/10/94	0.5-1.0 1.0-1.5	2,100 3,700	<1.0	<50 9,400	<50	3,600 45,000	<0.005	<0.005	<0.005	<0.005	68 21 ⁸	5.6 2. 6/ 9. 5°	170
SB-CC2	1/10/94	0.5-1.0 1.0-1.5	41,000 150	<1.0	24,000 86	7	100,000 220	<0.005	<0.005	<0.005	<0.005	1,000 1,800/44°	3.5 <0.5/1.2°	28
SB-CC3	1/10/94	0.5-1.0 1.0-1.5	3,300 680	<1.0	2,200 1,100	7 7	12,000 3,500	<0.005	<0.005	<0.005	<0.005	120 1,300/9,100°	<0.5 <0.5/15.0°	82

Notes:

x.x = Bold numbers indicate compounds identified above detection limits.

<x.x = Compound not identified above detection limit.</pre>

TPH = Total Petroleum Hydrocarbons.

Sample locations are shown on Figure 1.

Lead TTLC = 1.000 mg/kg.

Lead STLC = 5 mg/L.

Copper TTLC = 2,500 mg/kg.

Copper STLC = 25 mg/L.

Test Method = 5030/M8015.

Test Method = 3550/M8015.

Results reported as motor oil although the hydrocarbon patterns do not exactly match the motor oil range; see Appendix

Test Method = 8020.

Test Method = 7420.

⁶ Test Method = 7210.

Kerosene range not reported by laboratory due to overlap of hydrocarbon ranges.

Sample reanalyzed, but sample lost during digestion.

Sample was reanalyzed on 2/10/94.

S9171Dwk.pln-2/24/94

APPENDIX C / APPENDIX D

A XION3949A

T TOTAL CO.

SAMPLING LOCATIONS FOR METALS AND BUNKER C

Figure 21

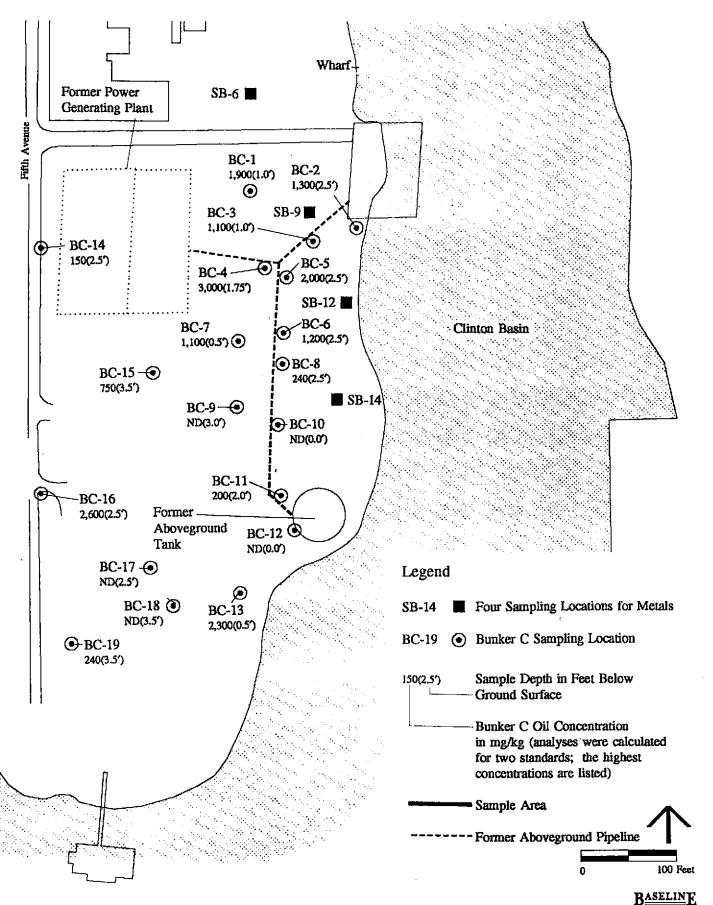


TABLE 8

ANALYTICAL RESULTS, SOILS LANDWARD OF CONCRETE CONTAINMENT Seabreeze Yacht Center, Oakland, California

(mg/kg)

Sample Location	Sample Date	Depth (feet)	Bunker (
BC-I	8/15/94	1.0-1.5	1,900/1,900
BC-2	8/15/94	2.5-3.0	1,300/1,300
BC-3	8/15/94	1.0-1.5	1,100/1,100
BC-4	8/15/94	1.75-2.25	3,000/3,000
BC-5	8/15/94	2.5-3.0	2,000/2,000
BC-6	8/15/94	2.5-3.0	1,200/1,200
BC-7	8/15/94	0.5-1.0	1,100/1,000
BC-8	8/15/94	2.5-3.0	240/240
BC-9	8/15/94	3.0-3.5	<25/<25
BC-10	8/15/94	0-0.5	<25/<25
BC-11	8/15/94	2.0-2.5	200/200
BC-12	8/15/94	0-0.5	<25/<25
BC-13	8/15/94	0.5-1.0	2,300/2,000
BC-14	8/15/94	2.5-3.0	150/130
BC-15	8/15/94	3.5-4.0	670/750
3C-16	8/15/94	2.5-3.0	2,600/2,600
3C-17	8/15/94	2.5-3.0	<25/<25
BC-18	8/15/94	3.5-4.0	<25/<25
C-19	8/15/94	3.5-4.0	240/240

Notes:

x.x = Bold numbers indicate compounds identified above detection

<x.x = Compounds not identified above detection limits.

-- = Not analyzed.

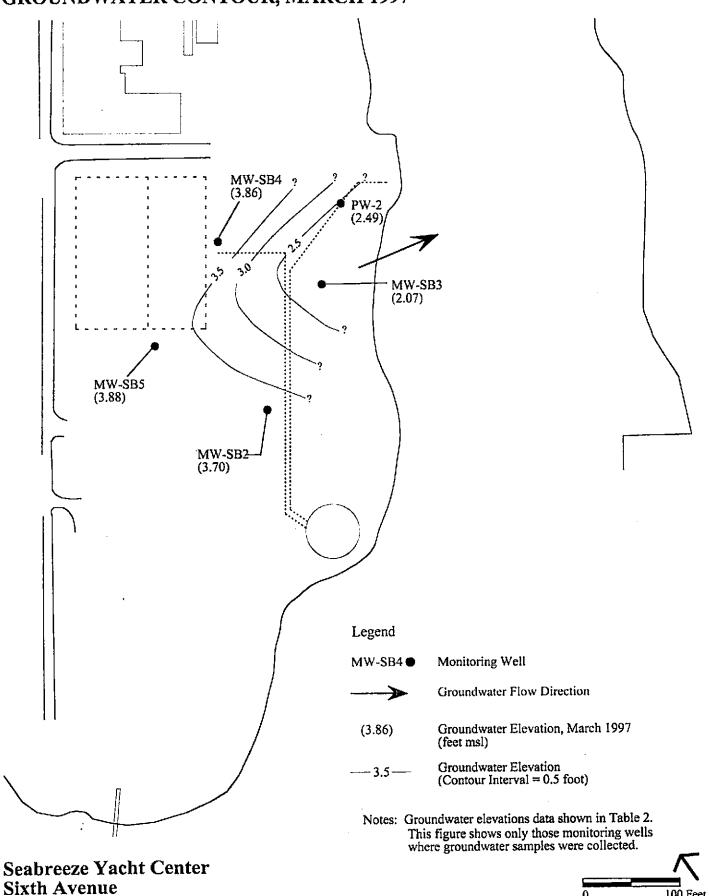
Sample locations are shown on Figure 15.

Laboratory reports and chromatograms are included in Appendix L. yy/xx = "yy" concentrations calculated based on a Bunker C standard obtained from the liquids below the concrete containment. Concentrations "xx" were calculated based on a laboratory Bunker C standard.

Samples analyzed by EPA Method 8015M.

MONITORING WELL LOCATIONS AND GROUNDWATER CONTOUR, MARCH 1997

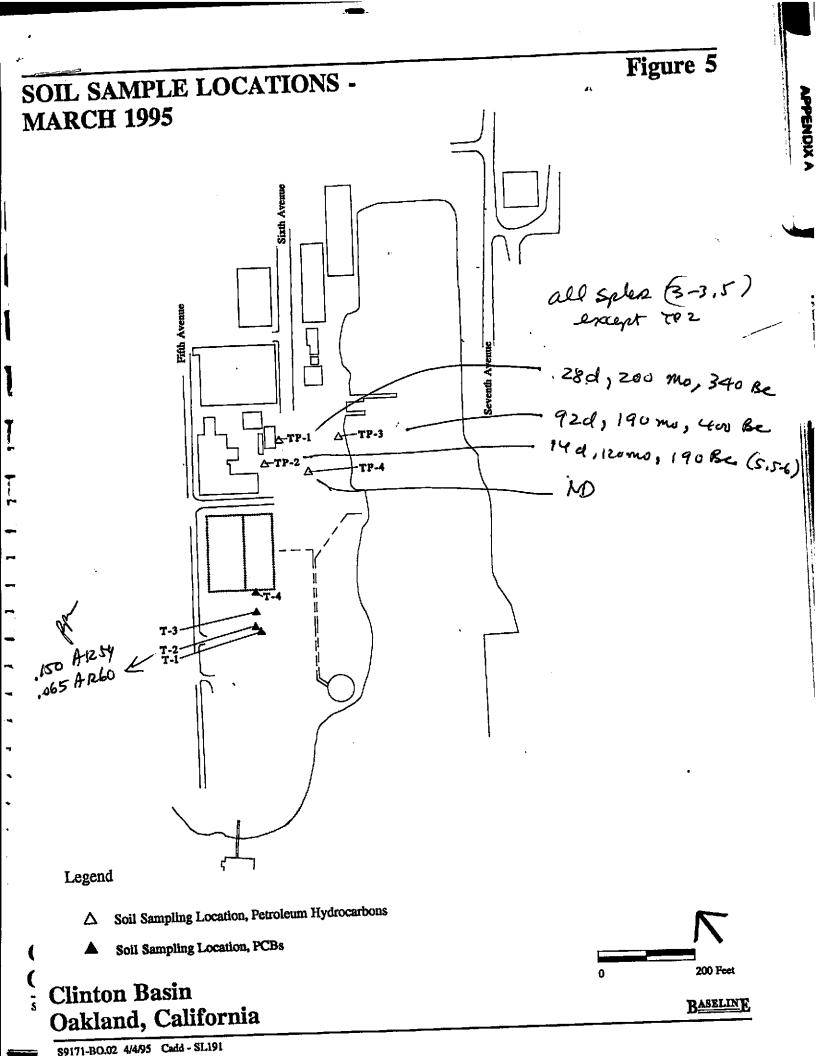
Figure 2



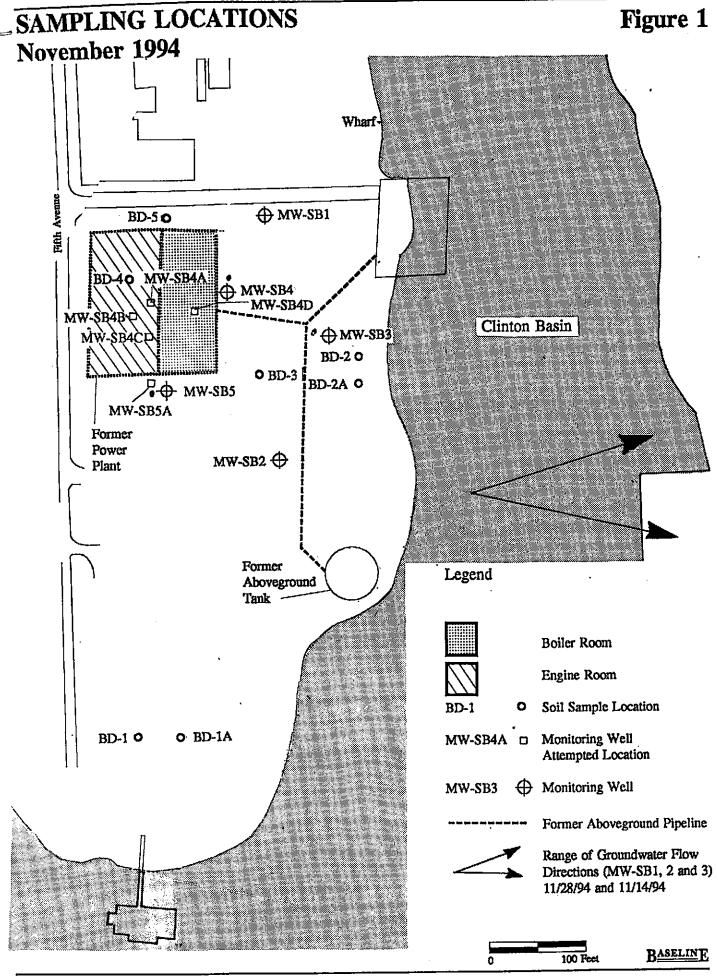
Oakland, California

TABLE ! ANALYTICAL RESULTS Seabreeze Yacht Center, Oakland, California (mg/L)

		Meta	als¹	Total Extractable Hydrocarbons ²					
Sample ID	Sample Date	Lead	Copper	Diesel	Bunker C	Motor Oil			
PW-2	2/2/95 3/6/95 7/1/96 9/16/96 12/11/96 03/14/97	0.0043 <0.003 <0.003 ¹⁰ 0.0101 ¹⁰ 0.00401 ¹⁰	<0.01 <0.005 ¹¹ <0.003 ¹¹ <0.003 ¹¹	1.7 ^{3,4} <0.049 <0.05 0.11 ¹³ <0.05	4.4 ^{3.4} <0.3 <0.5 <0.5 <0.5	1.1 ^{3,4} <0.25 <0.25 <0.25			
MW-SB2	4/9/91 4/19/91 1/10/94 12/26/94 3/6/95 7/1/96 9/16/96° 12/11/96 3/14/97	<0.06 ⁷ <0.07 <0.10 ⁷ <0.0048 ⁸ <0.003 <0.003 ¹⁰ 0.00855 ¹⁰ 0.00314 ¹⁰	<0.02 ⁸ 0.0481 <0.02 ⁸ 0.014 ⁸ 0.055 <0.005 ¹¹ 0.00354 ¹¹ <0.003 ¹¹	 16.0 ^{3.4} <0.05 <0.05 0.16 ¹³	28.0 ^{3,4} <0.3 <0.5 <0.5 <0.5	4.9 ^{3,4} <0.25 <0.25 <0.25			
MW-SB2A	3/6/95 7/1/96 9/16/96	 <0.003 <0.003 ¹⁰	0.065 <0.005 ¹¹	18.0 ^{3,4,5} 0.17 ⁶ 0.17	33.0 ^{3,4,5} <0.3 ⁴ <0.5 ⁴	<25.0 ^{3,4,5} <0.25			
MW-SB3	3/6/95 7/1/96 9/16/96 12/11/96 3/14/97	0.0036 <0.003 ¹⁰ <0.003 ¹⁰ <0.003 ¹⁰	<0.01 <0.005 ¹¹ <0.003 ¹¹ 0.00529 ¹¹	4.5 ^{3,4} <0.049 <0.05 ³ 0.19 ¹³ 0.085 ¹⁴	5.8 ^{3,4} <0.3 <0.5 <0.5 <0.5	1.5 ^{3,4} 0.28 ³ <0.25 <0.25			
MW-SB4	3/3/95 7/1/96 9/16/96 12/11/96 3/14/97	0.014 <0.003 ¹⁸ 0.00465 ¹⁰ 0.00519 ¹⁰	0.013 <0.005 ¹¹ 0.00674 ¹¹ <0.003 ¹¹	4.5 ³ <0.049 <0.05 0.12 ¹³ <0.05	3.0° <0.3 <0.5 <0.5 <0.5	0.66 ³ <0.25 <0.25 <0.25			
MW-SB5	3/6/95 7/1/96 9/16/96 12/11/96 3/14/97	 0.0031 <0.003 ¹⁰ 0.00344 ¹⁰ <0.003 ¹⁰	 0.012 <0.005 ¹¹ <0.003 ¹¹ 0.00318 ¹¹	15.0 ^{3,4} <0.049 0.14 ^{3,12} 0.16 ¹³ 0.29	34.0 ^{3,4} <0.3 <0.5 <0.5 <0.5	8.1 ^{3,4} 			
MW-SB5A	3/6/95 12/11/96 3/14/97	<0.003 ¹⁰ <0.003 ¹⁰	<0.003 ¹¹ <0.003 ¹¹	15.0 ^{3,4,5} 0.081 ¹³ 0.22	31.0 ^{3,4,5} <0.5 <0.5	6.9 ^{3,4,5} <0.25 <0.25			



Dee 94 Report



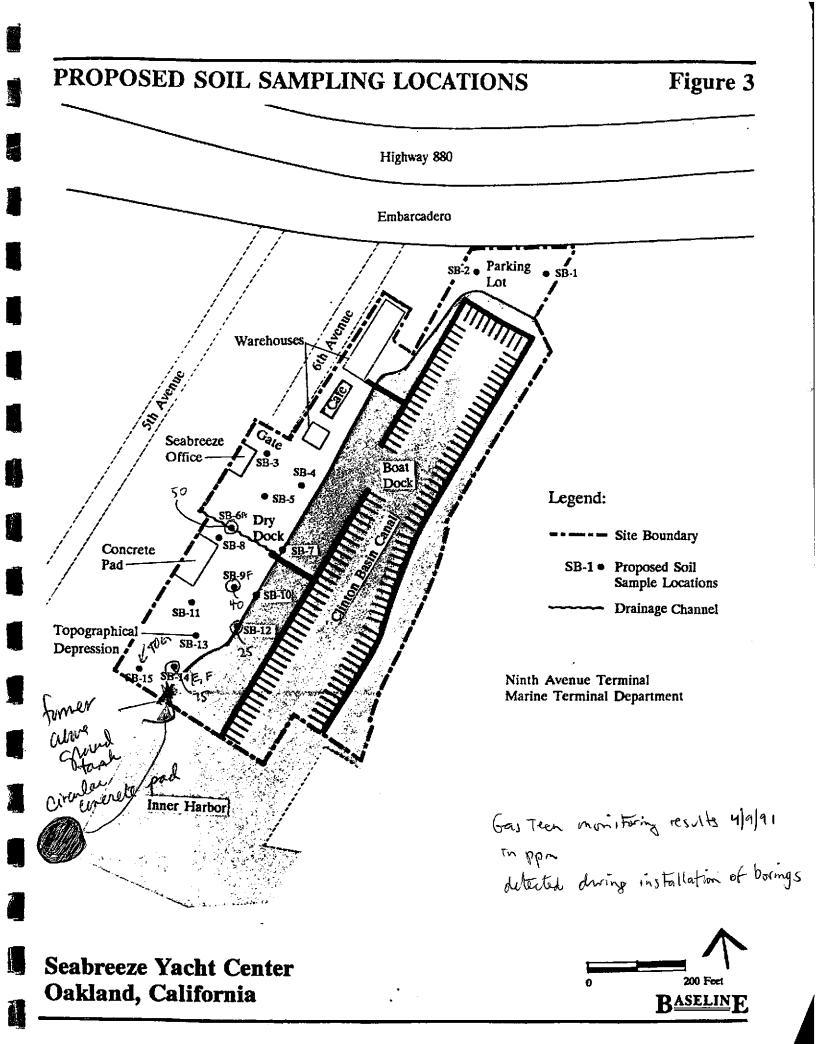


TABLE 7

SUMMARY OF ANALYTICAL RESULTS, GROUNDWATER

Seabreeze Yacht Center, Oakland, California

February/March 1995 (μ g/L, except where noted)

Sample									<u> </u>					
ID	Date	Kerosene	l Diesel ¹	Bunker C ⁱ	Motor Oil	Turbidity				RCR	Metals ³			
MW-SB1	3/3/95	••	1,800	2000 000 00 1 000 000		(NTU)	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
MW-SB2	3/6/95	6,6	<u> </u>	4,8004	1,4004	23								Ag
MW-SB3		, (4,9004/<25,0004.5	130/100				<u></u>		***		~-
MW-SB4			(4,5004)	5,8004	1,500	76					•••		~-	
			1,400	3,000	6604	130	۱۹۳۰ م				***	-		
		ele (15)0004/15,0004-5	34,0004/31,0004.5	8,1004/6,9004.5	180/190			**	~-	-		-	
PW-1	2/2/95 ⁷ 3/3/95	***				/	/ 10	10			1			•
PW-2			(1),7004	3,900⁴	1,000⁴	60	19	18	<5.0	<10	6.0	<0.20	<5.0	<10
r vv -2	2/2/95° 3/6/95	6	@			11	14	100			/ \		-	
PW-3	2/2/958		(1,7004	4,400⁴	1,1004	84			<5.0	<10	4.3	<0.20	11	<10
	3/6/95	6	(3)8004	••	***	(15	84	<5.0	.10	/		***	
PW-4	2/2/958		(3,800	9,400⁴	1,2004	6.8			< 3.0	<10	<3.0 /	<0.20	<5.0	<10
	3/3/95		6104	1.00		\	14	81	<5.0	<10	\/			
			. 010	1,600	<1,300	4.4	/		~5.0	 <10	₹3.0	<0.20	<5.0	<10
<u>otes</u> : =	No analys	is requested									- \-	 -		

xx/xx = Duplicate sample

<x.x = Compound not indentified above laboratory reporting limit

NTU = Nephelometric turbidity units

Refer to Figure 3 for well locations.

Laboratory reports included in Appendices F and G.

California DOHS Method: LUFT Manual October 1989.

EPA Method 180.1.

EPA Methods 6010A and 7470.

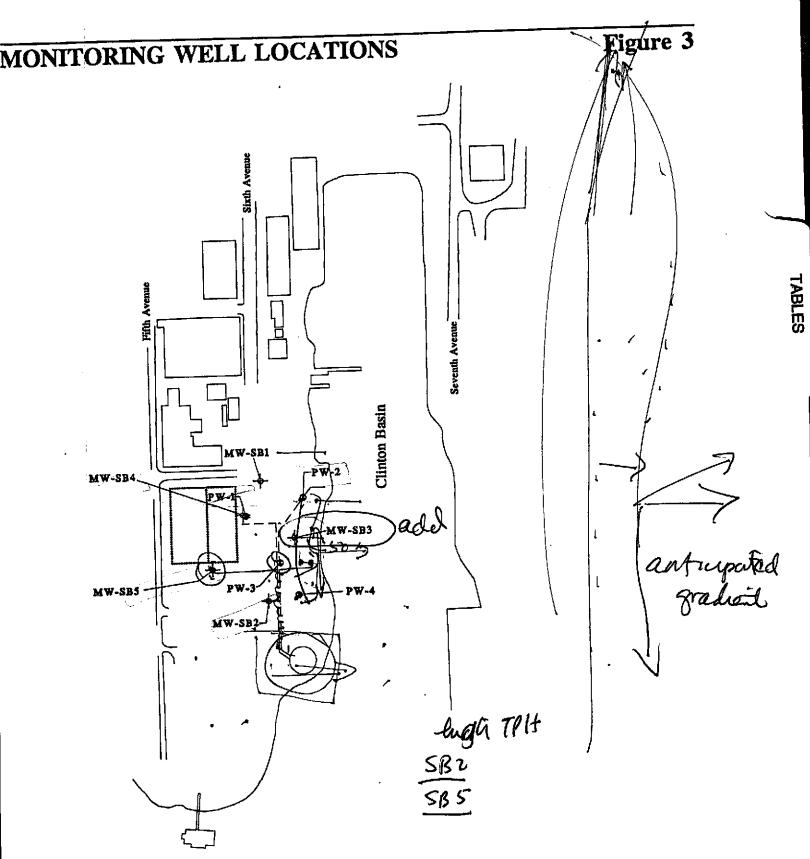
Sample chromatogram does not resemble hydrocarbon standard.

Duplicate sample centrifuged prior to TEH analysis.

Not reported due to an overlap of hydrocarbon ranges.

Sample also analyzed for semi-volatile organic compounds (EPA Method 8270). All semi-volatiles were reported below laboratory reporting limits except for 38 µg/L bis(2-ethylhexyl)phthalate. Qualitative fingerprint characterization of petroleum hydrocarbons by capillary gas chromatography using flame ionization detector and electron capture detector also performed.

S9171TBL.APR-4/5/95



Legend

MW-SB2 + Monitoring Well Location PW-1 •

Clinton Basin Oakland, California



Dee 94 Report

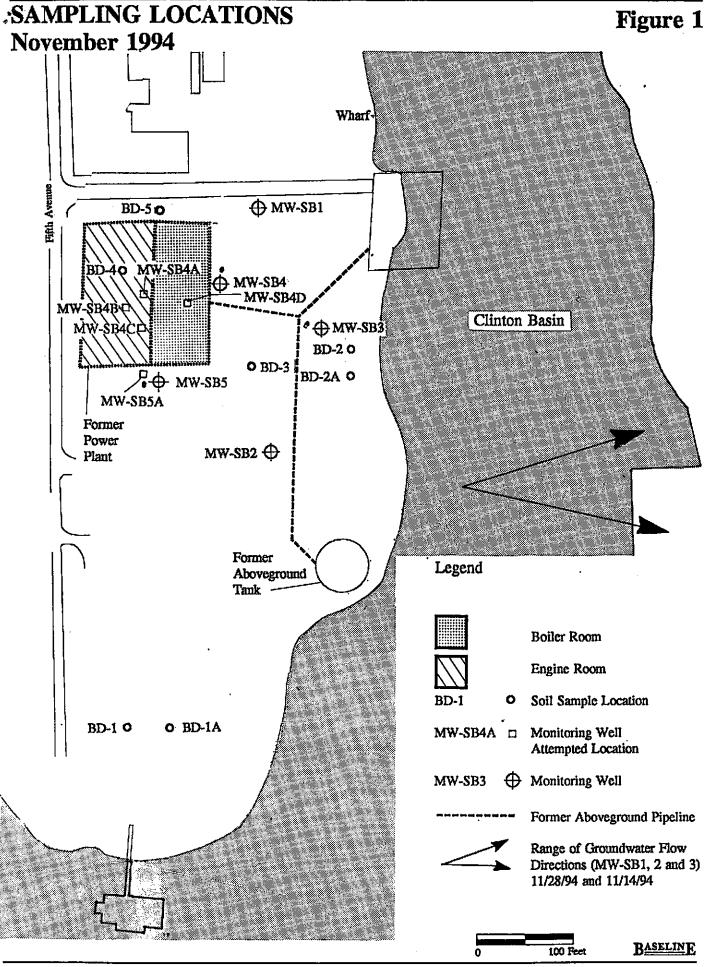


TABLE 3 SUMMARY OF ORGANIC ANALYTICAL RESULTS, SOILS Seabreeze Yacht Center, Oakland, California November 1994 (mg/kg)

					Bunker C					
Location	Depth (feet bgs)	Sample Date	Kerosene	Diesel	Lab Standard	Site Standard				
BD-1 ¹	2.0-2.5	11/10/94		2	210	230				
	6.0-6.5	11/10/94	**	6	, 370	410				
BD-1A	2.0-2.5	11/10/94	••	` 2	280	250				
	4.0-4.5	11/10/94	••	1	<30	<30				
BD-2	2.0-2.5	11/10/94		40	1,600	1,800				
· -	4.0-4.5	11/10/94		<20	2,300	2,500				
BD-2A	2.0-2.5	11/10/94	<i>,</i>	<1	110	_100				
	4.5-5.0	11/10/94		<20	11,000	12,000				
BD-3	2.5-3.0	11/22/94		70	1,700	1,500				
	5.0-5.5	11/22/94	**	480	1,500	1,800				
BD-4 ²	0.0-0.4	11/10/94	<10	<1	1,600	1,900				
BD-5	2.5-3.0	11/22/94		350	7,100	7,800				
MW-SB3	2.0-2.5	11/10/94		66	. 4,000	4,500				
	4.5-5.0	11/10/94	***	11	300	340				
MW-SB4	2.0-2.5	11/22/94		2	160	140				
	5.0-5.5	11/22/94		21	410	460				
MW-SB4A	5.0-5.5	11/10/94	3	11,000	49,000	(55,000)				
MW-SB5	2.0-2.5	11/22/94		30	1,200	1,100				
, ====	3.0-3.5	11/22/94	**	820	16,000	15,000				
MW-SB5-grab ⁴	NA	11/22/94		8	140	150				

Notes:

-- = Analysis not requested.

NA = Not applicable.

Refer to Table 1 for analytical methods.

Refer to Figure 1 for sampling locations.

Samples also analyzed for creosote (EPA Method 8270). Creosote was not identified above laboratory reporting limits $(2,000 \mu g/kg)$.

Sample also analyzed for volatile organic compounds (EPA Method 8240). Concentrations of all volatile organic compounds were below laboratory reporting limits.

Kerosene range not reported due to overlap of hydrocarbon ranges.

Sample also analyzed for volatile organic compounds (EPA Method 8240). All compounds were below reporting limits, except ethylbenzene (150 µg/kg) and total xylenes (340 µg/kg). This sample was collected from borehole MW-SB5A.

TABLE 5

SUMMARY OF ANALYTICAL RESULTS, GROUNDWATER

Seabreeze Yacht Center, Oakland, California November/December 1994

(µg/L)

				Bur	iker C				ende visite for t
Sample ID	Date	Gasoline	Diesel	Lab Standard	Site Standard	Total Lead	Total Copper	VOCs	втхе
MW-SB1	11/28/94		1,300	4,800	4,800	<3.0	. 14	2	
MW-SB2	11/28/94	••	12,000	30,000	30,000	<3.0	54	3	
MW-SB3	11/14/94 12/07/94	, 	1,400/1,100	3,000/2,500	460 3,000/2,300	<3.0	10	**	<0.5
MW-SB3A1_	_11/14/94				350	<3.0	<10		
MW-SB4	11/28/94	40	1;100	4,300	4,300	93	78	4	•••
MW-SB5	11/28/94	**	34,000	74,000	74,000	<3.0	19	<u> </u>	

Notes:

-- = No analysis requested.

xx/xx = Duplicate sample.

VOCs = Volatile organic compounds.

BTXE = Benzene, toluene, xylenes, and ethylbenzene.

Refer to Table 1 for analytical methods.

Refer to Figure 1 for well locations.

Duplicate sample.

All compounds below reporting levels except acetone (43 µg/L), a common laboratory contaminant.

All compounds below reporting levels except acetone (33 µg/L), a common laboratory contaminant. Toluene was detected below the reporting limit (5 µg/L) at 3 µg/L.

All compounds below reporting levels except acetone (75 µg/L), a common laboratory contaminant.

All compounds below reporting levels except acetone (130 µg/L), a common laboratory contaminant. Chloroform was detected below the reporting limit of 5 µg/L (detected concentration not reported).

•						± +3 ·	
COMPLETE	PCode*	INSP	StID	SITE NAME	ADDRESS	CITY	ZIP
-0-	-0-	SOS	3719	Shell Service Station	6039 College Ave	Oakland	94618
-0-	-0-	ML	4021	City of Oakland Fire Sta #19	5776 Miles Ave	Oakland	94618
-0-	2B4	ML	3069	SAAB Saver	2601 35th Ave	Oakland	94619
-0-	-0-	SH	515	Harrison Com C Andre Committee	00== 0=.1	Oakland	94619
-0-	2B3	SH	3878	BP Oil Facitilty #11132 Unocal SS #6129	3201 35th Ave	Oakland	94619
-0-	-0-	SH	518	Unocal SS #6129	3420 35th Ave	Oakland	
-0-	-0-	SH	519	Exxon # 7-0234	3450 35th Ave		94619
-0-	2Ã2	ML	891	Floyd's Appliance Service	3775 Brookdale Ave	Oakland	94619
03/03/94	1C3	CL	3666	Merritt College	12500 Campus Dr	Oakland	94619
-0-	2A2	ML	1038	High St. ARCO	12500 Campus Dr	Oakland	94619
-0-	2B4	SH	1075	A&P Service Ctr, BP Oil #11124	2951 High St	Oakland	94619
-0-	2A2	ML	1042	Chevron		Oakland	94619
-0-	2A2 2A2	ML	1289		3530 MacArthur Blvd	Oakland	94619
-0-	3A3	ML:	3758	Scooter Wilson	3600 MacArthur Blvd	Oakland	94619
-0-	3A3 3A2	ML:		Kragen Auto Supply Shell	4200 Macarthur Blvd	Oakland	94619
_		• • • • • • • • • • • • • • • • • • • •	3769			Oakland	94619
-0-	-0-	ML	1185	Amir Chevron	4300 MacArthur Blvd	Oakland	94619
-0-	2A4	ML	3221	Milis correde	5000 Macarthur Blvd	Oakland	94619
-0-	-0-	ML	3669	Mills College Golden Gate Academy Unocal Service Sta #5781 Redwood Regional Park Skyline Chevron All Metal Fabrication Acts Full Gospel Church	3800 Mountain Blvd	Oakland	94619
-0-	-0-	SH	1111	Unocal Service Sta #5781	3535 Pierson St	Oakland	94619
-0-	1B4	ML	4145	Redwood Regional Park	7867 Redwood Ave	Oakland	94619
-0-	-0-	ML_{i}	1188	Skyline Chevron	11880 Skyline Blvd	Oakland	94619
~ 0 -	-0-	BC	2162	All Metal Fabrication	5725 E 14th St	Oakland	94621
-0-	2A4	BC	5020	Acts Full Gospel Church Exxon # 7-0236	6118 E 14 th St	Oakland	94621
-0-	2B3	TP	1068	Exxon # 7-0236	6630 E 14th St	Oakland	94621
-0-	-0-	BC	1070	Former Shell Station	7915 E 14th St	Oakland	94621
- O -	-0-	BC	4284	Former Texaco	8124 E 14th St	Oakland	94621
-0-	1C3	BC	4477	East Oakland Youth Dev Center	8200 E 14th St	Oakland	94621
-0-	→ O →	BC	1302	Eddie Mae Jones	8332 E 14th St	Oakland	94621
02/15/95	1c3	\mathtt{CL}	525	Armor Equipment Sales	1137 57th Ave	Oakland	94621
-0-	3 A 3	BC	3576	Pacific Bell	1189 58th Ave	Oakland	94621
-0-	-0-	BC	3693	Unocal Station #3135	845 66th Ave	Oakland	94621
-0-	1.B3	BC	565	Pacific Electric Motor Firehouse #29	1009 66th Ave	Oakland	94621
-0-	-0-	BC	3685	Firehouse #29	1016 66th Ave	Oakland	94621
- Ö -	-0-	BC	3819	Silva Association Roofing	814 69th Ave	Oakland	
-0-	-0-	BC	3622	County Recycling Services, Inc		Oakland	94621
-0-	-0-	BC	3657	R&A Trucking	865 77th Ave	Oakland	94621
-0-	-0-	BC	3803	Chip & Steak	958 77th Ave		94621
				and a poor	JOG //CH AVE	Oakland	94621
+ Dani a ani tar	. ~	4	_ ***				

*Priority Codes: 1xx: High 2xx: Moderate 3xx: Low

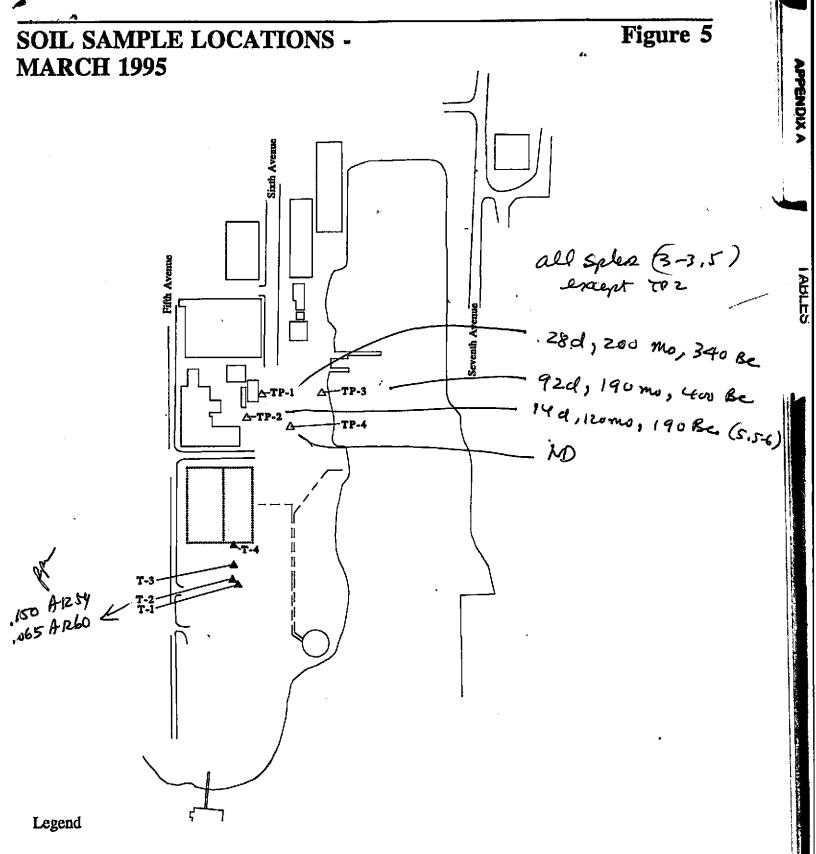
TABLE 4 SUMMARY OF METAL ANALYTICAL RESULTS, SOILS Seabreeze Yacht Center, Oakland, California November 1994 (mg/kg)

÷	Depth	Sample						Cr			***	••		2.70	S .	4.	9779		
Sample ID	(feet)	- Date	Sb	Ar	Ba	Be	Cd	(total)	Co	Cu	Pb	Hg	Мо	Ni	Se	Ag	<u></u>	v	Zn
BD-1	2.0-2.5	11/10/94		**	••	, 		**		7.6	<5	•••	***		••				
	6.0-6.5	11/10/94		**	***	-	••	••	**	15	190	شد				••			
BD-1A	2.0-2.5	11/10/94			-	***		***		13	21			•••		••	••		••
	4.0-4.5	11/10/94		**	••				••	14	23		**						***
BD-2	2.0-2.5	11/10/94			••			••		18	230		-				**	••	•
	4.0-4.5	11/10/94				***	****	****		20	130		**			**		***	
BD-2A	2.0-2.5	11/10/94	••	**			****	••••		23	590							•	***
	4.5-5.0	11/10/94					••	•		28	91		-	***			-		••
BD-3.	2.5-3.0	11/22/94		 5	**					2,300	160			 35	<25	 0 =0	 .08	 31	43
	5.0-5.5	11/22/94	<3.0	<2.5	33	0.40	<0.25	41	5.5	19	8.1	<0.10	<0.99	33	<43	<0.50	<25	31	
BD-4	0.0-0.4	11/10/94	⋖5.9	11	360	0.63	0.77	31	8.2	53	150	0.29	<2	39	<2.5	<0.99	<2.5	40	300
BD-5	2.5-3.0	11/22/94	••				****	•••		38	78		••						
MW-SB3	2.0-2.5	11/10/94	****							50	190			•••	***	***			
	4.5-5.0	11/10/94						***		. 53	310	**	••	••				***	
MW-SB4	2.0-2.5	11/22/94		***	••			••		35	79				-				
•	5.0-5.5	11/22/94	<3.0	3.9	35	0.33	<0.25	37	4.5	15	10	<0.091	<1.0	28	<2.5	<0.50	<2.5	29	32
MW-SB4A	5.0-5.5	11/10/94	<6	13	440	1	<0.50	29	8.1	13	6.2	<0.091	4	34	<2.5	<1	<2.5	30	30
MW-SB5	2.0-2.5	11/22/94		***	**		••	••		24	63			**	**	•			
	3.0-3.5	11/22/94	<3.0	- 11	200 -	1.2	2.4	38	11	150	320	0.40	1.7	180	<2.5	<0.5	<2.5	250	. 280

Notes:

-- = No analysis requested.

Refer to Table 1 for analytical methods. Refer to Figure 1 for sampling locations.



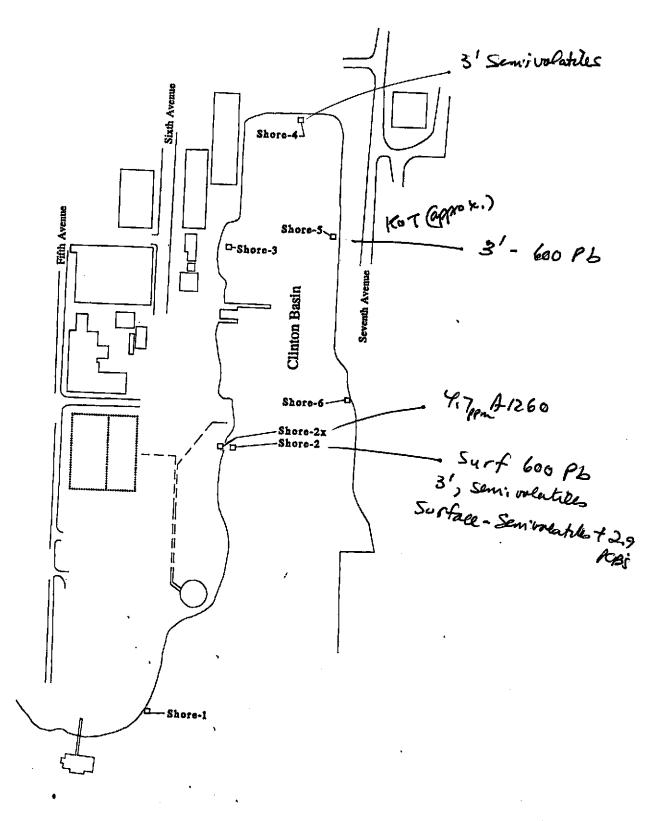
△ Soil Sampling Location, Petroleum Hydrocarbons

▲ Soil Sampling Location, PCBs

Clinton Basin Oakland, California



BYSELINE



Legend

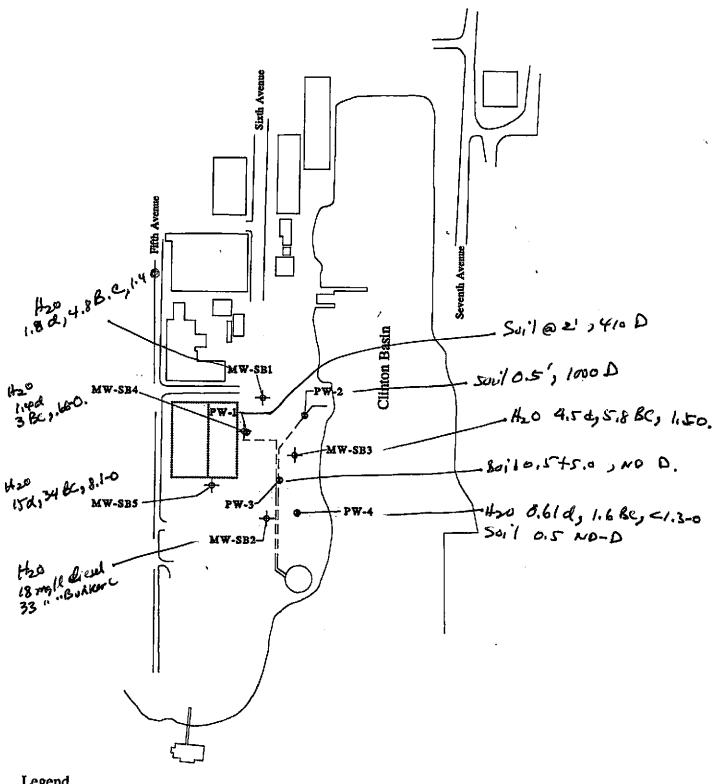
Shoreline Sampling Location

Clinton Basin Oakland, California 200 Feet

MONITORING WELL LOCATIONS

Figure 3

スプロジンスス



Legend

MW-SB2 + Monitoring Well Location PW-1

Clinton Basin Oakland, California 200 Feet

TABLE 3

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS BY IR ANALYSIS, SHORELINE SOIL SAMPLING Clinton Basin Shoreline, Oakland, 19 January 1995

 $(\mu g/g)$

Sample ID	Depth (feet)	Total Petroleum Hydrocarbons by IR
Shore-1-Surface	0	<10
Shore-1-3'	3	15
Shore-2-Surface	0	44
Shore-2-3'1	3	<10
Shore-2d-Surface ²	0	59
Shore-2d-3'	3	360
Shore-2x ³	0.5-1.0	
Shore-3-Surface	0	160
Shore-3-2.5	2.5	18
Shore-4-Surface	0	370
Shore-4-3 ⁴	3	24
Shore-5-Surface	0	28
Shore-5-3.0	3	140
Shore-6-Surface	0	58
Shore-6-2.0	2	33

Notes:

Analyzed by EPA Method 418.1

<xx = Petroleum hydrocarbons were not identified above the reporting limit

-- = Not analyzed

IR = infrared

Samples were collected by BASELINE; samples were analyzed by Friedman & Bruya, Inc. Laboratory reports included in Appendix A. Sample locations indicated on Figure 2.

Sample also analyzed for semivolatile organic compounds (EPA Method 8270). All semivolatiles were reported below laboratory reporting limits except for 53 µg/kg di-n-butylphthalate, 200 µg/kg bis(2-ethylhexyl)phthalate, 37 µg/kg benzo(b)flouranthene, and 38 µg/kg benzo(k)flouranthene.

² Sample also analyzed for semivolatile organic compounds (EPA Method 8270) and polychlorinated biphenyls (PCBs) as Arochlor 1260 (Modified EPA Methods 3550/8080). All semivolatiles were reported below laboratory limits except for 1,000 μg/kg dinbutylphthalate, 39 μg/kg pyrene, 67 μg/kg butylbenzylphthalate, 20,000 μg/kg bis(2-ethylhexyl)phthalate, and 160 μg/kg di-n-octylphthalate.

PCBs were quantified at 2.9 μ g/g. PCBs were quantified at 2.6 μ g/g in a duplicate sample.

Sample also analyzed for PCBs (EPA Method 3550/8080). All PCBs were reported below laboratory reporting limits except for Arochlor 1260, which was quantified at 4,700 µg/kg.

Sample also analyzed for semivolatile organic compounds (EPA Method 8270). All semivolatiles were reported below laboratory reporting limits except for 30 μg/kg acenaphthylene, 25 μg/kg acenaphthene, 61 μg/kg fluorene, 670 μg/kg phenanthrene, 250 μg/kg anthracene, 110 μg/kg di-n-butylphthalate, 1,000 μg/kg fluoranthene. 990 μg/kg pyrene, 140 μg/kg butylbenzylphthalate, 360 μg/kg benzo(a)anthracene, 690 μg/kg chrysene, 170 μg/kg bis(2-ethylhexyl)phthalate, 470 μg/kg benzo(a)pyrene, 630 μg/kg benzo(b)flouranthene, 370 μg/kg benzo(k)flouranthene, 270 μg/kg indeno(1,2,3-cd)pyrene, 160 μg/kg dibenz(a,h)anthracene, and 310 μg/kg benzo(g,h,i)perylene.