



GROUNDWATER TECHNOLOGY, INC.

ENVIRONMENTAL PROTECTION
95 APR 27 PM 1:45

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691, (916) 372-4700

FAX (916) 372-8781

TO: Mr. Don Ringsby
Ringsby Terminals, Inc.
P.O. Box 7240
Denver, CO. 80207
(303) 320-3960 FAX (303) 355-2451

DATE: 04/26/95 JOB NO. 02070-0061
FROM: Jaff Auchterlonie 564
RE: Ringsby Terminal - Port of Oakland
2225 7th Street
Oakland, CA. 94607

We are sending via: AIRBORNE MAIL FAX

ORIGINALS	COPIES	DATE	DESCRIPTION
1	0	04/26/95	First Quarter 1995 Groundwater Monitoring and Sampling Report

Transmitted as checked:

For Approval For Your Use As You Requested
 For Comment For Resubmittal For Your Records

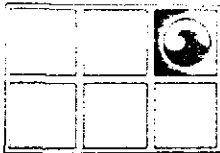
Remarks: Please review the attached report that has been transmitted via FAX. With your approval, an original of the Quarterly M&S Report will be mailed to your office and copies will be mailed to Jennifer Eberle of the ACDEH and to Mr. Dan Schoenholz of the Port of Oakland.
If you have any comments or questions concerning the work plan, please feel free to give me a call.

Copies to:

Ms. Jennifer Eberle, Hazardous Materials Specialist (510) 567-6761
Alameda County Department of Environmental Health FAX (510) 337-9335
1131 Harbor Bay Parkway, #250
Alameda, California 94502-6577

Mr. Dan Schoenholz (510) 272-1220
Environmental Scientist FAX (510) 465-3755
Port of Oakland
530 Water Street
Oakland, California 94607

Tms4.WK3



GROUNDWATER TECHNOLOGY, INC.

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691, (916) 372-4700

FAX (916) 372-8781

April 26, 1995

Mr. Don Ringsby
Ringsby Terminals, Inc.
3980 Quebec Street, Suite 214
Denver, CO 80207

Subject: First Quarter 1995 Groundwater Monitoring and Sampling Report
Ringsby Terminals, Port of Oakland
2225 7th Street
Oakland, California 94607
GTI Project 02070 0061

Dear Mr. Ringsby:

This letter summarizes the groundwater monitoring and sampling work performed by Groundwater Technology Inc. at the subject site (Attachment 1, Figure 1). On **March 29, 1995**, Groundwater Technology personnel monitored the depth to groundwater in three groundwater monitoring wells, MW-1, MW-2, and MW-3, located on the property leased by Ringsby Terminals, Inc. Groundwater Technology personnel also collected water samples from the three wells to determine the distribution of hydrocarbons in the groundwater. The work was performed at the request of Ms. Jennifer Eberle of the Alameda County Health Care Services, Department of Environmental Health, (ACHC).

The groundwater monitoring information and results of analyses of groundwater samples collected in January 1993, September 1994, November 1994, and March 1995, are summarized in Table 1 (Attachment 2). The analytical data and Chain-of-Custody for the March 29, 1995 sampling event are included in Attachment 3. The groundwater monitoring and sampling field notes for March 29, 1995, are included in Attachment 4. Please note the monitoring wells, MW-1, MW-2, and MW-3, are located on the Ringsby Terminal Lease and the three wells, MW-1*, MW-2*, and MW-3*, are located north of the Ringsby Terminal lease on the Port of Oakland property (Figure 2 and Attachment 2). The December 6, 1994 Port of Oakland groundwater monitoring well survey results were used to calculate new groundwater gradients for the current and previous groundwater monitoring events (Figure 3 and Table 1).

File: DNGRYO&M.R3b

Groundwater Monitoring

On March 29, 1995, Groundwater Technology personnel monitored the groundwater elevation and the thickness of any SP hydrocarbons in monitoring wells MW-1, MW-2, and MW-3 (Figure 3, Table 2). Consultants for the Port of Oakland also monitored the depth to groundwater and product thickness in the Port of Oakland wells MW-1*, MW-2*, and MW-3*. The Port of Oakland groundwater monitoring wells were not monitored or sampled by Groundwater Technology.

Depth to water was measured using an ORS Environmental Equipment INTERFACE PROBE Well Monitoring System, consisting of a dual optical sensor and electrical conductivity probe, that distinguishes between water and SP hydrocarbons. The probe was cleaned between each well to avoid cross contamination of the groundwater. **To diminish the effects of fluctuations in the groundwater table due to tides, the depth to groundwater was measured in the three wells within a one-hour time period.** All measurements were made from the top of casing in each well. No SP hydrocarbons were noted in the three Ringsby Terminals groundwater monitoring wells.

Groundwater Gradient and Flow Direction

Based on the water table measurements in the three Ringsby Terminal groundwater monitoring wells, the calculated groundwater flow was North 13 degrees East at a gradient of 0.003 foot per foot, (Attachment 1, Figure 3). Groundwater monitoring data for the Port of Oakland groundwater monitoring wells MW-1*, MW-2*, and MW-3* was not supplied to Groundwater Technology, Inc or representatives of Ringsby Terminals, Inc.

why not?

Groundwater Sampling

Following groundwater monitoring, groundwater Technology personnel sampled the groundwater in the three Ringsby Terminals monitoring wells to determine the distribution of dissolved hydrocarbons in the groundwater. Prior to water-sample collection, the three Ringsby Terminal groundwater monitoring wells were purged of 4 well volumes and allowed to recharge with representative formation water. Temperature, conductivity, and pH measurements of the purged water were recorded. **Due to an obstruction in its screened section, well MW-3 was only purged to a depth of 9.25 feet below the casing top.** A disposable Teflon bailer was used for the groundwater sampling. One distilled water field blank was collected for quality control purposes. All water samples were then transferred to two 40-milliliter glass vials with Teflon-septum caps and two 1-liter amber bottles, preserved on ice, and transported to a California state-certified laboratory, accompanied by a chain-of-custody manifest. The three groundwater samples and one field blank sample were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX), and total petroleum hydrocarbons-as-gasoline (TPH-G), and total petroleum hydrocarbons-as-diesel (TPH-D) by EPA methods 8020 and modified 8015.

sand?
↑

clear it out!

WASTEWATER

A total of 55 gallons of purge water was generated during the purging event of the monitoring wells. The 55-gallon drum was labeled "Dongary, non-hazardous well purge water, 03-29-95". Since the analytical results document the presence of hydrocarbons in the groundwater, the drum of purged water will need to be disposed of off-site.

GROUNDWATER ANALYTICAL RESULTS

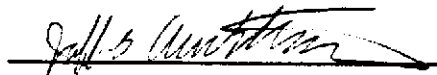
Samples collected from groundwater monitoring well MW-2 contained 75 ug/L TPH-D and 0.3 ug/L benzene. The water sample collected from MW-2 was also reported by GTEL to have a gas chromatogram pattern that is not characteristic of a gasoline signature (Attachment 3). Water samples collected from groundwater monitoring wells MW-1 and MW-3 did not contain concentrations of BTEX, TPH-G, and TPH-D above the laboratory reporting limits. The recent and historical analytical results are summarized in Table 1. Copies of the laboratory reports and chain-of-custody for the March 29, 1995 groundwater samples are included in Attachment 3 and the field notes are included in Attachment 4.

OBSERVATIONS

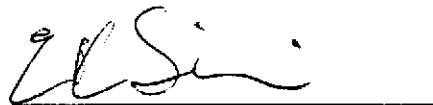
The groundwater elevations measured in the three wells on March 29, 1993 were 0.81 to 1.19 feet higher than those measured during the previous monitoring event. The calculated flow direction and gradient calculated for this monitoring event was North 13 degrees East at 0.0035 foot/foot and the previous event was North 17 degrees West at 0.0016 foot/foot. As shown in Table 1, dissolved TPH-D concentrations, reported in all three monitoring wells during the previous quarter, have declined to below the laboratory reporting limits in MW-1 and MW-3.

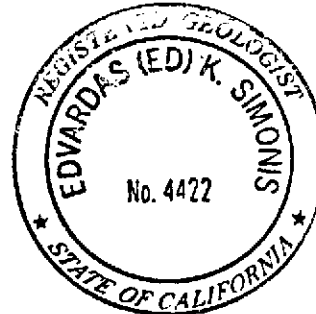
Please contact Groundwater Technology's West Sacramento office if you have questions or comments regarding this quarterly report.

Sincerely,
Groundwater Technology, Inc.
Written/Approved by


JAFFREY S. AUCHTERLONIE
Lead Geologist
Project Manager

Groundwater Technology, Inc.
Reviewed/Approved by

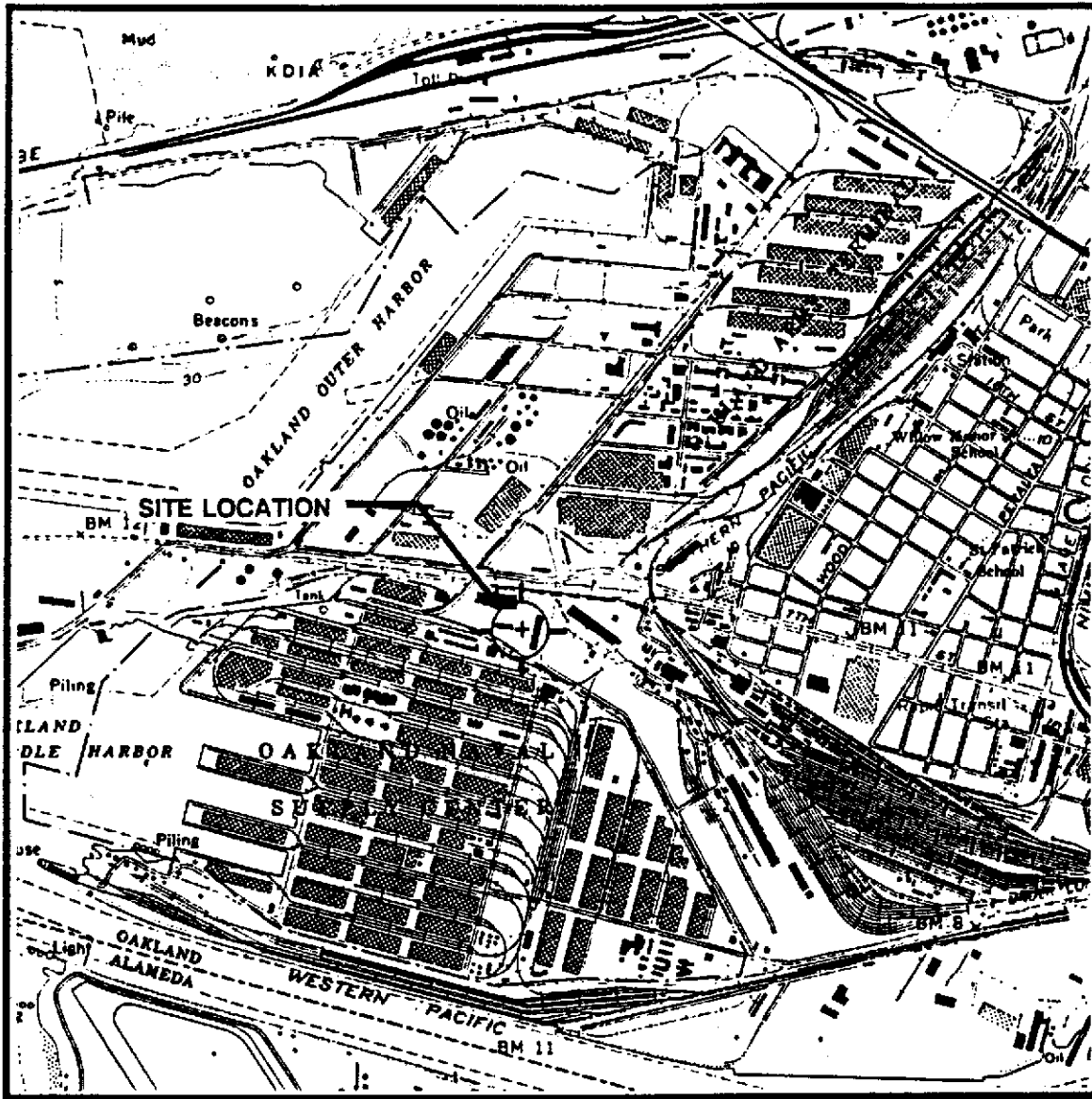

E. K. SIMONIS, R.G.
Senior Geologist



JSA/rz

Attachments

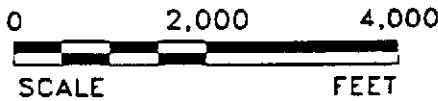
1. Figures
2. Tables
3. Laboratory Reports
4. Groundwater Monitoring Well Survey Data, and Monitoring and Sampling Field Notes



SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE
 OAKLAND WEST
 7.5 MINUTE SERIES
 1959/PHOTOREVISED 1980



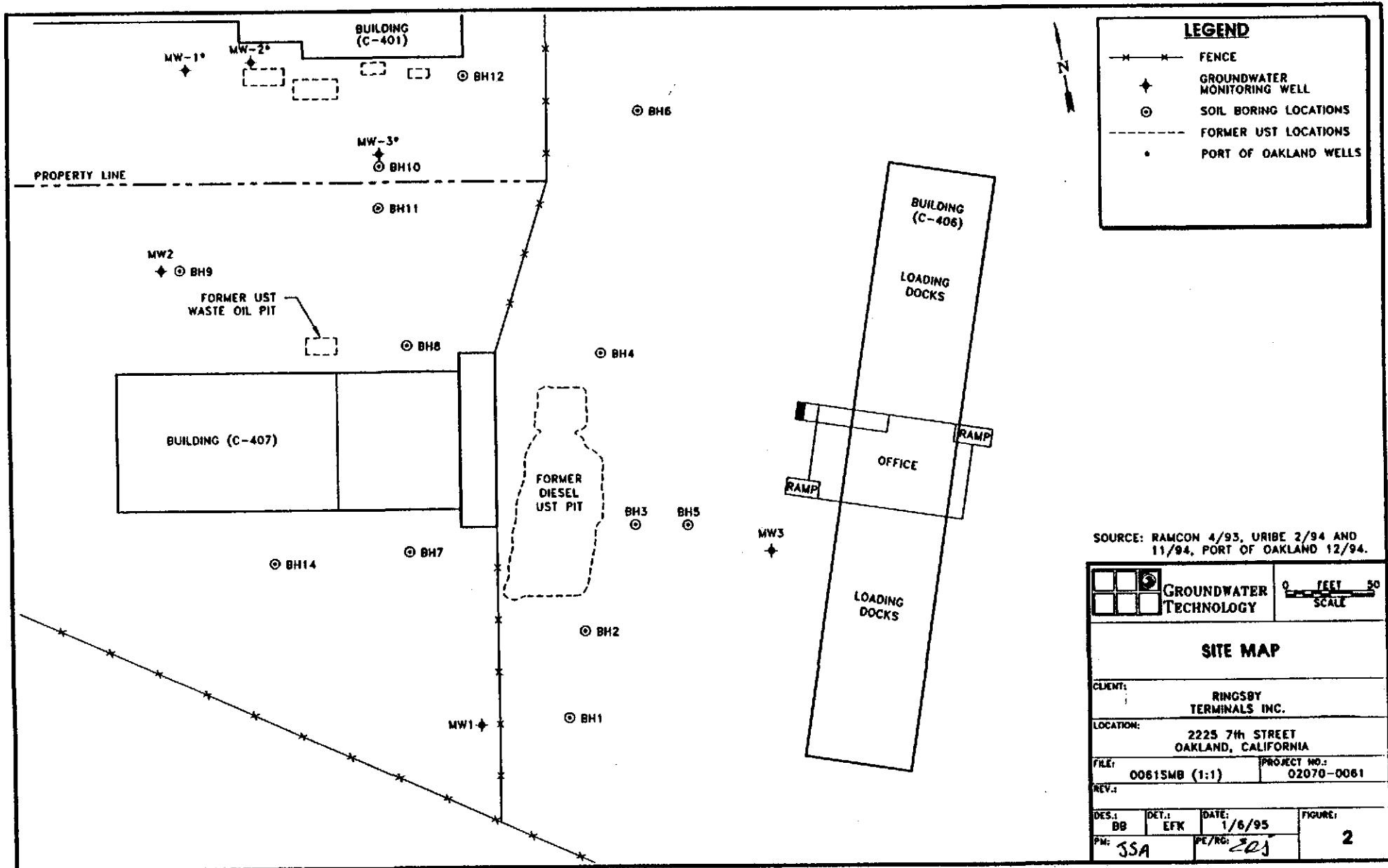
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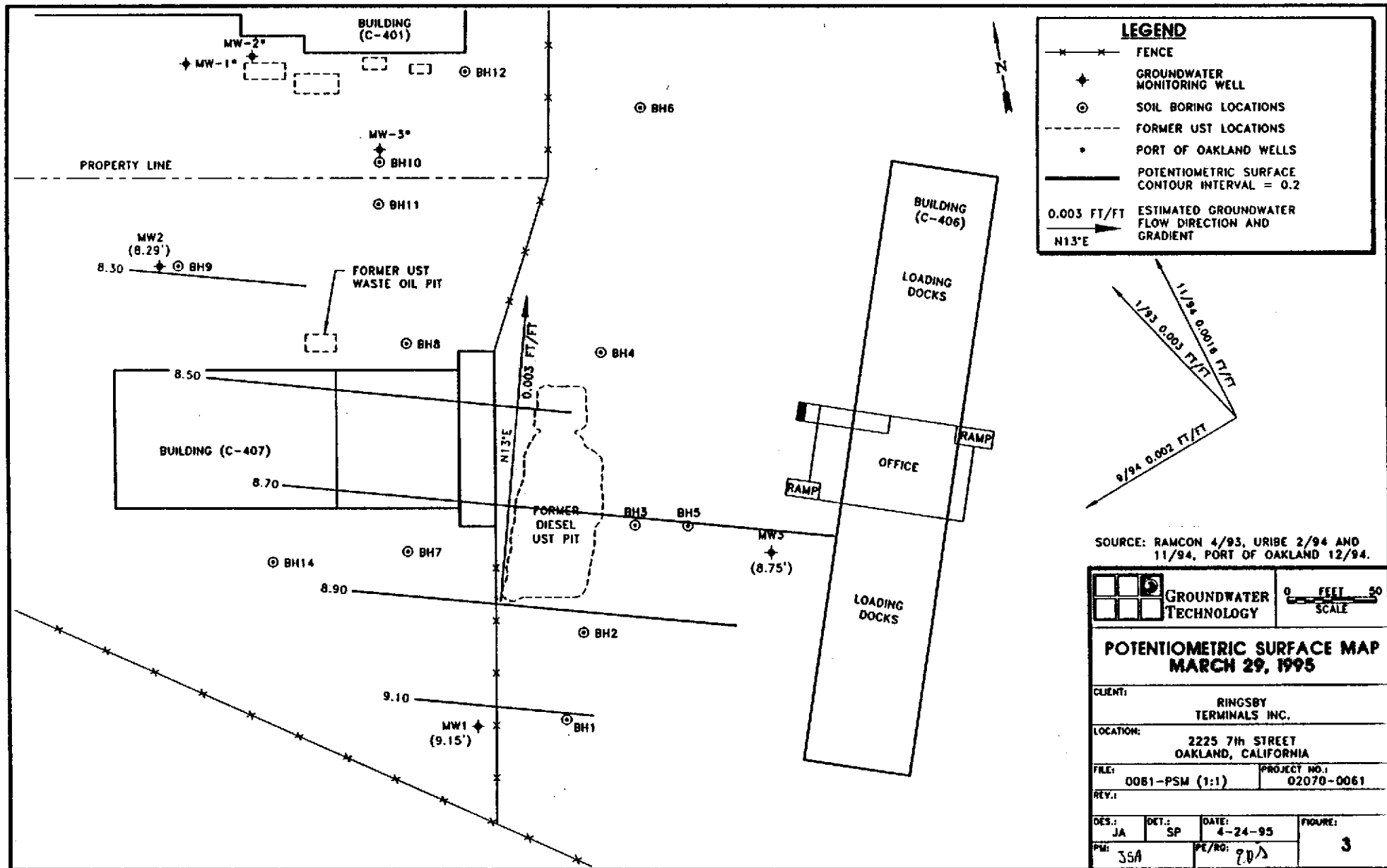


**GROUNDWATER
 TECHNOLOGY**

SITE LOCATION MAP

CLIENT: RINGSBY TERMINALS INC.	FILE: 0061-SL (1:1)	PROJECT NO.: 02070-0061	PM JSA	PE/RG. SMA
	REV.	FIGURE: 1		
LOCATION: 2225 7th STREET OAKLAND, CA.	DES. JA	DET. SP	DATE: 4-4-95	





LEGEND

- x — x — x — FENCE
- ◆ GROUNDWATER MONITORING WELL
- ⊙ SOIL BORING LOCATIONS
- - - - - FORMER UST LOCATIONS
- PORT OF OAKLAND WELLS
- POTENTIOMETRIC SURFACE CONTOUR INTERVAL = 0.2
- 0.003 FT/FT ESTIMATED GROUNDWATER FLOW DIRECTION AND GRADIENT
- N13°E

SOURCE: RAMCON 4/93, URIBE 2/94 AND 11/94, PORT OF OAKLAND 12/94.

POTENTIOMETRIC SURFACE MAP MARCH 29, 1995			
CLIENT: RINGSBY TERMINALS INC.			
LOCATION: 2225 7th STREET OAKLAND, CALIFORNIA			
FILE: 0081-PSM (1:1)		PROJECT NO.: 02070-0061	
REV.:			
DES.: JA	DET.: SP	DATE: 4-24-95	FIGURE: 3
PE/RO: JDA			

Table 1
GROUNDWATER MONITORING AND ANALYTICAL DATA, 1993, 1994, and 1995
 Concentrations in parts per billion (ppb), or micrograms per liter (µg/l)

Ringsby Terminals, Inc.- Port of Oakland
 2225 7th Street, Oakland, California

WELL ID/ ELEVATION (TOC:feet)	DATE	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES	TPH-G	TPH-D	DTW (feet)	SPT (feet)	GWE (feet)
MW-1 13.72	01/15/93	< 0.3	< 0.3	< 0.3	< 0.3	< 50	< 50	5.21	0.00	8.51
	09/12/94	0.5	< 0.3	< 0.3	< 0.3	< 10 c	10,000	6.37	0.00	7.35
	11/30/94	< 0.3	< 0.3	< 0.3	< 0.3	< 10	2,800	5.76	0.00	7.96
	03/29/95	< 0.3	< 0.3	< 0.3	< 0.3	< 50	< 50	4.57	0.00	9.15
MW-2 13.80	01/15/93	< 0.3	< 0.3	< 0.3	< 0.3	< 50	< 50	6.21	0.00	7.59
	09/12/94	0.5	< 0.3	< 0.3	< 0.3	34 c	< 50	6.47	0.00	7.33
	11/30/94	0.9	< 0.3	< 0.3	< 0.3	< 10	81	6.34	0.00	7.46
	03/29/95	0.3	< 0.3	< 0.3	< 0.3	< 50	75	5.51	0.00	8.29
MW-3 15.06	01/15/93	< 0.3	< 0.3	< 0.3	< 0.3	< 50	< 50	6.44	0.00	8.62
	09/12/94	0.3	< 0.3	< 0.3	< 0.3	< 50	< 50	7.35	0.00	7.71
	11/30/94	< 0.3	< 0.3	< 0.3	< 0.3	110	150	7.12	0.00	7.94
	03/29/95	< 0.3	< 0.3	< 0.3	< 0.3	< 50	< 50	6.31	0.00	8.75
MW-1* 14.14	11/30/94	--	--	--	--	--	--	9.51	0.91	-8.71
	03/29/95	--	--	--	--	--	--	--	--	--
MW-2* 14.37	11/30/94	--	--	--	--	--	--	8.91	0.00	-8.91
	03/29/95	--	--	--	--	--	--	--	--	--
MW-3* 14.20	11/30/94	--	--	--	--	--	--	13.07	5.21	-8.51
	03/29/95	--	--	--	--	--	--	--	--	--

Page 1 of 1

Page 1 of 1

EXPLANATION:

TPH-G = Total petroleum hydrocarbons-as-gasoline

TPH-D = Total petroleum hydrocarbons-as-diesel

DTW = Depth to water

SPT = Separate-phase thickness

GWE = Groundwater elevation

MSL = Mean sea level

TOC = Top of casing

-- = Not analyzed or no sample collected

~ = Sample also analyzed using EPA 624, volatile organics were present.

a = Uncategorized compound not included in the hydrocarbon concentration

b = Uncategorized compound not included in the gasoline concentration

c = Hydrocarbon pattern is not characteristic of gasoline

SURVEY INFORMATION:

Well #	TOC	Grade	Property/well Owner
MW-1	13.72	---	Ringsby Terminals, Inc.
MW-2	13.80	---	Ringsby Terminals, Inc.
MW-3	15.06	---	Ringsby Terminals, Inc.
MW-1*	14.14	---	Port of Oakland
MW-2*	14.37	---	Port of Oakland
MW-3*	14.20	---	Port of Oakland

GWE for wells with separate phase hydrocarbons calculated assuming a specific gravity of (0.875)

Wells surveyed to Port of Oakland Datum 12/06/94, (3.2 feet below mean sea level)



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region

4080-C Pike Lane

Concord, CA 94520

(510) 685-7852

(800) 544-3422 from inside California

(800) 423-7143 from outside California

(510) 825-0720 (FAX)

April 7, 1995

Jaff Auchterlonie
Groundwater Technology, Inc.
1401 Halyard Drive, Suite 140
West Sacramento, CA 95691

RE: GTEL Client ID: 020700061
Login Number: C5030355
Project ID (number): 020700061.030504
Project ID (name): Dongary/2225 7th St., Oakland, CA

Dear Jaff Auchterlonie:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 03/30/95 under Chain-of-Custody Number(s) 38560.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the Department of Health Service under Certification Number E1075.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

GTEL Client ID: 020700061
 Login Number: C5030355
 Project ID (number): 020700061.030504
 Project ID (name): Dongary/2225 7th St., Oakland, CA ✓

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Aqueous

GTEL Sample Number	C5030355-01	C5030355-02	C5030355-03	C5030355-04
Client ID	TB-LB	MW-3	MW-2	MW-1
Date Sampled	03/29/95	03/29/95	03/29/95	03/29/95
Date Analyzed	04/01/95	04/02/95	04/03/95	04/02/95
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.3	ug/L	< 0.3	< 0.3	0.3	< 0.3
Toluene	0.3	ug/L	< 0.3	< 0.3	< 0.3	< 0.3
Ethylbenzene	0.3	ug/L	< 0.3	< 0.3	< 0.3	< 0.3
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
TPH as GAS	50.	ug/L	< 50.	< 50.	< 50.	< 50.
BFB (Surrogate)	--	%	92.3	92.3	93.6	91.8

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846. Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols. May 1988 revision.

C5030355-03:

Uncategorized compound is not included in gasoline concentration.

GTEL Concord, CA
 C5030355:1



Client Number: 020700061
 Project ID: Dongary
 2225 7th St.
 Oakland, CA
 Work Order Number: CS-03-0335

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Diesel in Water

Modified EPA Methods 3510/8015^a

GTEL Sample Number		02	03	04	GCKB 0405
Client Identification		MW-3	MW-2	MW-1	METHOD BLANK
Date Sampled		03/29/95	03/29/95	03/29/95	-
Date Extracted		04/01/95	04/01/95	04/01/95	04/01/95
Date Analyzed		04/05/95	04/05/95	04/05/95	04/05/95
Analyte	Detection Limit, ug/L	Concentration, ug/L			
TPH as Diesel	50	<50 ✓	75 ✓	<50 ✓	<50
Detection Limit Multiplier		1	1	1	1
O-Terphenyl surrogate, % recovery		108	122	108	88.7

^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.

GTEL Client ID: 020700061
Login Number: C5030355
Project ID (number): 020700061.030504
Project ID (name): Dongary/2225 7th St., Oakland, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

Method Blank Results

QC Batch No: M040195-1
Date Analyzed: 01-APR-95

Analyte	Method: EPA 8020	Concentration: ug/L
Benzene	< 0.30	
Toluene	< 0.30	
Ethylbenzene	< 0.30	
Xylenes (Total)	< 0.50	
TPH as Gasoline	< 50.0	

Notes:

Attachment 4

**Groundwater Monitoring Well Survey Data
and
Monitoring and Sampling Field Notes**

WORK REQUEST FORM

JOB NAME: Dongary - Port of Oakland JOB NUMBER: 02070-0061-030504
SITE ADDRESS: 2225 7th Street START DATE: 3/29/95
Oakland, California DATE PREPARED: 10/09/94
PREPARED FOR: Field Services PREPARED BY: Jaff Auchterlonie

WORK DESCRIPTION: MONITOR AND SAMPLE THREE 15 foot deep MONITORING WELLS
SCOPE OF WORK: MONITOR and SAMPLE 3-15 foot deep GROUNDWATER WELLS for three quarters
Projected work dates, the second week of: (December, March, and ~~July~~ June)

~~Monitoring well seals must be installed at site, please call Jaff Auchterlonie for details~~

MONITOR GROUNDWATER DEPTH IN THREE WELLS

Due to tidal influences at the site it is important to measure the groundwater depth in the
in the three wells in a reasonably short time frame.

Break the sanitary seal in each well and allow groundwater to stabilize.
Measure the depth to groundwater in each well, taking no more than 15 minutes
to monitor the depths in all three wells.
All depth measurements will be from Top Of Casing

COLLECT WATER SAMPLES FROM THE THREE WELLS, MW-1, MW-2, MW-3

Based on past analyses, sample well MW-3 first, MW-2 second, and MW-1 last.
Using a hand bailer Purge four well volumes from each well
Measure & record pH, conductivity, and temperature of the purged groundwater.
Store water in one or two 55 gallon drums and place drums as shown on attached site plan.
Label drums as purged groundwater, Dongary Investments/GTI, and date.

ANALYZE WATER SAMPLES WITH GTEL.

Fill out COC and request BTEX, TPH-G, and TPH-D on a one week TAT

Replace 4" expansion cap on MW2 (this may have been done by Christie)

EQUIPMENT NEEDED:

Health & Safety Site Plan
Two 55 gallon drums, Nine 40 ml VOAs, Six 1 liter amber bottles
Bailers to purge water from 4" wells and three disposable bailers NO PUMPS
12", 9/16", and 1 1/2" sockets 3210 Key

GENERAL INFORMATION

Direct all questions to Jaff Auchterlonie or Bruce Beale, (916) 372-4700

Site Contacts: N.W Transport Monty or Dennis (510) 451-6967
Off-Site Contact: Sealand Todd Burson (510) 272-5214

RECEIVED

Reviewed Date: 4-3-95

APR 12 1995

Reviewed By: [Signature]

PROJECT MANAGER, Jaff Auchterlonie

AUTHORIZATION

Work Acceptable: Yes/No
Rework Required: Yes/No

SITE VISITATION REPORT

Project: Dongary-Port of Oakland Date: 3/29/95 Project No.: 02070 0061-030504
 Name(s): Hector M. B. M. C. Did you call in? Yes No
 Arrival Time: 8:00 Departure Time: 10:30 Who did you call? _____
 Weather Notations: SUN CLOUDY RAIN SNOW Temperature: 70 °F

PURPOSE OF VISIT

<input checked="" type="checkbox"/> GAUGE WELLS	<input type="checkbox"/> SURVEY	<input type="checkbox"/> INSTALL EQUIPMENT
<input type="checkbox"/> BAIL SEPARATE-PHASE	<input type="checkbox"/> MONITOR VAPORS	<input type="checkbox"/> INSTALL SYSTEM
<input type="checkbox"/> SAMPLE A/S INF EFF	<input type="checkbox"/> SAMPLE CARBON	_____
<input type="checkbox"/> SYSTEM CHECK	<input type="checkbox"/> BATCH FEED	_____
<input checked="" type="checkbox"/> SAMPLE WELLS	<input type="checkbox"/> EQUIPMENT REPAIR	_____

DRUM INVENTORY

1 Full Drum
 WATER _____ CARBON _____ TOTAL OPEN TOP _____
 SOIL _____ EMPTY _____ TOTAL BUNG TOP _____

SAMPLE INFORMATION

SAMPLED: YES NO PARAMETERS: BTEX TPH GAS / TPH-DIESEL
 WATER _____ SOIL _____ STATION NO: _____
 AIR _____ OTHER _____ LABORATORY: GTEL
 LAB RELEASE NO: 38560 COC JT

REMEDIATION SYSTEM

FLOW TOTALIZER: _____ AIR VELOCITY: _____
 FLOW RATE: _____ PID INF: _____
 % LEL: _____ PID EFF: _____

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES

MONITORED + SAMPLED THREE WELLS MW-3-2-1. I FILLED THE DRUM ON SITE TO THE TOP. SAMPLED WELLS FOR BTEX TPH GAS - TPH DIESEL. I INSTALLED A NEW CAP + LOCK ON MW 2.

Project Name: Dongary Investments

Date: 3/29/95

Site Address: 2225 7th St. Oakland

Page 1 of 3

Project Number: 020700061.030504

Project Manager: Jaff Aushterlonie

Well ID: MW-3

DTW Measurements:

Well Diameter: 4

Initial: 6.31

Calc Well Volume: 2.0 gal

Recharge: _____

Well Volume x 4 8.3 gal

DTB 9.50

Purge Method _____ Pump Depth _____ ft.
 Peristaltic _____ Hand Bailed X
 Gear Drive _____ Air Lift _____
 Submersible _____ Other _____

Instruments Used
 YSI: X _____ Other: _____
 Hydac: _____
 Omega: _____

Time	Temp <u>X</u> C F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
8:36	15.2	2.69	6.57	0	cloudy	Bailed out
8:38	15.4	2.73	6.85	2		A lot of sand
8:40	15.6	2.75	6.92	4		
8:42	15.2	2.94	6.99	6		
8:44	15.5	2.89	7.02	8	↓	↓

Project Name: Dongary Investments

Date: 3/29/95

Site Address: 2225 7th St., Oakland

Page 2 of 3

Project Number: 020700061.030504

Project Manager: Jaff Aushterlonie

Well ID: MW-2

DTW Measurements:

Well Diameter: 4

Initial: 5.51

Calc Well Volume: 6.1 gal

Recharge: _____

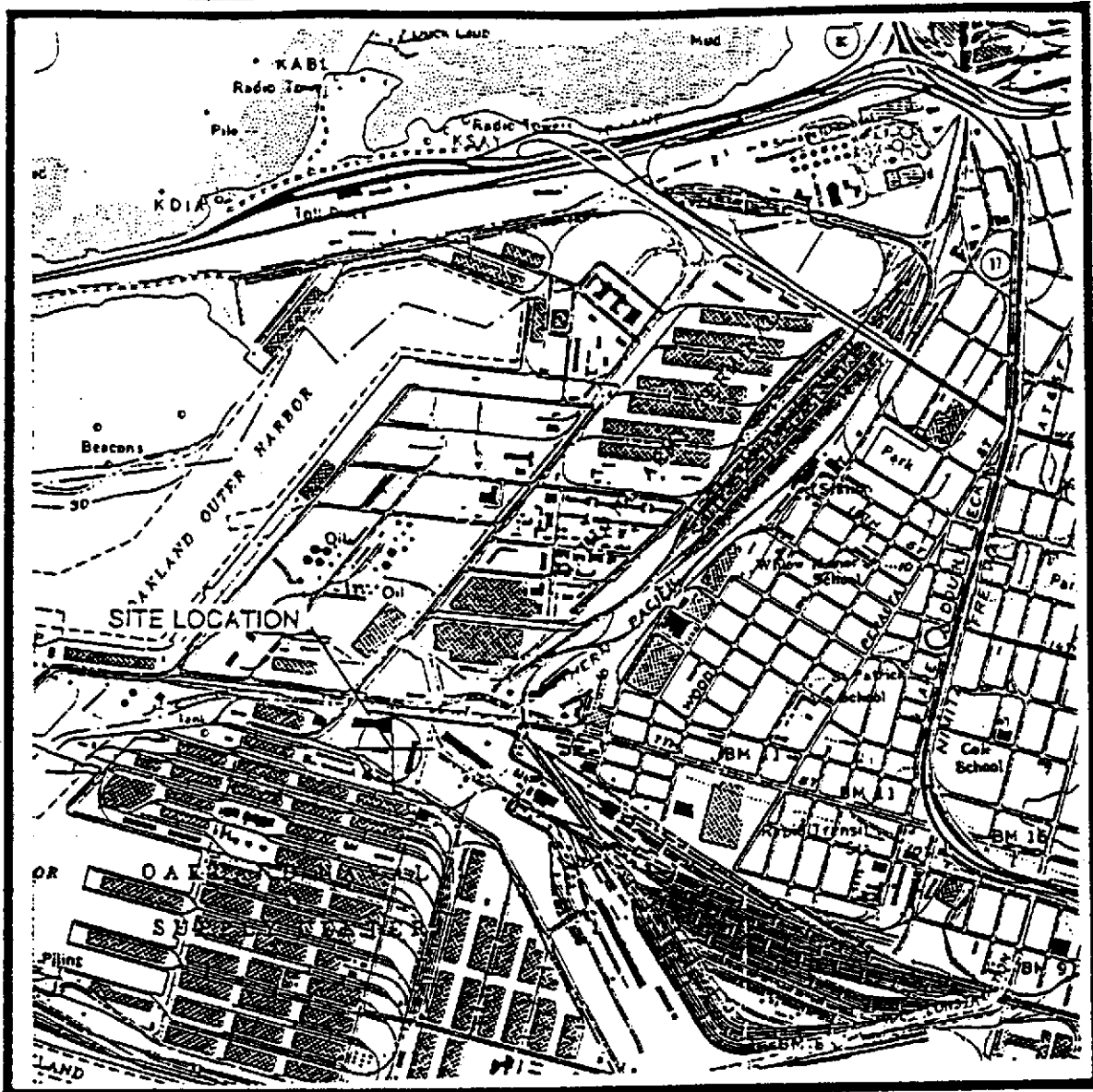
Well Volume: x4 24 gal

DTB: 15.0

Purge Method _____ Pump Depth _____ ft.
 Peristaltic _____ Hand Bailed X
 Gear Drive _____ Air Lift _____
 Submersible _____ Other _____

Instruments Used
 YSI: X Other: _____
 Hydac: _____
 Omega: _____

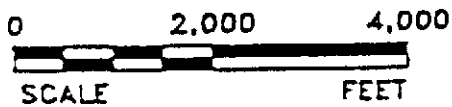
Time	Temp		Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
	<u>X</u> C	F					
9:01	15.3		1.50	7.10	0	cloudy	
9:02	15.4		1.46	6.46	5	↓	
9:06	15.7		1.66	6.63	10		
9:08	15.0		1.60	6.61	15		
9:10	15.3		1.56	6.63	20		
9:12	15.6		1.63	6.62	24		



SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE
 OAKLAND WEST
 7.5 MINUTE SERIES
 1959/PHOTOREVISED 1980



SCALE 1:24,000



GROUNDWATER
 TECHNOLOGY

SITE LOCATION MAP

CLIENT: DONGARY INVESTMENTS TRUCKING FACILITIES	FILE: DD61-SL (1:1)	PROJECT NO.: 02070-0061	PM JSA	PE/RC ELJ
	REV.	FIGURE: 1		
LOCATION: 2225 7th STREET OAKLAND, CA.	DES. BB	DET. SP	DATE: 9/20/94	

