BLUE ROCK
ENVIRONMENTAL, INC.

Mr. Mark Verhey
Humboldt County Health Department
Division of Environmental Health
100 H Street, Suite 100
Eureka, California 95501

July 19, 2006

Re: Second Quarter 2006 Groundwater Monitoring and Groundwater Extraction System Report
Fortuna Beacon Petro Mart
390 South Fortuna Boulevard, Fortuna, CA
HCDEH LOP No. 12093
Blue Rock Project No. FNC-3

Dear Mr. Verhey,

This report presents the results of the second quarter 2006 groundwater monitoring activities and remedial groundwater extraction system status at 390 South Fortuna Boulevard, Fortuna, Humboldt County, California (site) (Figure 1), and was prepared for Humboldt Petroleum, Inc. (HPI) by Blue Rock Environmental, Inc. (Blue Rock).

Background

Site Description
The site is located in a commercial and residential area of Fortuna, Humboldt County, California. The site is owned by Humboldt Petroleum, Inc.

Site History
In March 1989, four (4) fuel underground storage tanks (USTs) were removed from the site (Figure 2). Delta Environmental Consultants, Inc. (Delta) of Rancho Cordova, California observed the tank removal, and initiated a site investigation. The site is currently under the oversight of the HCDEH.

Site Investigation History
Subsurface investigation activities have been ongoing at the site since 1989. Approximately 29 soil borings (CPT-1 through CPT-8, SW-1 through SW-20, and HP-1) have been drilled at the site (Figure 2). Additionally, approximately 30 monitoring wells have been installed at the site addressing three groundwater zones below the site (Table 1).

Summary of Contaminant Type
The predominant contaminant types that have been detected in the subsurface include total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and the fuel oxygenate MTBE.

Summary of Hydrogeology

Historical investigation results indicate that three water bearing zones are present below the site to a depth of 40 ft bgs - identified here as the A-Zone (~4-10 ft bgs), the B-Zone (~10-20 ft bgs), and the C-Zone (~30-40 ft bgs).

The A-Zone appears to consist mostly of fine-grained soil types (i.e. CL/ML); however, laterally discontinuous sand beds and gravel stringers have been observed at a depth of approximately 5 ft bgs in the areas of MW-6, MW-7, DW-1, DW-2, and CPT-7. Wells MW-17A, MW-18A, and MW-19A are screened in the A-Zone (4-10 ft bgs). During drilling of these wells, groundwater generally first encountered at a depth of approximately 10 ft bgs; however, groundwater levels stabilized in A-Zone wells at a depth of ~5 ft bgs, except for MW-19A which was nearly dry at the time of installation. Due to the lack of a minimum of three A-Zone wells containing water, groundwater flow direction in this zone has not been evaluated.

The B-Zone consists of sands (SM/SW) and gravels (GW) at a depth of approximately 15-22 ft bgs. Wells MW-17B, MW-18B, and MW-19B (screened from 15-20 ft bgs) and MW-14, MW-15, and MW-16 (screened from 10-20 ft bgs) are screened in the B-Zone. During drilling of MW-17B/18B/19B, groundwater was generally first encountered at a depth of approximately 10 ft bgs, and groundwater levels stabilized in B-Zone wells at depths of ~8-10 ft bgs. Data from the aforementioned wells shows westerly to southwesterly groundwater flow in the B-Zone.

The B- and C-Zone appear to be separated across the site by a lower permeability fine-grained unit (CL/ML) at the depth from ~22-26 feet bgs, except for the area of DW-3 where sand (SW) and gravel (GW) is continuous from approximately 12-40 ft bgs.

The C-Zone consists of sand (SW) and gravel (GW) from approximately 26-40 ft bgs. Previously installed wells DW-1, DW-2, and DW-3 are screened in the C-Zone (screens 30-40 ft bgs. B-Zone and C-Zone potentiometric levels and patterns are similar, which suggests that the B- and C-Zones are hydraulically connected. This interpretation is also supported by the log for DW-3, which shows continuous sands and gravels from a depth of ~12-40 ft bgs and the absence of the fine-grained unit at ~22-26 ft bgs.

Limited historical monitoring data show that A-Zone groundwater elevations are approximately 5 feet higher than those in their B-Zone well counterpart. This shows a potential downward movement of water from the A- to –B-Zone.

The groundwater elevation in MW-17B was approximately 1 foot lower than in DW-1. These wells are only separated by approximately 20 feet and groundwater levels in DW-1 generally fall into the potentiometric pattern observed for the B-zone. Therefore, there does not appear to be a potential for significant vertical gradients between the B- and C-Zone. As discussed above, the B- and C-Zone sands/gravels appear to be connected in the area of DW-3.

Summary of Remedial Efforts

An active skimming system to remove light non aqueous-phase liquid petroleum (LNAPL) was installed at the site and operated from 1991 to 1998. LNAPL was skimmed from wells MW-1, MW-4, and MW-5. It was estimated that this active LNAPL skimming system removed approximately 1,369 gallons. Hand-bailing and/or passive LNAPL skimming has been ongoing since 1998.

In August 2001, Clearwater performed remedial activities detailed in the *Final Remedial Action Plan Addendum*, dated January 19, 2001. Approximately 1,241 tons of hydrocarbon contaminated soil were removed from the site and treated at Bio Industries in Red Bluff, California. Approximately 9,500 gallons of hydrocarbon contaminated groundwater were removed from the excavation to facilitate digging operations and the installation of groundwater extraction trenches (EX-1 and EX-2). Pilot testing results determined pumping rate, discharge time and recharge time for each groundwater extraction trench. Results of these activities are presented in Clearwater's *Soil Excavation, Extraction Trench Installation and Groundwater Extraction Pilot Testing Report*, dated September 21, 2001.

In August 2002, the groundwater extraction and treatment system became operational. The system continues to operate by extracting groundwater from EX-1 and EX-2. As of March 2006, it was estimated that approximately 2,800,000 gallons of groundwater has been extracted and 335 lbs of gasoline recovered.

Field and Laboratory Activities

Groundwater Monitoring Activities

On June 13, 2006, all wells except for MW-8 and MW-10 were gauged and MW-1, MW-4, MW-5, MW-6, MW-12, MW-14, MW-17A/B, MW-18A/B, MW-19A/B, DW-1, DW-3, and RW-5 were sampled. Monitoring well RW-4B has been covered by a permanent structure constructed on the neighboring property.

Prior to sampling, an electronic water level indicator was used to gauge depth to water in each well, accurate to within ±0.01-foot. All wells were checked for the presence of light non-aqueous phase liquid (LNAPL) petroleum prior to purging. No measurable thicknesses of LNAPL were observed on groundwater in any of the wells. A hydrocarbon sheen was observed in MW-1, MW-4, MW-6, MW-17A, MW-17B, MW-18B, and MW-19B.

In preparation for sampling, the wells were purged of groundwater until sampling parameters (temperature, pH, and conductivity) stabilized. Dissolved oxygen measurements were collected from each well.

Following recovery of water levels to approximately 80% of their static levels, groundwater samples were collected from the wells using disposable polyethylene bailers and transferred to laboratory supplied containers. Sample containers were labeled, documented on a chain-of-custody form, and placed on ice in a cooler for transport to the project laboratory.

Purging instruments were cleaned between use by an Alconox® wash followed by double rinse in clean tap water to prevent cross-contamination. Purge and rinseate water was stored on-site in labeled 55-gallon drums pending future removal and disposal.

Groundwater monitoring and well purging information is presented on Gauge Data/Purge Calculations and Purge Data sheets (attached).

Groundwater Sample Analyses

Groundwater samples were analyzed by Kiff Analytical LLC, a DHS-certified laboratory located in Davis, California, for the following:

- TPHg, BTEX, and MTBE by EPA Method 8260B

Groundwater Monitoring Results

Groundwater Flow Directions and Gradients - June 13, 2006

Groundwater elevations in the A-Zone wells ranged from 52.06 (MW-17A) to 52.40 ft MSL (MW-18A). MW-19A was dry and a minimum of 4 feet lower than the other two A-Zone wells. Because only two A-Zone well data remained, a three-point groundwater flow/gradient calculation could not be made (Figure 3a).

Groundwater elevations in the B-Zone wells identified in Table 1 ranged from 45.84 (MW-17B) to 47.05 (MW-15) ft MSL, with flow toward the west-southwest at a gradient of 0.011 ft/ft (Figure 3b).

Groundwater elevations in the three C-Zone wells ranged from 46.08 (DW-3) to 46.13 (DW-2) ft MSL, with flow toward the southwest at a gradient of 0.0003 ft/ft (Figure 3c).

The potential for vertical gradients was evaluated using data from A- and B-Zone well pairs. Groundwater elevations in MW-17A and MW-18A were approximately 4 to 5 feet higher than those in MW-17B and MW-18B. This shows a potential downward movement of water from the A- to –B-Zone.

The groundwater elevation in MW-17B was approximately a tenth of a foot lower than in DW-1. However; these wells are separated by approximately 20 feet and groundwater levels in DW-1 generally fall into the potentiometric pattern observed for the B-zone. Therefore, there does not appear to be a potential for significant vertical gradients between the B- and C-Zone. As discussed above, the B- and C-Zone sands/gravels appear to be connected in the area of DW-3.

Groundwater Sample Results and Summary of Groundwater Impacts

A-Zone groundwater sample data are summarized below and on Figure 4a:

TPHg:	310 µg/L (MW-18A) to 12,000 µg/L (MW-17A)
Benzene:	3.1 µg/L (MW-18A) to 3.3 µg/L (MW-17A)
MTBE:	1.1 µg/L (MW-18A) to <2 µg/L (MW-17A)

B-Zone groundwater sample data are summarized below and on Figure 4b:

TPHg:	<50 µg/L (MW-15) to 220,000 µg/L (MW-17B, MW-18B)
Benzene:	<0.50 µg/L (MW-15) to 17,000 µg/L (MW-17B)
MTBE:	<0.50 µg/L (MW-14, MW-15) to 530 µg/L (MW-17B)

C-Zone groundwater sample data are summarized below and on Figure 4c:

TPHg:	<50 µg/L (DW-1 & DW-2)
Benzene:	<0.50 µg/L (DW-1 & DW-2)
MTBE:	0.71 µg/L (DW-3) to 1.1 µg/L (DW-1)

Groundwater sample analytical results are shown graphically on Figures 4a, 4b, and 4c, and cumulative groundwater sample analytical results are summarized in Table 2. Copies of the laboratory report and chain-of-custody form are attached.

LNAPL Removal Status

Location:	MW-6
Volume LNAPL removed during quarter:	0.0 gals (~0 lbs)
Volume LNAPL removed since January 1998:	124 gals (~752 lbs) (assume 1 gal of fuel = 6.08 lbs)
Volume LNAPL prior to January 1998:	1,369 gals (~8,323 lbs)
Total LNAPL recovered:	1,493 gals (~9,077 lbs)

Monitoring well MW-6 did not contain LNAPL this quarter.

Groundwater Extraction System Monitoring

Operational Data - Groundwater Extraction/Treatment System

Extracted groundwater is treated by passing it through three liquid-phase carbon vessels arranged in series (Figure 5). Influent samples are collected at sample port (Influent), located before the 300 gallon transfer tank (Table 3). Effluent samples are collected at sample port (Effluent), located downstream of the third carbon vessel (Table 3). Treated groundwater is then discharged to the sanitary sewer located on the southwest corner of the site. The groundwater treatment system is operated in accordance with the Fortuna Public Works Department.

The following is a summary of operational data pertaining to the groundwater extraction/treatment system:

- Total effluent discharge: 3,865,130 gals water treated (since startup in August 2002)
- Effluent discharge this quarter: 1,068,480 gals treated water
- TPHg recovery this quarter: 40 lbs (Table 4)
- Total TPHg recovery: 374.74 lbs to date (Table 4)

System Status - Groundwater Extraction/Treatment System

Groundwater has been extracted from extraction basin EX-1 since initial startup on August 5, 2002. Continuous groundwater extraction from extraction trench EX-2 was started on April 7, 2003, when the previous consultant performed remedial groundwater pumping from MW-6, in an attempt to remove remaining LNAPL from MW-6 and proximal area. This activity was able to remove the remaining majority of LNAPL from MW-6.

Response to HCDEH letter dated June 7, 2006

This section of the report addresses questions/comments provided by the HCDEH in their letter dated June 7, 2006. For the ease of review, individual comments/questions are cited (in italics) and responded to in sequence. Blue Rock appreciates the comments and we hope the following information addresses your questions and concerns.

HCDEH letter dated June 7, 2006 - Comment 1

We understand a groundwater gradient map for the A-Zone was not generated because MW-19A was dry. If this well was dry, you may add water to develop the well.

MW-19A was dry for a second quarter in a row while other A-Zone wells contained water columns of ~4-5 feet. Blue Rock will use distilled water and attempt to develop the well in the near future. Data will be recorded regarding the volume of distilled water introduced to the well and subsequently bailed out.

HCDEH letter dated June 7, 2006 - Comment 2

In reviewing the soil data (Table 2), we observed the maximum MTBE concentration occurred in the deepest soil sample analyzed for MTBE, located 20 feet bgs in MW-17B. The vertical extent of MTBE does not appear to be delineated.

Groundwater data from DW-1, located proximal to MW-17B, appear to serve as a proxy for delineation of MTBE in below 20 feet bgs. DW-1 is screened from 30-40 ft bgs, which is 10 feet deeper than the sample of concern at MW-17B-20 ft bgs. Although soil samples from DW-1 were analyzed to depths of 39 ft bgs, MTBE was not included. However, groundwater samples from DW-1 are routinely analyzed for MTBE. Over the past four sampling events, MTBE in DW-1 groundwater has ranged from 0.80 to 1.2 µg/L. These data show that MTBE in soil across the screened interval from 30-40 feet bgs is not sourcing MTBE in groundwater above the Maximum Contaminant Level (i.e. 5 µg/L).

HCDEH letter dated June 7, 2006 - Comment 3

We concur with destroying all wells screened from 5-20 feet bgs, and replacing a select number of wells. Please provide a Workplan for proposed new monitoring wells. We recommend determining the vertical distribution of MTBE in soil prior to installing any new deep monitoring wells.

Wells DW-1, DW-2, and DW-3 provide MTBE groundwater data that serves as a proxy for soil between 30-40 ft bgs (the screened interval of those wells). MTBE concentrations in these wells over the past four sampling events have ranged from 0.71 μg/L to 2.3 μg/L. This indicates that residual MTBE levels in soil at that depth are not sourcing MTBE in groundwater above the Maximum Contaminant Level (i.e. 5 μg/L). Therefore, vertical delineation of MTBE in these areas appears to be sufficient.

Blue Rock will further review cumulative site data and prepare a Workplan to address HCDEH concerns.

HCDEH letter dated June 7, 2006 - Comment 4

The purpose of the next round of field work should be to complete delineation of contaminants in soil and water. We observed there may be areas requiring lateral delineation. Specifically, the influent concentrations observed in EX-2 during the Pilot Study suggest there are high levels contamination in that area. We recommend borings to complete the delineation of contaminants.

As noted above, Blue Rock will further review cumulative site data and prepare a Workplan to address HCDEH concerns.

Project Status and Recommendations

- Blue Rock recommends continuing groundwater extraction operations and quarterly groundwater monitoring as directed by the HCDEH.

- The site is currently being monitored on a quarterly basis per the HCDEH directives. The next quarterly sampling event is scheduled for September 2006. Groundwater samples will be analyzed for TPHg, BTEX, and MTBE. The current groundwater sampling schedule is MW-1, MW-4, MW-5, MW-6, MW-12, MW-14, MW-17A/B, MW-18A/B, MW-19A/B, DW-1, DW-3, and RW-5 (quarterly) and MW-2, MW-3, MW-7, MW-11, MW-13, MW-15, and DW-2 (annually during first quarter). Monitoring wells MW-8 and MW-10 have been removed from the quarterly sampling schedule. The groundwater extraction system is operational and influent and effluent samples are collected monthly and submitted in subsequent quarterly reports.

- In the *First Quarter 2006 Groundwater Monitoring / Groundwater Extraction System, Additional Assessment Activities, & High Vacuum Dual-Phase Extraction Pilot Test Report*, Blue Rock recommended preparation of a workplan for destruction of improperly screened wells and replacement with a select number of appropriately screened wells. We also recommended collecting more groundwater monitoring data to review and better understand hydrogeologic characteristics of the A- and B-Zones before developing a Workplan; however, only two groundwater monitoring events have been completed on the new A- and B-Zone wells. In their letter dated June 7, 2006 the HCDEH requested submittal of the workplan by **July 30, 2006**. Blue Rock desires to perform at least one additional monitoring event and attempt to develop MW-19A before developing a workplan. The next quarterly groundwater monitoring event is scheduled for September 2006. Therefore, Blue Rock requests a due date extension for the workplan to at least **October 31, 2006**.

Certification

This report was prepared under the supervision of a California Professional Geologist at Blue Rock. All statements, conclusions, and recommendations are based upon published results from past consultants, field observations by Blue Rock, and analyses performed by a state-certified laboratory as they relate to the time, location, and depth of points sampled by Blue Rock. Interpretation of data, including spatial distribution and temporal trends, are based on commonly used geologic and scientific principles. It is possible that interpretations, conclusions, and recommendations presented in this report may change, as additional data become available and/or regulations change.

Information and interpretation presented herein are for the sole use of the client and regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

The service performed by Blue Rock has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

If you have any questions regarding this project, please contact us at (707) 441-1934.

Sincerely,
Blue Rock Environmental, Inc.

Prepared by:

Scott Ferriman
Project Scientist

Reviewed by:

Brian Gwinn, PG
Principal Geologist

PROFESSIONAL GEOLOGIST
BRIAN M. GWINN
No. 6505
exp. 4/30/07
STATE OF CALIFORNIA

Attachments:

- Table 1: Well Construction Details
- Table 2: Groundwater Elevations and Analytical Results
- Table 3: Groundwater Extraction System Analytical Results
- Table 4: Cumulative Hydrocarbon Recovery From Groundwater

- Figure 1: Site Location Map
- Figure 2: Site Plan
- Figure 3a: Groundwater Elevations and Gradient Map – A-Zone Wells 6/13/06
- Figure 3b: Groundwater Elevations and Gradient Map – B-Zone Wells 6/13/06
- Figure 3c: Groundwater Elevations and Gradient Map – C-Zone Wells 6/13/06
- Figure 4a: Groundwater Sample Data – A-Zone (~4-10 ft bgs) – 6/13/06
- Figure 4b: Groundwater Sample Data – B-Zone (~10-20 ft bgs) – 6/13/06
- Figure 4c: Groundwater Sample Data – C-Zone (30-40 ft bgs) – 6/13/06
- Figure 5: Groundwater Extraction System Schematic

- Blue Rock's Gauge/Purge Calculations and Well Purging Data Field Sheets
- Blue Rock's GWE System O&M Data Field Sheets
- Laboratory Analytical Reports and Chain-of-Custody Forms

Distribution:

- Mr. MJ Costello, Humboldt Petroleum, Inc. P.O. Box 131, Eureka, CA 95502
- Mr. Jim Seiler, 10 Pinecrest Drive, Fortuna, CA 95540
- Mr. Bruce Gehrkey, City of Fortuna DPW, P.O. Box 545, Fortuna, CA 95540

Table 1
WELL CONSTRUCTION DETAILS
Fortuna Beacon Petro Mart
309 South Fortuna Blvd, Fortuna, California
Blue Rock Project No. FNC-3

Well ID	Date Intstalled	Intstalled by	Casing Diameter (inches)	Total Depth (feet)	Blank Interval (feet)	Screened Interval (feet)	Slot Size (inches)	Filter Pack (feet)	Bentonite Seal (feet)	Cement (feet)	First Encountered Groundwater (feet bgs)
A-Zone Wells (Screen ~4-10 ft)											
MW-17A	12/12/06	Blue Rock	2	10	0-4	4-10	0.02	3-10	2-3	0-2	8.0
MW-18A	12/12/06	Blue Rock	2	10	0-4	4-10	0.02	3-10	2-3	0-2	12
MW-19A	12/12/06	Blue Rock	2	10	0-4	4-10	0.02	3-10	2-3	0-2	14
B-Zone Wells (Screen ~10-20 ft)											
MW-17B	12/12/06	Blue Rock	2	20	0-15	15-20	0.02	14-20	13-14	0-13	8.0
MW-18B	12/12/06	Blue Rock	2	20	0-15	15-20	0.02	14-20	13-14	0-13	12
MW-19B	12/12/06	Blue Rock	2	20	0-15	15-20	0.02	14-20	13-14	0-13	14
MW-14	4/2/96	Clearwater	2	20	0-10	10-20	0.02	9-20	7-9	0-7	15
MW-15	7/21/98	Clearwater	2	20	0-10	10-20	0.02	9-20	7-9	0-7	15
MW-16	7/21/98	Clearwater	2	20	0-10	10-20	0.02	9-20	7-9	0-7	4.5
C-Zone Wells (Screen ~30-40 ft)											
DW-1	4/3/96	Clearwater	2	40	0-30	30-40	0.02	27-40	25-27	0-27	18
DW-2	4/4/96	Clearwater	2	40.5	0-30	30-40.5	0.02	27-40.5	25-27	0-27	20
DW-3	4/4/96	Clearwater	2	40.5	0-30	30-40.5	0.02	27-40.5	25-27	0-27	15
Other Wells											
MW-1	2/27/90	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	6
MW-2	2/27/90	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	6
MW-3	2/27/90	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	12
MW-4	6/30/92	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	16.5
MW-5	6/30/92	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	13.2
MW-6	7/1/92	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	15.5
MW-7	10/22/92	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	14
MW-8	10/21/92	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	13
MW-10	10/16/92	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	17
MW-11	10/19/02	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	18
MW-12	12/3/93	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	10
MW-13	12/6/93	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	5
RW-4B	10/23/00	Clearwater	4	20	0-5	5-20	0.01	4-20	3-4	0-3	3
RW-5	10/23/00	Clearwater	4	20	0-5	5-20	0.01	4-20	3-4	0-3	8
Destroyed Wells											
MW-9*	10/21/92	Laco	4	20	0-5	5-20	0.02	4-20	3-4	0-3	18
RW-1*	10/23/00	Clearwater	4	20	0-5	5-20	0.01	4-20	3-4	0-3	10
RW-2*	10/23/00	Clearwater	4	20	0-5	5-20	0.01	4-20	3-4	0-3	5.5
RW-3*	10/23/00	Clearwater	4	20	0-5	5-20	0.01	4-20	3-4	0-3	5.5

* : Destroyed by overdrilling and grouted with neat cement or removed during remedial soil excavation

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-1	4/5/90	54.63	---	---	---	220,000	2,500	6,700	3,500	19,000	---
	4/9/90	54.63	7.00	0.01	47.64	---	---	---	---	---	---
Screen	5/12/90	54.63	10.84	0.00	43.79	---	---	---	---	---	---
5'-20'	7/26/90	54.63	---	---	---	87,000	3,600	4,400	4,400	13,000	---
	9/27/90	54.63	17.60	3.60	39.91	---	---	---	---	---	---
	10/23/90	54.63	17.39	3.80	40.28	---	---	---	---	---	---
	11/14/90	54.63	11.63	2.85	45.28	---	---	---	---	---	---
	12/14/90	54.63	12.70	2.87	44.23	---	---	---	---	---	---
	1/11/91	54.63	13.61	2.84	43.29	---	---	---	---	---	---
	2/28/91	54.63	11.30	2.45	45.29	---	---	---	---	---	---
	3/19/91	54.63	9.02	2.75	47.81	---	---	---	---	---	---
	4/16/91	54.63	9.73	3.06	47.35	---	---	---	---	---	---
	6/20/91	54.63	12.95	2.25	43.48	---	---	---	---	---	---
	7/24/91	54.63	14.05	2.11	42.27	---	---	---	---	---	---
	11/21/91	Skimmer activated				---	---	---	---	---	---
	1/22/92	54.63	13.16	0.00	41.47	---	---	---	---	---	---
	4/7/92	54.63	9.97	0.00	44.66	---	---	---	---	---	---
	5/4/92	54.63	10.50	0.14	44.24	---	---	---	---	---	---
	6/4/92	54.63	12.96	0.09	41.74	---	---	---	---	---	---
	7/10/92	54.63	14.22	0.05	40.45	---	---	---	---	---	---
	8/5/92	54.63	15.71	0.09	38.99	---	---	---	---	---	---
	10/28/92	54.63	17.03	0.00	37.60	---	---	---	---	---	---
	1/12/93	54.63	12.10	0.00	42.53	---	---	---	---	---	---
	2/4/93	54.63	11.40	0.00	43.23	---	---	---	---	---	---
	5/5/93	54.63	10.40	0.00	44.23	---	---	---	---	---	---
	8/30/93	54.63	15.03	0.08	39.66	---	---	---	---	---	---
	9/14/93	54.63	15.08	0.08	39.61	---	---	---	---	---	---
	10/12/93	54.63	15.51	0.00	39.12	---	---	---	---	---	---
	11/29/93	54.63	16.03	0.00	38.60	---	---	---	---	---	---
	12/21/93	54.63	11.97	0.00	42.66	---	---	---	---	---	---
	1/12/94	54.63	10.08	0.00	44.55	---	---	---	---	---	---
	2/22/94	54.63	7.39	0.00	47.24	---	---	---	---	---	---
	3/24/94	54.63	8.97	0.00	45.66	---	---	---	---	---	---
	4/26/94	54.63	9.43	0.00	45.20	---	---	---	---	---	---
	5/18/94	54.63	10.64	0.00	43.99	---	---	---	---	---	---
	6/20/94	54.63	12.88	0.00	41.75	---	---	---	---	---	---
	9/27/94	54.63	16.18	0.00	38.45	---	---	---	---	---	---
	10/19/94	54.63	16.27	0.00	38.36	---	---	---	---	---	---
	12/23/94	54.63	8.73	0.00	45.90	---	---	---	---	---	---
	3/25/95	54.63	6.62	0.00	48.01	---	---	---	---	---	---
	4/15/96	54.63	6.62	0.00	48.01	11,000	130	10	260	310	3,000
	2/24/97	54.63	5.71	0.00	48.92	6,600	88	<13	150	262	1,200
	5/26/97	54.63	7.41	0.00	47.22	9,600	100	<20	250	360	1,000
	9/5/97	54.63	13.36	0.00	41.27	7,100	13	<20	56	77	190
	12/11/97	54.63	8.40	0.00	46.23	5,100	80	<2.5	22	122	1,900
	4/9/98	54.63	5.49	0.00	49.14	4,000	90	3	120	100	180
	6/22/98	54.63	3.40	0.00	51.23	9,000	140	210	170	391	<250
	9/26/98	54.63	12.72	0.00	41.91	670	4	<0.5	2.6	6.6	160
	1/14/99	54.63	5.93	0.00	48.70	13,000	170	<80	220	435	550
	3/30/99	54.63	5.11	0.00	49.52	95	3.9	<0.5	1.50	1.7	12*
	6/28/99	54.63	9.37	0.00	45.23	9,700	95	24	140	273	120
	10/5/99	54.63	12.57	0.00	42.06	6,200	100	<20	92	175	120
	12/10/99	54.63	10.97	0.00	43.66	7,900	99	<30	63	100	78
	3/23/00	54.63	5.57	0.00	49.06	3,800	79	<40	63	85	33
	6/7/00	54.63	8.02	0.00	46.61	2,160	45	< 3.0	48	129	< 20 *
	9/14/00	54.63	13.13	0.00	41.50	5,140	251	< 3.0	67.5	126	32.3*
	11/29/00	54.63	11.96	0.00	42.67	7,470	44	<30	31	80	<200*
	3/21/01	54.63	11.09	0.00	43.54	4,690	42.4	1.5	50.6	133	69.1*
	6/5/01	54.63	12.42	0.00	42.21	5,700	65	1.3	38	110	110*
	9/6/01	54.63	14.98	0.00	39.65	6,100	120	390	51	210	81*
	12/11/01	54.63	11.98	0.00	42.65	7,200	230	640	130	520	230*

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-1	3/12/02	54.63	10.18	0.00	44.45	9,800	220	610	180	660	170*
(cont'd)	6/11/02	54.63	12.12	0.00	42.51	4,800	170	100	67	190	340*
Screen	9/9/02(1)	57.77	15.63	0.00	42.14	4,900	130	28	33	81	280*
5'-20'	12/20/02	57.77	14.11	0.00	43.66	4,600	95	52	46	170	230*
	3/12/03	57.77	11.51	0.00	46.26	6,100	85	110	87	320	200*
	6/6/03	57.77	11.25	0.00	46.52	4,400	120	20	31	81	180*
	9/17/03	57.77	15.34	0.00	42.43	4,600	170	28	40	79	210*
	12/5/03	57.77	14.22	0.00	43.55	4,000	140	27	43	97	240*
	3/15/04	57.77	9.84	0.00	47.93	4,700	100	23	46	100	140*
	6/9/04	57.77	12.20	0.00	45.57	4,400	240	24	32	59	180*
	9/13/04	57.77	14.54	0.00	43.23	3,800	240	32	33	55	200*
	12/10/04	57.77	12.97	0.00	44.80	5,400	640	47	36	66	150*
	3/24/05	57.77	13.70	0.00	44.07	11,000	2,600	60	42	70	110*
	6/1/05	57.77	13.71	0.00	44.06	13,000	4,600	140	64	92	160*
	9/7/05	57.77	14.22	0.00	43.55	5,600	1,000	110	38	56	180*
	12/8/05	57.77	13.89	0.00	43.88	11,000	2,900	400	77	94	180*
	3/8/06	57.77	11.19	0.00	46.58	4,300	580	110	43	83	100*
	6/13/06	57.77	12.21	sheen	45.56	8,000	2,100	290	69	100	220*
MW-2	4/5/90	55.63	---	---	---	860,000	4,200	18,000	7,100	47,000	---
	4/9/90	55.63	7.19	0.55	48.88	---	---	---	---	---	---
Screen	5/12/90	55.63	9.22	0.15	46.53	---	---	---	---	---	---
5'-20'	7/26/90	55.63	---	---	---	81,000	<500	2,600	1,400	13,000	---
	9/27/90	55.63	17.80	2.85	40.11	---	---	---	---	---	---
	10/23/90	55.63	18.64	3.90	40.11	---	---	---	---	---	---
	11/14/90	55.63	13.35	3.92	45.42	---	---	---	---	---	---
	12/14/90	55.63	10.15	2.79	47.71	---	---	---	---	---	---
	1/11/91	55.63	11.01	2.79	46.85	---	---	---	---	---	---
	2/28/91	55.63	7.15	0.75	49.08	---	---	---	---	---	---
	3/19/91	55.63	5.62	0.37	50.31	---	---	---	---	---	---
	4/16/91	55.63	6.34	0.49	49.68	---	---	---	---	---	---
	6/20/91	55.63	7.54	0.61	48.58	---	---	---	---	---	---
	7/24/91	55.63	8.00	0.99	48.42	---	---	---	---	---	---
	11/21/91	Skimmer activated				---	---	---	---	---	---
	1/22/92	55.63	6.61	0.05	49.06	---	---	---	---	---	---
	4/7/92	55.63	6.27	0.00	49.36	---	---	---	---	---	---
	5/4/92	55.63	6.50	0.23	49.31	---	---	---	---	---	---
	6/4/92	55.63	7.16	0.12	48.57	---	---	---	---	---	---
	7/10/92	55.63	11.50	4.08	47.39	---	---	---	---	---	---
	8/5/92	55.63	9.33	0.13	46.40	---	---	---	---	---	---
	10/28/92	55.63	7.75	0.28	48.10	---	---	---	---	---	---
	1/12/93	55.63	5.40	0.00	50.23	---	---	---	---	---	---
	2/4/93	55.63	5.78	0.00	49.85	---	---	---	---	---	---
	5/5/93	55.63	5.80	0.00	49.83	---	---	---	---	---	---
	8/30/93	55.63	13.61	0.03	42.04	---	---	---	---	---	---
	9/14/93	55.63	13.59	0.03	42.06	---	---	---	---	---	---
	10/12/93	55.63	15.84	0.00	39.79	---	---	---	---	---	---
	11/29/93	55.63	7.34	0.02	48.31	---	---	---	---	---	---
	12/21/93	55.63	5.99	0.00	49.64	---	---	---	---	---	---
	1/12/94	55.63	5.83	0.00	49.80	---	---	---	---	---	---
	2/22/94	55.63	4.84	0.00	50.79	---	---	---	---	---	---
	3/24/94	55.63	5.66	0.00	49.97	---	---	---	---	---	---
	4/26/94	55.63	5.62	0.00	50.01	---	---	---	---	---	---
	10/19/94	55.63	12.50	0.01	43.14	---	---	---	---	---	---
	11/23/94	55.63	6.18	0.00	49.45	---	---	---	---	---	---
	12/23/94	55.63	5.89	0.00	49.74	---	---	---	---	---	---
	1/25/95	55.63	5.23	0.00	50.40	---	---	---	---	---	---
	2/23/95	55.63	6.09	0.00	49.54	---	---	---	---	---	---
	3/25/95	55.63	5.01	0.00	50.62	---	---	---	---	---	---
	4/15/96	55.63	6.00	0.00	49.63	<50	<0.5	<0.5	<0.5	<2.0	<5.0
	2/24/97	55.63	5.48	0.00	50.15	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/26/97	55.63	6.78	0.00	48.85	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-2	9/5/97	55.63	7.61	0.00	48.02	<50	<0.5	<0.5	<0.5	<0.5	31
(cont'd)	12/11/97	55.63	5.37	0.00	50.26	<50	<0.5	<0.5	<0.5	<0.5	<5.0
Screen	4/9/98	55.63	5.36	0.00	50.27	210	18	44	6	26	<5.0
5'-20'	6/22/98	55.63	7.46	0.00	48.17	540	8	52	18	87	<5.0
	9/26/98	55.63	8.88	0.00	46.75	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	1/14/99	55.63	6.17	0.00	49.46	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/30/99	55.63	5.05	0.00	50.58	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/28/99	55.63	6.82	0.00	48.81	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	10/5/99	55.63	6.34	0.00	49.29	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	12/10/99	55.63	5.13	0.00	50.50	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	3/23/00	55.63	5.69	0.00	49.94	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	6/7/00	55.63	5.86	0.00	49.77	<50	<0.3	<0.3	<0.3	<0.6	<2.0 *
	9/14/00	55.63	5.80	0.00	49.83	53	1.2	4.5	1.0	5.5	<2.0 *
	11/29/00	55.63	5.72	0.00	49.91	<50	<0.3	<0.3	<0.3	<0.6	<2.0 *
	3/21/01	55.63	5.98	0.00	49.65	<50	<0.3	<0.3	<0.3	<0.6	<2.0 *
	6/5/01	55.63	6.28	0.00	49.35	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	9/6/01	55.63	7.07	0.00	48.56	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	12/11/01	55.63	5.28	0.00	50.35	---	---	---	---	---	---
	3/12/02	55.63	5.61	0.00	50.02	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/11/02	55.63	6.25	0.00	49.38	---	---	---	---	---	---
	9/9/02(1)	58.79	6.67	0.00	52.12	---	---	---	---	---	---
	12/20/02	58.79	4.71	0.00	54.08	---	---	---	---	---	---
	3/12/03	58.79	6.01	0.00	52.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/6/03	58.79	6.05	0.00	52.74	---	---	---	---	---	---
	9/17/03	58.79	7.57	0.00	51.22	---	---	---	---	---	---
	12/5/03	58.79	6.68	0.00	52.11	---	---	---	---	---	---
	3/15/04	58.79	5.83	0.00	52.96	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/9/04	58.79	6.57	0.00	52.22	---	---	---	---	---	---
	9/13/04	58.79	6.82	0.00	51.97	---	---	---	---	---	---
	12/10/04	58.79	5.28	0.00	53.51	---	---	---	---	---	---
	3/24/05	58.79	5.34	0.00	53.45	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/1/05	58.79	6.05	0.00	52.74	---	---	---	---	---	---
	9/7/05	58.79	6.33	0.00	52.46	---	---	---	---	---	---
	12/8/05	58.79	5.45	0.00	53.34	---	---	---	---	---	---
	3/8/06	58.79	5.01	0.00	53.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/13/06	58.79	6.19	0.00	52.60	---	---	---	---	---	---
MW-3	4/5/90	55.49	---	---	---	<50	<1.0	<1.0	<1.0	4.3	---
	4/9/90	55.49	11.93	---	43.56	---	---	---	---	---	---
Screen	5/12/90	55.49	12.82	---	42.67	---	---	---	---	---	---
5'-20'	7/26/90	55.49	---	---	---	<50	<1.0	<1.0	<1.0	0.94	---
	9/27/90	55.49	14.91	---	40.58	---	---	---	---	---	---
	10/23/90	55.49	14.70	---	40.79	---	---	---	---	---	---
	11/14/90	55.49	14.38	---	41.11	<50	<0.5	<0.5	<0.5	<0.5	---
	12/14/90	55.49	13.95	---	41.54	---	---	---	---	---	---
	1/11/91	55.49	14.85	---	40.64	---	---	---	---	---	---
	2/28/91	55.49	13.66	---	41.83	<50	<0.5	<0.5	<0.5	<0.5	---
	3/19/91	55.49	11.92	---	43.57	---	---	---	---	---	---
	4/16/91	55.49	11.04	---	44.45	---	---	---	---	---	---
	5/24/91	55.49	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	6/20/91	55.49	11.55	---	43.94	---	---	---	---	---	---
	7/24/91	55.49	11.74	---	43.75	---	---	---	---	---	---
	1/22/92	55.49	13.28	---	42.21	---	---	---	---	---	---
	4/7/92	55.49	11.53	---	43.96	---	---	---	---	---	---
	5/4/92	55.49	11.17	---	44.32	---	---	---	---	---	---
	6/4/92	55.49	12.68	---	42.81	---	---	---	---	---	---
	7/10/92	55.49	13.62	---	41.87	---	---	---	---	---	---
	8/5/92	55.49	14.14	---	41.35	---	---	---	---	---	---
	10/28/92	55.49	16.56	---	38.93	---	---	---	---	---	---
	11/2/92	55.49	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	1/12/93	55.49	13.09	---	42.40	---	---	---	---	---	---
	2/4/93	55.49	12.19	---	43.30	---	---	---	---	---	---

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Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-3	3/2/93	55.49	11.06	---	44.43	<50	<0.5	1.4	<0.5	0.60	---
(cont'd)	5/5/93	55.49	10.59	---	44.90	---	---	---	---	---	---
Screen	8/30/93	55.49	14.49	---	41.00	<50	<0.5	<0.5	<0.5	<0.5	---
5'-20'	12/16/93	55.49	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	12/21/93	55.49	14.81	---	40.68	---	---	---	---	---	---
	3/24/94	55.49	12.53	---	42.96	---	---	---	---	---	---
	4/26/94	55.49	12.71	---	42.78	---	---	---	---	---	---
	6/20/94	55.49	13.78	---	41.71	<50	<0.5	<0.5	<0.5	<0.5	---
	9/27/94	55.49	16.68	---	38.81	---	---	---	---	---	---
	10/19/94	55.49	16.88	---	38.61	---	---	---	---	---	---
	11/23/94	55.49	15.65	---	39.84	---	---	---	---	---	---
	12/23/94	55.49	14.09	---	41.40	---	---	---	---	---	---
	1/25/95	55.49	11.66	---	43.83	---	---	---	---	---	---
	2/23/95	55.49	11.61	---	43.88	---	---	---	---	---	---
	3/25/95	55.49	9.84	---	45.65	---	---	---	---	---	---
	4/15/96	55.49	10.40	---	45.09	<1,000	<10	<10	<10	<40	12,000
	2/24/97	55.49	9.85	---	45.64	<50	<0.5	<0.5	<0.5	<0.5	510
	5/25/97	55.49	11.44	---	44.05	110	<0.5	<0.5	<0.5	<0.5	530
	9/5/97	55.49	13.32	---	42.17	360	<0.5	<0.5	<0.5	<0.5	2,000
	12/11/97	55.49	12.26	---	43.23	---	---	---	---	---	---
	4/8/98	55.49	7.80	---	47.69	60	7.1	14	1.2	5	240
	6/22/98	55.49	NM	---	---	---	---	---	---	---	---
	9/26/98	55.49	NM	---	---	---	---	---	---	---	---
	1/14/99	55.49	11.05	---	44.44	---	---	---	---	---	---
	3/30/99	55.49	7.46	---	48.03	<50	<0.5	<0.5	<0.5	<0.5	9.8*
	6/28/99	55.49	--	---	---	---	---	---	---	---	---
	10/5/99	55.49	11.65	---	43.84	---	---	---	---	---	---
	12/10/99	55.49	10.99	---	44.50	---	---	---	---	---	---
	3/23/00	55.49	8.48	---	47.01	<50	<0.5	<0.5	<0.5	<1.0	1.9*
	6/7/00	55.49	9.72	---	45.77	---	---	---	---	---	---
	9/14/00	55.49	10.86	---	44.63	53	0.7	2.9	0.7	3.2	16.4*
	11/29/00	55.49	10.68	---	44.81	<50	<0.3	<0.3	<0.3	<0.6	52.2*
	3/21/01	55.49	9.49	---	46.00	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	6/5/01	55.49	10.29	---	45.20	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	9/6/01	55.49	12.38	---	43.11	<50	<0.5	<0.5	<0.5	<0.5	1.2*
	12/11/01	55.49	10.15	---	45.34	---	---	---	---	---	---
	3/12/02	55.49	5.64	---	49.85	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/11/02	55.49	10.28	---	45.21	---	---	---	---	---	---
	9/9/02(1)	58.62	11.79	---	46.83	---	---	---	---	---	---
	12/20/02	58.62	10.62	---	48.00	---	---	---	---	---	---
	3/12/03	58.62	9.28	---	49.34	<50	6.1	<0.5	<0.5	2.8	70*
	6/6/03	58.62	9.28	---	49.34	---	---	---	---	---	---
	9/17/03	58.62	11.82	---	46.80	---	---	---	---	---	---
	12/5/03	58.62	11.79	---	46.83	---	---	---	---	---	---
	3/15/04	58.62	8.59	---	50.03	<50	<0.5	<0.5	<0.5	<0.5	12*
	6/9/04	58.62	10.28	---	48.34	---	---	---	---	---	---
	9/13/04	58.62	11.89	---	46.73	---	---	---	---	---	---
	12/10/04	58.62	10.39	---	48.23	---	---	---	---	---	---
	3/24/05	58.62	9.00	---	49.62	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/1/05	58.62	9.23	---	49.39	---	---	---	---	---	---
	9/7/05	58.62	11.04	---	47.58	---	---	---	---	---	---
	12/8/05	58.62	10.25	---	48.37	---	---	---	---	---	---
	3/8/06	58.62	7.31	---	51.31	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/13/06	58.62	9.20	---	49.42	---	---	---	---	---	---

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-4	11/21/91	Skimmer activated				---	---	---	---	---	---
	7/13/92	55.03	---	---	---	71,000	320	4,300	1,200	7,100	---
Screen	10/28/92	55.03	18.32	1.89	38.22	---	---	---	---	---	---
5'-20'	11/9/92	55.03	---	(16.25)	---	---	---	---	---	---	---
	1/12/93	55.03	16.69	3.35	41.02	---	---	---	---	---	---
	2/4/93	55.03	14.82	2.46	42.18	---	---	---	---	---	---
	5/5/93	55.03	13.43	2.06	43.25	---	---	---	---	---	---
	5/10/93	55.03	10.81	0.03	44.24	---	---	---	---	---	---
	5/27/93	55.03	12.36	0.09	42.74	---	---	---	---	---	---
	8/30/93	55.03	15.15	0.32	40.14	---	---	---	---	---	---
	9/14/93	55.03	15.60	0.54	39.86	---	---	---	---	---	---
	10/12/93	55.03	15.80	0.00	39.23	---	---	---	---	---	---
	11/29/93	55.03	17.66	0.00	37.37	---	---	---	---	---	---
	12/21/93	55.03	15.08	0.01	39.96	---	---	---	---	---	---
	1/12/94	55.03	14.71	0.00	40.32	---	---	---	---	---	---
	2/22/94	55.03	14.71	0.00	40.32	---	---	---	---	---	---
	3/24/94	55.03	12.91	0.00	42.12	---	---	---	---	---	---
	4/26/94	55.03	12.79	0.00	42.24	---	---	---	---	---	---
	5/18/94	55.03	12.77	0.00	42.26	---	---	---	---	---	---
	6/20/94	55.03	13.77	0.04	41.29	---	---	---	---	---	---
	10/19/94	55.03	16.66	0.12	38.47	---	---	---	---	---	---
	11/23/94	55.03	16.01	0.35	39.30	---	---	---	---	---	---
	12/23/94	55.03	14.62	0.26	40.62	---	---	---	---	---	---
	1/25/95	55.03	12.19	0.05	42.88	---	---	---	---	---	---
	2/23/95	55.03	11.81	0.09	43.29	---	---	---	---	---	---
	3/25/95	55.03	10.55	0.00	44.48	---	---	---	---	---	---
	4/15/96	55.03	11.60	0.55	43.87	---	---	---	---	---	---
	2/24/97	55.03	11.00	0.02	44.05	100,000	3,700	13,000	2,200	14,200	<5,000
	5/26/97	55.03	11.55	0.05	43.52	---	---	---	---	---	---
	9/5/97	55.03	---	0.04	---	---	---	---	---	---	---
	12/11/97	55.03	13.33	0.01	41.71	190,000	5,300	16,000	2,900	16,900	<5,000
	4/8/98	55.03	9.40	0.03	45.65	---	---	---	---	---	---
	6/22/98	55.03	11.71	0.00	43.32	140,000	6,100	15,000	3,000	15,200	1,500
	9/26/98	55.03	14.10	HvySheen	40.93	120,000	6,800	19,000	4,100	16,000	2,400
	1/14/99	55.03	11.62	0.00	43.41	91,000	5,800	20,000	3,000	20,200	*190
	3/30/99	55.03	8.75	0.00	46.28	66,000	3,400	13,000	1,900	13,000	<40
	6/28/99	55.03	12.11	0.02	42.94	---	---	---	---	---	---
	10/5/99	55.03	---	0.08	---	---	---	---	---	---	---
	12/10/99	55.03	---	0.20	---	---	---	---	---	---	---
	3/23/00	55.03	9.85	0.00	45.18	200,000	7,900	20,000	3,300	17,400	<3,000
	6/7/00	55.03	11.81	0.00	43.22	87,900	4,500	10,900	2,470	10,500	579 *
	9/14/00	55.03	13.86	0.00	41.17	173,000	8,250	16,000	6,810	23,400	910*
	11/29/00	55.03	13.36	0.00	41.67	216,000	6,610	16,200	7,370	26,800	<2,000*
	3/21/01	55.03	11.17	0.00	43.86	53,900	3,360	8,460	2,520	8,610	244*
	6/5/01	55.03	12.44	0.00	42.59	85,000	4,600	11,000	3,000	11,000	400*
	9/6/01	55.03	14.94	0.00	40.09	110,000	4,700	13,000	3,200	12,000	360*
	12/11/01	55.03	12.07	0.00	42.96	110,000	5,200	14,000	3,300	15,000	400*
	3/12/02	55.03	10.3	0.00	44.73	75,000	4,700	14,000	2,800	13,000	190*
	6/11/02	55.03	12.16	0.00	42.87	110,000	4,700	16,000	3,300	15,000	150*
	9/9/02(1)	58.18	14.99	0.00	43.19	82,000	4,700	11,000	3,300	11,000	350*
	12/20/02	58.18	13.79	0.00	44.39	94,000	5,100	14,000	3,400	14,000	240*
	3/12/03	58.18	11.42	0.00	46.76	100,000	3,700	18,000	3,100	16,000	<100*
	6/6/03	58.18	11.20	0.00	46.98	120,000	2,400	19,000	2,900	18,000	<50*
	9/17/03	58.18	15.26	0.00	42.92	96,000	2,800	14,000	3,100	16,000	<25*
	12/5/03	58.18	14.41	0.00	43.77	83,000	3,000	12,000	3,000	14,000	<50*
	3/15/04	58.18	9.96	0.00	48.22	81,000	1,500	11,000	1,900	12,000	<25*
	6/9/04	58.18	12.24	0.00	45.94	110,000	1,600	16,000	2,900	17,000	<50*
	9/13/04	58.18	14.63	0.00	43.55	92,000	2,200	12,000	3,200	17,000	<50*
	12/10/04	58.18	13.25	0.00	44.93	79,000	1,500	8,700	2,200	11,000	<20*
	3/24/05	58.18	12.22	0.00	45.96	79,000	1,700	6,900	2,200	11,000	36*
	6/1/05	58.18	12.11	0.00	46.07	77,000	1,800	6,800	2,800	10,000	46*
	9/7/05	58.18	13.92	0.00	44.26	91,000	940	9,600	2,400	13,000	<15*

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-4	12/8/05	58.18	12.97	0.00	45.21	82,000	1,000	7,800	2,300	12,000	<15*
(cont'd)	3/8/06	58.18	10.00	0.00	48.18	79,000	1,000	9,800	2,700	13,000	<15*
Screen	6/13/06	58.18	12.11	sheen	46.07	77,000	1,400	8,600	3,000	14,000	<25*
5'-20'											
MW-5	11/21/91	Skimmer activated				---	---	---	---	---	---
	7/13/92	53.41	---	---	---	44,000	270	3,700	850	5,500	---
Screen	9/2/92	53.41	17.14	2.19	38.02	---	---	---	---	---	---
5'-20'	10/28/92	53.41	17.13	1.91	37.81	---	---	---	---	---	---
	11/9/92	53.41	---	(14.98)	---	---	---	---	---	---	---
	2/4/93	53.41	13.25	1.43	41.30	---	---	---	---	---	---
	5/5/93	53.41	11.40	0.72	42.59	---	---	---	---	---	---
	5/10/93	53.41	11.82	1.17	42.53	---	---	---	---	---	---
	5/27/93	53.41	11.58	0.02	41.85	---	---	---	---	---	---
	8/30/93	53.41	13.12	0.00	40.29	---	---	---	---	---	---
	9/14/93	53.41	13.21	0.00	40.20	---	---	---	---	---	---
	10/12/93	53.41	13.82	0.11	39.68	---	---	---	---	---	---
	12/21/93	53.41	13.31	0.01	40.11	---	---	---	---	---	---
	2/22/94	53.41	10.97	0.00	42.44	---	---	---	---	---	---
	3/24/94	53.41	10.69	0.00	42.72	---	---	---	---	---	---
	4/26/94	53.41	11.34	0.10	42.15	---	---	---	---	---	---
	5/18/94	53.41	11.09	0.00	42.32	---	---	---	---	---	---
	6/20/94	53.41	11.90	0.00	41.51	---	---	---	---	---	---
	9/27/94	53.41	14.98	0.00	38.43	---	---	---	---	---	---
	10/19/94	53.41	14.77	0.03	38.66	---	---	---	---	---	---
	11/23/94	53.41	14.11	0.00	39.30	---	---	---	---	---	---
	12/23/94	53.41	12.63	0.00	40.78	---	---	---	---	---	---
	1/25/95	53.41	10.63	0.00	42.78	---	---	---	---	---	---
	2/23/95	53.41	10.12	0.00	43.29	---	---	---	---	---	---
	3/25/95	53.41	8.74	0.00	44.67	---	---	---	---	---	---
	4/15/96	53.41	9.18	0.00	44.23	1,900	3.1	0.8	9.2	64	<50
	2/24/97	53.41	8.80	0.00	44.61	2,200	< 4.0	10	< 4.0	5.1	25
	5/26/97	53.41	10.82	0.00	42.59	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/5/97	53.41	12.38	0.00	41.03	56	<0.5	<0.5	<0.5	<0.5	<5.0
	12/11/97	53.41	12.62	0.00	40.79	---	---	---	---	---	---
	4/9/98	53.41	8.68	0.00	44.73	130	16	41	4.6	22	<5.0
	6/22/98	53.41	9.31	0.00	44.10	---	---	---	---	---	---
	9/26/98	53.41	13.20	0.00	40.21	---	---	---	---	---	---
	1/14/99	53.41	11.89	0.00	41.52	---	---	---	---	---	---
	3/30/99	53.41	7.35	0.00	46.06	<50	<0.5	0.65	<0.5	<0.5	<3.0
	6/28/99	53.41	11.04	0.00	42.37	---	---	---	---	---	---
	10/5/99	53.41	13.16	0.00	40.25	---	---	---	---	---	---
	12/10/99	53.41	11.84	0.00	41.57	---	---	---	---	---	---
	3/24/00	53.41	8.21	0.00	45.20	1,200	<4.0	<40	<2.0	<4.0	7.6
	6/7/00	53.41	10.71	0.00	42.70	---	---	---	---	---	---
	9/15/00	53.41	12.85	0.00	40.56	447	<0.3	1.3	0.8	3.0	5.6*
	11/29/00	53.41	12.23	0.00	41.18	833	<3.0	<0.3	<0.3	<0.6	10.2*
	3/21/01	53.41	10.13	0.00	43.28	1,110	<0.3	<0.3	<0.3	<0.6	5*
	6/5/01	53.41	11.41	0.00	42.00	440	<0.5	<0.5	<0.5	<0.5	30*
	9/6/01	53.41	13.62	0.00	39.79	410	<0.5	<0.5	<0.5	<0.5	56*
	12/11/01	53.41	12.02	0.00	41.39	510	<0.5	<0.5	<0.5	<0.5	42*
	3/12/02	53.41	9.54	0.00	43.87	110	<0.5	<0.5	<0.5	<0.5	26*
	6/11/02	53.41	11.53	0.00	41.88	590	<0.5	<0.5	<0.5	<0.5	18*
	9/9/02(1)	56.55	13.38	0.00	43.17	390	<0.5	<0.5	<0.5	<0.5	18*
	12/20/02	56.55	12.26	0.00	44.29	520	<0.5	<0.5	<0.5	<0.5	17*
	3/12/03	56.55	9.83	0.00	46.72	190	<0.5	<0.5	<0.5	<0.5	14*
	6/6/03	56.55	9.78	0.00	46.77	310	<0.5	<0.5	<0.5	<0.5	9.2*
	9/17/03	56.55	13.88	0.00	42.67	100	<0.5	<0.5	<0.5	<0.5	7.4*
	12/5/03	56.55	13.71	0.00	42.84	190	<0.5	<0.5	<0.5	<0.5	9.1*
	3/15/04	56.55	9.02	0.00	47.53	83	<0.5	<0.5	<0.5	<0.5	6.4*
	6/9/04	56.55	11.13	0.00	45.42	73	<0.5	<0.5	<0.5	<0.5	4.9*
	9/13/04	56.55	13.37	0.00	43.18	<50	<0.5	<0.5	<0.5	<0.5	5.1*

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-5	12/10/04	56.55	12.05	0.00	44.50	62	<0.5	<0.5	<0.5	<0.5	4.0*
(cont'd)	3/24/05	56.55	9.78	0.00	46.77	<50	<0.5	<0.5	<0.5	<0.5	3.9*
Screen	6/1/05	56.55	9.67	0.00	46.88	71	<0.5	<0.5	<0.5	<0.5	2.8*
5'-20'	9/7/05	56.55	12.42	0.00	44.13	65	<0.5	<0.5	<0.5	<0.5	2.0*
	12/8/05	56.55	11.16	0.00	45.39	<50	<0.5	<0.5	<0.5	<0.5	1.9*
	3/8/06	56.55	7.78	0.00	48.77	<50	<0.5	<0.5	<0.5	<0.5	1.3*
	6/13/06	56.55	10.32	0.00	46.23	<50	<0.5	<0.5	<0.5	<0.5	1.1*
MW-6	11/21/91	Skimmer activated				---	---	---	---	---	---
	7/13/92	52.05	---	---	---	70%	0.66%	4.4%	1.2%	7.1%	---
Screen	9/2/92	52.05	14.40	0.26	37.86	---	---	---	---	---	---
5'-20'	10/28/92	52.05	14.52	0.26	37.74	---	---	---	---	---	---
	11/9/92	52.05	14.93	0.06	37.17	---	---	---	---	---	---
	1/12/93	52.05	13.65	1.88	39.90	---	---	---	---	---	---
	2/4/93	52.05	14.70	4.46	40.92	---	---	---	---	---	---
	5/5/93	52.05	14.35	6.08	42.56	---	---	---	---	---	---
	5/10/93	52.05	9.80	0.01	42.26	---	---	---	---	---	---
	5/27/93	52.05	14.48	5.71	42.14	---	---	---	---	---	---
	8/30/93	52.05	14.52	2.32	39.39	---	---	---	---	---	---
	9/14/93	52.05	14.60	2.29	39.28	---	---	---	---	---	---
	10/12/93	52.05	13.24	0.06	38.86	---	---	---	---	---	---
	11/29/93	52.05	13.72	0.09	38.40	---	---	---	---	---	---
	12/21/93	52.05	13.56	0.92	39.23	---	---	---	---	---	---
	1/12/94	52.05	13.01	0.67	39.58	---	---	---	---	---	---
	2/22/94	52.05	14.41	4.74	41.43	---	---	---	---	---	---
	3/24/94	52.05	11.19	1.02	41.68	---	---	---	---	---	---
	4/26/94	52.05	10.83	0.10	41.30	---	---	---	---	---	---
	5/18/94	52.05	13.99	4.43	41.60	---	---	---	---	---	---
	6/20/94	52.05	14.15	3.35	40.58	---	---	---	---	---	---
	10/19/94	52.05	15.40	1.91	38.18	---	---	---	---	---	---
	11/23/94	52.05	13.55	0.11	38.59	---	---	---	---	---	---
	12/23/94	52.05	13.43	1.43	39.76	---	---	---	---	---	---
	1/25/95	52.05	12.14	3.07	42.37	---	---	---	---	---	---
	2/23/95	52.05	11.22	2.35	42.71	---	---	---	---	---	---
	3/25/95	52.05	8.99	0.92	43.80	---	---	---	---	---	---
	2/24/97	52.05	8.44	0.70	44.17	220,000	16,000	24,000	3,800	25,100	<5,000
	5/26/97	52.05	---	0.38	---	---	---	---	---	---	---
	9/5/97	52.05	---	0.86	---	---	---	---	---	---	---
	12/11/97	52.05	---	0.75	---	---	---	---	---	---	---
	4/8/98	52.05	7.85	0.68	44.74	---	---	---	---	---	---
	6/22/98	52.05	---	0.14	---	---	---	---	---	---	---
	9/26/98	52.05	---	0.26	---	---	---	---	---	---	---
	1/14/99	52.05	10.75	2.20	43.06	---	---	---	---	---	---
	3/30/99	52.05	6.4	0.20	45.81	---	---	---	---	---	---
	6/28/99	52.05	7.86	0.24	44.43	---	---	---	---	---	---
	10/5/99	52.05	---	1.80	---	---	---	---	---	---	---
	12/10/99	52.05	---	0.75	---	---	---	---	---	---	---
	3/23/00	52.05	---	>2.0	---	---	---	---	---	---	---
	6/7/00	52.05	---	0.90	---	---	---	---	---	---	---
	9/18/00	52.05	---	0.41	---	---	---	---	---	---	---
	11/29/00	52.05	---	0.32	---	---	---	---	---	---	---
	3/22/01	52.05	---	0.15	---	---	---	---	---	---	---
	6/12/01	52.05	---	0.52	---	---	---	---	---	---	---
	9/7/01	52.05	---	0.13	---	---	---	---	---	---	---
	12/11/01	52.05	---	0.17	---	---	---	---	---	---	---
	3/12/02	52.05	---	0.09	---	---	---	---	---	---	---
	6/11/02	52.05	---	0.11	---	---	---	---	---	---	---
	9/9/02(1)	55.20	---	0.02	---	---	---	---	---	---	---
	12/20/02	55.20	---	0.03	---	---	---	---	---	---	---
	3/12/03	55.20	---	0.03	---	---	---	---	---	---	---
	6/6/03	55.20	8.42	0.00	46.78	63,000	490	5,300	1,300	9,300	<20*
	9/17/03	55.20	12.87	0.00	42.33	71,000	1,100	6,200	1,500	10,000	<20*

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-6	12/5/03	55.20	12.25	0.00	42.95	73,000	1,700	10,000	1,900	13,000	55*
(cont'd)	3/15/04	55.20	7.06	0.00	48.14	44,000	700	3,100	790	6,700	<20*
Screen	6/9/04	55.20	9.73	0.00	45.47	75,000	1,900	4,700	1,300	12,000	<0.5*
5'-20'	9/13/04	55.20	12.04	0.00	43.16	60,000	1,100	2,400	1,200	9,900	<20*
	12/10/04	55.20	8.46	0.00	46.74	33,000	120	960	660	4,300	<25*
	3/24/05	55.20	10.10	0.00	45.10	33,000	260	690	560	3,300	<5*
	6/1/05	55.20	10.08	0.00	45.12	27,000	65	580	460	2,600	<4*
	9/7/05	55.20	11.78	0.00	43.42	16,000	96	57	160	800	<2*
	12/8/05	55.20	10.90	0.00	44.30	10,000	13	7.6	62	340	<2*
	3/8/06	55.20	8.71	0.01	46.49	---	---	---	---	---	---
	6/13/06	55.20	9.97	sheen	45.23	10,000	160	120	76	460	<2*
MW-7	11/2/92	---	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	1/12/93	52.07	12.87	---	39.20	---	---	---	---	---	---
Screen	2/4/93	52.07	10.90	---	41.17	---	---	---	---	---	---
5'-20'	5/5/93	52.07	9.79	---	42.28	---	---	---	---	---	---
	5/10/93	52.07	9.74	---	42.33	<50	<0.5	<0.5	<0.5	<0.5	---
	8/30/93	52.07	12.81	---	39.26	---	---	---	---	---	---
	12/21/93	52.07	12.83	---	39.24	---	---	---	---	---	---
	3/24/94	52.07	10.41	---	41.66	<50	<0.5	<0.5	<0.5	<0.5	---
	4/26/94	52.07	10.76	---	41.31	---	---	---	---	---	---
	9/27/94	52.07	13.82	---	38.25	<50	<0.5	<0.5	<0.5	<0.5	---
	12/23/94	52.07	12.23	---	39.84	---	---	---	---	---	---
	3/25/95	52.07	8.42	---	43.65	---	---	---	---	---	---
	4/15/96	52.07	9.00	---	43.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/24/97	52.07	8.51	---	43.56	<50	<0.5	<0.5	<0.5	<0.5	7.4
	5/25/97	52.07	10.01	---	42.06	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/5/97	52.07	12.50	---	39.57	<50	<0.5	<0.5	<0.5	<0.5	10
	12/11/97	52.07	11.86	---	40.21	---	---	---	---	---	---
	4/8/98	52.07	7.21	---	44.86	<50	<0.5	<0.5	<0.5	<2.0	<5.0
	6/22/98	52.07	11.62	---	40.45	---	---	---	---	---	---
	9/26/98	52.07	NM	---	---	---	---	---	---	---	---
	1/14/99	52.07	12.12	---	39.95	---	---	---	---	---	---
	3/30/99	52.07	7.00	---	45.07	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	6/28/99	52.07	10.86	---	41.21	---	---	---	---	---	---
	10/5/99	52.07	12.54	---	39.53	---	---	---	---	---	---
	12/10/99	52.07	11.22	---	40.85	---	---	---	---	---	---
	3/24/00	52.07	7.93	---	44.14	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	6/7/00	52.07	9.99	---	42.08	---	---	---	---	---	---
	9/15/00	52.07	12.21	---	39.86	<50	0.5	2.0	0.7	2.9	<2.0*
	11/29/00	52.07	11.62	---	40.45	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	3/21/01	52.07	9.24	---	42.83	<50	<0.3	<0.3	<0.3	<0.6	2.3*
	6/5/01	52.07	10.40	---	41.67	<50	<0.5	<0.5	<0.5	<0.5	1.7*
	9/6/01	52.07	12.61	---	39.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	12/11/01	52.07	10.93	---	41.14	---	---	---	---	---	---
	3/12/02	52.07	8.52	---	43.55	<50	<0.5	<0.5	<0.5	<0.5	3.4*
	6/11/02	52.07	10.38	---	41.69	---	---	---	---	---	---
	9/9/02(1)	55.22	12.18	---	43.04	---	---	---	---	---	---
	12/20/02	55.22	11.09	---	44.13	---	---	---	---	---	---
	3/12/03	55.22	8.67	---	46.55	<50	<0.5	<0.5	<0.5	<0.5	1.5*
	6/6/03	55.22	8.58	---	46.64	---	---	---	---	---	---
	9/17/03	55.22	13.03	---	42.19	---	---	---	---	---	---
	12/5/03	55.22	12.42	---	42.80	---	---	---	---	---	---
	3/15/04	55.22	7.87	---	47.35	<50	<0.5	<0.5	<0.5	<0.5	1.6*
	6/9/04	55.22	9.91	---	45.31	---	---	---	---	---	---
	9/13/04	55.22	12.15	---	43.07	---	---	---	---	---	---
	12/10/04	55.22	10.91	---	44.31	---	---	---	---	---	---
	3/24/05	55.22	8.62	---	46.60	<50	<0.5	<0.5	<0.5	<0.5	0.57*

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-7	6/1/05	55.22	8.56	---	46.66	---	---	---	---	---	---
(cont'd)	9/7/05	55.22	11.24	---	43.98	---	---	---	---	---	---
Screen	12/8/05	55.22	9.98	---	45.24	---	---	---	---	---	---
5'-20'	3/8/06	55.22	6.65	---	48.57	<50	<0.5	<0.5	<0.5	<0.5	2.1*
	6/13/06	55.22	9.16	---	46.06	---	---	---	---	---	---
MW-8	10/28/92	49.46	11.80	---	37.66	---	---	---	---	---	---
	11/2/92	---	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
Screen	1/12/93	49.46	9.35	---	40.11	---	---	---	---	---	---
5'-20'	2/4/93	49.46	8.40	---	41.06	---	---	---	---	---	---
	5/5/93	49.46	7.19	---	42.27	---	---	---	---	---	---
	5/10/93	49.46	7.17	---	42.29	<50	<0.5	<0.5	<0.5	<0.5	---
	8/30/93	49.46	10.10	---	39.36	---	---	---	---	---	---
	12/21/93	49.46	10.19	---	39.27	---	---	---	---	---	---
	3/24/94	49.46	7.76	---	41.70	<50	<0.5	<0.5	<0.5	<0.5	---
	4/26/94	49.46	8.12	---	41.34	---	---	---	---	---	---
	9/27/94	49.46	11.17	---	38.29	---	---	---	---	---	---
	12/23/94	49.46	9.61	---	39.85	---	---	---	---	---	---
	3/25/95	49.46	5.67	---	43.79	---	---	---	---	---	---
	4/15/96	49.46	10.72	---	38.74	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/24/97	49.46	9.52	---	39.94	---	---	---	---	---	---
	5/26/97	49.46	11.78	---	37.68	<50	<0.5	<0.5	<0.5	<0.5	34
	9/5/97	49.46	14.30	---	35.16	<50	<0.5	1.0	<0.5	0.83	<5.0
	12/11/97	49.46	---	---	---	---	---	---	---	---	---
	4/8/98	49.46	6.72	---	42.74	140	21	48	5	25	<5.0
	6/22/98	49.46	8.61	---	40.85	---	---	---	---	---	---
	9/26/98	49.46	12.06	---	37.40	---	---	---	---	---	---
	1/14/99	49.46	9.55	---	39.91	---	---	---	---	---	---
	3/30/99	49.46	6.60	---	42.86	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	6/28/99	49.46	10.79	---	38.67	---	---	---	---	---	---
	10/5/99	49.46	12.65	---	36.81	---	---	---	---	---	---
	12/10/99	49.46	10.33	---	39.13	---	---	---	---	---	---
	3/23/00	49.46	7.41	---	42.05	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	6/7/00	49.46	9.78	---	39.68	---	---	---	---	---	---
	9/14/00	49.46	10.98	---	38.48	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	11/29/00	49.46	11.08	---	38.38	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	3/21/01	49.46	9.13	---	40.33	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	6/5/01	49.46	10.15	---	39.31	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	9/6/01	49.46	12.77	---	36.69	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	Removed from quarterly sampling schedule										
MW-9	10/28/92	51.84	14.06	---	37.78	---	---	---	---	---	---
	11/2/92	---	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
Screen	1/12/93	51.84	12.23	---	39.61	---	---	---	---	---	---
5'-20'	2/4/93	51.84	10.44	---	41.40	---	---	---	---	---	---
	3/2/93	51.84	9.80	---	42.04	<50	<0.5	1.2	<0.5	0.60	---
	5/5/93	51.84	9.20	---	42.64	---	---	---	---	---	---
	8/30/93	51.84	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	12/16/93	51.84	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	12/21/93	51.84	12.55	---	39.29	---	---	---	---	---	---
	3/24/94	51.84	9.88	---	41.96	---	---	---	---	---	---
	4/26/94	51.84	10.32	---	41.52	---	---	---	---	---	---
	9/27/94	51.84	13.48	---	38.36	<50	<0.5	<1.0	<1.0	<1.0	---
	12/23/94	51.84	12.19	---	39.65	---	---	---	---	---	---
	3/25/95	51.84	8.02	---	43.82	---	---	---	---	---	---
	4/1/96	51.84	8.65	---	43.19	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	Well closed										

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-10	10/28/92	55.18	17.15	---	38.03	---	---	---	---	---	---
	11/2/92	---	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
Screen	1/12/93	55.18	15.63	---	39.55	---	---	---	---	---	---
5'-20'	2/4/93	55.18	13.50	---	41.68	---	---	---	---	---	---
	5/5/93	55.18	12.30	---	42.88	---	---	---	---	---	---
	5/10/93	55.18	12.25	---	42.93	<50	<0.5	<0.5	<0.5	<0.5	---
	8/30/93	55.18	15.46	---	39.72	---	---	---	---	---	---
	12/21/93	55.18	15.46	---	39.72	---	---	---	---	---	---
	3/24/94	55.18	12.91	---	42.27	<50	<0.5	0.84	<0.5	0.85	---
	4/26/94	55.18	13.19	---	41.99	---	---	---	---	---	---
	9/27/94	55.18	10.81	---	44.37	---	---	---	---	---	---
	12/23/94	55.18	14.84	---	40.34	---	---	---	---	---	---
	3/25/95	55.18	10.71	---	44.47	---	---	---	---	---	---
	4/15/96	55.18	11.48	---	43.70	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/24/97	55.18	11.01	---	44.17	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/25/97	55.18	12.81	---	42.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/5/97	55.18	15.19	---	39.99	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	12/11/97	55.18	14.28	---	40.90	---	---	---	---	---	---
	4/8/98	55.18	9.50	---	45.68	<50	<0.5	<0.5	<0.5	<2.0	<5.0
	6/22/98	55.18	12.76	---	42.42	---	---	---	---	---	---
	9/26/98	55.18	14.62	---	40.56	---	---	---	---	---	---
	1/14/99	55.18	12.36	---	42.82	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/30/99	55.18	9.56	---	45.62	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	6/28/99	55.18	12.16	---	43.02	---	---	---	---	---	---
	10/5/99	55.18	15.35	---	39.83	---	---	---	---	---	---
	12/10/99	55.18	13.78	---	41.40	---	---	---	---	---	---
	3/24/00	55.18	10.42	---	44.76	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	6/7/00	55.18	12.65	---	42.53	---	---	---	---	---	---
	9/15/00	55.18	14.77	---	40.41	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	11/29/00	55.18	14.21	---	40.97	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	3/21/01	55.18	11.83	---	43.35	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	6/5/01	55.18	13.01	---	42.17	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	9/6/01	55.18	15.41	---	39.77	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	Removed from quarterly sampling schedule										
MW-11	10/28/92	53.14	15.45	---	37.69	---	---	---	---	---	---
	11/2/92	---	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
Screen	1/12/93	53.14	13.18	---	39.96	---	---	---	---	---	---
5'-20'	2/4/93	53.14	11.90	---	41.24	---	---	---	---	---	---
	3/2/93	53.14	3.88	---	49.26	<50	<0.5	0.60	<0.5	0.50	---
	5/5/93	53.14	7.60	---	45.54	---	---	---	---	---	---
	8/30/93	53.14	13.91	---	39.23	---	---	---	---	---	---
	12/16/93	---	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	12/21/93	53.14	9.96	---	43.18	---	---	---	---	---	---
	3/24/94	53.14	3.46	---	49.68	---	---	---	---	---	---
	4/26/94	53.14	3.83	---	49.31	---	---	---	---	---	---
	6/20/94	53.14	11.76	---	41.38	<50	<0.5	<0.5	<0.5	<0.5	---
	9/27/94	53.14	14.81	---	38.33	119	<0.5	<1.0	<1.0	<1.0	---
	12/23/94	53.14	12.17	---	40.97	---	---	---	---	---	---
	3/25/95	53.14	3.26	---	49.88	<50	---	---	---	---	---
	4/15/96	53.14	6.38	---	46.76	<50	<0.5	<0.5	<0.5	<2.0	<5.0
	2/24/97	53.14	4.36	---	48.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/25/97	53.14	10.79	---	42.35	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/5/97	53.14	13.50	---	39.64	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	12/11/97	53.14	6.79	---	46.35	---	---	---	---	---	---
	4/8/98	53.14	4.34	---	48.80	<50	<0.5	<0.5	<0.5	<2.0	<5.0
	6/22/98	53.14	6.79	---	46.35	---	---	---	---	---	---
	9/26/98	53.14	---	---	---	---	---	---	---	---	---
	1/14/99	53.14	6.46	---	46.68	---	---	---	---	---	---
	3/30/99	53.14	3.77	---	49.37	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	6/28/99	53.14	11	---	42.14	---	---	---	---	---	---
	10/5/99	53.14	13.49	---	39.65	---	---	---	---	---	---

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-11	12/10/99	53.14	3.88	---	49.26	---	---	---	---	---	---
(cont'd)	3/24/00	53.14	4.21	---	48.93	<50	<0.5	<0.5	<0.5	<1.0	<3.0
Screen	6/7/00	53.14	4.79	---	48.35	---	---	---	---	---	---
5'-20'	9/15/00	53.14	12.76	---	40.38	<50	<0.3	1.8	0.9	4.4	31.8*
	11/29/00	53.14	5.03	---	48.11	<50	<0.3	<0.3	<0.3	<0.6	5.8*
	3/21/01	53.14	4.93	---	48.21	<50	<0.3	<0.3	<0.3	<0.6	9.5*
	6/5/01	53.14	7.55	---	45.59	<50	<0.5	<0.5	<0.5	<0.5	48*
	9/6/01	53.14	13.58	---	39.56	<50	<0.5	<0.5	<0.5	<0.5	0.79*
	12/11/01	53.14	10.86	---	42.28	---	---	---	---	---	---
	3/12/02	53.14	8.57	---	44.57	<50	<0.5	<0.5	<0.5	<0.5	5.6*
	6/11/02	53.14	11.22	---	41.92	---	---	---	---	---	---
	9/9/02(1)	56.24	13.17	---	43.07	---	---	---	---	---	---
	12/20/02	56.24	11.81	---	44.43	---	---	---	---	---	---
	3/12/03	56.24	9.37	---	46.87	<50	<0.5	<0.5	<0.5	<0.5	0.72*
	6/6/03	56.24	9.33	---	46.91	---	---	---	---	---	---
	9/17/03	56.24	13.55	---	42.69	---	---	---	---	---	---
	12/5/03	56.24	13.22	---	43.02	---	---	---	---	---	---
	3/15/04	56.24	8.82	---	47.42	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/9/04	56.24	10.86	---	45.38	---	---	---	---	---	---
	9/13/04	56.24	13.15	---	43.09	---	---	---	---	---	---
	12/10/04	56.24	11.89	---	44.35	---	---	---	---	---	---
	3/24/05	56.24	9.60	---	46.64	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/1/05	56.24	9.58	---	46.66	---	---	---	---	---	---
	9/7/05	56.24	12.23	---	44.01	---	---	---	---	---	---
	12/8/05	56.24	10.96	---	45.28	---	---	---	---	---	---
	3/8/06	56.24	7.63	---	48.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/13/06	56.24	10.15	---	46.09	---	---	---	---	---	---
MW-12	12/16/93	---	---	---	---	670	5.7	19	6.2	48	---
	12/21/93	53.73	14.37	---	39.36	---	---	---	---	---	---
Screen	3/24/94	53.73	11.93	---	41.80	3,500	16	88	28	164	---
5'-20'	4/26/94	53.73	12.28	---	41.45	---	---	---	---	---	---
	9/27/94	53.73	16.24	---	37.49	---	---	---	---	---	---
	12/23/94	53.73	14.26	---	39.47	---	---	---	---	---	---
	3/25/95	53.73	10.17	---	43.56	---	---	---	---	---	---
	4/15/96	53.73	10.45	---	43.28	4,700	9	49	120	530	<300
	2/24/97	53.73	10.46	---	43.27	5,900	<5.0	57	180	750	<50
	5/26/97	53.73	11.51	---	42.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/5/97	53.73	13.92	---	39.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	12/11/97	53.73	12.60	---	41.13	59	<0.5	<0.5	<0.5	1.3	<5.0
	4/9/98	53.73	8.72	---	45.01	<50	<0.5	<0.5	<0.5	<2.0	<5.0
	6/22/98	53.73	10.37	---	43.36	<50	<0.5	<0.5	<0.5	0.62	<5.0
	9/26/98	53.73	13.35	---	40.38	100	<0.5	<0.5	<0.5	2.60	<5.0
	1/14/99	53.73	11.10	---	42.63	160	<0.5	1.1	2.9	14.4	<11
	3/30/99	53.73	8.49	---	45.24	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	6/28/99	53.73	11.71	---	42.02	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	10/5/99	53.73	14.08	---	39.65	4,200	<8.0	27	200	670	<100
	12/10/99	53.73	13.03	---	40.70	4,700	<3.0	17	160	560	<100
	3/24/00	53.73	9.45	---	44.28	390	<2.0	3.7	26	84	6.0
	6/7/00	53.73	10.42	---	43.31	2,680	<0.3	17	125	435	< 2.0 *
	9/15/00	53.73	13.66	---	40.07	1,810	<0.3	9.0	103	277	< 2.0 *
	11/29/00	53.73	13.21	---	40.52	3,500	<0.3	7.2	156	467	< 2.0 *
	3/21/01	53.73	11.73	---	42.00	4,880	<0.3	7.9	227	566	< 2.0 *
	6/5/01	53.73	11.94	---	41.79	2,200	<0.5	6.2	96	270	<0.5*
	9/6/01	53.73	14.17	---	39.56	730	<0.5	1.8	40	83	<0.5*
	12/11/01	53.73	13.04	---	40.69	1,900	81	46	52	110	7.7*
	3/12/02	53.73	9.92	---	43.81	1,800	<0.5	<0.5	31	17	<0.5*
	6/11/02	53.73	11.79	---	41.94	990	<0.5	1.1	52	85	<0.5*
	9/9/02(1)	56.90	13.78	---	43.12	1,600	<0.5	1.3	69	77	<0.5*
	12/20/02	56.90	13.15	---	43.75	850	<0.5	<0.5	31	21	<0.5*
	3/12/03	56.90	10.13	---	46.77	2,700	<0.5	0.63	51	38	<0.5*

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-12	6/6/03	56.90	9.99	---	46.91	890	<0.5	<0.5	21	11	<0.5*
(cont'd)	9/17/03	56.90	14.24	---	42.66	1,600	<0.5	<0.5	55	32	<0.5*
Screen	12/5/03	56.90	13.86	---	43.04	500	<0.5	<0.5	21	7.9	<0.5*
5'-20'	3/15/04	56.90	9.42	---	47.48	830	<0.5	<0.5	17	5	<0.5*
	6/9/04	56.90	10.71	---	46.19	1,600	<0.5	<0.5	37	17	<0.5*
	9/13/04	56.90	13.80	---	43.10	610	<0.5	<0.5	12	4.0	<0.5*
	12/10/04	56.90	12.62	---	44.28	440	<0.5	<0.5	4.9	4.5	<0.5*
	3/24/05	56.90	10.46	---	46.44	1,600	<0.5	0.58	18	25	<0.5*
	6/1/05	56.90	9.98	---	46.92	2,100	<0.5	1.1	26	46	0.86*
	9/7/05	56.90	12.75	---	44.15	1,200	<0.5	<0.5	7.1	8.2	<0.5*
	12/8/05	56.90	11.83	---	45.07	1,300	<0.5	<0.5	6.3	6.8	<0.5*
	3/8/06	56.90	10.00	---	46.90	<50	<0.5	0.56	<0.5	<0.5	<0.5*
	6/13/06	56.90	10.04	---	46.86	820	<0.5	<0.5	1.5	1.1	<0.5*
MW-13	12/16/93	---	---	---	---	<50	1.4	2.3	<0.5	1.53	
	12/21/93	52.64	13.38	---	39.26	---	---	---	---	---	---
Screen	3/24/94	52.64	10.73	---	41.91	<50	<0.5	<0.5	<0.5	<0.5	---
5'-20'	4/26/94	52.64	10.11	---	42.53	---	---	---	---	---	---
	9/27/94	52.64	14.32	---	38.32	<50	<0.5	<1.0	<1.0	<1.0	---
	3/25/95	52.64	2.89	---	49.75	---	---	---	---	---	---
	4/15/96	52.64	3.42	---	49.22	<50	<0.5	<0.5	<0.5	<2.0	<5.0
	2/24/97	52.64	3.05	---	49.59	<50	<0.5	<0.5	<0.5	<0.5	34
	5/25/97	52.64	3.75	---	48.89	<50	<0.5	<0.5	<0.5	<0.5	74
	9/5/97	52.64	4.58	---	48.06	<50	<0.5	<0.5	<0.5	<0.5	22
	12/11/97	52.64	3.82	---	48.82	---	---	---	---	---	---
	4/9/98	52.64	---	---	---	---	---	---	---	---	---
	6/22/98	52.64	3.00	---	49.64	130	<0.5	1.4	0.90	5.8	<5.0
	9/26/98	52.64	4.31	---	48.33	---	---	---	---	---	---
	1/14/99	52.64	3.00	---	49.64	---	---	---	---	---	---
	3/30/99	52.64	3.00	---	49.64	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	6/28/99	52.64	10.86	---	41.78	---	---	---	---	---	---
	10/5/99	52.64	3.53	---	49.11	---	---	---	---	---	---
	12/10/99	52.64	2.99	---	49.65	---	---	---	---	---	---
	3/24/00	52.64	3.22	---	49.42	<50	<0.5	1.3	<0.5	2.5	<3.0
	6/7/00	52.64	3.32	---	49.32	---	---	---	---	---	---
	9/15/00	52.64	3.32	---	49.32	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	11/29/00	52.64	3.17	---	49.47	<50	0.4	2.2	0.3	1.8	<2.0*
	3/21/01	52.64	3.37	---	49.27	<50	<0.3	<0.3	0.4	1.9	<2.0*
	6/5/01	52.64	4.51	---	48.13	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	9/6/01	52.64	4.14	---	48.50	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	12/11/01	52.64	3.08	---	49.56	---	---	---	---	---	---
	3/12/02	52.64	---	---	No Access	---	---	---	---	---	---
	6/11/02	52.64	3.48	---	49.16	---	---	---	---	---	---
	9/9/02(1)	55.81	3.75	---	52.06	---	---	---	---	---	---
	12/20/02	55.81	2.80	---	53.01	---	---	---	---	---	---
	3/12/03	55.81	3.37	---	52.44	<50	<0.5	<0.5	<0.5	<0.5	0.56*
	6/6/03	55.81	3.38	---	52.43	---	---	---	---	---	---
	9/17/03	55.81	---	---	No Access	---	---	---	---	---	---
	12/5/03	55.81	4.24	---	51.57	---	---	---	---	---	---
	3/15/04	55.81	3.31	---	52.50	<50	<0.5	<0.5	<0.5	<0.5	3.1*
	6/9/04	55.81	3.67	---	52.14	---	---	---	---	---	---
	9/13/04	55.81	3.93	---	51.88	---	---	---	---	---	---
	12/10/04	55.81	3.05	---	52.76	---	---	---	---	---	---
	3/24/05	55.81	3.06	---	52.75	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/1/05	55.81	3.37	---	52.44	---	---	---	---	---	---
	9/7/05	55.81	3.50	---	52.31	---	---	---	---	---	---
	12/8/05	55.81	3.12	---	52.69	---	---	---	---	---	---
	3/8/06	55.81	2.98	---	52.83	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/13/06	vehicle parked over well									

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-14	4/15/96	55.17	11.87	---	43.30	3,200	170	<0.5	<0.5	<2.0	---
	2/24/97	55.17	11.56	---	43.61	590	61	<0.5	3.1	<0.5	<5.0
Screen	5/26/97	55.17	12.98	---	42.19	1900	71	<7.0	0.65	1.5	<130
10'-20'	9/5/97	55.17	15.38	---	39.79	180	16	<0.5	<0.5	<0.5	<5.0
	12/11/97	55.17	---	---	---	---	---	---	---	---	---
	4/9/98	55.17	---	---	---	---	---	---	---	---	---
	6/22/98	55.17	---	---	---	---	---	---	---	---	---
	9/26/98	55.17	12.95	---	42.22	---	---	---	---	---	---
	1/14/99	55.17	10.69	---	44.48	---	---	---	---	---	---
	3/30/99	55.17	8.09	---	47.08	79	2.5	<5.0	<0.5	<0.5	5.9
	6/28/99	55.17	11.92	---	43.25	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	10/5/99	55.17	13.68	---	41.49	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	12/10/99	55.17	12.37	---	42.8	<50	1.6	<0.5	<0.5	<1.0	<3.0
	3/23/00	55.17	9.09	---	46.08	<50	1.7	1.2	<0.5	<1.0	<3.0
	6/7/00	55.17	11.16	---	44.01	190	11	< 0.3	1.7	3	< 2.0 *
	9/14/00	55.17	13.29	---	41.88	1,060	106	6.8	15.8	7.3	< 2.0 *
	11/29/00	55.17	12.64	---	42.53	738	139	12	42	7.7	< 2.0 *
	3/21/01	55.17	10.27	---	44.90	334	84.4	1.4	22.1	<0.6	< 2.0 *
	6/5/01	55.17	11.46	---	43.71	<50	4.3	<0.5	1.9	<0.5	<0.5*
	9/6/01	55.17	13.78	---	41.39	570	110	1.6	13	0.95	<0.5*
	12/11/01	55.17	12.04	---	43.13	600	30	2.6	3.1	4.8	<0.5*
	3/12/02	55.17	9.60	---	45.57	990	200	4.5	12	3.5	<0.5*
	6/11/02	55.17	11.56	---	43.61	560	110	2.7	28	1.2	<0.5*
	9/9/02(1)	56.52	13.31	---	43.21	790	75	3.2	22	1.5	<0.5*
	12/20/02	56.52	12.22	---	44.30	1,100	130	7.0	21	8.7	<0.5*
	3/12/03	56.52	9.74	---	46.78	1,300	270	7.0	37	4.0	<0.5*
	6/6/03	56.52	9.71	---	46.81	1,400	100	3.5	45	3.1	<0.5*
	9/17/03	56.52	13.80	---	42.72	2,600	210	38	87	54	<0.5*
	12/5/03	56.52	13.49	---	43.03	2,200	190	23	81	32	<0.5*
	3/15/04	56.52	8.93	---	47.59	1,800	190	8.1	84	8.4	<0.5*
	6/9/04	56.52	11.02	---	45.50	1,900	100	9.6	71	13	<0.5*
	9/13/04	56.52	13.29	---	43.23	1,400	150	6.2	55	1.1	<0.5*
	12/10/04	56.52	12.05	---	44.47	2,300	430	46	68	21	<0.5*
	3/24/05	56.52	9.72	---	46.80	1,800	370	4.9	41	0.64	<0.5*
	6/1/05	56.52	9.66	---	46.86	1,800	220	4.9	67	3.1	<0.5*
	9/7/05	56.52	12.38	---	44.14	4,800	390	80	230	170	<0.5*
	12/8/05	56.52	11.04	---	45.48	4,000	350	33	160	62	<0.5*
	3/8/06	56.52	7.70	---	48.82	860	120	2.5	32	0.56	<0.5*
	6/13/06	56.52	10.26	---	46.26	1,100	58	3.9	48	11	<0.5*
MW-15	7/23/98	54.21	12.44	---	41.77	<50	<0.5	<0.5	<0.5	0.72	<5.0
	9/26/98	54.21	13.55	---	40.66	<50	<0.5	<0.5	<0.5	<0.5	<5.0
Screen	1/14/99	54.21	12.15	---	42.06	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10'-20'	3/30/99	54.21	8.37	---	45.84	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	6/28/99	54.21	11.96	---	42.25	---	---	---	---	---	---
	10/5/99	54.21	13.61	---	40.60	---	---	---	---	---	---
	12/10/99	54.21	13.88	---	40.33	---	---	---	---	---	---
	3/23/00	54.21	9.43	---	44.78	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	6/7/00	54.21	11.31	---	42.90	---	---	---	---	---	---
	9/14/00	54.21	13.18	---	41.03	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	11/29/00	54.21	12.33	---	41.88	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	3/21/01	54.21	10.29	---	43.92	<70	<0.4	<0.4	<0.4	<0.8	<2.8*
	6/5/01	54.21	11.35	---	42.86	<50	<0.5	<0.5	<0.5	<0.5	0.97*
	9/6/01	54.21	14.01	---	40.20	<50	<0.5	<0.5	<0.5	<0.5	0.57*
	12/11/01	54.21	11.7	---	42.51	---	---	---	---	---	---
	3/12/02	54.21	10.83	---	43.38	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/11/02	54.21	11.57	---	42.64	---	---	---	---	---	---
	9/9/02(1)	57.38	13.29	---	44.09	---	---	---	---	---	---
	12/20/02	57.38	11.81	---	45.57	---	---	---	---	---	---
	3/12/03	57.38	10.07	---	47.31	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/6/03	57.38	9.73	---	47.65	---	---	---	---	---	---
	9/17/03	57.38	13.41	---	43.97	---	---	---	---	---	---

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-15	12/5/03	57.38	13.10	---	44.28	---	---	---	---	---	---
(cont'd)	3/15/04	57.38	8.89	---	48.49	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
Screen	6/9/04	57.38	11.11	---	46.27	---	---	---	---	---	---
10'-20'	9/13/04	57.38	13.34	---	44.04	---	---	---	---	---	---
	12/10/04	57.38	11.60	---	45.78	---	---	---	---	---	---
	3/24/05	57.38	9.43	---	47.95	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/1/05	57.38	10.85	---	46.53	---	---	---	---	---	---
	9/7/05	57.38	12.43	---	44.95	---	---	---	---	---	---
	12/8/05	57.38	11.55	---	45.83	---	---	---	---	---	---
	3/8/06	57.38	7.45	---	49.93	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/13/06	57.38	10.33	---	47.05	---	---	---	---	---	---
MW-16	7/23/98	54.44	11.47	---	42.97	<50	<0.5	<0.5	<0.5	<0.5	14
	9/26/98	54.44	14.06	---	40.38	<50	<0.5	<0.5	<0.5	<0.5	6.3
Screen	1/14/99	54.44	11.76	---	42.68	<50	<0.5	<0.5	<0.5	<0.5	11
10'-20'	3/30/99	54.44	9.18	---	45.26	<50	<0.5	<0.5	<0.5	<0.5	7.5
	6/28/99	54.44	12.26	---	42.18	---	---	---	---	---	---
	10/5/99	54.44	14.81	---	39.63	---	---	---	---	---	---
	12/10/99	54.44	13.52	---	40.92	---	---	---	---	---	---
	3/24/00	54.44	10.19	---	44.25	<50	<0.5	<0.5	<0.5	<1.0	23*
	6/7/00	54.44	12.22	---	42.22	---	---	---	---	---	---
	9/15/00	54.44	14.44	---	40.00	<50	<0.3	<0.3	<0.3	<0.6	7.7*
	11/29/00	54.44	13.89	---	40.55	<50	<0.3	<0.3	<0.3	<0.6	2.9*
	3/21/01	54.44	11.55	---	42.89	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	6/5/01	54.44	12.62	---	41.82	<50	<0.5	<0.5	<0.5	<0.5	0.78*
	9/6/01	54.44	14.82	---	39.62	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	12/11/01	54.44	13.21	---	41.23	---	---	---	---	---	---
	3/12/02	54.44	10.81	---	43.63	<50	<0.5	<0.5	<0.5	<0.5	0.71*
	6/11/02	54.44	12.62	---	41.82	---	---	---	---	---	---
	9/9/02(1)	57.56	14.45	---	43.11	---	---	---	---	---	---
	12/20/02	57.56	13.34	---	44.22	---	---	---	---	---	---
	3/12/03	57.56	10.89	---	46.67	<50	<0.5	<0.5	<0.5	<0.5	0.61*
	6/6/03	57.56	10.82	---	46.74	---	---	---	---	---	---
	9/17/03	57.56	14.96	---	42.60	---	---	---	---	---	---
	12/5/03	57.56	14.63	---	42.93	---	---	---	---	---	---
	3/15/04	57.56	10.09	---	47.47	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/9/04	57.56	12.15	---	45.41	---	---	---	---	---	---
	9/13/04	57.56	13.34	---	44.22	---	---	---	---	---	---
	12/10/04	57.56	13.17	---	44.39	---	---	---	---	---	---
	3/24/05	57.56	10.89	---	46.67	<50	<0.5	<0.5	<0.5	<0.5	93*
	6/1/05	57.56	10.82	---	46.74	---	---	---	---	---	---
	9/7/05	57.56	13.48	---	44.08	---	---	---	---	---	---
	12/8/05	57.56	12.28	---	45.28	---	---	---	---	---	---
	3/8/06	57.56	8.87	---	48.69	---	---	---	---	---	---
	6/13/06	57.56	11.5	---	46.06	---	---	---	---	---	---
MW-17B	3/8/06	58.25	10.59	---	47.66	150,000	19,000	32,000	3,100	18,000	650*
	6/13/06	58.25	12.31	sheen	45.94	220,000	17,000	32,000	4,700	26,000	530*
Screen 15'-20'											
MW-18B	3/8/06	57.00	8.70	---	48.30	110,000	840	13,000	3,500	19,000	<30*
	6/13/06	57.00	10.96	sheen	46.04	220,000	920	13,000	4,300	20,000	<30*
Screen 15'-20'											
MW-19B	3/8/06	58.22	9.21	---	49.01	160,000	5,600	23,000	3,900	20,000	69*
	6/13/06	58.22	11.8	sheen	46.42	110,000	6,200	23,000	3,300	18,000	<40*
Screen 15'-20'											

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
Shallow Wells											
MW-17A	3/8/06	58.13	5.36	---	52.77	14,000	4.3	3.8	240	580	<2.5*
	6/13/06	58.13	6.07	sheen	52.06	12,000	3.3	2.2	190	230	<2.0*
Screen 4'-10'											
MW-18A	3/8/06	57.39	4.39	---	53.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/13/06	57.39	4.99	---	52.40	310	3.1	<0.5	0.99	0.8	1.1*
Screen 4'-10'											
MW-19A	3/8/06	58.23	9.34	---	48.89	20,000	180	650	690	3,000	5.1*
	6/13/06	Dry - no sample collected									
Screen 4'-10'											
Deep Wells	4/15/96	54.66	11.46	---	43.20	200	42	2.0	<0.5	2.0	---
DW-1	2/24/97	54.66	11.15	---	43.51	<50	<0.5	<0.5	<0.5	<0.5	5.7
	5/25/97	54.66	12.54	---	42.12	<50	<0.5	<0.5	<0.5	<0.5	11
Screen	9/5/97	54.66	14.95	---	39.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0
30'-40'	12/11/97	54.66	13.60	---	41.06	<50	<0.5	<0.5	<0.5	<0.5	390
	4/9/98	54.66	9.70	---	44.96	<50	<0.5	<0.5	<0.5	<2.0	9
	6/22/98	54.66	10.36	---	44.30	---	---	---	---	---	---
	9/26/98	54.66	14.28	---	40.38	---	---	---	---	---	---
	1/14/99	54.66	12.10	---	42.56	---	---	---	---	---	---
	3/30/99	54.66	9.49	---	45.17	<50	<0.5	<0.5	<0.5	<0.5	630
	6/28/99	54.66	16.26	---	38.40	---	---	---	---	---	---
	10/5/99	54.66	15.02	---	39.64	---	---	---	---	---	---
	12/10/99	54.66	13.72	---	40.94	---	---	---	---	---	---
	3/23/00	54.66	10.46	---	44.20	110	1.1	<0.5	<0.5	<1.0	390*
	6/7/00	54.66	12.47	---	42.19	---	---	---	---	---	---
	9/14/00	54.66	14.73	---	39.93	<50	<0.3	1.1	1.0	1.9	18.7*
	11/29/00	54.66	14.13	---	40.53	<50	13.3	<6	<6	<12	386*
	3/21/01	54.66	11.74	---	42.92	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	6/5/01	54.66	12.93	---	41.73	160	56	<0.5	<0.5	1.7	340*
	9/6/01	54.66	15.12	---	39.54	<50	<0.5	<0.5	<0.5	<0.5	27*
	12/11/01	54.66	13.43	---	41.23	900	240	7.7	4.9	47	310*
	3/12/02	54.66	11.05	---	43.61	510	260	<2	<2	<2	210*
	6/11/02	54.66	12.93	---	41.73	420	120	<0.5	1.4	<0.5	170*
	9/9/02(1)	57.81	14.71	---	43.10	<50	<0.5	<0.5	<0.5	<0.5	17*
	12/20/02	57.81	13.61	---	44.20	<50	<0.5	<0.5	<0.5	<0.5	19*
	3/12/03	57.81	11.20	---	46.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/6/03	57.81	11.13	---	46.68	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	9/17/03	57.81	15.27	---	42.54	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	12/5/03	57.81	14.97	---	42.84	<50	1.7	<0.5	<0.5	<0.5	3.1*
	3/15/04	57.81	10.40	---	47.41	<50	2.4	<0.5	<0.5	<0.5	33*
	6/9/04	57.81	12.44	---	45.37	<50	<0.5	<0.5	<0.5	<0.5	0.68*
	9/13/04	57.81	14.68	---	43.13	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	12/10/04	57.81	13.45	---	44.36	<50	<0.5	<0.5	<0.5	<0.5	0.93*
	3/24/05	57.81	11.16	---	46.65	<50	<0.5	<0.5	<0.5	<0.5	0.89*
	6/1/05	57.81	11.10	---	46.71	<50	<0.5	<0.5	<0.5	<0.5	0.96*
	9/7/05	57.81	13.77	---	44.04	<50	<0.5	<0.5	<0.5	<0.5	0.80*
	12/8/05	57.81	12.52	---	45.29	<50	<0.5	<0.5	<0.5	<0.5	1.0*
	3/8/06	57.81	9.19	---	48.62	<50	<0.5	<0.5	<0.5	<0.5	1.2*
	6/13/06	57.81	11.70	---	46.11	<50	<0.5	<0.5	<0.5	<0.5	1.1*

Table 2
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Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
DW-2	4/15/96	55.05	11.83	---	43.22	<50	<0.5	0.9	0.6	3.0	---
	2/24/97	55.05	11.52	---	43.53	<50	<0.5	<0.5	<0.5	<0.5	<5.0
Screen	5/25/97	55.05	12.92	---	42.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0
30'-40'	9/5/97	55.05	15.31	---	39.74	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	12/11/97	55.05	---	---	---	---	---	---	---	---	---
	4/9/98	55.05	---	---	---	---	---	---	---	---	---
	6/22/98	55.05	---	---	---	---	---	---	---	---	---
	9/26/98	55.05	12.5	---	42.55	---	---	---	---	---	---
	1/14/99	55.05	10.26	---	44.79	---	---	---	---	---	---
	3/30/99	55.05	7.69	---	47.36	<50	<0.5	<0.5	<0.5	<0.5	<3.0
	6/28/99	55.05	14.20	---	40.85	---	---	---	---	---	---
	10/5/99	55.05	13.24	---	41.81	---	---	---	---	---	---
	12/10/99	55.05	11.91	---	43.14	---	---	---	---	---	---
	3/23/00	55.05	8.72	---	46.33	<50	<0.5	<0.5	<0.5	<1.0	<3.0
	6/7/00	55.05	10.72	---	44.33	---	---	---	---	---	---
	9/14/00	55.05	12.89	---	42.16	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	11/29/00	55.05	12.28	---	42.77	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	3/21/01	55.05	9.91	---	45.14	<50	<0.3	<0.3	<0.3	<0.6	<2.0*
	6/5/01	55.05	11.09	---	43.96	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	9/6/01	55.05	13.32	---	41.73	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	12/11/01	55.05	11.59	---	43.46	---	---	---	---	---	---
	3/12/02	55.05	6.21	---	48.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/11/02	55.05	11.12	---	43.93	---	---	---	---	---	---
	9/9/02(1)	55.99	12.88	---	43.11	---	---	---	---	---	---
	12/20/02	55.99	11.78	---	44.21	---	---	---	---	---	---
	3/12/03	55.99	9.35	---	46.64	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/6/03	55.99	9.31	---	46.68	---	---	---	---	---	---
	9/17/03	55.99	13.43	---	42.56	---	---	---	---	---	---
	12/5/03	55.99	13.10	---	42.89	---	---	---	---	---	---
	3/15/04	55.99	8.57	---	47.42	<50	<0.5	<0.5	<0.5	<0.5	0.56*
	6/9/04	55.99	10.61	---	45.38	---	---	---	---	---	---
	9/13/04	55.99	12.86	---	43.13	---	---	---	---	---	---
	12/10/04	55.99	11.61	---	44.38	---	---	---	---	---	---
	3/24/05	55.99	9.32	---	46.67	<50	<0.5	<0.5	<0.5	<0.5	1.0*
	6/1/05	55.99	9.25	---	46.74	---	---	---	---	---	---
	9/7/05	55.99	11.95	---	44.04	---	---	---	---	---	---
	12/8/05	55.99	10.67	---	45.32	---	---	---	---	---	---
	3/8/06	55.99	7.36	---	48.63	<50	<0.5	<0.5	<0.5	<0.5	2.3*
	6/13/06	55.99	9.86	---	46.13	---	---	---	---	---	---
DW-3	4/15/96	53.30	10.15	---	43.15	3,200	170	<0.5	<0.5	<2.0	---
	2/24/97	53.30	9.82	---	43.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0
Screen	5/26/97	53.30	11.20	---	42.10	<50	<0.5	<0.5	<0.5	<0.5	<5.0
30'-40'	9/5/97	53.30	14.61	---	38.69	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	12/11/97	53.30	12.27	---	41.03	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	4/8/98	53.30	8.38	---	44.92	<50	<0.5	<0.5	<0.5	<2.0	<5.0
	6/22/98	53.30	9.42	---	43.88	---	---	---	---	---	---
	9/26/98	53.30	13.10	---	40.20	---	---	---	---	---	---
	1/14/99	53.30	11.86	---	41.44	---	---	---	---	---	---
	3/30/99	53.30	8.18	---	45.12	<50	<0.5	<0.5	<0.5	<0.5	3.3
	6/28/99	53.30	14.16	---	39.14	---	---	---	---	---	---
	10/5/99	53.30	13.73	---	39.57	---	---	---	---	---	---
	12/10/99	53.30	12.43	---	40.87	---	---	---	---	---	---
	3/24/00	53.30	9.14	---	44.16	100	<0.5	<0.5	<0.5	<1.0	390*
	6/7/00	53.30	11.16	---	42.14	---	---	---	---	---	---
	9/15/00	53.30	13.79	---	39.51	<50	0.8	4.1	1.7	6.6	12.7*
	11/29/00	53.30	12.82	---	40.48	140	<0.3	<0.3	<0.3	<0.6	358*
	3/21/01	53.30	10.45	---	42.85	243	2.0	<0.3	<0.3	<0.6	435*
	6/5/01	53.30	11.60	---	41.70	180	63	<0.5	<0.5	<0.5	310*
	9/6/01	53.30	13.79	---	39.51	<50	<0.5	<0.5	<0.5	<0.5	290*
	12/11/01	53.30	12.12	---	41.18	<50	<0.5	<0.5	<0.5	<0.5	290*
	3/12/02	53.30	9.72	---	43.58	<50	<0.5	<0.5	<0.5	<0.5	220*

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Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
DW-3	6/11/02	53.30	11.57	---	41.73	<50	<0.5	<0.5	<0.5	<0.5	180*
(cont'd)	9/9/02(1)	56.45	13.39	---	43.06	<50	<0.5	<0.5	<0.5	<0.5	170*
Screen	12/20/02	56.45	12.31	---	44.14	<50	<0.5	<0.5	<0.5	<0.5	140*
30'-40'	3/12/03	56.45	9.88	---	46.57	<50	<0.5	<0.5	<0.5	0.74	94*
	6/6/03	56.45	9.79	---	46.66	<50	<0.5	<0.5	<0.5	<0.5	38*
	9/17/03	56.45	13.96	---	42.49	<50	<0.5	<0.5	<0.5	<0.5	27*
	12/5/03	56.45	13.64	---	42.81	<50	<0.5	<0.5	<0.5	<0.5	16*
	3/15/04	56.45	9.08	---	47.37	<50	<0.5	<0.5	<0.5	<0.5	4.9*
	6/9/04	56.45	11.12	---	45.33	<50	<0.5	<0.5	<0.5	<0.5	5.9*
	9/13/04	56.45	13.37	---	43.08	<50	<0.5	<0.5	<0.5	<0.5	4.5*
	12/10/04	56.45	12.13	---	44.32	<50	<0.5	<0.5	<0.5	<0.5	4.5*
	3/24/05	56.45	9.83	---	46.62	<50	<0.5	<0.5	<0.5	<0.5	1.7*
	6/1/05	56.45	9.77	---	46.68	<50	<0.5	<0.5	<0.5	<0.5	1.1*
	9/7/05	56.45	12.45	---	44.00	<50	<0.5	<0.5	<0.5	<0.5	0.98*
	12/8/05	56.45	11.20	---	45.25	<50	<0.5	<0.5	<0.5	<0.5	1.2*
	3/8/06	56.45	7.86	---	48.59	<50	<0.5	<0.5	<0.5	<0.5	1.3*
	6/13/06	56.45	10.37	---	46.08	<50	<0.5	<0.5	<0.5	<0.5	0.71*
<u>Recovery Wells</u>											
RW-1	11/29/00	54.93	13.66	---	41.27	387,000	6,030	62,500	6,450	57,100	123*
	3/21/01	54.93	11.23	---	43.70	83,900	2,100	8,970	3,610	14,100	79*
Screen	6/5/01	54.93	12.47	---	42.46	75,000	1,700	6,000	2,800	12,000	410*
5'-20'	Removed in August 2001, during remedial excavation activities										
RW-2	11/29/00	54.69	8.42	---	46.27	6,100	375	408	138	497	<100*
	3/21/01	54.69	7.45	---	47.24	4,920	147	14	59	90	<40*
Screen	6/5/01	54.69	10.59	---	44.10	12,000	320	19	80	120	21*
5'-20'	Removed in August 2001, during remedial excavation activities										
RW-3	11/29/00	54.52	8.23	---	46.29	4,710	129	21	<1.5	146	46.4*
	3/21/01	54.52	7.27	---	47.25	4,340	168	37	99.1	261	16.5*
Screen	6/5/01	54.52	8.91	---	45.61	9,300	230	15	52	58	19*
5'-20'	Removed in August 2001, during remedial excavation activities										
RW-4B	11/29/00	51.74	3.09	---	48.65	<50	0.3	1.3	0.4	2.9	<2.0*
	3/21/01	51.74	3.32	---	48.42	<50	0.6	<0.3	0.4	0.6	<2.0*
Screen	6/5/01	51.74	3.51	---	48.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
5'-20'	9/6/01	51.74	4.21	---	47.53	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	12/11/01	51.74	2.86	---	48.88	---	---	---	---	---	---
	3/12/02	51.74	3.56	---	48.18	<50	<0.5	<0.5	<0.5	1.1	<0.5*
	6/11/02	51.74	3.49	---	48.25	---	---	---	---	---	---
	9/9/02(1)	55.90	3.82	---	52.08	---	---	---	---	---	---
	12/20/02	55.90	2.39	---	53.51	---	---	---	---	---	---
	3/12/03	55.90	3.33	---	52.57	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/6/03	55.90	3.35	---	52.55	---	---	---	---	---	---
	9/17/03	55.90	4.75	---	51.15	---	---	---	---	---	---
	12/5/03	55.90	4.11	---	51.79	---	---	---	---	---	---
	3/15/04	55.90	3.23	---	52.67	<50	<0.5	<0.5	<0.5	<0.5	<0.5*
	6/9/04	55.90	3.73	---	52.17	---	---	---	---	---	---
	9/13/04	55.90	3.98	---	51.92	---	---	---	---	---	---
	12/10/04	55.90	2.83	---	53.07	---	---	---	---	---	---
	3/24/05	Covered over by structure									
RW-5	11/29/00	55.16	10.32	---	44.84	<2,500	229	46	36.1	15.3	254*
	3/21/01	55.16	6.94	---	48.22	1,330	54.3	10.4	25.7	116	26.9*
Screen	6/5/01	55.16	11.27	---	43.89	4,000	150	3.6	52	86	21*
5'-20'	9/6/01	55.16	15.59	---	39.57	3,400	240	15	43	33	28*
	12/11/01	55.16	10.33	---	44.83	8,100	280	26	120	320	39*
	3/12/02	55.16	8.30	---	46.86	2,100	180	1.9	32	5	19*
	6/11/02	55.16	13.08	---	42.08	1,900	440	2.3	48	7.9	34*
	9/9/02(1)	58.30	15.58	---	42.72	3,100	410	7.8	39	26	20*
	12/20/02	58.30	5.88	---	52.42	4,900	200	8.5	73	350	26*

Table 2
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Well No.	Sampling Date	TOC (feet)	DTW (feet)	*LNAPL (feet)	GWE (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
RW-5	3/12/03	58.30	10.71	---	47.59	1,200	120	0.61	16	<0.5	40*
(cont'd)	6/6/03	58.30	11.04	---	47.26	1,300	130	0.65	20	3.2	13*
Screen	9/17/03	58.30	15.36	---	42.94	2,100	230	1.2	19	6.5	540*
5'-20'	12/5/03	58.30	14.57	---	43.73	2,500	290	4.6	54	120	210*
	3/15/04	58.30	9.93	---	48.37	990	52	<0.5	13	<0.5	20*
	6/9/04	58.30	12.70	---	45.60	1,500	100	<0.5	9.5	1.4	37*
	9/13/04	58.30	15.08	---	43.22	910	55	0.73	5.7	2.1	31*
	12/10/04	58.30	5.98	---	52.32	4,400	110	2.3	43	300	11*
	3/24/05	58.30	6.36	---	51.94	3,900	120	2.1	41	190	13*
	6/1/05	58.30	12.33	---	45.97	1,600	71	0.57	16	4.8	11*
	9/7/05	58.30	14.41	---	43.89	750	11	<0.5	1.4	0.74	21*
	12/6/05	58.30	12.16	---	46.14	2,700	71	1.1	38	67	10*
	3/8/06	58.30	5.64	---	52.66	2,500	35	3.0	66	150	7.1*
	6/13/06	58.30	12.03	---	46.27	330	6.6	<0.5	0.62	<0.5	3.8*
					MCL	---	1	150	300	1,750	13
				Taste & odor threshold		5	---	42	29	17	5

Notes :
TOC: Top of casing relative to mean sea level. (1) All existing wells resurveyed in fall 2002
DTW: Depth to water measured from top of well casing in feet.
*LNAPL: Light Non-Aqueous Phase Liquid petroleum. Where listed in parentheses, it indicates the depth to LNAPL.
When LNAPL present, groundwater elevation calculated as: GWE = TOC - [DTW - 0.8(LNAPL)].
GWE: Ground water elevation as referenced to benchmark above mean sea level in feet.
TPHg: Total petroleum hydrocarbons as gasoline (EPA Method 5030/8015M)
Benzene, Toluene, Ethylbenzene, Xylenes: BTEX (EPA Method 8020, or 8260B)
MTBE: Methyl tertiary butyl ether (EPA Method 8020 or * by EPA Method 8260B)
<: Not detected at or above method detection limit as shown.
µg/L: micrograms per liter
"---": Not analyzed, available, or applicable.
MCL: primary maximum contaminant level, an enforceable California drinking water standard.

Table 3
GROUNDWATER EXTRACTION SYSTEM ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Sample and Date	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
Influent (EX-1)						
8/5/02	3,800	120	37	110	110	16
10/10/02	7,000	1,200	320	260	480	170
11/12/02	13,000	970	760	500	1700	140
12/3/02	15,000	1,300	1,200	390	1,200	150
1/10/03	12,000	1,500	1,100	390	1,300	200
2/10/03	8,400	990	860	270	830	120
3/3/03	9,700	1,200	1,300	310	1,100	110
4/7/03	16,000	1,700	1,400	610	2,100	120
5/1/03	21,000	2,200	2,300	610	2,800	150
5/30/03	11,000	1,400	550	420	1,400	100
7/2/03	13,000	1,000	240	370	1,200	74
8/1/03	14,000	1,100	350	420	2,000	59
9/2/03	7,000	510	65	210	550	60
10/2/03	9,000	1,200	120	360	1,000	77
11/5/03	4,400	800	30	120	210	99
12/2/03	5,000	440	35	160	340	42
1/6/04	470	25	3	10	19	14
3/17/04	1,800	580	14	34	39	35
4/2/04	8,200	1,700	190	280	373	110
5/3/04	5,400	690	96	120	120	84
6/9/04	10,000	1,900	420	450	910	100
7/7/04	6,800	1,100	88	280	450	71
8/2/04	4,000	590	47	130	180	61
9/2/04	2,800	570	33	100	130	69
10/4/04	5,000	830	37	150	250	70
11/2/04	1,600	280	14	51	53	47
12/1/04	1,500	360	13	35	27	58
1/3/05	1,900	520	49	54	35	40
2/1/05	3,500	520	230	130	240	37
3/2/05	980	53	63	30	110	10
4/4/05	2,100	69	99	64	230	4.4
5/3/05	2,200	120	140	94	280	6.5
6/1/05	1,800	82	64	68	160	5.6
7/1/05	8,200	660	100	330	860	40
8/1/05	6,600	540	53	220	550	39
9/1/05	10,000	800	50	300	970	29
10/3/05	2,400	120	22	41	100	7.8
10/31/05	3,200	170	23	48	74	11
12/1/05	810	100	12	18	13	6.5
1/3/06	1,100	250	9	19	14	8.6
3/2/06	3,300	470	180	110	150	24
4/3/06	3,800	530	360	190	360	20
5/1/06	3,800	410	260	190	330	18
6/2/06	2,900	390	110	150	220	17

Table 3
GROUNDWATER EXTRACTION SYSTEM ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Sample and Date	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
Influent (EX-2)						
8/5/02	130,000	6,600	30,000	2,800	17,000	<1,000
4/7/03	91,000	720	9,200	2,400	17,000	<50
5/1/03	91,000	1,400	13,000	2,800	18,000	<50
5/30/03	110,000	1,400	12,000	2,600	17,000	<50
7/2/03	88,000	2,000	10,000	2,500	15,000	<500
9/17/03	120,000	2,000	11,000	2,400	18,000	<50
4/2/04	64,000	570	5,000	2,000	15,500	<50
5/3/04	73,000	870	6,500	2,300	17,100	<50
6/9/04	69,000	610	4,600	1,600	11,000	<20
7/7/04	70,000	3,300	6,600	1,400	8,800	<15
8/2/04	53,000	3,300	5,400	1,400	7,300	<25
9/2/04	75,000	5,100	8,400	2,300	11,000	<20
10/4/04	76,000	5,100	11,000	2,200	13,000	<25
11/2/04	81,000	4,600	11,000	2,400	14,000	<25
12/1/04	62,000	5,000	7,300	1,500	7,600	<15
1/3/05	70,000	6,000	16,000	2,100	14,000	<25
2/1/05	73,000	5,500	11,000	2,000	9,500	<25
3/2/05	66,000	4,600	11,000	1,700	8,800	<25
4/4/05	53,000	2,100	5,000	1,300	6,700	<15
5/3/05	44,000	1,800	5,700	1,000	5,300	<15
6/1/05	38,000	1,600	4,500	1,100	5,000	<7
7/1/05	61,000	2,100	9,400	1,600	12,000	<7
8/1/05	59,000	2,000	6,600	1,500	7,800	<15
9/1/05	61,000	2,000	7,400	1,500	9,500	<15
10/3/05	38,000	1,300	3,700	980	5,700	<7
10/31/05	42,000	1,400	3,400	1,100	5,100	<7
12/1/05	42,000	1,500	3,500	1,100	5,400	<7
1/3/06	68,000	1,400	5,700	2,200	12,000	<15
3/2/06	17,000	500	1,300	410	2,400	<4
4/3/06	14,000	420	930	350	2,500	<4
5/1/06	4,500	120	210	94	500	1.6
6/2/06	4,600	130	210	110	430	1.4

Table 3
GROUNDWATER EXTRACTION SYSTEM ANALYTICAL RESULTS
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Sample and Date	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
Effluent (Eff Main)						
8/5/02	1,100	<0.5	<0.5	<0.5	<0.5	<5.0
10/10/02	<50	<0.5	<0.5	<0.5	<0.5	<5.0
11/12/02	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/3/02	180	<0.5	<0.5	<0.5	<0.5	<5.0
1/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
2/10/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3/3/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
4/7/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
5/1/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
5/30/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
7/2/03	<50	<0.5	<0.5	<0.5	<0.5	<5.0
8/1/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
9/2/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/2/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/5/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/2/03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
1/6/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3/17/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
4/2/04	<50	<0.5	<0.5	<0.5	<1	<0.5
5/3/04	<50	<0.5	<0.5	<0.5	0.9	<0.5
6/9/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
7/7/04	<50	<0.5	<0.5	<0.5	<0.5	<5
8/2/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
9/2/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/4/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/2/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/1/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
1/10/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
2/1/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3/2/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
4/4/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
5/3/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
6/1/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
7/1/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
8/1/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
9/1/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/3/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/31/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/1/05	<50	<0.5	<0.5	<0.5	<0.5	<0.5
1/3/06	<50	<0.5	<0.5	<0.5	<0.5	<0.5
3/2/06	<50	<0.5	<0.5	<0.5	<0.5	<0.5
4/3/06	<50	<0.5	<0.5	<0.5	<0.5	<0.5
5/1/06	<50	<0.5	<0.5	<0.5	<0.5	<0.5
6/2/06	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

TPHg	Total Petroleum Hydrocarbons as gasoline by EPA method 5030/8260B
BTEX	Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA Method 8260B
MTBE	Methyl tert-butyl ether by EPA Method 8260B
µg/L	Micrograms per liter

Table 4
CUMULATIVE HYDROCARBON RECOVERY FROM GROUNDWATER
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Date	A Cummulative Discharge (gal)	B Discharge for Interval (gal)	C Conversion factor (3.785 L/gal)	D Avg TPH (µg/L)	E Conversion factor (1 lbs / 453,600,000 µg)	F TPH recovered (lbs)	G TPH recovered (lbs, to sig figure)
9/9/02	24,330	24,330	3.875	3,800	0.000000002205	0.79	0.79
12/31/02	159,500	135,170	3.875	12,000	0.000000002205	13.86	14
1/10/03	235,450	75,950	3.875	12,000	0.000000002205	7.79	7.8
2/10/03	289,850	54,400	3.875	8,400	0.000000002205	3.90	3.9
3/3/03	311,280	21,430	3.875	9,700	0.000000002205	1.78	1.8
4/7/03	349,560	38,280	3.875	31,000	0.000000002205	10.14	10
5/1/03	400,120	50,560	3.875	35,000	0.000000002205	15.12	15
5/30/03	452,620	52,500	3.875	31,000	0.000000002205	13.91	14
7/2/03	500,260	47,640	3.875	28,000	0.000000002205	11.40	11
8/1/03	533,000	32,740	3.875	14,000	0.000000002205	3.92	3.9
9/2/03	563,490	30,490	3.875	7,000	0.000000002205	1.82	2
10/2/03	580,650	17,160	3.875	9,000	0.000000002205	1.32	1
11/5/03	598,360	17,710	3.875	4,400	0.000000002205	0.67	0.67
12/2/03	601,920	3,560	3.875	5,000	0.000000002205	0.15	0.2
1/6/04	605,895	3,975	3.875	470	0.000000002205	0.02	0.020
3/17/04	635,710	29,815	3.875	1,800	0.000000002205	0.46	0.46
4/2/04	682,900	47,190	3.875	19,000	0.000000002205	7.66	8.9
5/3/04	747,310	64,410	3.875	19,000	0.000000002205	10.46	12
6/9/04	858,890	111,580	3.875	22,000	0.000000002205	20.97	24
7/7/04	870,110	11,220	3.875	19,000	0.000000002205	1.82	1.8
8/2/04	887,640	17,530	3.875	14,000	0.000000002205	2.10	2.1
9/2/04	905,200	17,560	3.875	17,000	0.000000002205	2.55	2.6
10/4/04	910,310	5,110	3.875	19,000	0.000000002205	0.83	0.8
11/2/04	927,340	17,030	3.875	23,000	0.000000002205	3.35	3.3
12/1/04	976,980	49,640	3.875	18,000	0.000000002205	7.63	7.6
1/3/05	1,043,390	66,410	3.875	15,520	0.000000002205	8.81	8.8
2/1/05	1,066,540	23,150	3.875	17,400	0.000000002205	3.44	3.4
3/2/05	1,243,580	177,040	3.875	14,000	0.000000002205	21.18	21
4/4/05	1,575,210	331,630	3.875	12,280	0.000000002205	34.80	35
5/3/05	1,834,620	259,410	3.875	10,560	0.000000002205	23.41	23
6/1/05	2,069,870	235,250	3.875	9,040	0.000000002205	18.17	18
7/1/05	2,185,700	115,830	3.875	18,760	0.000000002205	18.57	19

Table 4
CUMULATIVE HYDROCARBON RECOVERY FROM GROUNDWATER
Fortuna Beacon Petro Mart
390 South Fortuna Blvd, Fortuna, California
Blue Rock Project # FNC-3

Date	A Cummulative Discharge (gal)	B Discharge for Interval (gal)	C Conversion factor (3.785 L/gal)	D Avg TPH (µg/L)	E Conversion factor (1 lbs / 453,600,000 µg)	F TPH recovered (lbs)	G TPH recovered (lbs, to sig figure)
8/1/05	2,299,330	113,630	3.875	17,080	0.000000002205	16.58	17
9/1/05	2,307,920	8,590	3.875	20,200	0.000000002205	1.48	1.5
10/3/05	2,355,920	48,000	3.875	9,520	0.000000002205	3.90	3.9
10/31/05	2,398,300	42,380	3.875	10,960	0.000000002205	3.97	4.0
12/1/05	2,483,070	84,770	3.875	9,048	0.000000002205	6.55	6.5
1/3/06	2,584,800	101,730	3.875	14,480	0.000000002205	12.59	13
3/2/06	2,796,650	211,850	3.875	6,040	0.000000002205	10.93	11
4/3/06	3,131,850	335,200	3.875	5,840	0.000000002205	16.73	17
5/1/06	3,515,890	384,040	3.875	3,940	0.000000002205	12.93	13
6/2/06	3,865,130	349,240	3.875	3,240	0.000000002205	9.67	10

Total Mass of Hydrocarbons Recovered (in lbs)	**374.74**
Total Volume of Hydrocarbons Recovered (in gals)	**61.6**

(assuming gasoline density of 6.08 lbs/gal)

NOTES REGARDING TABLE

Initial startup of system - August 5, 2002.

A: Cumulative volume of groundwater recovered and discharged (gal), combined flow from EX-1 and EX-2

B: Volume of groundwater recovered and discharged for period (gal) (combined flow from EX-1 and EX-2)

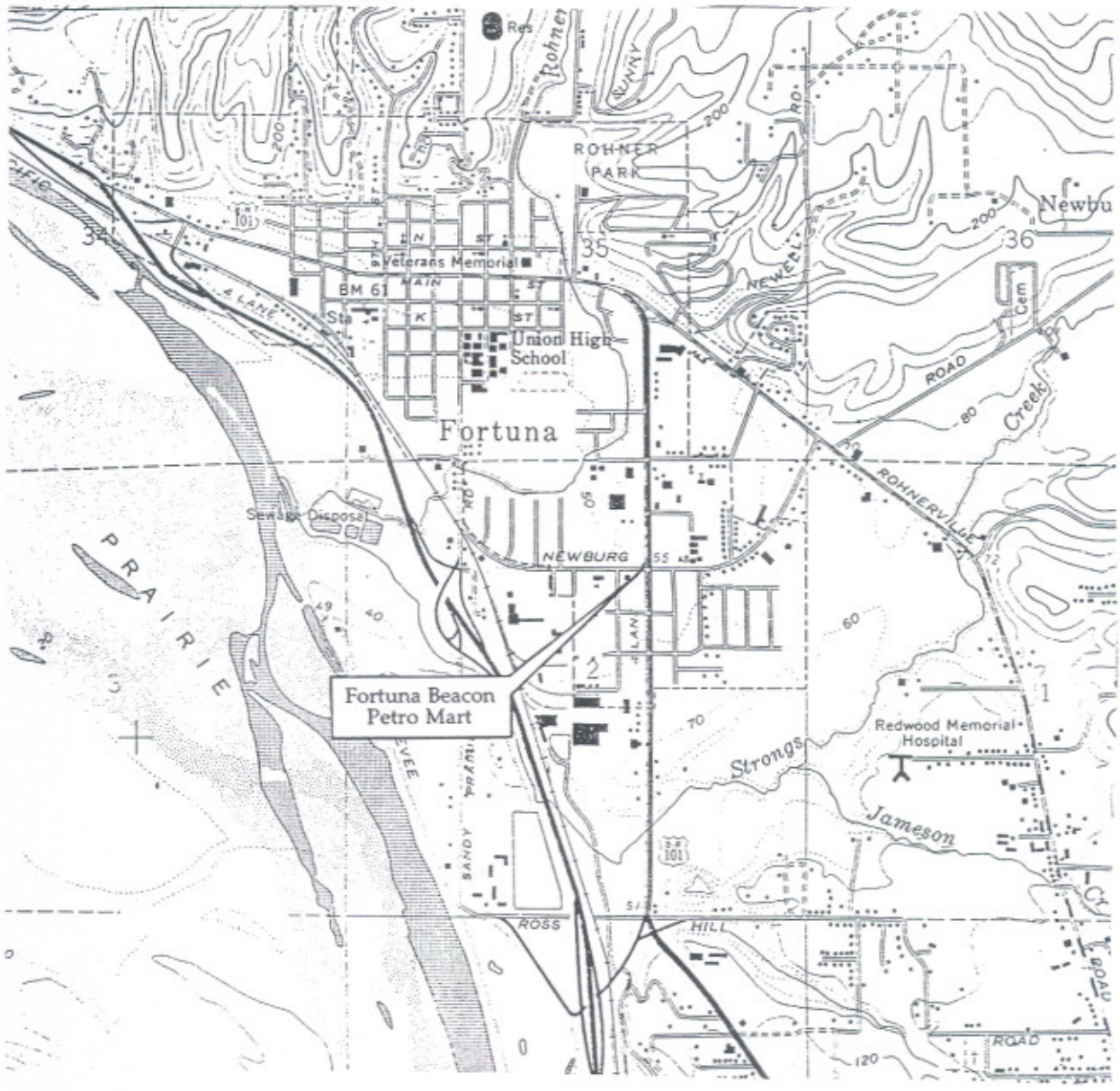
C: Conversion factor of 3.875 liter / 1 gal

D: Weigthed Avg TPH concentration (µg/L) of combined groundwater flow from EX-1 and EX-2
Previous measurements show that ratio of water production for EX-1 : EX-2 is ~ 2:1.
TPH concentrations from EX-2 are historically significantly higher than EX-1.
For the sake of being consevative so as not to over estimate TPH recovery, the Avg TPH concentration is calculated as a weighted average of 4 : 1 of EX-1 : EX-2 TPH concentrations.

E: Conversion factor of 1 lbs / 453,600,00 micrograms

F: TPH recovered for period (lbs) = B (gal) * C (L/gal) * D (µg/L) * E (lbs/µg)

G: TPH recovered for period (lbs) reounded to significant figures



SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 40 FEET

N

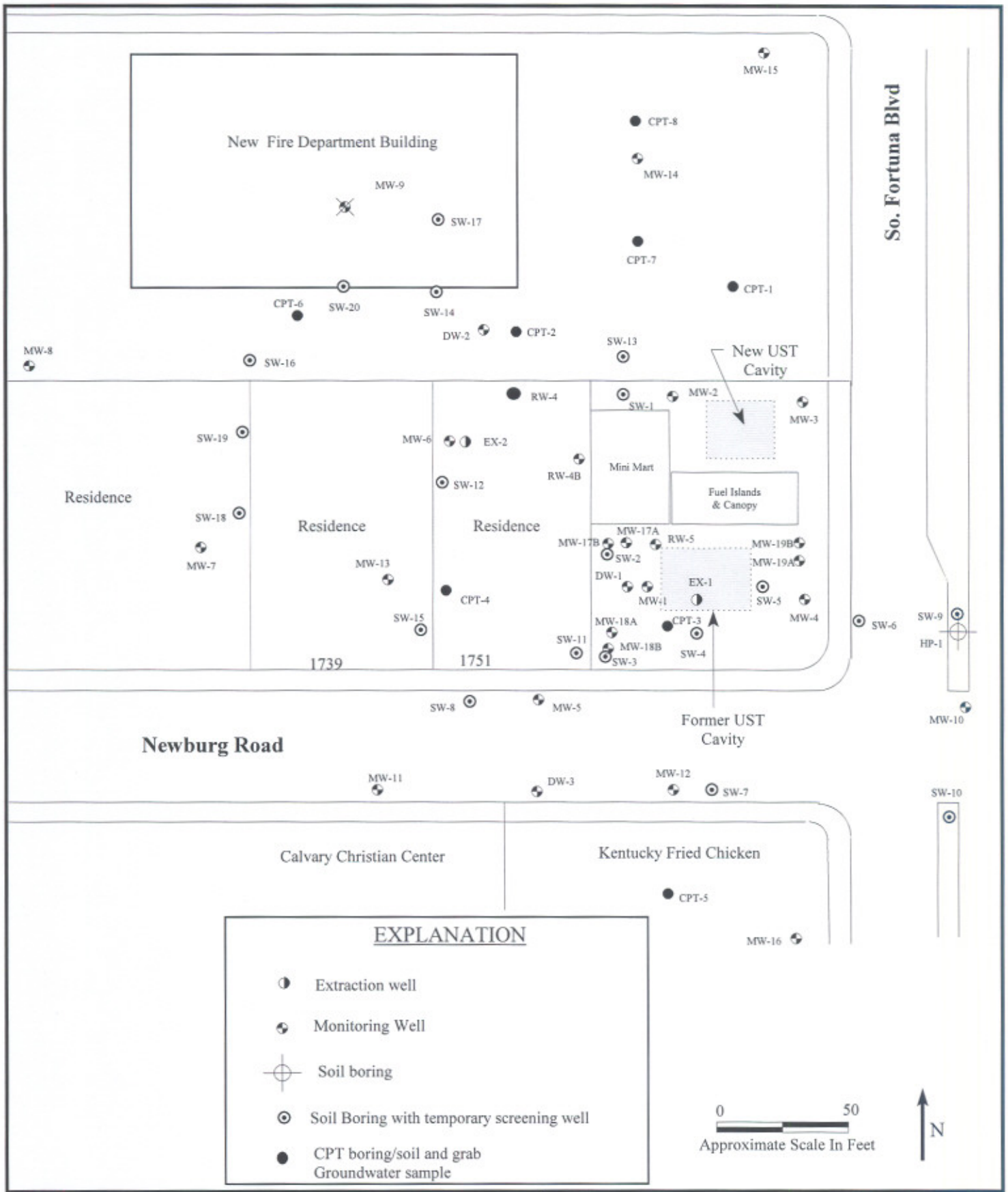
MAP SOURCE: USGS Fortuna Quadrangle

Site Location Map

Fortuna Beacon Petro Mart
390 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Date	Figure
FNC-3	7/04	1

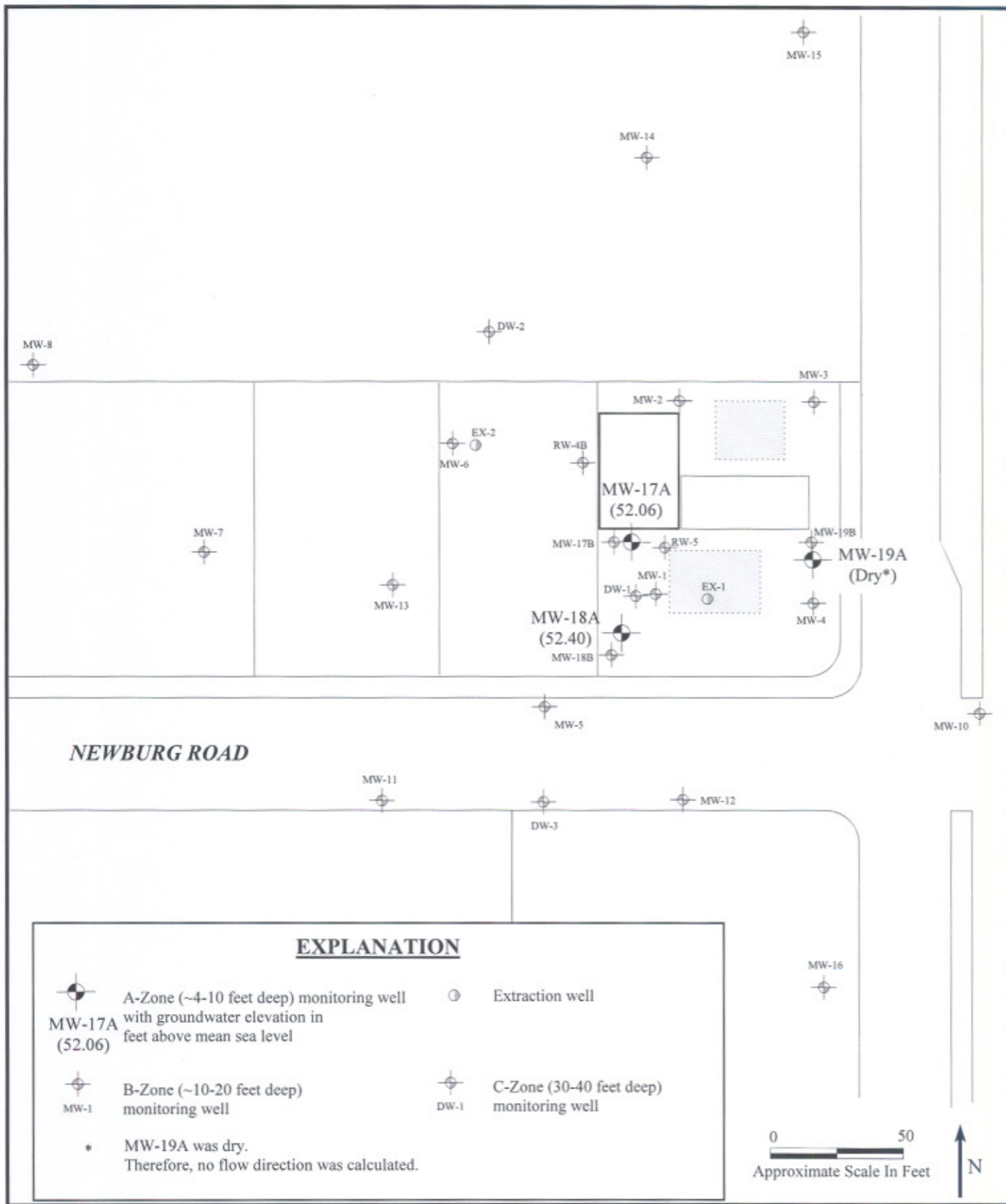


Site Plan

Fortuna Beacon Petro Mart
390 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

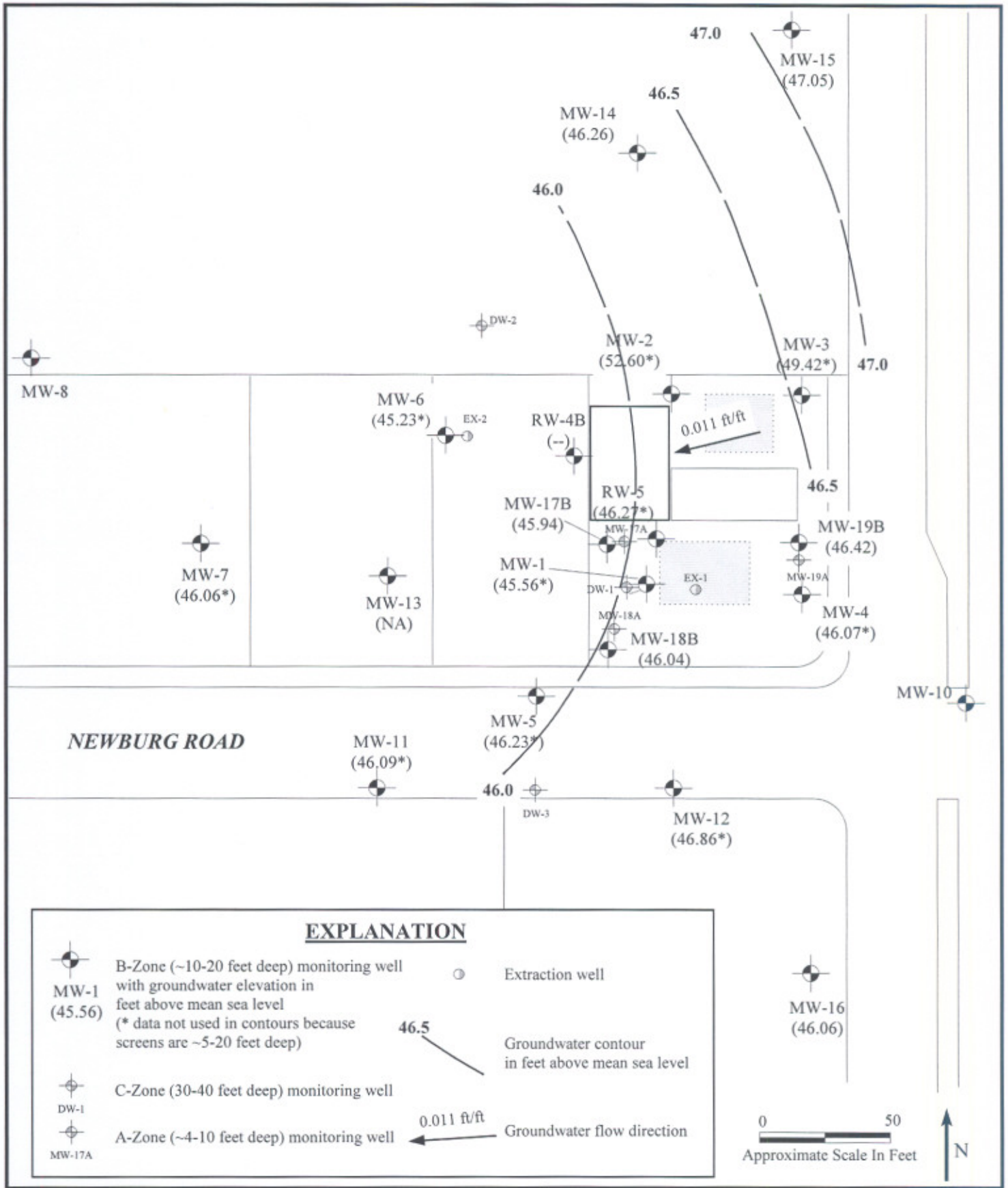
Project No.	Report Date	Figure
FNC-3	7/06	2



Groundwater Elevations
A-Zone Wells 6/13/06
Fortuna Beacon Petro Mart
390 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

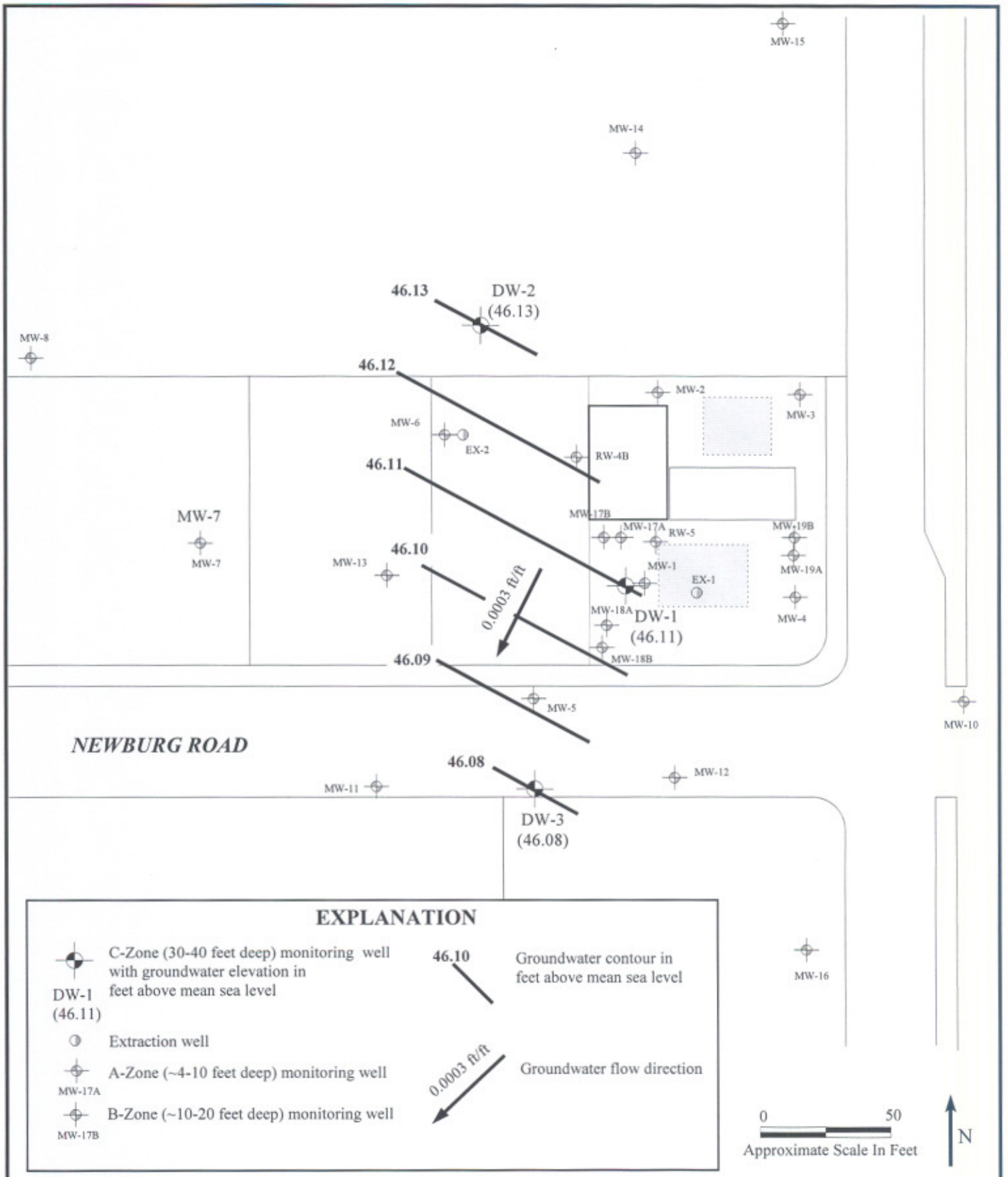
Project No.	Report Date	Figure
FNC-3	7/06	3a



Groundwater Elevations and Gradient Map
B-Zone Wells 6/13/06
Fortuna Beacon Petro Mart
390 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

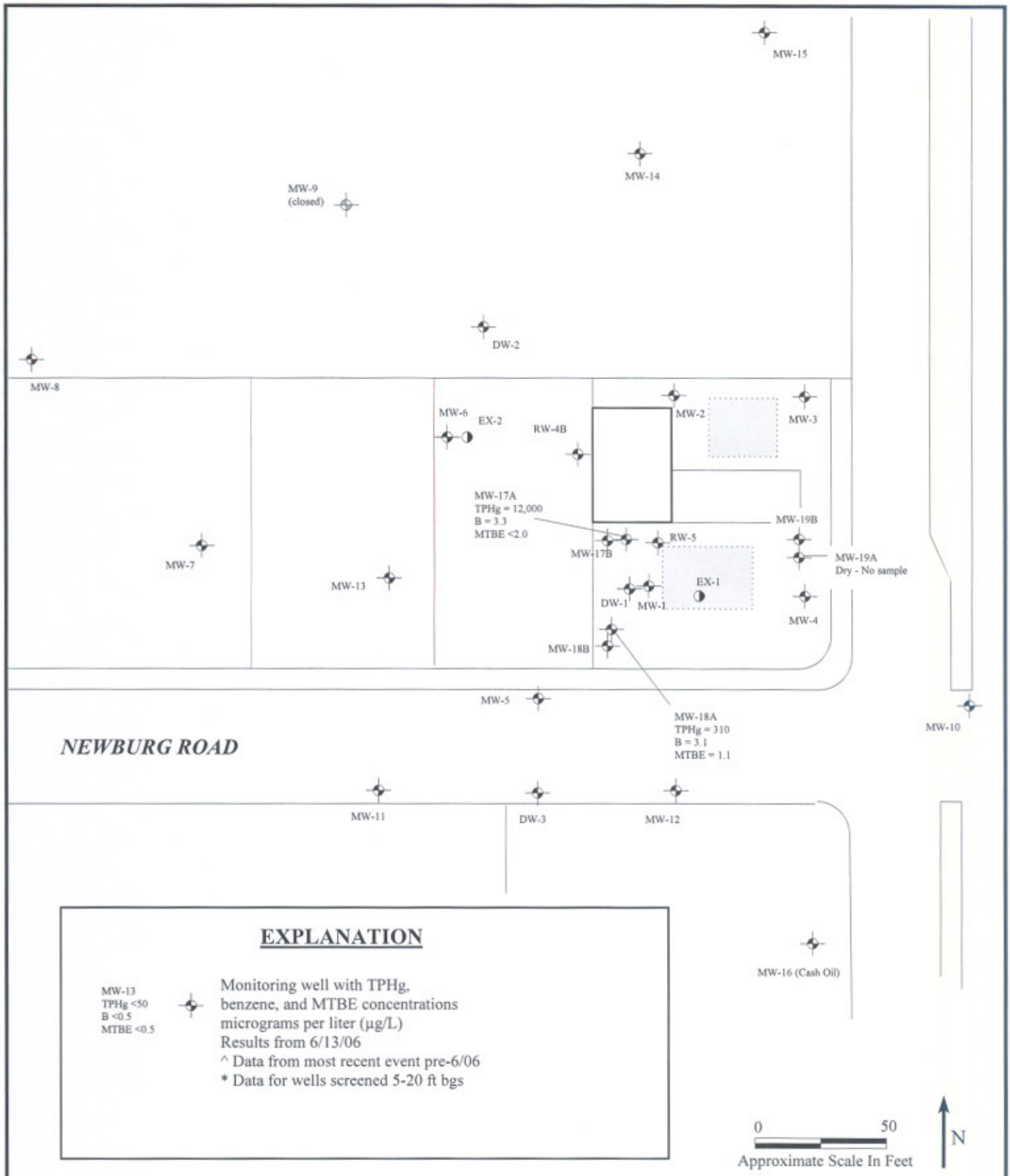
Project No.	Report Date	Figure
FNC-3	7/06	3b



Groundwater Elevations and Gradient Map
C-Zone Wells 6/13/06
Fortuna Beacon Petro Mart
390 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Report Date	Figure
FNC-3	7/06	3c



EXPLANATION

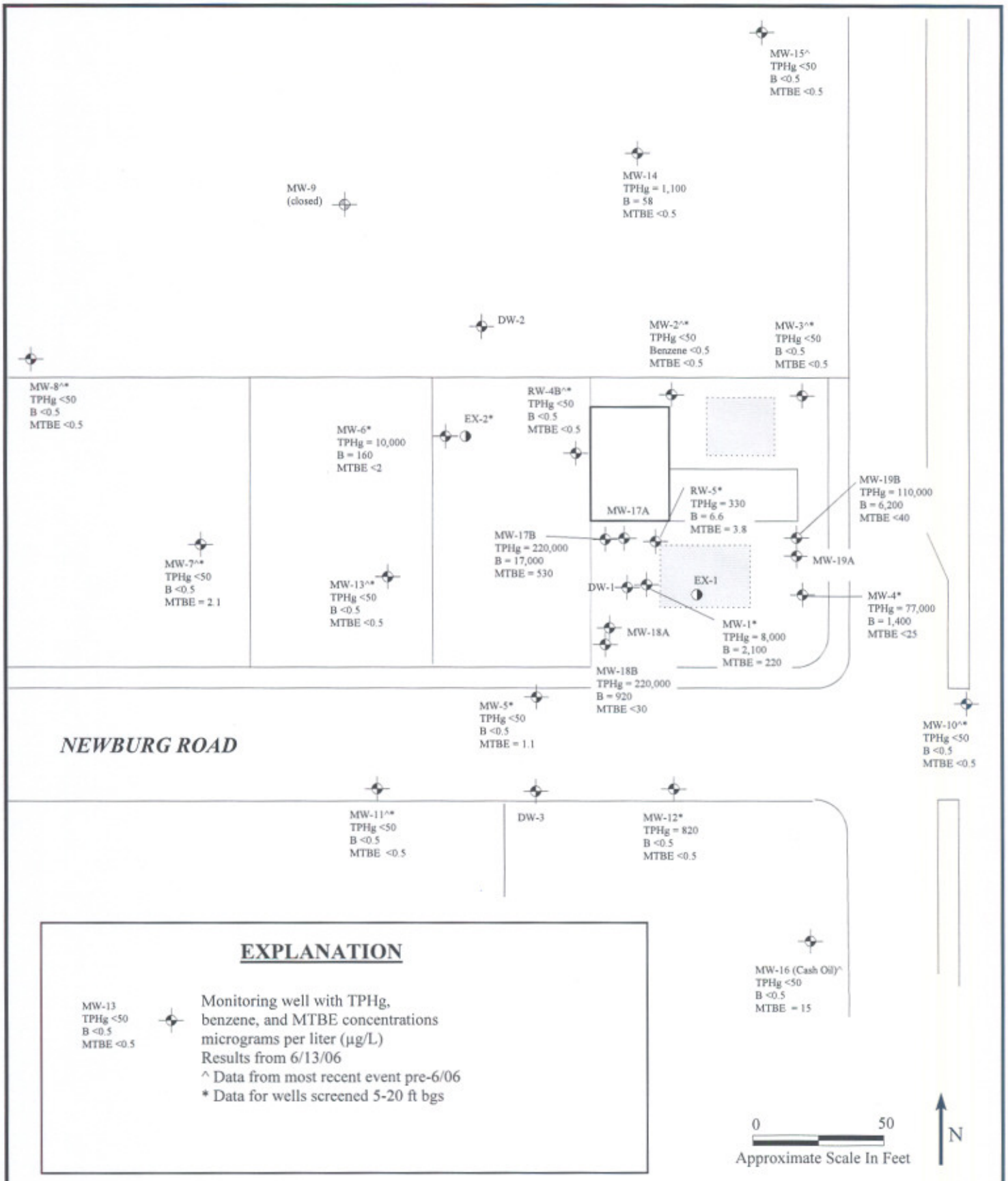
MW-13
TPHg <50
B <0.5
MTBE <0.5

Monitoring well with TPHg, benzene, and MTBE concentrations micrograms per liter (µg/L)
Results from 6/13/06
^ Data from most recent event pre-6/06
* Data for wells screened 5-20 ft bgs

Groundwater Sample Data - A-Zone (~4-10 ft bgs)
6/13/06
Fortuna Beacon Petro Mart
390 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

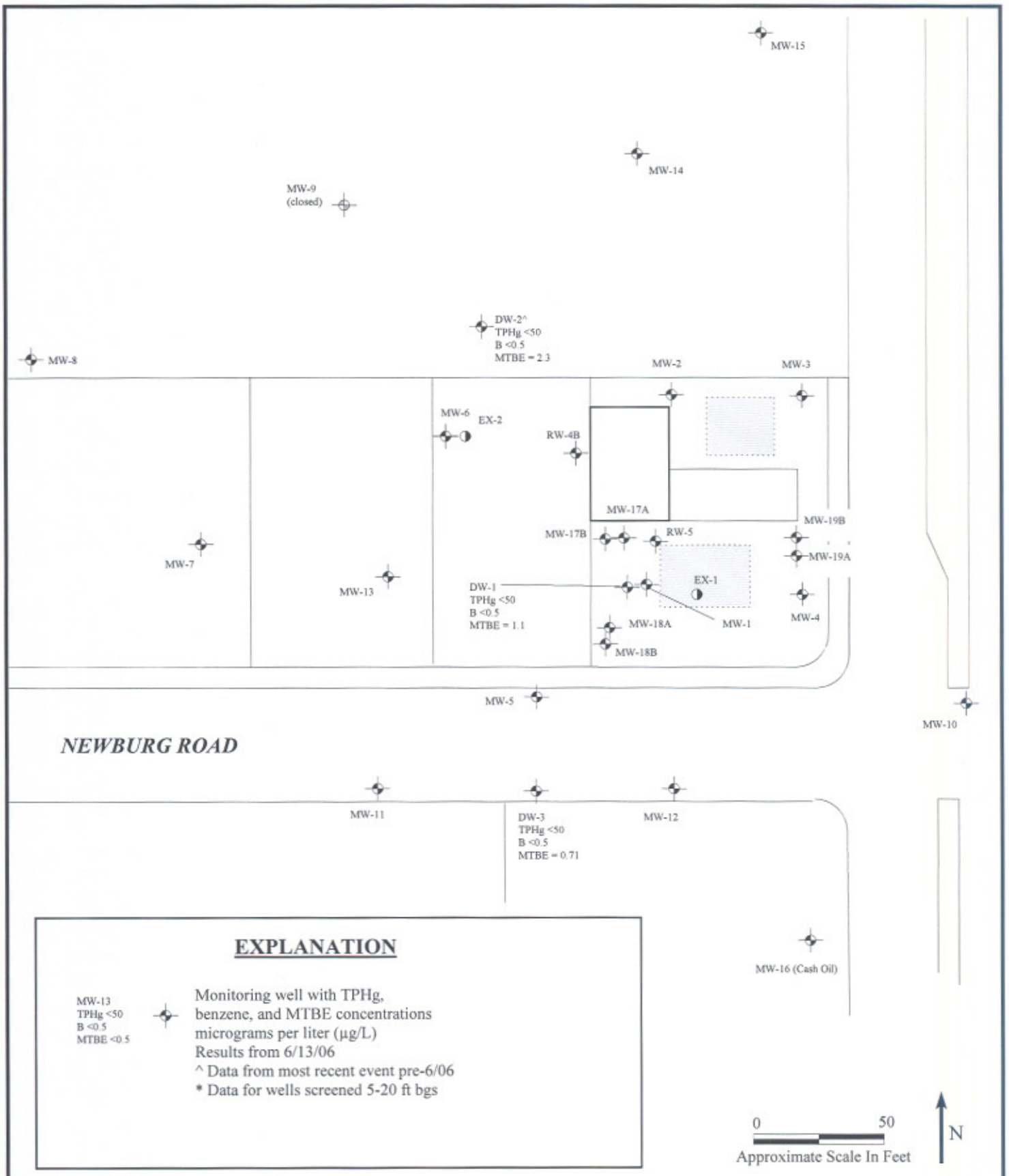
Project No.	Report Date	Figure
FNC-3	7/06	4a



Groundwater Sample Data - B-Zone (~10-20 ft bgs)
6/13/06
Fortuna Beacon Petro Mart
390 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

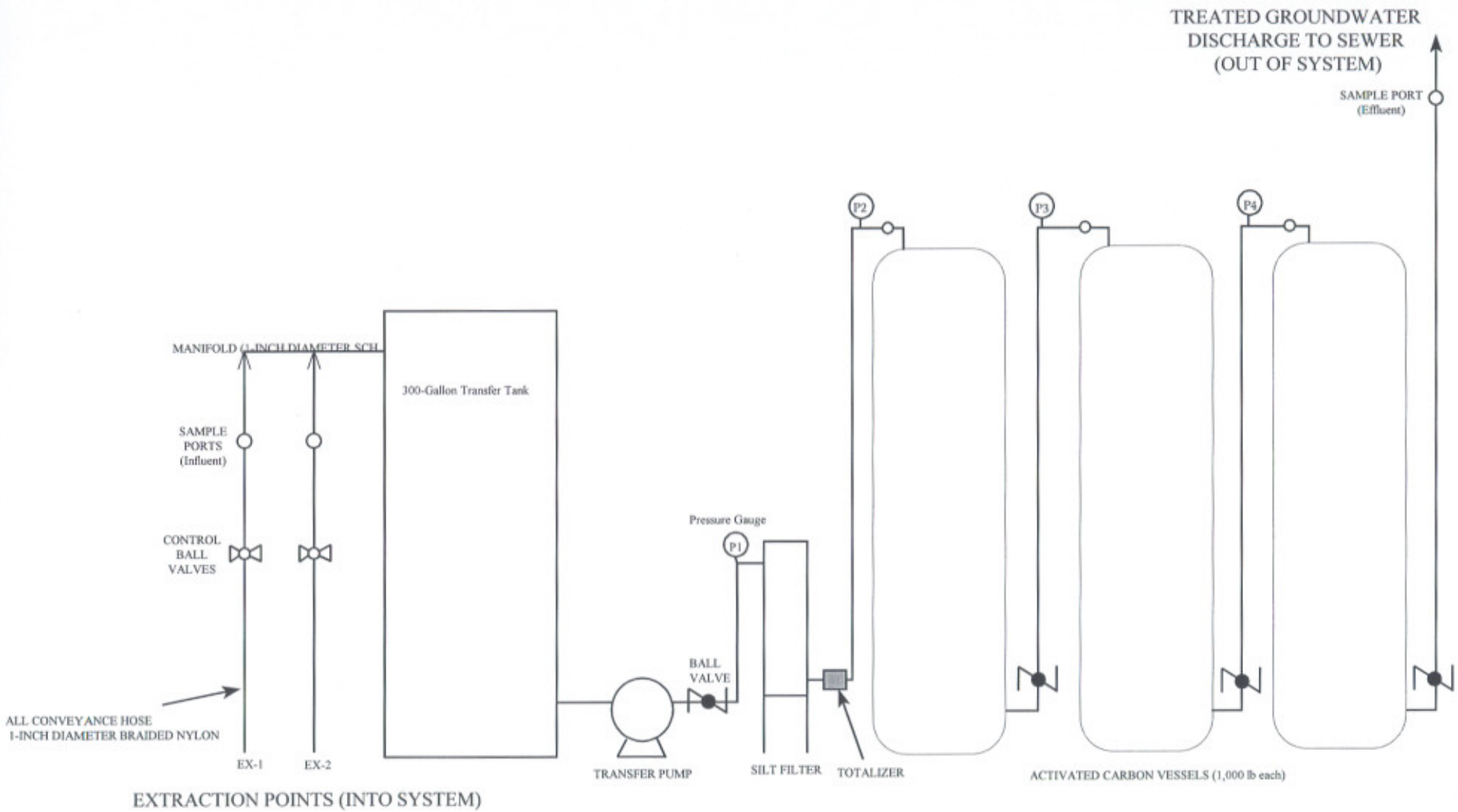
Project No.	Report Date	Figure
FNC-3	7/06	4b



Groundwater Sample Data - C-Zone (~30-40 ft bgs)
6/13/06
Fortuna Beacon Petro Mart
390 South Fortuna Boulevard
Fortuna, California

BLUE ROCK ENVIRONMENTAL, INC.

Project No.	Report Date	Figure
FNC-3	7/06	4c



Groundwater Extraction System Schematic
Former Beacon Petro Mart
390 South Fortuna Boulevard
Fotuna, California

BLUE ROCK
ENVIRONMENTAL, INC.

Project No.	Report Date	Figure
FNC-3	7/06	5

DAILY FIELD REPORT

PAGE _____ OF _____

Project Number: FNC-3 **Date:** 6/13/06

Site Name: Fortuna Beacon **Field Personnel:** James Linderman

Site Address: 390 S. Fortuna Blvd. Fortuna **Proj. Manager** Scott Ferriman

Scope of work 2QT06 GWS

Drum Inventory Soil: Water: Free product:

Time	Description of Activities
	Leave office
	Arrive onsite

Additional Comments:

GAGING DATA/PURGE CALCULATIONS

Job No.: FNC-3 **Location:** 390 S. Fortuna Blvd. **Date:** 6/13/06 **Tech(s):** JL

WELL NO.	DIA. (in.)	DTB (ft.)	DTW (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPH (ft.)	NOTES
– MW-1	4	19.23	12.21	7.02	4.56	13.68	sheen	
MW-2		19.76	6.19					
MW-3		19.62	9.20					
– MW-4		19.82	12.11	7.71	5.02	15.06	sheen	
– MW-5		19.59	10.32	9.27	6.02	18.06	0	
– MW-6		20.00	9.97	10.03	6.01	18.03	sheen	
MW-7		19.88	9.16					
MW-11		19.79	10.15					
– MW-12		20.00	10.04	9.96	6.47	19.41	0	
MW-13	↓	19.47						vehicle over well no data taken
– MW-14	2	21.18	10.26	10.92	1.74	5.22	0	
MW-15		18.61	10.33					
MW-16		19.52	11.50					
– DW-1		39.77	11.70	28.07	4.49	13.47	0	
DW-2		39.30	9.86					
– DW-3	↓	37.50	10.37	27.13	4.34	13.02	0	
– RW-5	4	20.00	12.03	7.97	5.18	15.54	0	
– MW-17A	2	9.76	6.07	3.69	0.59	1.77	sheen	

Explanation:
DIA. = Well Diameter
DTB = Depth to Bottom
DTW = Depth to Water
ST = Saturated Thickness (DTB-DTW)
CV = Casing Volume (ST x cf)
PV = Purge Volume (standard 3 x CV, well development 10 x CV)
SPH = Thickness of Separate Phase Hydrocarbons

Conversion Factors (cf):
2 in. dia. well cf = 0.16 gal./ft.
4 in. dia. well cf = 0.65 gal./ft.
6 in. dia. well cf = 1.44 gal./ft.

BLUE ROCK ENVIRONMENTAL, INC.

GAGING DATA/PURGE CALCULATIONS

Job No.: FNC-3 **Location:** 390 S. Fortuna Blvd. **Date:** 6/13/06 **Tech(s):** JL

WELL NO.	DIA. (in.)	DTB (ft.)	DTW (ft.)	ST (ft.)	CV (gal.)	PV (gal.)	SPH (ft.)	NOTES
MW-17B	2	18.20	12.31	5.89	0.94	2.82	sheen	
MW-18A		9.77	4.99	4.78	0.76	2.28	0	
MW-18B		19.95	10.96	8.99	1.43	4.29	sheen	
MW-19A		9.74	Dry					Dry well no sample.
MW-19B		19.92	11.80	8.12	1.29	3.87	sheen	

Explanation:

DIA. = Well Diameter
DTB = Depth to Bottom
DTW = Depth to Water
ST = Saturated Thickness (DTB-DTW)
CV = Casing Volume (ST x cf)
PV = Purge Volume (standard 3 x CV, well development 10 x CV)
SPH = Thickness of Separate Phase Hydrocarbons

Conversion Factors (cf):

2 in. dia. well cf = 0.16 gal./ft.
4 in. dia. well cf = 0.65 gal./ft.
6 in. dia. well cf = 1.44 gal./ft.

BLUE ROCK ENVIRONMENTAL, INC.

PURGING DATA

Job No.: FNC-3 **Location:** 390 S Fortuna Blvd. **Date:** 6/13/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-1			---	---	---
Calc. purge volume	11:05	0.25	268	62.1	6.20
	11:10	6.50	274	61.7	6.23
13.68	11:15	13.65	well	dry @	7 gal.

Sample for: TPHg TPHd 8260 BTEX MTBE Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear/mod/mod/sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 11:20

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-4			---	---	---
Calc. purge volume	11:25	1.00	302	62.6	6.15
	11:30	5.00	298	62.0	6.18
15.06	11:35	10.00	well	dry @	8 gal.
	11:40	15.10			

Sample for: TPHg TPHd 8260 BTEX MTBE Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear/mod/poor/sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 11:45

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-5			---	---	---
Calc. purge volume	11:50	1.00	325	62.8	6.28
	11:55	6.00	330	62.0	6.37
18.06	12:00	12.00	321	61.6	6.42
	12:05	18.05	well dry @	13 gal.	

Sample for: TPHg TPHd 8260 BTEX MTBE Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear/mod/mod/no sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 12:10

PURGING DATA

Job No.: FNC-3 **Location:** 390 S. Fortuna Blvd. **Date:** 6/13/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-6			---	---	---
Calc. purge	8:45	1.00	211	62.6	6.33
volume	8:50	5.00	238	61.6	6.34
18.03	8:55	10.00	245	61.6	6.46
	9:00	18.00	well dry @ 10 gal		

COMMENTS: color, turbidity, recharge, sheen

clear / mod / mod / sheen / odor

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

Sampling Method: Dedicated / Disposable bailer

Sample at: 9:05 6/14

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-12			---	---	---
Calc. purge	9:45	1.00	123	64.0	6.17
volume	9:50	5.00	133	62.8	6.03
19.41	9:55	10.00	133	62.2	6.10
	10:00	20.00	well dry @ 12 gallons		

COMMENTS: color, turbidity, recharge, sheen

clear / mod / mod / no sheen / no odor

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

Sampling Method: Dedicated / Disposable bailer

Sample at: 10:05 6/14

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-14			---	---	---
Calc. purge	9:55	0.25	329	65.7	5.97
volume	10:00	2.50	378	63.8	6.09
5.22	10:05	5.25	380	63.3	6.16

COMMENTS: color, turbidity, recharge, sheen

clear / mod / mod / no sheen / odor

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

Sampling Method: Dedicated / Disposable bailer

Sample at: 10:10

PURGING DATA

Job No.: FNC-3 **Location:** 390 S. Fortuna Blvd **Date:** 6/13/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
DW-1			---	---	---
Calc. purge	10:45	0.25	252	62.5	6.55
volume	10:50	6.50	254	61.3	6.69
13.47	10:55	13.50	253	61.0	6.70

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear / mod / mod / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 11:00

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
DW-3			---	---	---
Calc. purge	8:25	0.25	246	62.5	6.77
volume	8:30	6.50	246	62.1	6.76
13.02	8:35	13.00	245	61.7	6.78

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear / low / good / no sheen / no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 8:40 6/14

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
RW-5			---	---	---
Calc. purge	10:25	0.25	217	62.5	6.08
volume	10:30	7.50	217	61.8	6.12
15.54	10:35	15.55	217	61.6	6.11

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen
clear / mod / mod / no sheen / odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 10:40

PURGING DATA

Job No.: FNC-3 **Location:** 390 S. Fortuna Blvd. **Date:** 6/13/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-17A			---	---	---
Calc. purge	12:15	0.25	151	65.4	6.09
volume	12:20	1.00	154	64.0	6.13
1.77	12:25	1.75	159	63.6	6.15

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

Clear/mod/mod/sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 12:30

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-17B			---	---	---
Calc. purge	12:35	0.25	161	62.8	6.11
volume	12:40	1.50	254	61.4	6.29
2.82	12:45	2.85	255	61.1	6.39

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

Clear/heavy/mod/sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: ~~12:30~~ 12:50

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-18A			---	---	---
Calc. purge	12:55	0.25	280	65.4	6.73
volume	13:00	1.25	280	64.8	6.85
2.28	13:05	2.25	309	64.0	6.87

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

Clear/mod/mod/no sheen/no odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 13:10

PURGING DATA

Job No.: FNC-3 **Location:** 390 S. Fortuna Blvd. **Date:** 6/13/06 **Tech:** JL

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-18B			---	---	---
Calc. purge	13:15	0.25	274	62.4	6.54
volume	13:20	2.25	299	61.3	6.43
4.29	13:25	4.30	284	61.0	6.44

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear/mod/mod/sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 13:30

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-19A			---	---	---
Calc. purge					
volume		dry	well	no	sample
		taken			

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

Sampling Method: Dedicated / Disposable bailer

Sample at:

WELL No.	TIME	VOLUME (gal.)	COND. (mS/cm)	TEMP. (deg. F.)	pH
MW-19B			---	---	---
Calc. purge	8:00	0.25	235	60.7	6.41
volume	8:05	1.75	258	61.0	6.14
3.87	8:10	3.85	259	61.0	6.19

Sample for: ~~TPHg~~ TPHd 8260 ~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC bailer / Pump

COMMENTS: color, turbidity, recharge, sheen

clear/mod/mod/sheen/odor

Sampling Method: Dedicated / Disposable bailer

Sample at: 8:15 6/14

FNC-3
FORTUNA BEACON
REMEDIATION SYSTEM O&M FORM

DATE	4-3-06
TECH.	James Linderman

	ARRIVAL	DEPARTURE	
Time			
SYSTEM STATUS	on	Recharging	(On/Off/Recharging)
Totalizer Gallons Reading	313185 [0]	313224 [0]	gallons
Water Samples (EX-1 INF, EX-2 INF, EFF-Main)	yes		(Y/N)
EX-1 Status	on	on	(On/Off/Recharging)
EX-2 Status	on	on	(On/Off/Recharging)
EX-1 Pump Backpressure	19 psi		PSI
EX-2 Pump Backpressure	17 psi		PSI
Transfer Pump Backpressure	11 psi		PSI

	CHECKED	EMPTIED
Water Filter		

Carbon Vessel	PSI	Leaking (y/n)
#1	5 psi	no
#2	2 psi	no
#3	0 psi	no

Remarks: