GAIA consulting, inc.

FACSIMILE TRANSMITTAL SHEET

SEABREEZE Co 398

2101 Webster Street, 12th Floor, Oakland, CA 94617 tel (510) 663-4257 fax (510) 663-4141

ATTENTION:	Barney Chan
COMPANY:	Alameda Cty EHV Health
FROM:	Melba Policicchio
DATE:	12-16-02 TIME:
JOB NO:	PAGE: 1 OF ~~5~~ 7
FAX NO:	510-337-9335 Original to Follow ____ Yes ____ No

SPECIAL RECEIVING INSTRCTIONS/NOTES:

Hi Barney,

Here is the info on the Seabreeze monitoring wells.

Per your request MWs PW-1 through PW-4 & MW-SB1 were abandoned (destroyed) MW-SB2 was inadvertently abandoned/destroyed.

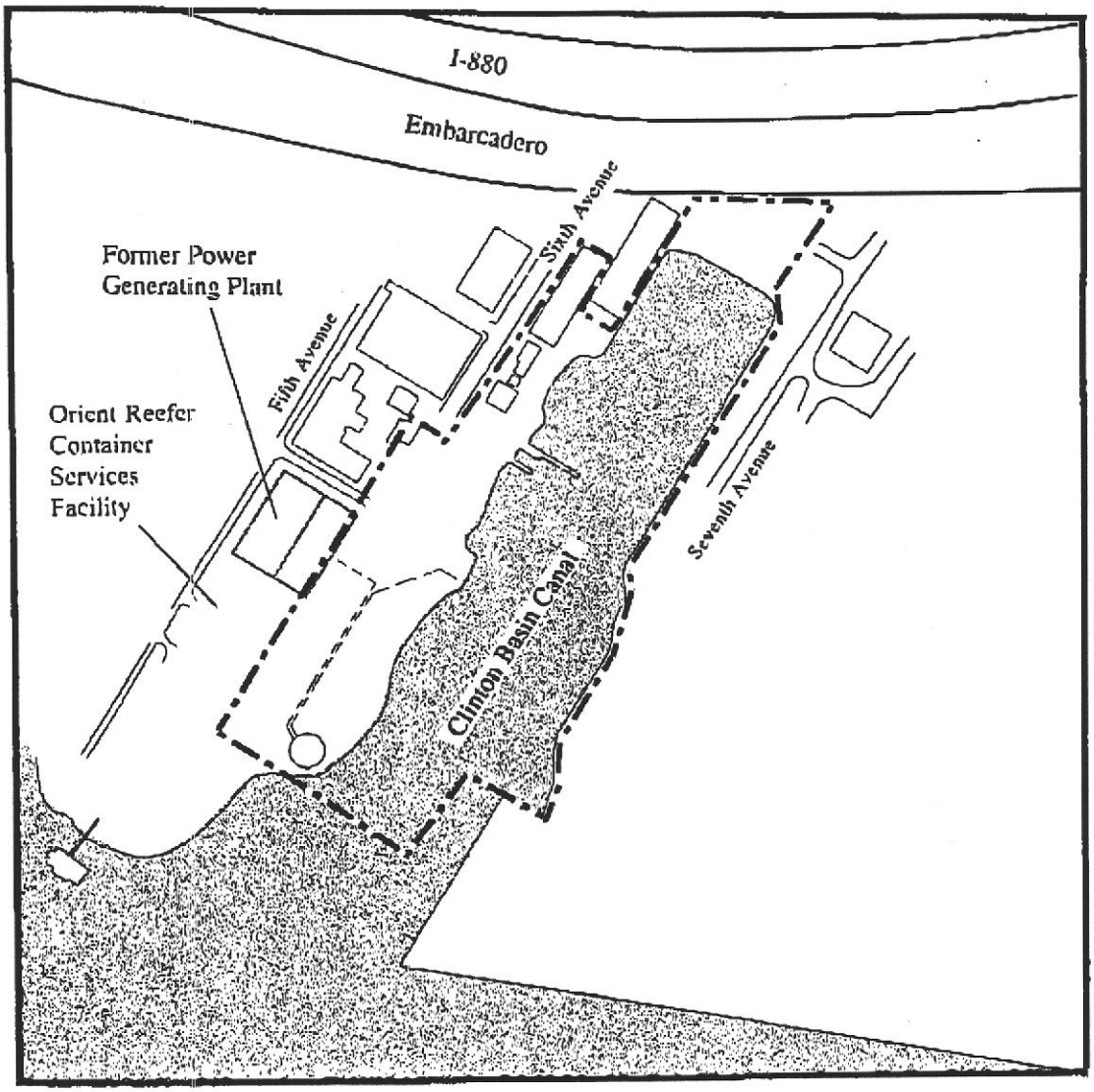
Attached are the site maps & the wells & the last gw monitoring data for the MW-SB2 well. I don't see the need for MW-SB2. Bc 12/16/02

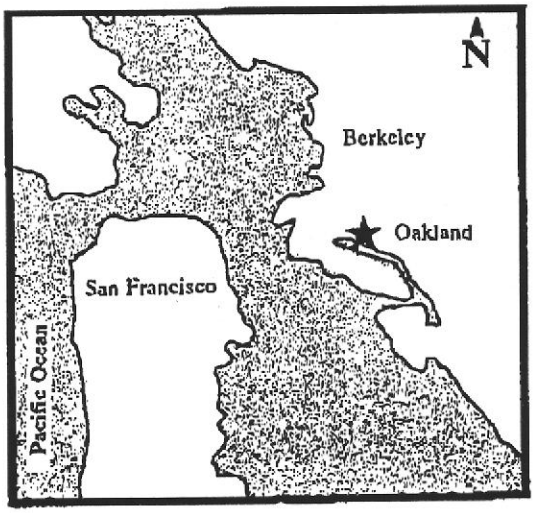
Thanks

SENT BY: _____ FACSIMILE VERIFICATION: (510) 663-4257

PROJECT AND REGIONAL LOCATION

Figure 1





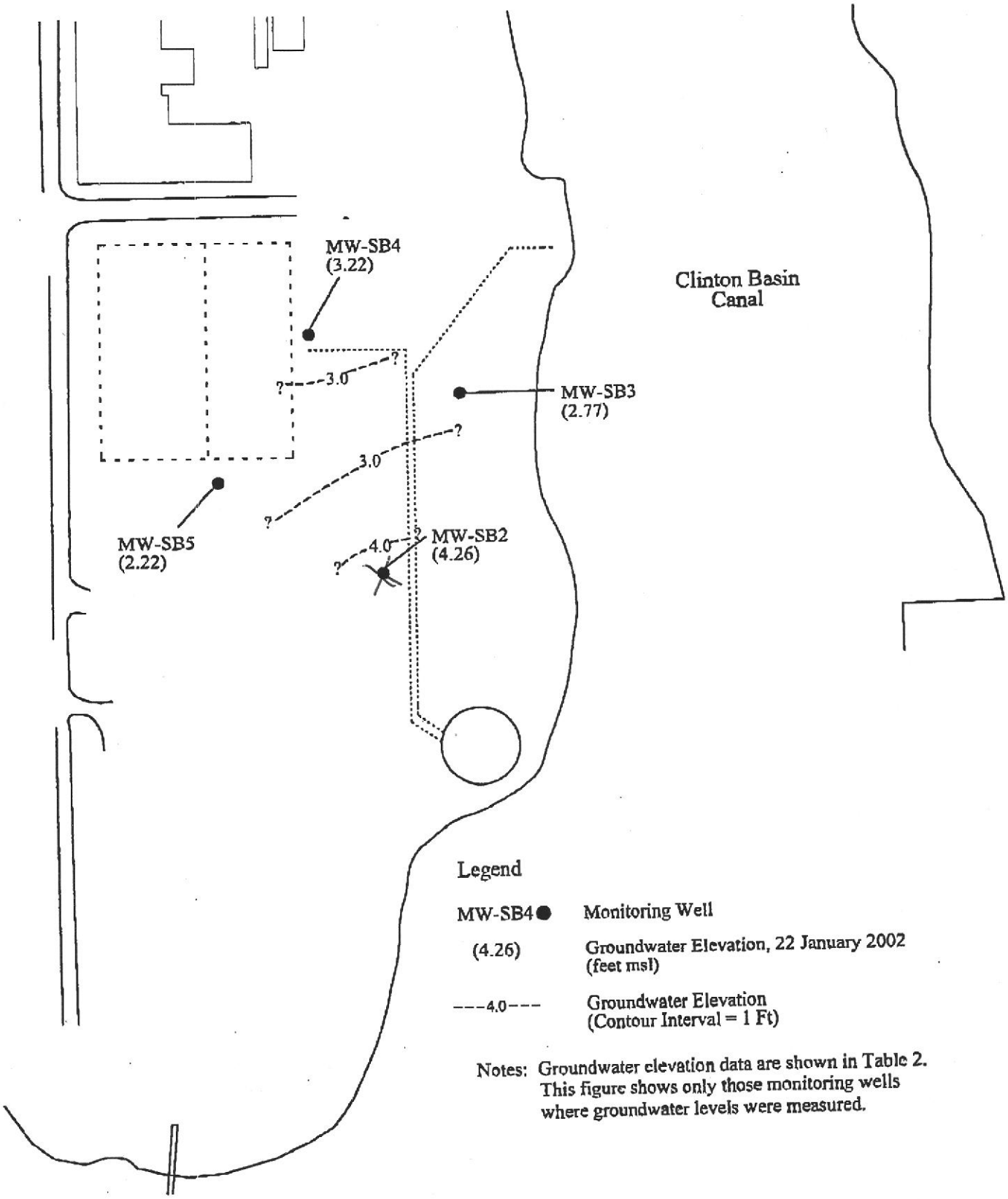
Seabreeze Yacht Center
Oakland, California

BASELINE

S9171-CO 8/18/95

MONITORING WELL LOCATIONS AND GROUNDWATER CONTOUR, JANUARY 2001

Figure 2



Seabreeze Yacht Center
Sixth Avenue
Oakland, California

BASELINE

D:\Graphics\S9171-C1\Feb 2002\Fig2-gw.J02.vcd

TABLE 1
ANALYTICAL RESULTS
Seabreeze Yacht Center, Oakland, California
(mg/L)

Sample ID	Sample Date	Metals[1]		Total Extractable Hydrocarbons			
		Lead	Copper	Diesel	Bunker C	Motor Oil	MTBE[2]
PW-2	02/02/95	**0.0043**	--	--	--	--	--
	03/06/95	--	--	**1.7**[4,5]	**4.4**[4,5]	**1.1**[4,5]	--
	07/01/96	<0.003	<0.01	<0.049	<0.3	--	--
	09/16/96	<0.003[11]	<0.005[12]	<0.05	<0.5	<0.25	--
	12/11/96	**0.0101**[11]	<0.003[12]	**0.11**[14]	<0.5	<0.25	--
	03/14/97	**0.00401**[11]	<0.003[12]	<0.05	<0.5	<0.25	--
	06/20/97	--	--	<0.05	--	--	--
MW-SB2	04/19/91	<0.07	**0.0481**	--	--	--	--
	07/09/91	<0.06[8]	<0.02[9]	--	--	--	--
	01/10/94	<0.10[8]	<0.02[9]	--	--	--	--
	01/26/94	**0.0048**[9]	**0.014**[9]	--	--	--	--
	03/06/95	--	--	**16.0**[4,5]	**28.0**[4,5]	**4.9**[4,5]	--
	07/01/96	<0.003	**0.055**	<0.05	<0.3	--	--
	09/16/96[10]	<0.003[11]	<0.005[12]	<0.05	<0.5	<0.25	--
	12/11/96	**0.00855**[11]	**0.00354**[12]	**0.16**[14]	<0.5	<0.25	--
	03/14/97	**0.00314**[11]	<0.003[12]	**0.061**	<0.5	<0.25	--
	06/20/97	--	--	**0.15**	--	--	--
	01/28/98	--	--	<0.05[16]	--	--	--
	01/06/99	--	--	<0.048	--	--	--
	02/04/00[19]	--	--	--	--	--	--
	01/19/01	--	--	<0.05	--	--	<0.005
	01/24/02	--	--	<0.05	--	--	<0.005
MW-SB2A	03/06/95	--	--	**18.0**[4,5,6]	**33.0**[4,5,6]	<25.0[4,5,6]	--
	07/01/96	<0.003	**0.065**	**0.17**[7]	<0.3[5]	--	--
	09/16/96	<0.003[11]	<0.005[12]	**0.17**	<0.5[5]	<0.25	--
MW-SB3	03/06/95	--	--	**2.3**[4,5]	**5.8**[4,5]	**1.5**[4,5]	--
	07/01/96	**0.0036**	<0.01	<0.049	<0.3	--	--
	09/16/96	<0.003[11]	<0.005[12]	<0.05[4]	<0.5	**0.28**[4]	--
	12/11/96	<0.003[11]	<0.003[12]	**0.19**[14]	<0.5	<0.25	--
	03/14/97	<0.003[11]	**0.00529**[12]	**0.085**[15]	<0.5	<0.25	--
	06/20/97	--	--	**0.15**	--	--	--
	01/28/98	--	--	<0.05[16]	--	--	--
	01/06/99	--	--	<0.049[17]	--	--	--
	02/04/00	--	--	<0.05	--	--	<0.002
	01/19/01	--	--	<0.05	--	--	<0.005
	01/24/02	--	--	<0.05	--	--	<0.005

(continued)

Table 1 *continued*

Sample ID	Sample Date	Metals[1]		Total Extractable Hydrocarbons[2]			
		Lead	Copper	Diesel	Bunker C	Motor Oil	MTBE
MW-SB3A	06/20/97	--	--	**0.11**	--	--	--
	01/28/98	--	--	<0.05[16]	--	--	--
	01/06/99	--	--	**0.13**[7,18]	--	--	--
	02/04/00	--	--	<0.05	--	--	<0.002
MW-SB4	03/03/95	--	--	**1.4**[4,5]	**3.0**[4]	**0.66**[4]	--
	07/01/96	**0.014**	**0.013**	<0.049	<0.3	--	--
	09/16/96	<0.003[11]	<0.005[12]	<0.05	<0.5	<0.25	--
	12/11/96	**0.00465**[11]	**0.00674**[12]	**0.12**[14]	<0.5	<0.25	--
	03/14/97	**0.00519**[11]	<0.003[12]	<0.05	<0.5	<0.25	--
	06/20/97	--	--	**0.11**	--	--	--
	01/28/98	--	--	<0.05[16]	--	--	--
	01/06/99	--	--	<0.049	--	--	--
	02/04/00	--	--	<0.05	--	--	<0.002
	01/19/01	--	--	<0.05	--	--	<0.005
	01/24/02	--	--	<0.05	--	--	<0.005
MW-SB5	03/06/95	--	--	**15.0**[4,5]	**34.0**[4,5]	**8.1**[4,5]	--
	07/01/96	**0.0031**	**0.012**	<0.049	<0.3	--	--
	09/16/96	<0.003[11]	<0.005[12]	**0.14**[4,13]	<0.5	<0.25	--
	12/11/96	**0.00344**[11]	<0.003[12]	**0.16**[14]	<0.5	<0.25	--
	03/14/97	<0.003[11]	**0.00318**[12]	**0.29**	<0.5	<0.25	--
	06/20/97	--	--	**0.27**	--	--	--
	01/28/98	--	--	<0.05[16]	--	--	--
	01/06/99	--	--	<0.05	--	--	--
	02/04/00	--	--	<0.05	--	--	<0.002
	01/19/01	--	--	<0.05	--	--	<0.005
	01/24/02	--	--	<0.05	--	--	<0.005
MW-SB5A	03/06/95	--	--	**15.0**[4,5,6]	**31.0**[4,5,6]	**6.9**[4,5,6]	--
	12/11/96	<0.003[11]	<0.003[12]	**0.081**[14]	<0.5	<0.25	--
	03/14/97	<0.003[11]	<0.003[12]	**0.22**	<0.5	<0.25	--
	01/24/02	--	--	<0.05	--	--	<0.005

Notes: <x.x = analyte not identified above laboratory reporting limit of x.x.
x.x = concentrations reported at or above laboratory reporting limit.
-- = no analysis performed.
MW-SB2A = duplicate sample collected from well MW-SB2.
MW-SB3A = duplicate sample collected from well MW-SB3.
MW-SB5A = duplicate sample collected from well MW-SB5.
Refer to Figure 2 for well locations (note that the location of well PW-2 is not shown on Figure 2 as groundwater samples were not collected from this well in 2001).
Laboratory reports for the January 2002 sampling event are included in Attachment B.

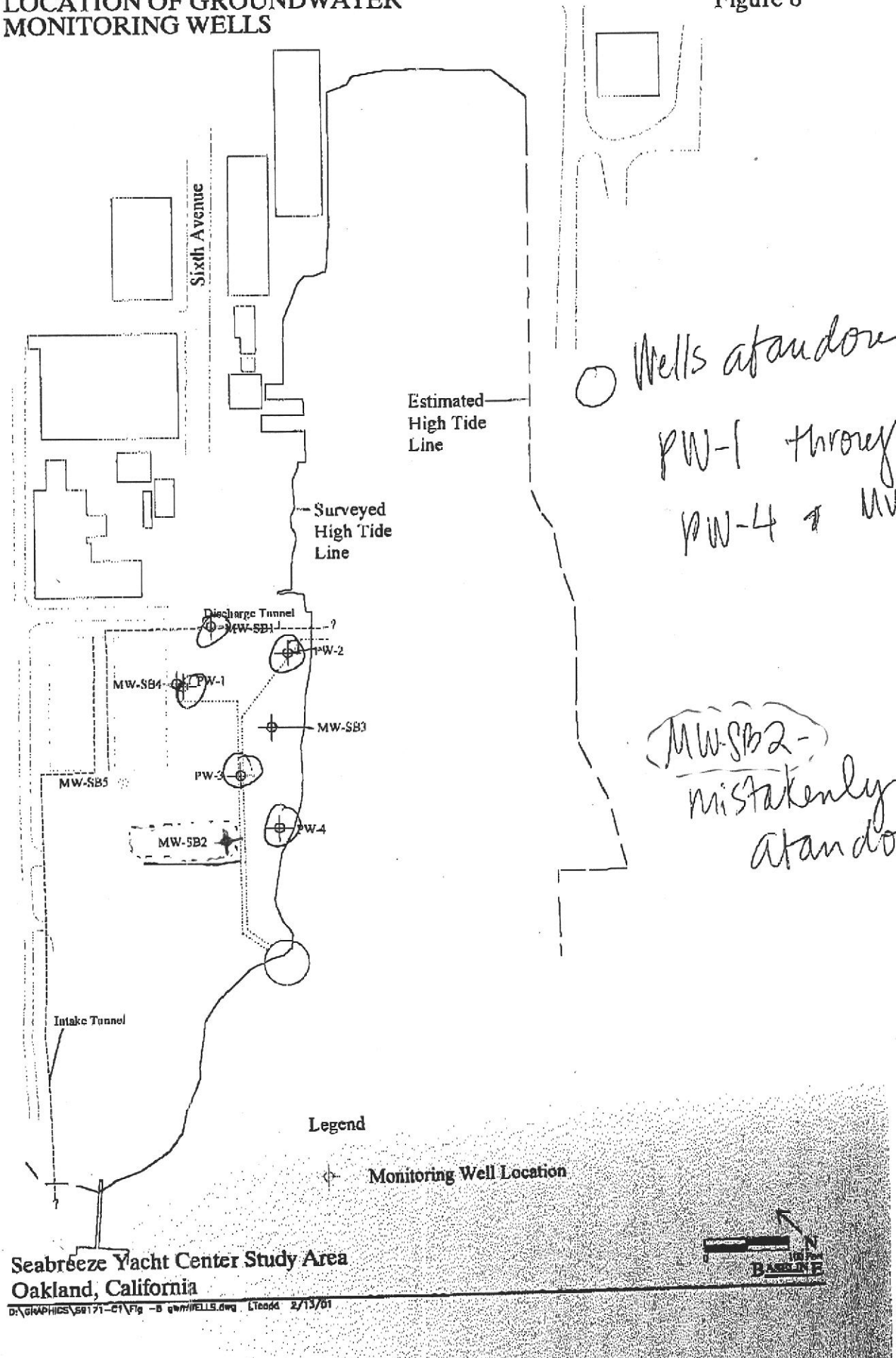
1 Analytical Method EPA 6010A, unless otherwise noted.
2 Analytical Method California DOHS, LUFT Manual (EPA 8015M). Samples were subjected to silica gel cleanup (EPA Method 3630) prior to analysis, unless otherwise noted.

Table 1 *continued*

[3] Analytical Method EPA 8020 or 8021B.
[4] Sample chromatogram does not resemble hydrocarbon standard.
[5] Samples were not subjected to silica gel cleanup prior to analysis.
[6] Duplicate sample centrifuged prior to TEPH analyses.
[7] Sample exhibited fuel pattern which did not resemble standard.
[8] Analyzed using EPA Method 7420.
[9] Analyzed using EPA Method 7210.
[10] Sample also analyzed for mercury, arsenic, cadmium, chromium, iron, nickel, silver, and zinc. All metals were reported below the corresponding laboratory reporting limits except for iron, which was identified at 0.13 mg/L.
[11] Analyzed using EPA method 7421. Sample filtered by the laboratory prior to analysis.
[12] Analyzed using EPA Method 7211. Sample filtered by the laboratory prior to analysis.
[13] Laboratory indicated that miscellaneous peaks were present in the diesel range.
[14] The laboratory indicated that the analyte was also found in the corresponding method blank at a concentration of 0.063 mg/L as well as in the sample, verifying laboratory contamination. The sample chromatographic pattern matched that of the laboratory contaminant reported in the method blank. Therefore, the reported concentration is a false positive concentration.
[15] The laboratory indicated that the chromatographic pattern of the sample matches a known laboratory contaminant. Based on telephone correspondence with Mr. Ron Chu of PACE, the laboratory contaminant may be due to contamination of the silica gel used to clean up the sample prior to analysis.
[16] The corresponding method blank sample (laboratory sample) contained 0.067 mg/L of a hydrocarbon reported to be heavier than diesel. The laboratory indicated that the method blank sample result should not affect the data quality since the collected samples did not contain diesel above the laboratory reporting limit.
[17] The corresponding duplicate sample, MW-SB3A, was reported to contain diesel above the laboratory reporting limit.
[18] The laboratory indicated that the sample chromatogram contained heavier hydrocarbons than the diesel standard.
[19] Well could not be located at time of sampling.

LOCATION OF GROUNDWATER MONITORING WELLS

Figure 6



Wells abandoned PW-1 through PW-4 & MW-SB1

MW-SB2 - mistakenly abandoned

Seabreeze Yacht Center Study Area
Oakland, California

D:\GRAPHICS\S9171-C1\Fig -6 gw\WELLS.dwg LTodd 2/13/01