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Hooshang Hadjian
2108 San Ramon Valley Blvd.
San Ramon, CA 94583

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California
ACHCSA Case No. 304

Dear Mr. Chan:

I, Mr. Hooshang Hadjian, have retained Pangea Environmental Services, Inc. (Pangea) as the environmental consultant for the project referenced above. Pangea is submitting the attached report on my behalf.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report is true and correct to the best of my knowledge.

Sincerely,

Hooshang Hadjian

June 23, 2014

VIA ALAMEDA COUNTY FTP SITE

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Conceptual Site Model**
Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California
ACEH Case No. 304

Dear Mr. Wickham:

On behalf of Mr. Hooshang Hadjian, Pangea Environmental Services, Inc. has prepared this *Conceptual Site Model* (CSM) in tabular format. The CSM in tabular format was requested by your letter dated August 9, 2013. The purpose of the CSM is to compile historical site data, assess the data, and evaluate site conditions for potential data gaps impeding site closure. The tabular CSM is presented in Table A. Figures, tables and appendices are attached.

Recent actions have addressed data gaps. In April and May 2014, Pangea completed a biosparging and bio-organic catalyst (BOC) injection pilot test to help determine if residual free product persists at the site, and if bioremediation techniques could accelerate attenuation of source area hydrocarbons. The pilot test results suggest that there is no significant free product trapped near wells MW-3A and MW-6A. The testing also demonstrated that biosparging could effectively increase dissolved oxygen concentrations. Naphthalene analysis has been performed during the last three monitoring events, finding naphthalene concentrations in wells MW-3A and MW-6A ranging from 25 to 660 micrograms per liter (µg/L). Pangea plans to collect samples from other nearby site wells for naphthalene analysis during the next regular groundwater monitoring event to delineate the extent of naphthalene in site groundwater.

Potential data gaps identified in Table A include soil gas assessment, lateral hydrocarbon delineation north of source area wells MW-3A and MW-6A, naphthalene delineation, and preferential pathway analysis. Pangea recommends drilling two confirmation borings to collect soil samples for comparison to direct contact criteria in the Regional Water Quality Control Board's (RWQCB's) Low Threat Closure Policy (LTCP). Additionally, Pangea also recommends installing soil gas probes within those borings to compare soil gas concentrations to LTCP criteria. During these boring activities additional borings could be installed to address remaining soil and groundwater delineation data gaps, if merited.

If you have any questions or comments, please call me at (510) 435-8664.

Sincerely,

Pangea Environmental Services, Inc.

Bob Clark-Riddell, P.E.
Principal Engineer

cc: Mr. Hooshang Hadjian, 2108 San Ramon Valley Blvd, San Ramon, CA 94583
Mr. Ellie Lange (electronic copy)
Mallik (electronic copy)
SWRCB Geotracker (electronic copy)

ATTACHMENTS

Table A – Conceptual Site Model

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TABLE A - CONCEPTUAL SITE MODEL

Site Address:	7240 Dublin Blvd.	**ACEH Case No.**	304	
City:	Dublin	**Regulator:**	Dilan Roe	
CSM Element	**CSM Sub-Element**	**Description**	**Data Gap**	**How to Address**
Introduction	Site Description	The Dublin Auto Wash retail gasoline station is located at the southwest corner of Dublin Boulevard and Village Parkway in Dublin, California (Figure 1). The Site elevation is approximately 321 feet above mean sea level (msl), with the topography sloping gently to the south from the central and western portions of the Site, toward a flood control channel. The natural topography slopes gently to the southeast on the eastern portion of the Site. Onsite facilities consist of two dispenser islands (four dispensers), three 10,000-gallon underground storage tanks (USTs), and a station building with a car wash (Figure 2). Land use immediately surrounding the Site is commercial, with residential land use further from the Site.	None	NA
	Nearby Sites	According to GeoTracker, there is one current UST site located near the site at 6973 Village Parkway (Corwood Carwash). There is one current dry cleaner site located approximately 300 ft east of the site at 7100 - 7120 Dublin Boulevard. There are two current "other cleanup sites" located west of the site at 7499 Dublin Boulevard and 7544 Dublin Boulevard/6707 Golden Gate Drive. These two sites are former automotive repair and sales facilities. There are several former or closed UST sites located within the vicinity of the site.	None	NA
Geology and Hydrogeology	Regional	The Site is situated within the Coastal Range geomorphic province in California. The Coast Ranges are northwest-trending mountain ranges (2,000 to 4,000, occasionally 6,000 feet elevation above sea level), and valleys. The ranges and valleys trend northwest, subparallel to the San Andreas Fault. Strata dip beneath alluvium of	None - See Pangea's *Soil and Water Investigation Workplan* dated	NA

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		the Great Valley. The Pacific Ocean is to the west. The northern portion of the Calaveras Fault is located approximately 4,000 to 5,000 ft west of the site. According to the map of groundwater basins and subbasins of California, the Site is located in the Livermore Valley Groundwater Basin. The entire floor of Livermore Valley and portions of the upland areas on all sides of the valley overly groundwater-bearing materials. The materials are continental deposits from alluvial fans, outwash plains, and lakes. They include valley-fill materials, the Livermore Formation, and the Tassajara Formation. The valley-fill materials are a few tens of feet to nearly 400 feet thick. They are stream channel deposits, alluvium, alluvial fan deposits, and terrace deposits, and consist of unconsolidated sand, gravel, silt, and clay. In the central and southern portions of the valley, 50 to 80 percent of the valley-fill is comprised of aquifer material that yields significant quantities of water to wells. Clay deposits up to 40 feet thick cap the valley-fill in the western part of the Basin; where deep wells draw groundwater from underlying aquifer material. The Site is located in the western part of the basin.	February 5, 2005 for more in depth geologic information.	

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	Local	**Geology**: The Site is underlain by undivided Holocene and Pleistocene deposits. The basin deposits consist of very fine silty clay to clay deposits occupying flat-floored basins at the distal edge of alluvial fans. Subsurface soil encountered onsite has consisted primarily of clay, silty clay and clayey sand. Throughout much of the site, saturated-zone soil is primarily clay down to approximately 15 ft bgs, although sporadic thin seams of coarser material are also present. A water-bearing unit comprised of clayey sand and sandy clay is present at approximately 15 to 18 ft bgs and appears to be laterally persistent throughout most of the site. This is referred to as the shallow 'A' zone. Beneath approximately 18 ft bgs, soil is primarily clay until a depth of approximately 26 ft bgs, where water-bearing units of sandy clay and clayey sand interbedded with layers of clay are present to a depth of approximately 30 ft bgs (the 'B' zone). Beneath approximately 30 ft bgs soil is again primarily clay to approximately 34 ft bgs. At approximately 34 ft bgs clayey sand, sandy clay, and clay with sand is encountered interbedded with layers of clay to a total explored depth of approximately 49 ft bgs. The 'C' zone is present between 34 and 45 ft bgs. Boring logs and well construction details are presented in Appendix A. The site well construction details table is included in Appendix B. Site geology is also shown on Figures 9 through 12. **Hydrogeology**: Groundwater has been encountered between 12 to 19 ft bgs during well installation and soil borings. Depth to groundwater in monitoring wells has ranged from 7.2 to 13.2 ft.	None - Soil logged to 49 ft bgs (SB-1).	NA

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	Surface Water	Pangea reviewed the USGS topographic maps for the Site vicinity and conducted a Site reconnaissance visit to identify surface water bodies in the Site vicinity. A flood control channel is located immediately west of the Site and flows to the southeast (Figure 2). The flood channel is unlined (earthen) except in areas adjacent to bridges crossing the channel. The elevation of the channel is approximately 10 feet lower than the Site surface elevation. Another flood control channel is located approximately 700 feet east of the Site and flows to the southwest where it has a confluence with the stream adjacent to the Site. A channelized stream, Dublin Creek, is located approximately 1600 feet southwest of the Site and flows to the east where it has a confluence with the stream adjacent to the Site. Wells adjacent to the flood control channel suggest that there is no chemical impact near the channel.	None	NA
Groundwater Flow	Vertical Gradient	A comparison of clustered well pairs screened at different well depths indicates that a consistent *upward* gradient has been present between shallow and intermediate depth water-bearing zones. A greater upward gradient is present north of the dispenser islands, while a much smaller upward gradient is observed southwest of the dispenser islands. A downward gradient appears to be present between upper shallow AA-zone vapor wells (VW-1, VW-2, and VW-3) and the shallow A-zone monitoring wells; this may be due to perched groundwater. No current chemical impact in deeper water-bearing zones.	None	NA

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	Horizontal Gradient	Groundwater flow at the site is complex due to combined effects of an upward gradient, the nearby creek/flood control channel, seasonal fluctuations in flow direction, and likely influence of the city sewer line located beneath Dublin Boulevard. North of the site (offsite) the groundwater flow direction has consistently ranged from *southerly* to *easterly*. Onsite groundwater flow has ranged from *northwesterly* to *southeasterly*, with consistent convergence occurring near source area wells and Dublin Boulevard. The inferred groundwater flow direction at this site is potentially suspect because groundwater is very slow to equilibrate to atmospheric conditions when the caps are removed. To address this issue during the first quarter 2007 groundwater monitoring event Pangea removed well caps one day prior to measuring water levels to allow for groundwater equilibration. Well caps were removed one day prior to measuring water levels for each monitoring event through third quarter 2010, except for the first quarter 2009 event (due to rain). During those 13 monitoring events, shallow groundwater flow north of the site (*offsite*) was towards the southeast 11 times and the other two times flow was towards the east or south. Shallow *onsite* groundwater flow during those 13 monitoring events was towards the northwest 12 times. Pangea concludes that the groundwater flow direction inferred during these 13 monitoring events is more representative of site conditions than other monitoring events. The inferred flow direction during these monitoring events suggest that the dominant feature effecting groundwater flow is the sewer line beneath Dublin Blvd. The recent groundwater flow direction is shown on Figure 3. The groundwater gradient evaluation table and some example groundwater contour maps from 2008 and 2009 are included in Appendix B.	None	NA

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Contaminant Release and Environmental Work	Source/ Release Information	**Chevron Release – 1988 to 1996:** The first environmental investigation at the site was performed in early 1988 when Chevron Products Company (Chevron), the previous owner/operator, hired EA Engineering, Science, and Technology, Inc. (EA), to conduct a soil vapor investigation at the site. The results of the soil gas survey indicated elevated levels of hydrocarbons beneath the site, especially around the southern pump island. Subsequently, groundwater monitoring wells were installed and quarterly groundwater monitoring began. In February 1989, one 5,000-gallon and two 10,000-gallon underground storage tanks (USTs) were excavated and removed from the site and replaced with three new USTs. **New Release 1997:** In February 1997, a leak in a stainless steel product line flex hose was discovered and reported to ACEH. The leak location was immediately south of the north-westernmost dispenser (dispenser No. 2). During June 1997 testing, the secondary piping failed a pressure test. Subsequently, a new product delivery system was installed to replace the existing lines. During the system modifications in July 1997, Parker Environmental Services collected soil samples via hand auger at locations B-1 through B-4. About 31 cubic yards of soil were removed from the release area to a depth of 8 feet bgs.	None	NA
	Chemicals of Concern	The chemicals of concern (COC) is site soil and groundwater are the following petroleum hydrocarbons and gasoline oxygenates: total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, xylenes (BTEX); and methyl tert-butyl ether (MTBE).	None	NA

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Previous Environmental Work	Work Initiation	In 1988, the initial authorized release was reported at the site following EA's soil gas survey. In February 1997, a second separate fuel release was discovered and reported to ACEH, and the current case #304 was opened.		
	Soil & Groundwater Investigation Activities	Following the initial soil gas survey, groundwater monitoring wells were installed and quarterly groundwater monitoring began. Between 1994 and 1996, additional groundwater monitoring wells were installed and added to the quarterly monitoring program. A December 1996 Risk Based Corrective Action (RBCA) report concluded that the site is a "Low Risk" soil and groundwater petroleum release site. Following the second discovered fuel release, a new product delivery system was installed to replace the existing lines. During the system modifications in July 1997, Parker Environmental Services collected soil samples via hand auger at locations B-1 through B-4. About 31 cubic yards of soil were removed from the release area to a depth of 8 feet bgs. The results of subsequent groundwater monitoring events in December 1998 and March 1999 indicated free product was present in well MW-3. Gettler-Ryan, Inc. (GRI), a subcontractor of Chevron, monitored the eight existing groundwater monitoring wells at the site until the first quarter of 2003. In 2003, SOMA began performing groundwater monitoring at the site. OMA noted groundwater apparently flowed from offsite wells MW-4 and MW-5 toward the site in the approximate southeast direction, while groundwater at the eastern portion of the site apparently flowed in the northeast direction.	None	NA

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		SOMA believed the groundwater flow direction may have been affected by the 18" diameter vitrified clay pipe (VCP) sewer line running beneath the southern portion of Dublin Boulevard immediately north of the site. Information provided by Gettler-Ryan indicated that the top of the sanitary sewer line was approximately 16 feet below grade surface (bgs), while the depth to water in nearby wells MW-1 and MW-3 has ranged from approximately 11 to 13 ft bgs. In 2003, SOMA also conducted further characterization and remediation activities at the site. SOMA advanced seven shallow soil borings using hand augers (B-1 through B-8), nine soil borings using a Geoprobe™ direct push rig, and one soil boring using a drill rig equipped with hollow stem augers. Initially, the Geoprobe borings were intended to be used for cone penetrometer testing (CPT) to log the borings; however, due to subsurface conditions the borings were logged using electric conductivity sensors. The direct push borings included collection of discrete depth groundwater samples to assess the vertical extent of contamination. SOMA's investigation confirmed that contaminant concentrations were highest near the northern central portion of the site, and concluded that the 18" diameter sewer line located immediately north of the site is intercepting groundwater contamination. Fill material around the sewer line could be acting as a preferential pathway for the contamination conveyance to the east and then southeast, the sewer flow direction. SOMA also found contamination in deeper groundwater. SOMA concluded that there are three relatively higher permeability zones on the site acting as		

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		water bearing zones – Shallow (10 – 15 to 19 – 23 feet bgs), Middle (19 – 23 to 32 – 36 feet bgs), and Deep (32 – 36 to 43 – 47 feet bgs) – with an Upper Shallow zone (at approximately 2 to 6 feet bgs) noted in a few of the borings. In several locations, an insufficient amount of water was present in the potential water bearing zones, so no groundwater samples were obtained by SOMA. Since wells EA-1, EA-2, EA-3, and MW-1 are screened across the various water bearing zones at the site, SOMA recommended that these wells be destroyed to prevent them from acting as vertical conduits for the migration of the contaminants. SOMA also recommended that wells be installed in the Shallow, Middle, and Deep zones at the site to determine the groundwater flow directions in the various zones. In November 2004, Pangea Environmental Services, Inc. (Pangea) of Oakland, California, assumed the lead role as consultant. In February 2005, Pangea prepared a soil and groundwater investigation workplan, which included an evaluation of local and regional geology and hydrogeology, a review of soil and groundwater sampling data from the site (including detailed cross sections), a conduit study, and a sensitive receptor survey to assess potential impacts to wells and surface water bodies. During workplan implementation in March through May 2006, Pangea installed fourteen monitoring wells (MW-3A, MW-6A, MW-6B, MW-7AA, MW-7A, MW-7B, MW-7C, MW-8A, MW-9A, MW-9C, MW-10A, MW-10C and MW-11C) to help define the vertical and lateral extent of groundwater contamination. Pangea abandoned wells EA-1, EA-2, EA-3 and MW-3 to reduce the risk of vertical contaminant migration and improve the quality of		

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		monitoring data. Pangea drilled three soil borings (SB-1, SB-1A and SB-2) to help evaluate subsurface conditions downgradient of the 1997 release and north of the site, and the potential for contamination migration along the 18-inch sanitary sewer line in Dublin Boulevard. Soil borings SB-1 was located near the intersection of Dublin Boulevard and Village Parkway and boring SB-1A was located approximately 3 ft south of SB-1. Boring SB-2 was located near MW-7C in the southwestern portion of the property. Results are detailed in the August 11, 2006 Site Investigation Report prepared by Pangea. An ACEH letter dated November 9, 2007 approved discontinuance of groundwater monitoring of C-zone wells, because monitoring data suggested the C-zone was not impacted. In July 2009, Pangea installed two dual-phase extraction (DPE) wells to facilitate implementation of the approved DPE corrective action plan (CAP). Wells DPE-1 and DPE-2 were constructed of 4-inch diameter and screened from 9 to 14 feet bgs. Details of the DPE well installation are described in Pangea's *Remediation Well Installation Report* dated December 16, 2009. Historic soil and groundwater analytical results are summarized on Tables 1 and 2, respectively.		
	Remedial Activities	A soil vapor extraction system (SVE) was operated onsite, in conjunction with the original release, between March 1992 and April 1996. The SVE system removed approximately 15,000 pounds of hydrocarbons.	None	N/A

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		Approximately 31 cubic yards of soil were excavated in July 1997, following the discovery of the second release. In July 2006, Pangea conducted vacuum extraction from well MW-3A and MW-7AA using a vacuum truck. The vacuum extraction was conducted to provide cost-effective removal of source area material and additional information about subsurface conditions. The results of the vacuum extraction led Pangea to recommend conducting *short-term feasibility testing/source removal* on key site wells (MW-3A, MW-7AA, MW-7A, MW-6A) detailed in the August 11, 2006 *Site Investigation Report.* ACEH approved the proposed feasibility testing and requested a corrective action plan (CAP) in a letter dated November 9, 2007. In November 2007, Pangea conducted a five-day dual-phase extraction (DPE) test (and interim remediation event) to evaluate the effectiveness of DPE as remedial technique and to provide additional source removal. On December 9, 2008, Pangea submitted an *Interim Remediation Report and Corrective Action Plan* (CAP) describing DPE testing and proposing short-term dual phase extraction (DPE) as the most appropriate and cost-effective technique for site remediation. In a letter dated January 16, 2009, ACEH approved short-term DPE for additional source removal to help facilitate case closure. To remediate the small localized impact area, DPE was conducted between September 15, 2010 and November 15, 2010 until low contaminant removal rates were observed. The DPE system operated for a total of about 1,189 hours (approximately 50 days). Laboratory analytical data indicates that the system removed a total of		

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		approximately 443 lbs TPHg and 3.8 lbs benzene in vapor phase, and 0.4 lbs TPHg, 0.01 lbs benzene and 0.25 lbs MTBE in aqueous phase. The DPE system was shutdown on November 15, 2010 due to low contaminant removal rates, the small localized extent of site contamination, the commencement of the winter rainy season, and cost control. System operation and performance data is summarized on Tables 3 and 4. On April 3, 2014, Pangea conducted pilot testing of enhanced bioremediation to help determine if residual free product persists at the site, and if bioremediation techniques could accelerate attenuation of source area hydrocarbons. The test involved injection of bio-organic catalyst (BOC), water, and air into the hydrocarbon secondary source area, followed by extraction of groundwater from select site wells. Air sparging successfully increased dissolved oxygen (DO) concentrations in source area wells MW-3A and MW-6A. BOC injection did not increase hydrocarbon concentrations within source area wells MW-3A and MW-6A or increase hydrocarbon recovery rates from these wells (during groundwater extraction). This suggests that there is no significant mass of residual free product at the site.		
Characterization of Contaminant Extent and Stability	Free Product	Separate phase hydrocarbons or free product has been observed onsite in destroyed well MW-3 at a maximum measured thickness of 1.29 ft (2/21/05) and in replacement well MW-3A at a maximum measured thickness of 0.03 ft (5/29/06). Free product has not been observed onsite since May 2006. April 2014 pilot test results suggest that there is no significant mass of residual free product at the site.	None	Consider borings (along with other possible borings) to confirm no SPH. Could use Laser Induced Florescence (LIF)/Ultra Violet Optical Screening Tool (UVOST) assessment techniques.

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	Soil Contamination	Table 1 presents historic soil data for onsite and offsite soil borings/monitoring wells. Elevated contaminant concentrations were detected west of the dispenser island. Historic hydrocarbon concentrations in soil from select borings located near the northern dispenser island exceed the LTCP criteria for direct exposure. Boring B-1 (1997) at 9 ft depth contained 13 mg/Kg benzene, B-2 (2003) at 4 ft contained 12 mg/Kg benzene and 240 mg/Kg ethylbenzene, boring B-7 (2003) at 4 ft depth contained 170 mg/Kg ethylbenzene (Figure 2). There is also no naphthalene data for site soil to compare to LTCP criteria.	Evaluation of LTCP criteria for direct exposure and lateral delineation north of wells MW-3A and MW-6A.	Consider shallow soil borings to evaluate data gap.
	Groundwater Contamination	**Shallow Groundwater:** The current lateral extent of TPHg and benzene are shown on Figures 4 and 5, respectively. The downgradient extent of hydrocarbons is well defined by wells MW-2 and MW-10A. Furthermore, the up/crossgradient extent is well defined by wells MW-1 and MW-9A. The lateral extent of shallow groundwater contamination is not delineated north of wells MW-3A and MW-6A. Concentration trends of key site wells are graphed on Figures 6 through 8. **Vertical Assessment:** Installation of the C-zone wells (MW-6C, MW-7C, and MW-9C) provided vertical delineation of groundwater contamination. The historic and current vertical extent of contaminants are illustrated on Figures 9 through 12, cross-sectional representations of onsite and offsite conditions.	No lateral delineation of shallow groundwater north of wells MW-3A and MW-6A.	Consider borings to address this data gap.
	Soil Vapor Contamination	No soil gas sampling has been performed onsite.	No soil gas sampling has been performed. Only limited soil gas impact	Property owner considering sale for site redevelopment. Consider a soil gas survey to evaluate

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			suspected near station building.	potential future vapor intrusion concerns.
Assessment of Contaminant Impact on Public Health & Environment	Well Survey	A well survey was conducted at the site in 2005 and was reported in detail in Pangea's *Soil and Water Investigation Workplan* dated February 20, 2005. The data provided by DWR indicated that forty existing well sites are located within approximately 8,000 feet of the Site, as summarized on Table 5. Twelve of the forty well sites identified by the DWR are located within 2,000 ft of the Site, and are shown on Figure 13. Three of the twelve wells are non-monitoring wells; one well is a municipal well owned by the Dublin-San Ramon Valley Community Services District, the second is a test well owned by the Alameda County Flood Control Agency, and the third is a cathode protection well owned by the Livermore –Amador Valley Management Agency; they are located approximately 500 feet east, 1,000 feet north-northeast, and 1,900 feet south-southwest, respectively, of the Site. These wells are installed to total depth of 500, 112, and 210 feet, respectively. These wells are identified as numbers 2, 3, and 9 on Figure 13. The groundwater flow direction at the Site has been determined to be southeast and northwest; therefore, the identified municipal well is not expected to be impacted by the Site.	None	NA
	Buried Conduits	In 2003, SOMA Environmental performed a preferential pathway analysis; the findings were reported in SOMA's *Soil and Groundwater Investigation* dated June 3, 2003. SOMA identified an 18-inch diameter vitrified clay pipe (VCP) sewer line just north of the site along Dublin Boulevard. The sewer line has an approximate depth of 16 to 17 ft bgs. VCP utilities are typically surrounded with coarse-grained materials and that due to the depth of the utility the sewer line may be acting as a preferential path for contaminant	Conduit study complete, but limited evaluation of migration potential performed. Limited residual	Consider borings along sewer or other investigation techniques.

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		migration as depth-to-water onsite has ranged from 7 to 13 ft bgs. The utility location map is included in Appendix C. Boring SB-1 was completed in 2006 to evaluate this conduit as a potential migration pathway, and did not find significant impact (Figure 2).	impact detected near wells MW-3A and MW-6A during recent pilot test.	
	Remediation Status	An enhanced bioremediation pilot test was conducted in April 2014. The pilot test indicated that key site wells MW-3A and MW-6A are conducive to biosparging. Brief testing in these two wells increased dissolved oxygen concentrations significantly. Bio-organic catalyst (BOC) injection and subsequent groundwater monitoring did not increase contaminant concentrations in key wells MW-3A and MW-6A. These results suggest that longer term biosparging would help increase dissolved oxygen concentrations potentially increasing the rate of natural attenuation of site contaminants.	?	Consider biosparging if remediation merited to reduce potential for migration along preferential pathway (sewer).

2/17/2005

SOURCE: TOPO! MAPS

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

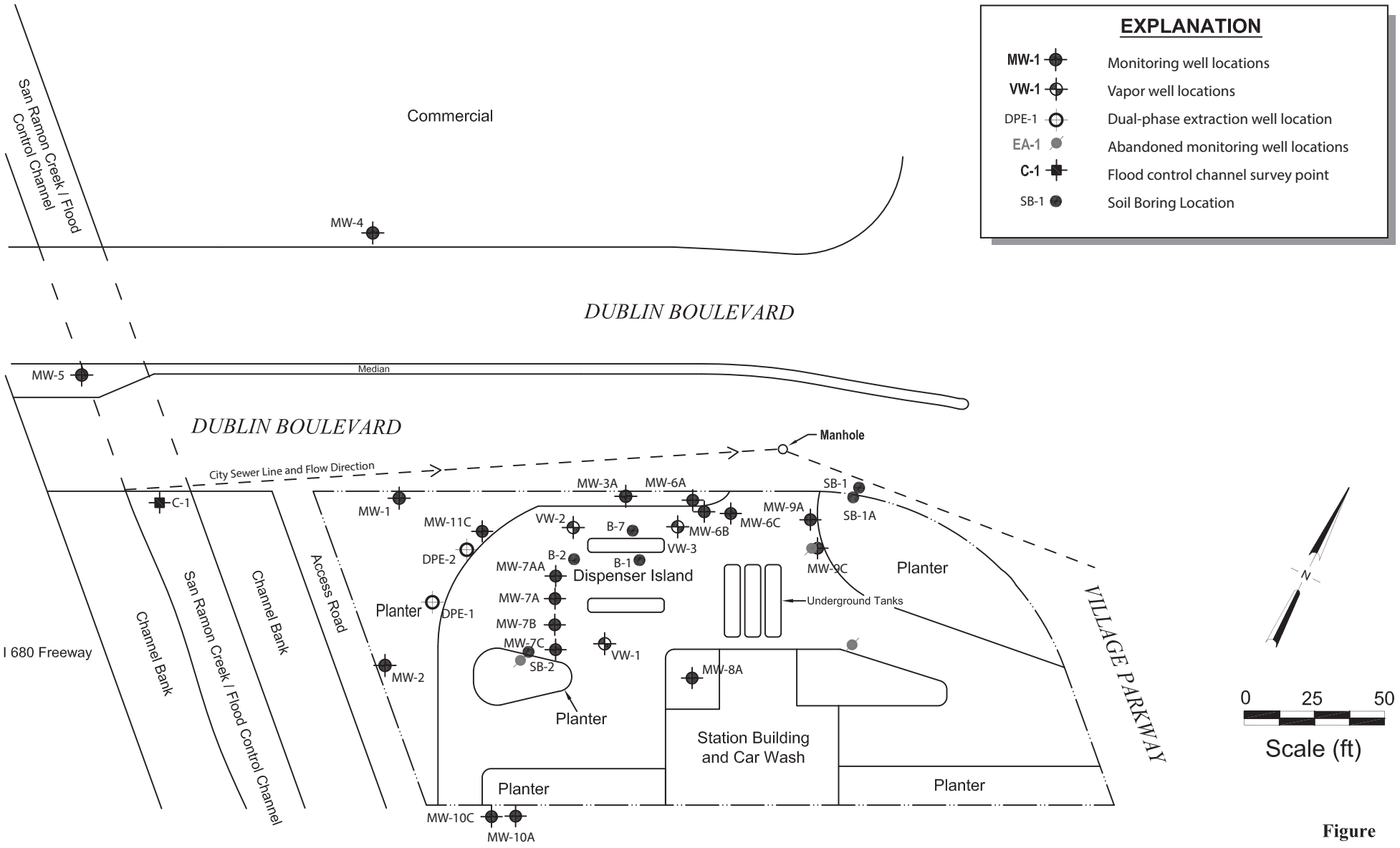
Figure 1

Dublin Auto Wash

7240 Dublin Boulevard
Dublin, California

PANGEA

Site Location Map



Figure

2

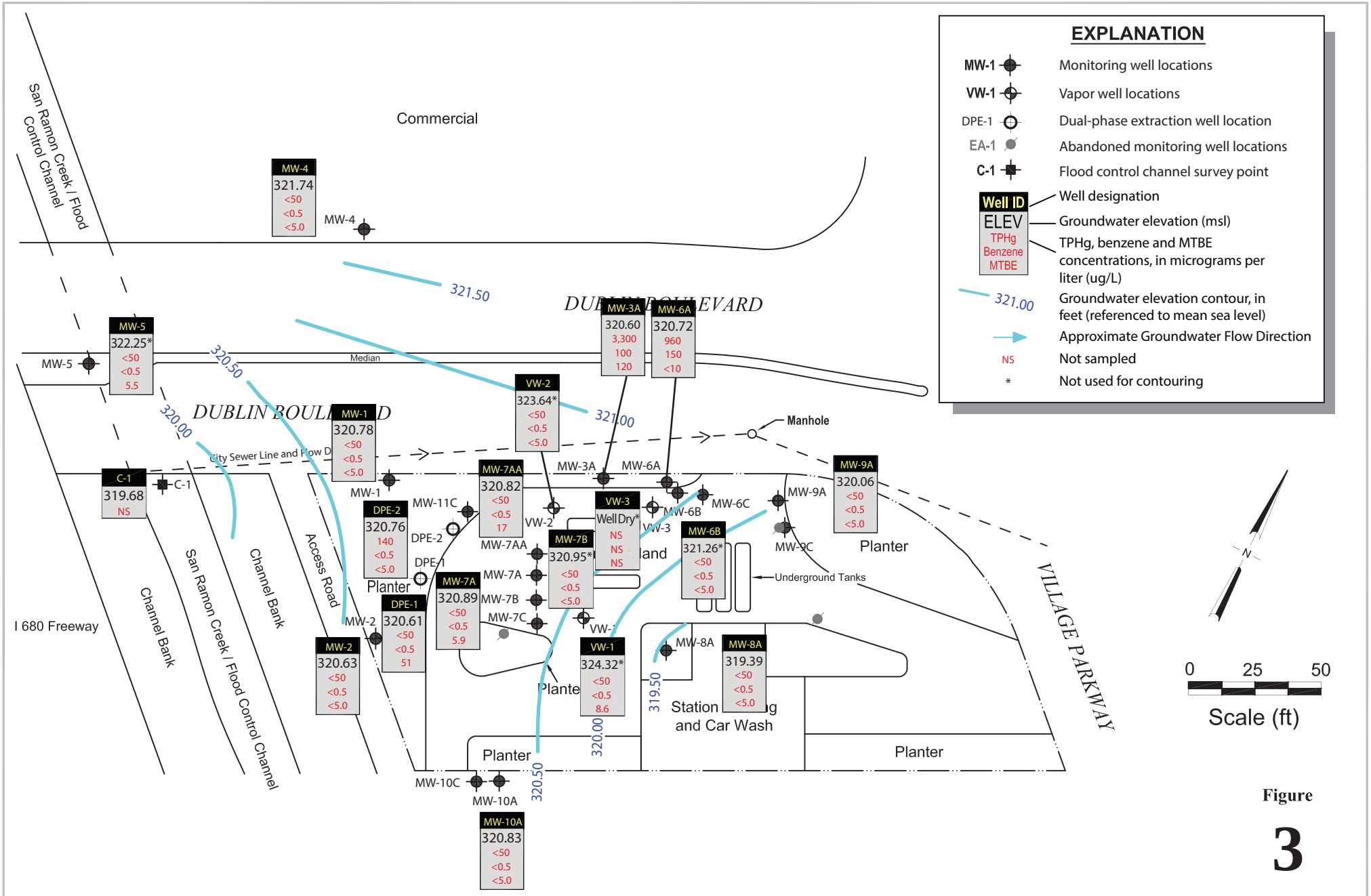
Dublin Auto Wash

7240 Dublin Boulevard

Dublin, California

PANGEA

Site Map



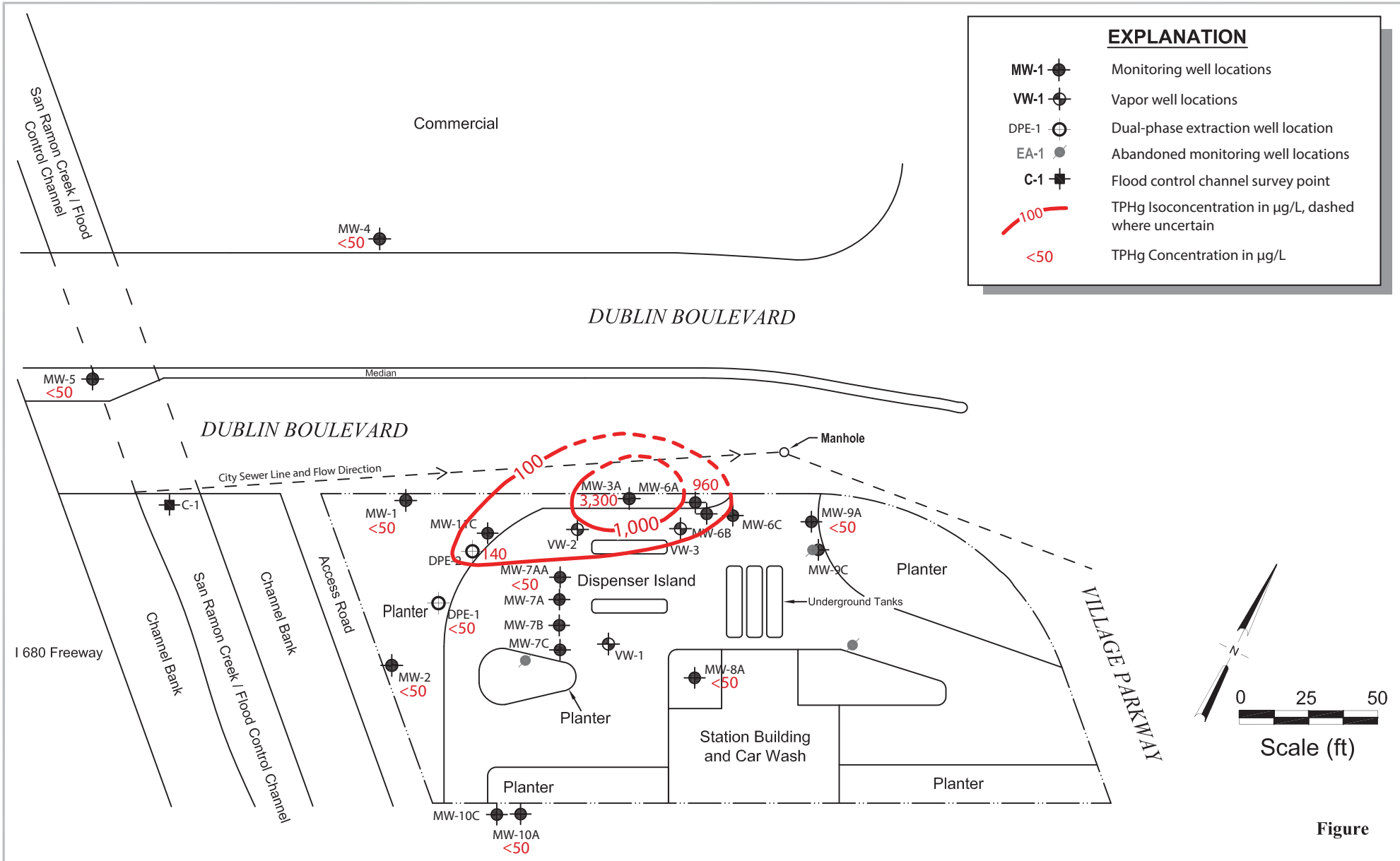
Figure

3

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Groundwater Elevation Contour and Hydrocarbon Concentration Map
April 24, 2014



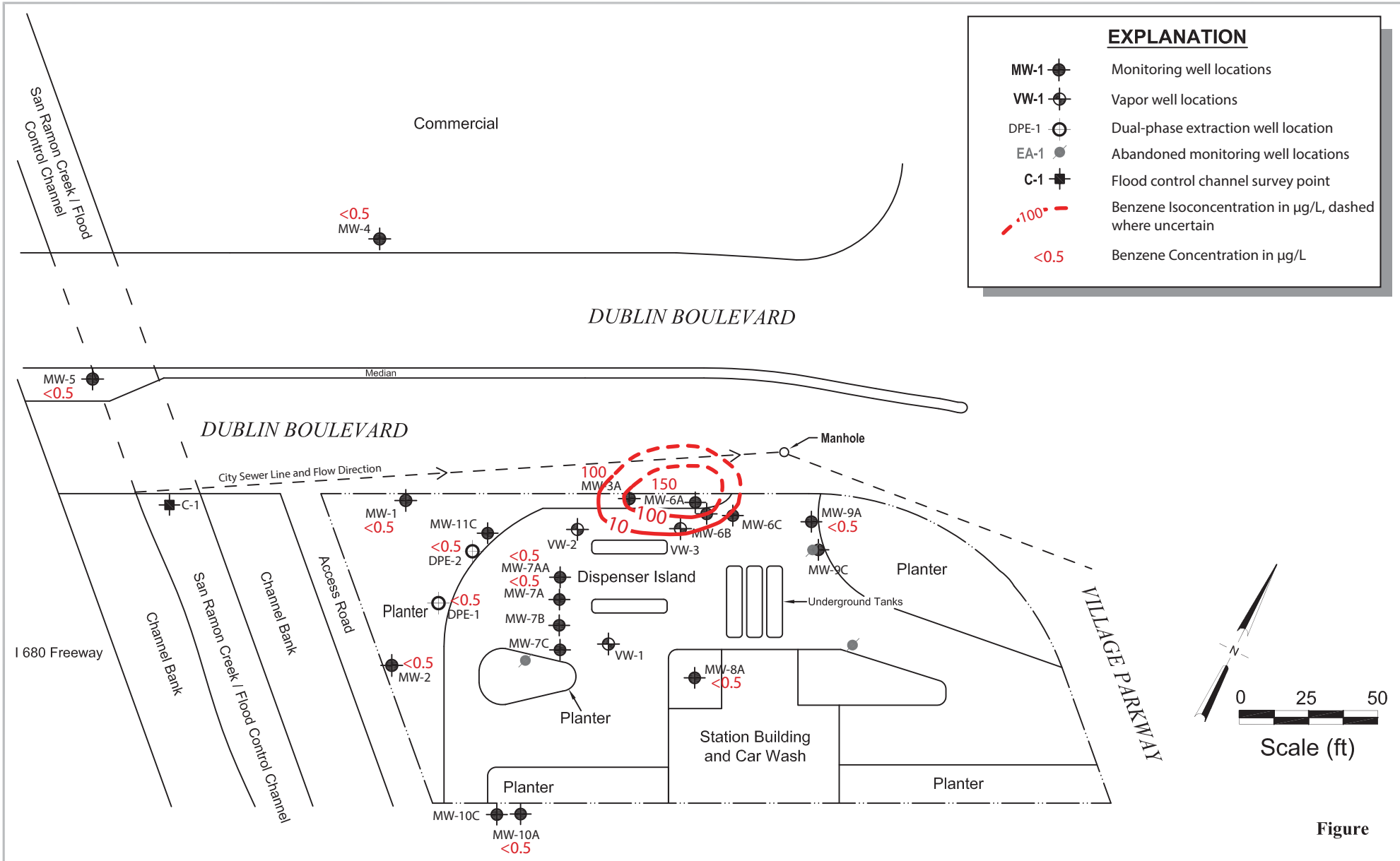
Figure

4

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Extent of TPHg in Shallow Groundwater
April 24, 2014



Figure

5

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Extent of Benzene in Shallow Groundwater
April 24, 2014

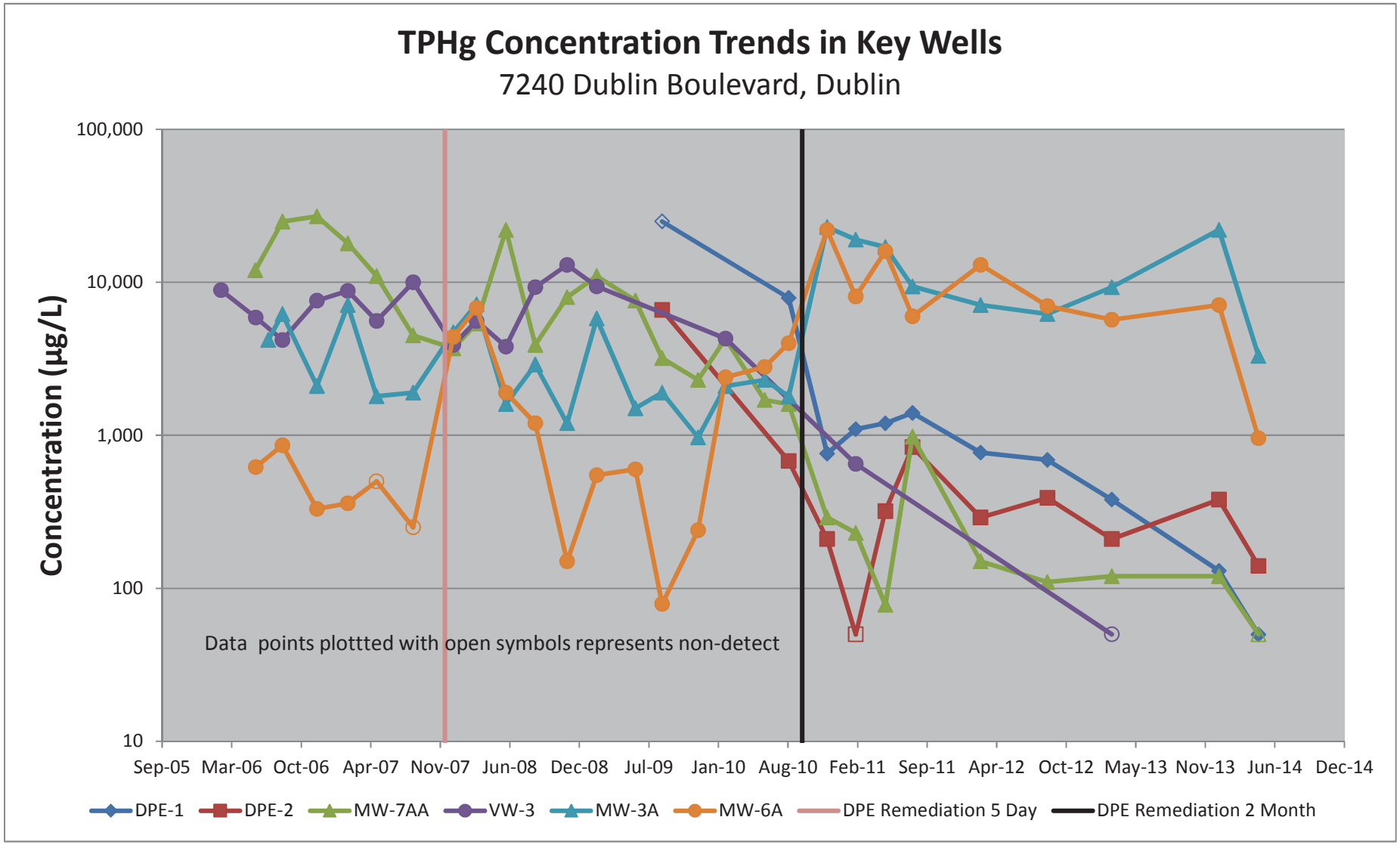


Figure 6. TPHg Concentration Trends in Key Wells

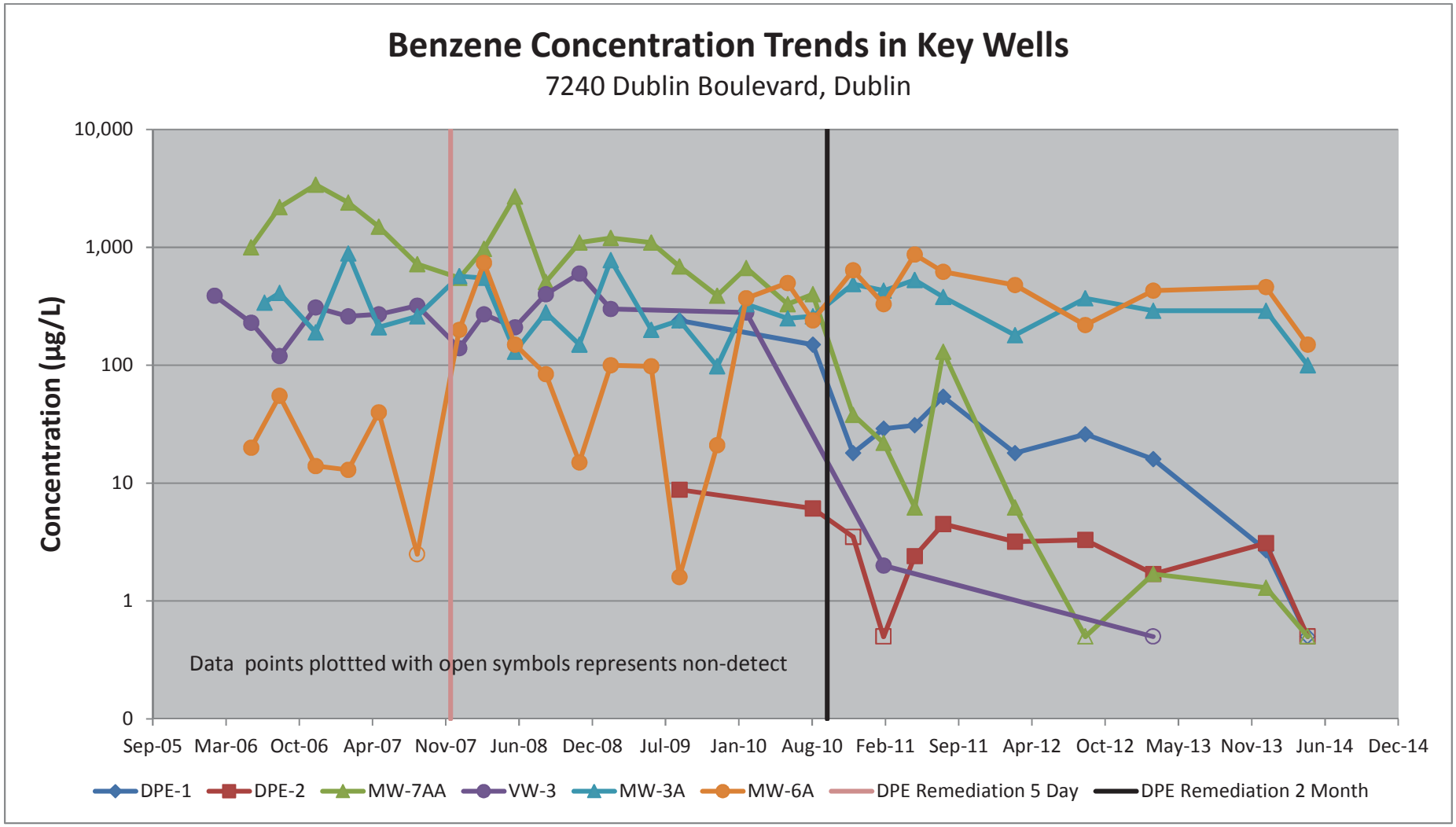


Figure 7. Benzene Concentration Trends in Key Wells

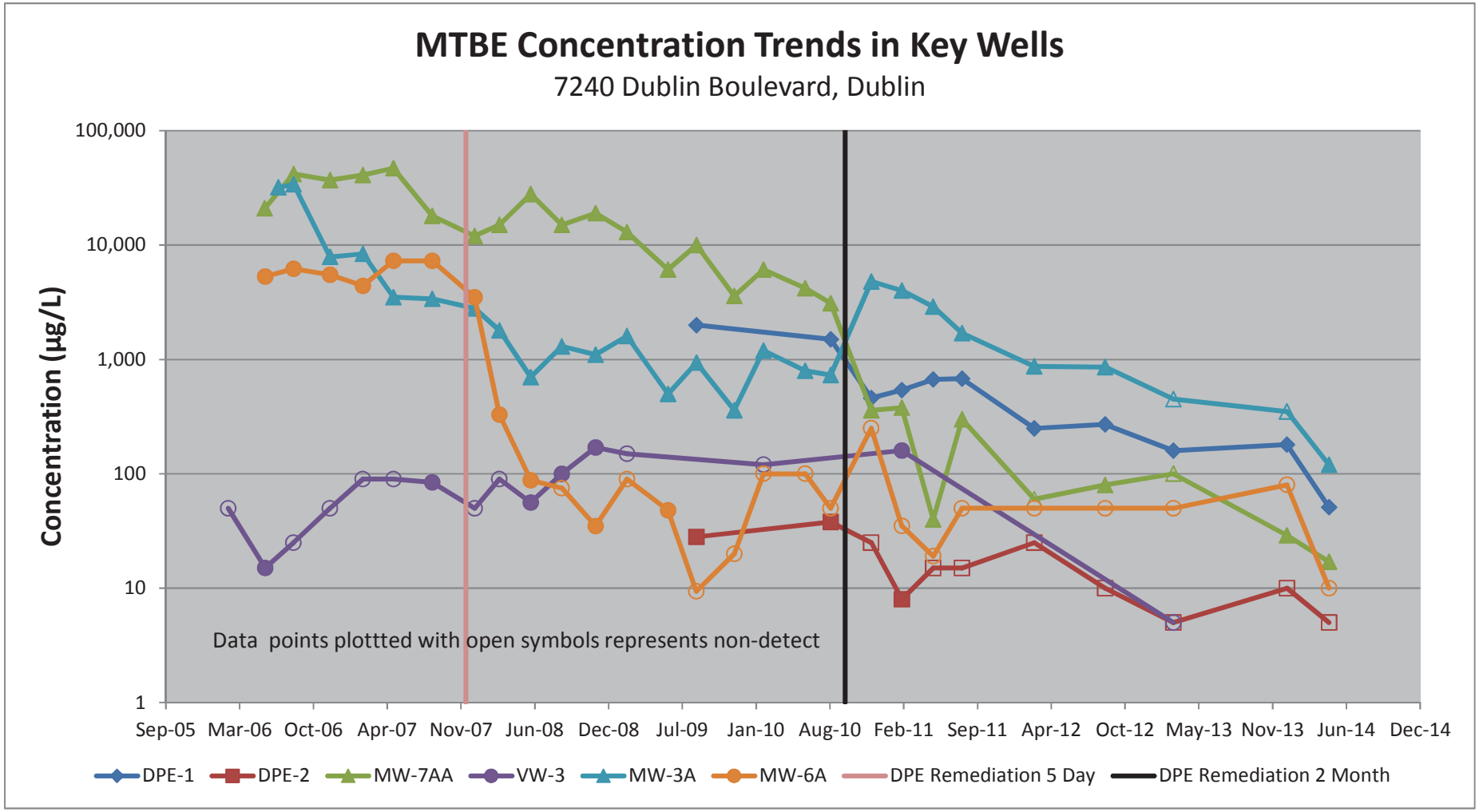


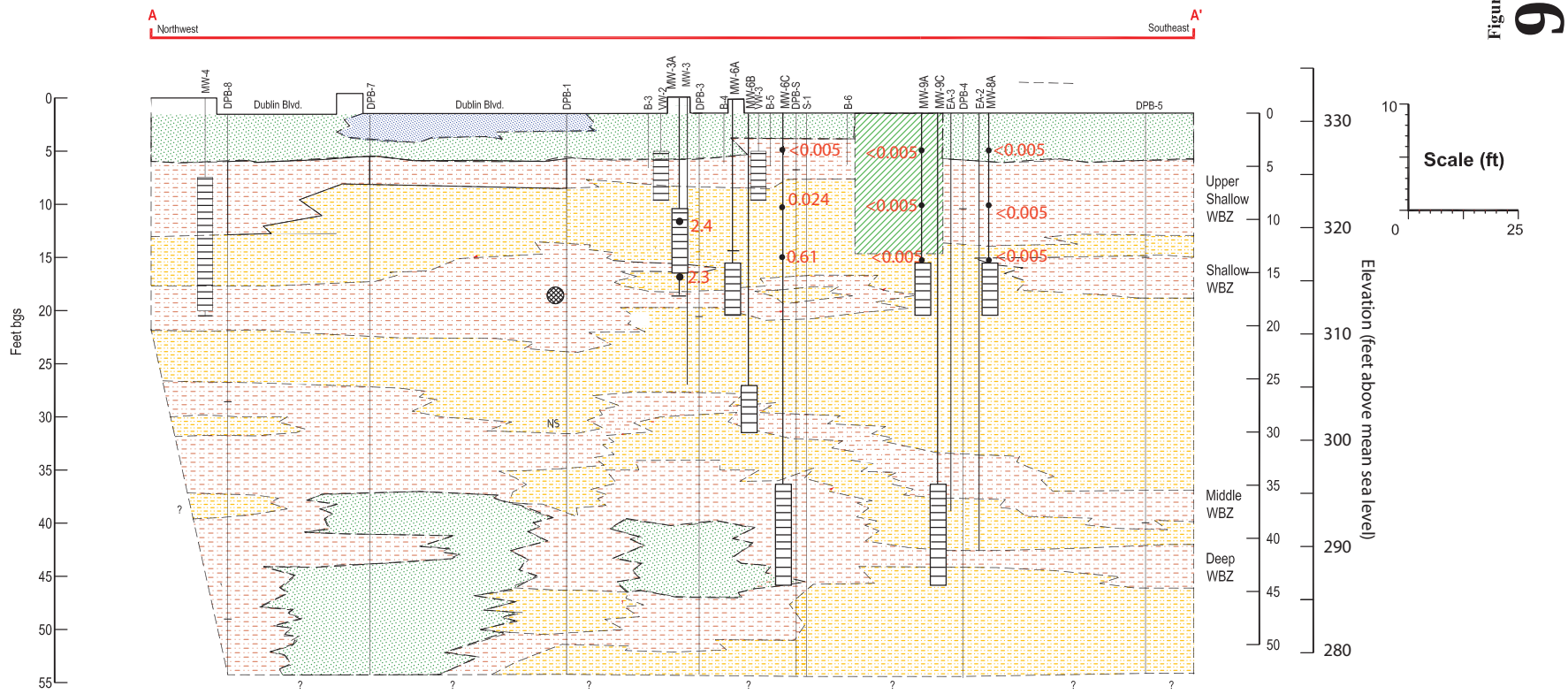
Figure 8. MTBE Concentration Trends in Key Wells

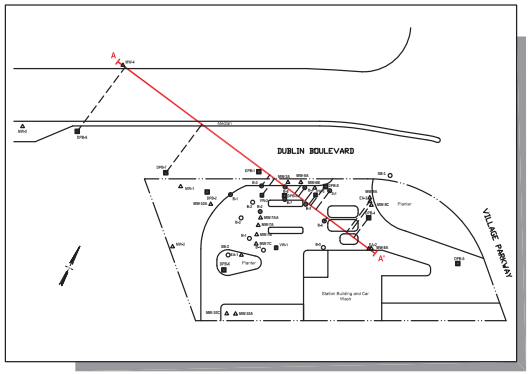
7/17/2006

Figure 9

Cross Section A-A' Showing Historic Benzene Concentrations in Soil

June 2006





EXPLANATION

- UST Area
- Moderate to High Permeability [SANDS (SW, SP), GRAVELS (GW, GP)]
- Low to Moderate Permeability [Clayey to Silty SANDS (SC, SM), Clayey to Silty Gravels (GC, GM)]
- Low Permeability [Sandy SILTS (ML, MH), Sandy CLAYS (CL, CH)]
- Very Low Permeability [SILTS (ML, MH), CLAYS (CL, CH), Silty CLAY / Clayey SILT (ML, CL)]
- Dublin Sanitary Sewer (18" Diameter)
- Well Casing
- Screened Interval
- Soil Boring Trace
- Sample Point

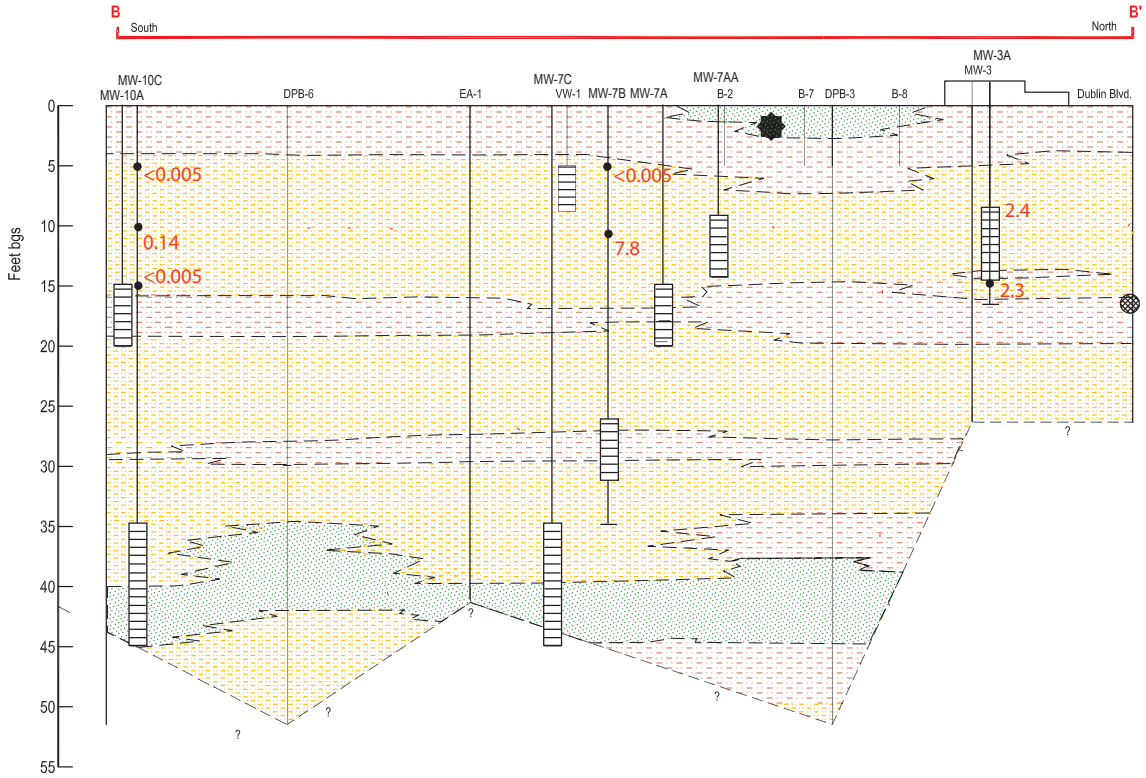
<0.05 Benzene Concentration (mg/kg) in Soil (3-5/06)

Pangea ENVIRONMENTAL SERVICES, INC.

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

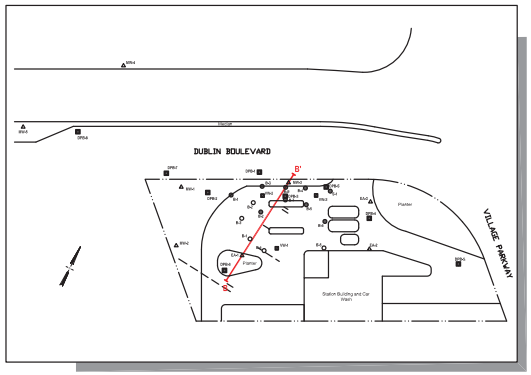
Figure 10

Geologic Cross Section B'B',
Showing Historic Benzene Concentrations in Soil
June 1, 2006



EXPLANATION

- Low to Moderate Permeability [Clayey to Silty SANDS (SC, SM), Clayey to Silty Gravels (GC, GM)]
- Lower Permeability [Sandy SILTS (ML, MH), Sandy CLAYS (CL, CH)]
- Very Low Permeability [SILTS (ML, MH), CLAYS (CL, CH), Silty CLAY / Clayey SILT (ML, CL)]
- Dublin Sanitary Sewer (18" Diameter)
- Well Casing
- Screened Interval
- Soil Boring Trace
- Sample Point
- Flex Hose Leak Location (February 1997)
- <0.05 Benzene Concentration(mg/kg) in Soil (3-5/06)



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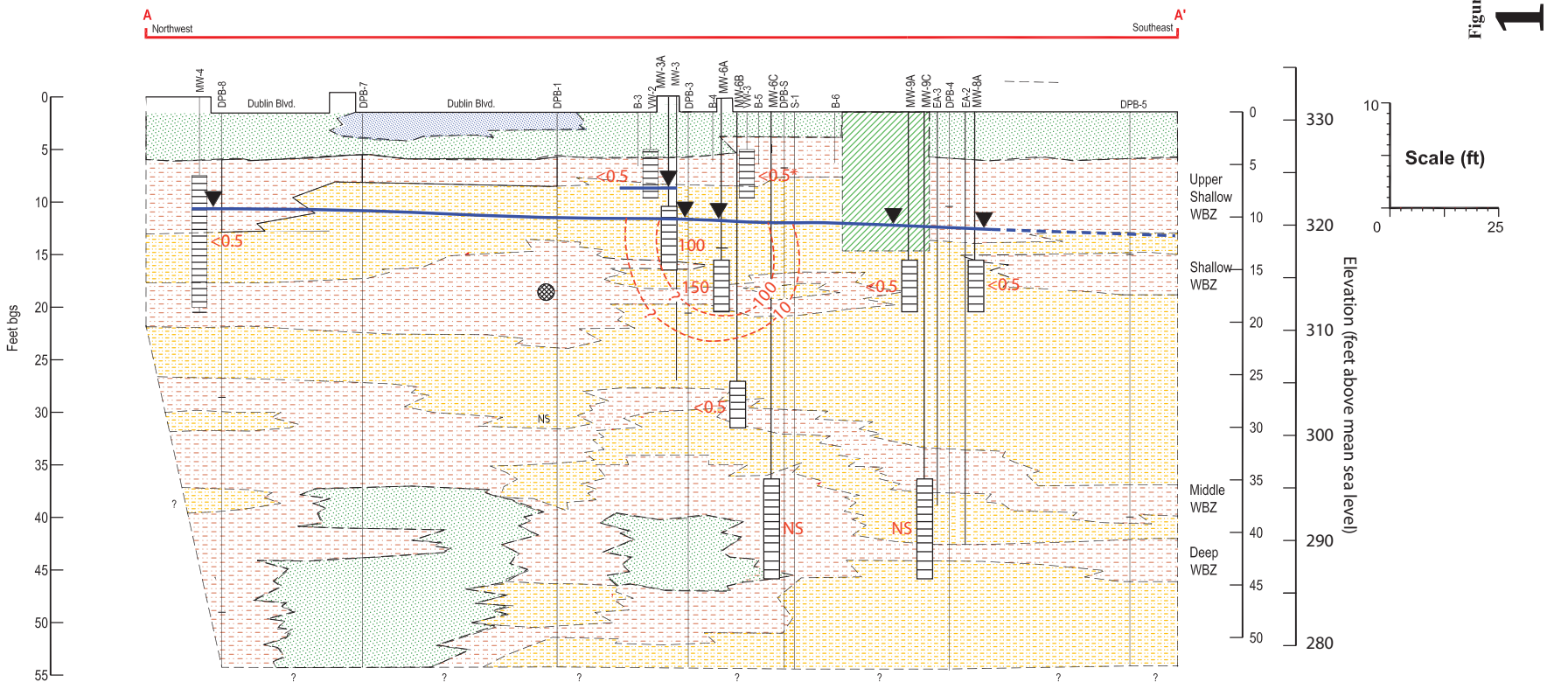
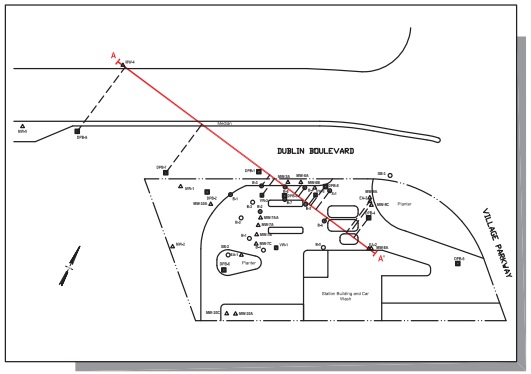
Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

Figure 11

Geologic Cross Section A-A'
Showing Current Benzene
Concentrations in Groundwater
April 24, 2014





EXPLANATION

- UST Area
- Moderate to High Permeability [SANDS (SW, SP), GRAVELS (GW, GP)]
- Low to Moderate Permeability [Clayey to Silty SANDS (SC, SM), Clayey to Silty Gravels (GC, GM)]
- Low Permeability [Sandy SILTS (ML, MH), Sandy CLAYS (CL, CH)]
- Very Low Permeability [SILTS (ML, MH), CLAYS (CL, CH), Silty CLAY / Clayey SILT (ML, CL)]
- Dublin Sanitary Sewer (18" Diameter)
- Well Casing
- Screened Interval
- Soil Boring Trace
- NS — Not sampled
- 100 — Benzene Concentration in Groundwater (µg/L)
- 10 — Benzene Isoconcentration Contour (µg/L); querried where uncertain
- Water Table (4/24/14)
- Static Water Depth (4/24/14)
- * — Denotes Concentration Data from 2/26/13

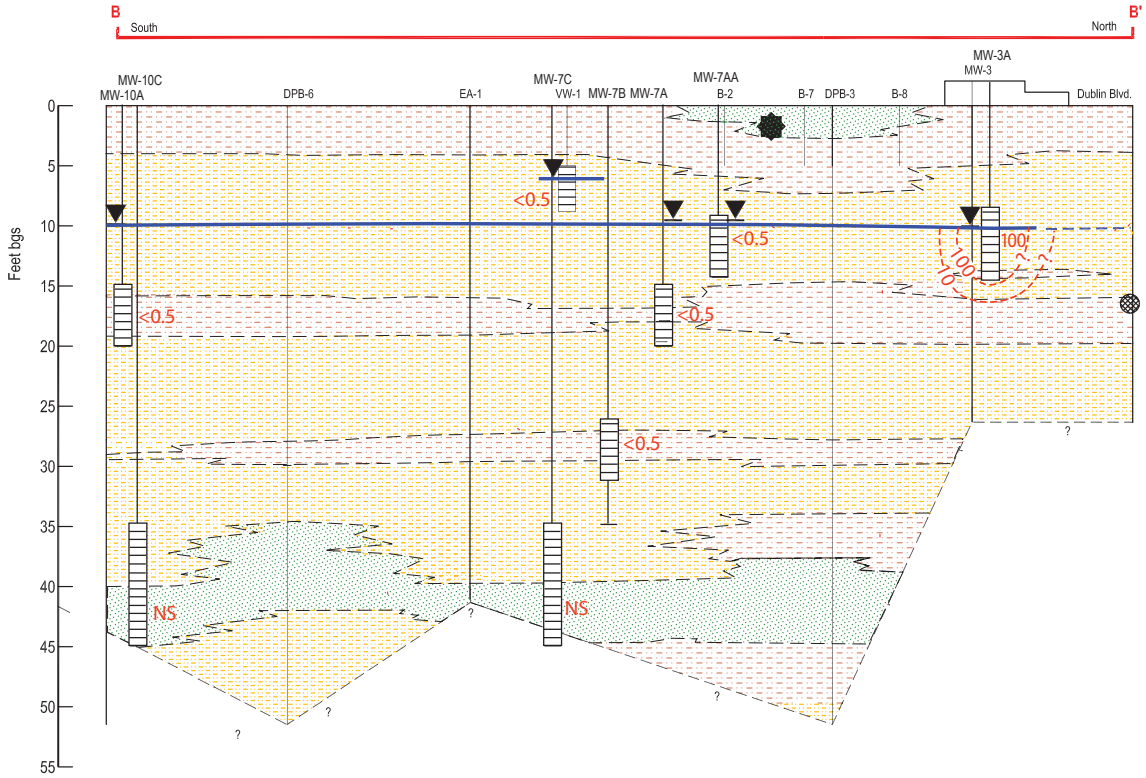
Pangea ENVIRONMENTAL SERVICES, INC.

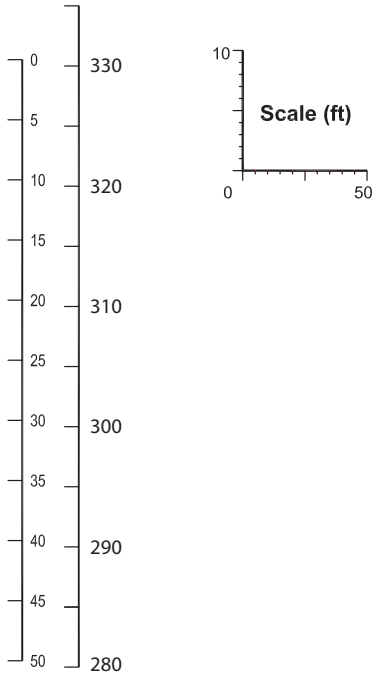
Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

4/24/2014

Figure 12

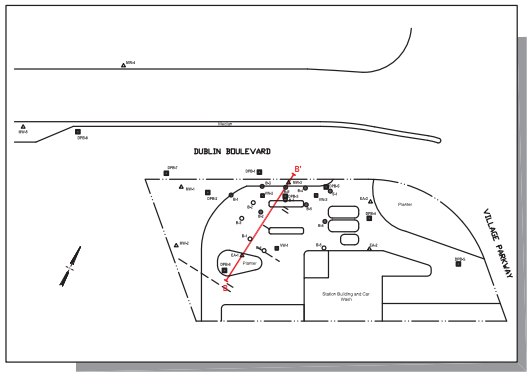
Geologic Cross Section B'B',
Showing Benzene Concentrations in Groundwater
April 24, 2014





EXPLANATION

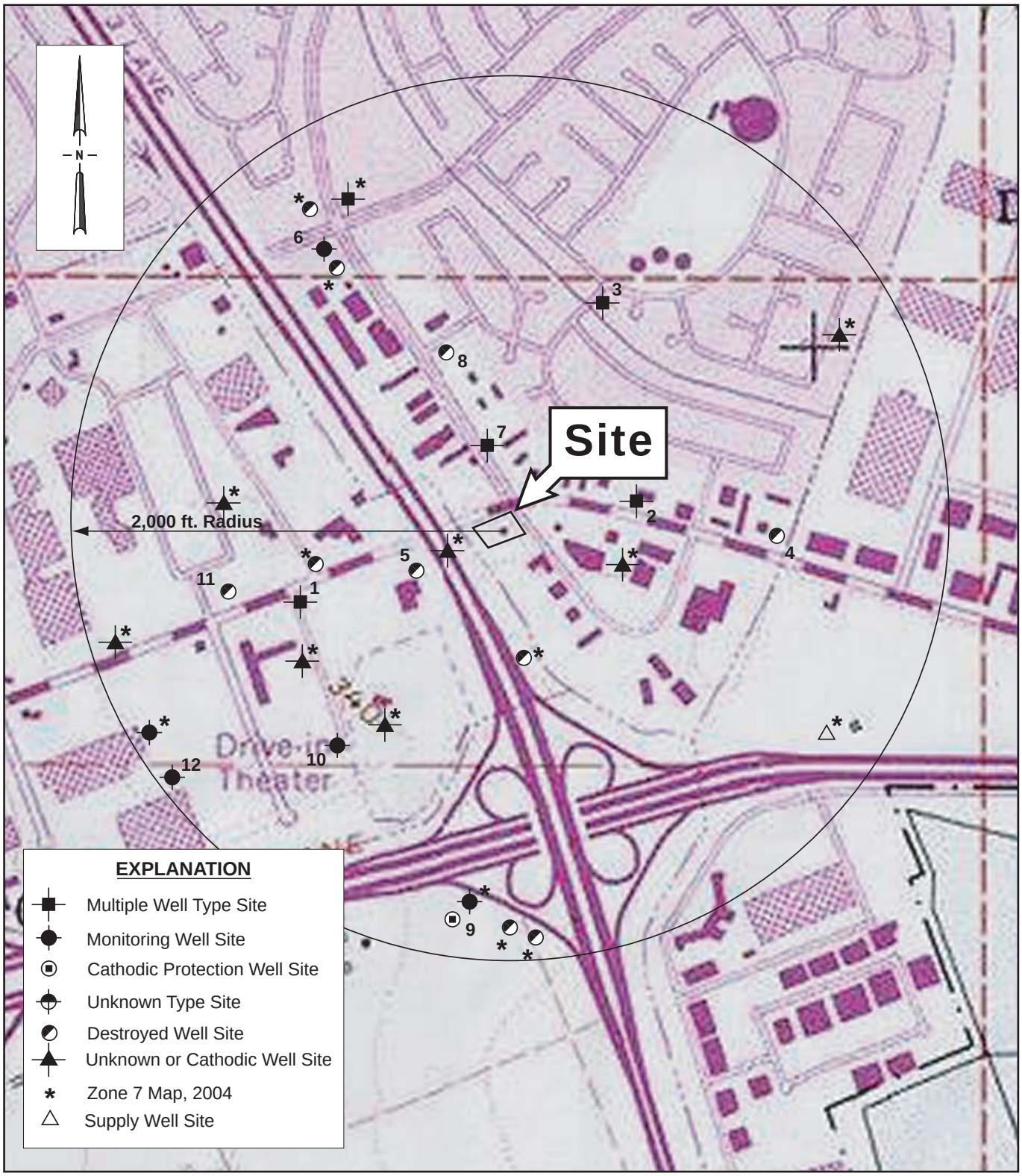
- Low to Moderate Permeability [Clayey to Silty SANDS (SC, SM), Clayey to Silty Gravels (GC, GM)]
- Lower Permeability [Sandy SILTS (ML, MH), Sandy CLAYS (CL, CH)]
- Very Low Permeability [SILTS (ML, MH), CLAYS (CL, CH), Silty CLAY / Clayey SILT (ML, CL)]
- Dublin Sanitary Sewer (18" Diameter)
- Well Casing
- Screened Interval
- Soil Boring Trace
- Flex Hose Leak Location (February 1997)
- <0.5 — Benzene Concentration(µg/L) in Groundwater (5/31/06)
- NS — Not sampled
- 10 — Benzene Isoconcentration Contour (µg/L); querried where uncertain
- Water Table (4/24/14)
- Static Water Depth (4/24/14)



Pangea
ENVIRONMENTAL SERVICES, INC.

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

2/18/2005



SOURCE: TOPO! MAPS

0 1/16 1/8 1/4 1/2

SCALE : 1" = 1/4 MILE

Figure
13

Dublin Auto Wash

7240 Dublin Boulevard
Dublin, California

Pangea
ENVIRONMENTAL SERVICES, INC.

Vicinity Well Location Map

Table 1. Soil Analytical Results - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Boring/Well ID	Consultant	Date Sampled	Sample Depth (feet)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	TAME	TBA	Ethanol	Notes
				← mg/kg →										
Final ESL - Commercial, Drinking Water Resource				**83**	**0.044**	**2.9**	**3.3**	**2.3**	**1.2**	**0.023**	NE	**0.075**	NE	
LTCP Commercial/Industrial Criteria (0 to 5 feet bgs)				--	**8.2**	--	**89**	--	**45**	--	--	--	--	
LTCP Commercial/Industrial Criteria (5 to 10 feet bgs)				--	**12**	--	**134**	--	**45**	--	--	--	--	
WELL INSTALLATION & SOIL BORINGS - 2006														
MW-3A-10	PANGEA	3/30/2006	10	**1,500**	**2.4**	**5.2**	**19**	**83**	--	<10 **(0.54)**	<0.33	<3.3	--	
MW-3A-15	PANGEA	3/30/2006	15	**140**	**2.3**	2.6	2.4	**16**	--	**2.7 (2.6)**	<0.10	<1.0	--	
MW-6C-5	PANGEA	3/30/2006	5	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-6C-10	PANGEA	3/30/2006	10	50	0.024	0.072	0.13	**1.5**	--	<0.05	--	--	--	
MW-6C-15	PANGEA	3/30/2006	15	**130**	**0.61**	0.29	1.4	**9.3**	--	<0.50 **(0.050)**	<0.020	<0.20	--	
MW-7B-5	PANGEA	3/29/2006	5	<1.0	<0.005	<0.005	<0.005	<0.005	--	**0.17 (0.11)**	<0.005	<0.05	--	
MW-7B-11	PANGEA	3/29/2006	11	**1,800**	**7.8**	**14**	**30**	**170**	--	**16 (13)**	<0.50	<5.0	--	
MW-8A-5	PANGEA	5/17/2006	5	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-8A-10	PANGEA	5/17/2006	10	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-8A-15	PANGEA	5/17/2006	15	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-9A-5	PANGEA	4/3/2006	5	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-9A-10	PANGEA	4/3/2006	10	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-9A-15	PANGEA	4/3/2006	15	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-10C-5	PANGEA	3/27/2006	5	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-10C-10	PANGEA	3/27/2006	10	17	**0.14**	0.063	0.46	1.3	--	<0.05	--	--	--	
MW-10C-15	PANGEA	3/27/2006	15	<1.0	<0.005	<0.005	0.0065	0.023	--	<0.05	--	--	--	
MW-11C-5	PANGEA	3/28/2006	5	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
MW-11C-11	PANGEA	3/28/2006	11	**700**	**1.4**	**12**	**14**	**65**	--	<10 **(3.1)**	<0.33	<3.3	--	
MW-11C-15	PANGEA	3/28/2006	15	<1.0	<0.005	0.023	0.014	0.073	--	**1.0 (0.80)**	<0.033	**0.41**	--	
SB-1-7	PANGEA	5/18/2006	7	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
SB-1-11	PANGEA	5/18/2006	11	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
SB-1-14	PANGEA	5/18/2006	14	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
SB-1A-15	PANGEA	5/18/2006	15	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
SB-2-5	PANGEA	5/18/2006	5	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	
SB-2-10	PANGEA	5/18/2006	10	**790**	<1.0	**2.9**	**10**	**58**	--	<10	--	--	--	
SB-2-15	PANGEA	5/18/2006	15	**310**	**2.5**	2.4	**6.4**	**27**	--	<5.0	--	--	--	
SB-2-20	PANGEA	5/18/2006	20	<1.0	<0.005	<0.005	<0.005	<0.005	--	<0.05	--	--	--	

Table 1. Soil Analytical Results - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Boring/Well ID	Consultant	Date Sampled	Sample Depth (feet)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	TAME	TBA	Ethanol	Notes
				← mg/kg →										
Final ESL - Commercial, Drinking Water Resource				**83**	**0.044**	**2.9**	**3.3**	**2.3**	**1.2**	**0.023**	NE	**0.075**	NE	
LTCP Commercial/Industrial Criteria (0 to 5 feet bgs)				**--**	**8.2**	**--**	**89**	**--**	**45**	**--**	--	**--**	--	
LTCP Commercial/Industrial Criteria (5 to 10 feet bgs)				**--**	**12**	**--**	**134**	**--**	**45**	**--**	--	**--**	--	
WELL INSTALLATION & SOIL BORINGS - HISTORICAL														
EA-1	EA	10/17/1988	6.5 & 11.5	<0.05	0.0019	0.0097	<0.0005	0.0018	--	--	--	--	--	
			16	<0.05	0.0007	0.0015	<0.0005	0.0008	--	--	--	--	--	
			21	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	
EA-2	EA	10/20/1988	6	0.14	0.02	0.0013	0.0037	0.0018	--	--	--	--	--	
			11	0.11	0.0093	0.0034	0.0013	<0.0005	--	--	--	--	--	
			16	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	
			21	0.14	0.02	0.0059	0.0045	0.0043	--	--	--	--	--	
EA-3	EA	10/21/1988	6	0.086	0.0054	0.0013	0.0049	0.0024	--	--	--	--	--	
			11	0.27	0.032	0.0043	0.0067	<0.0005	--	--	--	--	--	
			16	<0.05	0.0016	0.0037	<0.0005	<0.0005	--	--	--	--	--	
			21-36	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	
B-1	WGR	3/17/1989	3-4	<0.5	**0.24**	<0.5	<0.5	<0.5	--	--	--	--	--	
			4.5-5.5	<0.5	**0.43**	<0.5	<0.5	<0.5	--	--	--	--	--	
			6.5-7.5	<0.5	**0.13**	<0.5	<0.5	<0.5	--	--	--	--	--	
			9.5-10.5	<0.5	**0.09**	<0.5	<0.5	<0.5	--	--	--	--	--	
			14.5-15.5	1.8	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
B-2	WGR	3/17/1989	3.5-4.5	NA	NA	NA	NA	NA	--	--	--	--	--	
			5.5-6.5	<0.5	**0.06**	<0.5	<0.5	<0.5	--	--	--	--	--	
			9.5-10.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
			14.5-15.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
B-3	WGR	3/17/1989	5.5-6.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
		3/18/1989	9.5-10.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
B-4	WGR	3/18/1989	3-4	<0.5	**0.06**	<0.5	<0.5	<0.5	--	--	--	--	--	
			5.5-6.5	<0.5	**0.07**	<0.5	<0.5	<0.5	--	--	--	--	--	
			9.5-10.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
B-5	WGR	3/18/1989	3-4	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
			5.5-6.5	<0.5	**0.06**	0.2	<0.5	0.1	--	--	--	--	--	
			9.5-10.5	<0.5	**0.9**	0.4	0.08	0.09	--	--	--	--	--	
MW-1	GTI	9/13/1994	10	ND	ND	0.0099	ND	ND	--	--	--	--	--	
			15	23	**0.14**	0.47	0.37	**1.5**	--	--	--	--	--	
MW-2	GTI	9/13/1994	10	**980**	**2.7**	**19**	**15**	**78**	--	--	--	--	--	
			15	ND	ND	ND	ND	ND	--	--	--	--	--	
MW-3	GTI	9/13/1994	10	**2,500**	**0.8**	**4.8**	**5.1**	**120**	--	--	--	--	--	
			15	37	**0.21**	0.48	0.32	**1.5**	--	--	--	--	--	
MW-4	GRI	2/22/1996	9.5	<1	<0.005	<0.005	<0.005	<0.005	--	<0.025	--	--	--	
MW-5	GRI	2/22/1996	9.5	<1	<0.005	<0.005	<0.005	<0.005	--	<0.025	--	--	--	
B-1	PES	7/14/1997	5	10	**0.41**	0.027	0.16	0.01	--	**6**	--	--	--	hand augered

Table 1. Soil Analytical Results - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Boring/Well ID	Consultant	Date Sampled	Sample Depth (feet)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	TAME	TBA	Ethanol	Notes
				← mg/kg →										
Final ESL - Commercial, Drinking Water Resource				**83**	**0.044**	**2.9**	**3.3**	**2.3**	**1.2**	**0.023**	NE	**0.075**	NE	
LTCP Commercial/Industrial Criteria (0 to 5 feet bgs)				--	**8.2**	--	**89**	--	**45**	--	--	--	--	
LTCP Commercial/Industrial Criteria (5 to 10 feet bgs)				--	**12**	--	**134**	--	**45**	--	--	--	--	
			9	**1,400**	**13**	**45**	**26**	**130**	--	**4.5**	--	--	--	
B-2	PES	7/14/1997	5	1.8	0.006	0.007	0.013	0.033	--	**0.33**	--	--	--	hand augered
			10	**1,100**	**11**	**35**	**18**	**91**	--	**20**	--	--	--	
B-3	PES	7/15/1997	7	230	**2.4**	2	**3.8**	**19**	--	**6**	--	--	--	hand augered
			10	**1,000**	**9.8**	**32**	**17**	**84**	--	**10**	--	--	--	
B-4	PES	7/15/1997	7	33	**0.11**	0.034	0.39	0.87	--	**1.5**	--	--	--	hand augered
			10	**1,900**	**2.2**	**14**	**19**	**170**	--	<4.5	--	--	--	
B-1	SOMA	4/23/2003	3.5-4	<0.2	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.0005	<0.1	<1	hand augered
B-2	SOMA	4/23/2003	3.5-4	**92,000**	**12**	**560**	**240**	**1,550**	--	**21**	20	<100	<1,000	hand augered
B-3	SOMA	4/23/2003	3.5-4	<0.19	<0.0043	<0.0043	<0.0043	<0.0043	--	<0.0043	<0.0043	**0.086**	0.86	hand augered
B-4	SOMA	4/23/2003	2.5-3	<0.17	<0.0042	<0.0042	<0.0042	<0.0042	--	<0.0042	<0.0042	**0.083**	0.83	hand augered
B-5	SOMA	4/23/2003	3.5-4	<0.19	<0.0047	<0.0047	<0.0047	0.0079	--	<0.0047	<0.0047	**0.094**	0.94	hand augered
B-6	SOMA	4/23/2003	2.5-3	<0.17	<0.0043	<0.0043	<0.0043	<0.0043	--	<0.0043	<0.0043	**0.086**	0.86	hand augered
B-7	SOMA	4/23/2003	3.5-4	**8,700**	**7.7**	**270**	**170**	**920**	--	**7.1**	<10	<140	<1,400	hand augered
B-8	SOMA	4/23/2003	4-5.75	9.9	0.0064	<0.0044	0.033	0.2	--	**0.047**	0.012	**0.088**	0.88	hand augered
DPB-3	SOMA	4/17/2003	14-15	**3,500**	**6.6**	**120**	**43**	**251**	--	**17**	--	--	--	
			18.5-19.5	<0.16	<0.0042	<0.0042	<0.0042	<0.0042	--	**1.4**	--	--	--	
DPB-4	SOMA	4/17/2003	9-10	0.2	<0.0039	<0.0039	<0.0039	<0.0039	--	**0.041**	--	--	--	
DPB-5	SOMA	4/17/2003	11-12	<0.17	<0.0041	<0.0041	<0.0041	<0.0041	--	**0.0045**	--	--	--	
DPB-6	SOMA	4/18/2003	18-18.75	<0.15	<0.004	<0.004	<0.004	<0.004	--	<0.004	--	--	--	
DPB-7	SOMA	4/18/2003	15.5-16.5	<0.2	<0.005	<0.005	<0.005	<0.005	--	<0.005	--	--	--	
DPB-S	SOMA	4/18/2003	15-16	1.2	<0.13	<0.13	<0.13	0.36	--	**3.5**	--	--	--	

ABBREVIATIONS AND NOTES:

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015M.
MTBE = Methyl tert-butyl ether by EPA Method 8020/8021. (Concentrations in parentheses are by EPA Method 8260B)
TAME = Tert-amyl methyl ether by EPA Method 8020/8021. (Concentrations in parentheses are by EPA Method 8260B)
TBA = Tert-butyl alcohol by EPA Method 8020/8021. (Concentrations in parentheses are by EPA Method 8260B)
mg/kg = milligram per kilogram
EA = EA Engineering Science and Technology Inc.
WGR = Western Geologic Resources
GTI = Groundwater Technology
GRI = Gettler-Ryan Inc.
PES = Parker Environmental Services
SOMA = SOMA Environmental Engineering Inc.

Table 1. Soil Analytical Results - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Boring/Well ID	Consultant	Date Sampled	Sample Depth (feet)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	TAME	TBA	Ethanol	Notes
				← mg/kg →										
Final ESL - Commercial, Drinking Water Resource				**83**	**0.044**	**2.9**	**3.3**	**2.3**	**1.2**	**0.023**	NE	**0.075**	NE	
LTCP Commercial/Industrial Criteria (0 to 5 feet bgs)				**--**	**8.2**	**--**	**89**	**--**	**45**	**--**	--	**--**	--	
LTCP Commercial/Industrial Criteria (5 to 10 feet bgs)				**--**	**12**	**--**	**134**	**--**	**45**	**--**	--	**--**	--	

ESL =Environmental Screening Levels for Shallow soil with commercial/industrial land use where groundwater is a current or potential drinking water resource from Table A-2, established by SFBRWQCB, Interim Final - November 2007 (Revised February 2013).

LTCP = Low Threat Closure Policy established by the State Water Resources Control Board and adopted May 1, 2012. Direct contact and outdoor air exposure.

= Above LTCP criteria for direct contact or outdoor air exposure (based on depth of sample).

-- = Not analyzed

< = Not detected at or above indicated detection limit

Bold = Analytical results at or above the final ESL

NE = Not established

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
Surface Water (Flood Control Channel)											
C-1	08/17/06	11.60	321.29	--	--	--	--	--	--	--	Gauge data - flood control channel
332.89	11/24/06	12.10	320.79	--	--	--	--	--	--	--	
	02/21/07	12.10	320.79	--	--	--	--	--	--	--	
	05/15/07	12.05	320.84	--	--	--	--	--	--	--	
	08/28/07	11.90	320.99	--	--	--	--	--	--	--	
	12/21/07	12.16	320.73	--	--	--	--	--	--	--	
	02/26/08	12.21	320.68	--	--	--	--	--	--	--	
	05/21/08	12.40	320.49	--	--	--	--	--	--	--	
	08/13/08	11.95	320.94	--	--	--	--	--	--	--	
	11/13/08	12.40	320.49	--	--	--	--	--	--	--	
	02/06/09	12.02	320.87	--	--	--	--	--	--	--	
	05/28/09	11.98	320.91	--	--	--	--	--	--	--	
	08/13/09	12.01	320.88	--	--	--	--	--	--	--	
	11/24/09	11.92	320.97	--	--	--	--	--	--	--	
	02/11/10	11.95	320.94	--	--	--	--	--	--	--	
	06/04/10	11.98	320.91	--	--	--	--	--	--	--	
	08/12/10	11.94	320.95	--	--	--	--	--	--	--	
	11/30/10	11.68	321.21	--	--	--	--	--	--	--	
	02/21/11	10.27	322.62	--	--	--	--	--	--	--	
	05/17/11	12.02	320.87	--	--	--	--	--	--	--	
	08/03/11	12.10	320.79	--	--	--	--	--	--	--	
	02/15/12	12.51	320.38	--	--	--	--	--	--	--	
	08/25/12	10.33	322.56	--	--	--	--	--	--	--	
	02/26/13	12.27	320.62	--	--	--	--	--	--	--	
	12/31/13	12.38	320.51	--	--	--	--	--	--	--	
	04/24/14	**13.21**	**319.68**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
Vapor Wells											
VW-1	02/21/06	7.95	322.48	860	120	1.4	32	4.4	390 (440)	1.97	
330.43	06/01/06	7.89	322.54	1,100	92	2.2	11	1.4	600 (550)	0.11	TAME=12µg/L, TBA,DIPE,ETBE=ND
	07/07/06	7.71	322.72	--	--	--	--	--	--	--	
	08/17/06	7.65	322.78	--	--	--	--	--	--	0.07	
	11/24/06	7.75	322.68	Insufficient Water to Sample						0.48	
	02/21/07	7.81	322.62	620	52	4.3	<0.5	2.7	340	0.22	
	05/15/07	7.94	322.49	2,000	270	6.4	1.2	15	720	0.10	
	08/28/07	8.07	322.36	2,400	400	4.6	<0.5	23	610	0.27	
	12/21/07	8.20	322.23	Insufficient Water to Sample							
	02/26/08	8.20	322.23	Insufficient Water to Sample							
	05/21/08	8.21	322.22	Insufficient Water to Sample							
	08/13/08	8.27	322.16	Insufficient Water to Sample							
	11/13/08	5.97	324.46	<50	<0.5	<0.5	<0.5	<0.5	46	1.10	
	02/06/09	6.04	324.39	<50	<0.5	<0.5	<0.5	<0.5	80	0.97	
	05/28/09	6.30	324.13	--	--	--	--	--	--	--	
	08/13/09	6.61	323.82	--	--	--	--	--	--	--	
	11/24/09	6.99	323.44	--	--	--	--	--	--	--	
	02/11/10	7.30	323.13	<50	<0.5	<0.5	<0.5	<0.5	29	1.16	
	06/04/10	6.00	324.43	---	---	---	---	---	---	---	
	08/12/10	6.30	324.13	---	---	---	---	---	---	---	
	11/30/10	6.95	323.48	---	---	---	---	---	---	---	
	02/21/11	7.25	323.18	<50	<0.5	<0.5	<0.5	<0.5	15	0.93	
	05/17/11	5.72	324.71	---	---	---	---	---	---	---	
	08/03/11	7.08	323.35	---	---	---	---	---	---	---	
	02/15/12	7.22	323.21	<50	<0.5	<0.5	<0.5	<0.5	13	1.03	
	08/25/12	7.85	322.58	--	--	--	--	--	--	--	
	02/26/13	6.48	323.95	<50	<0.5	<0.5	<0.5	<0.5	11	1.7	
	12/31/13	6.39	324.04	--	--	--	--	--	--	2.53	
	04/24/14	**6.11**	**324.32**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**8.6**	**0.12**	
VW-2	02/21/06	6.01	324.16	1,600	150	2.7	55	20	1,700 (1,600)	1.97	
330.17	06/01/06	6.17	324.00	1,500	140	3.3	24	19	1,600 (1,600)	0.29	TAME, TBA, DIPE, ETBE=ND
	07/07/06	7.02	323.15	--	--	--	--	--	--	--	
	08/17/06	7.23	322.94	--	--	--	--	--	--	0.14	
	11/24/06	5.55	324.62	<50	5.7	<0.5	<0.5	<0.5	260	0.20	
	02/21/07	6.22	323.95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.42	
	05/15/07	7.54	322.63	430	40	1.5	<0.5	1.0	470	0.28	
	08/28/07	7.82	322.35	1,200	170	5.0	<0.5	20	160	0.35	
	12/21/07	4.44	325.73	<50	<0.5	<0.5	<0.5	<0.5	100	0.70	
	02/26/08	4.56	325.61	<50	<0.5	<0.5	<0.5	<0.5	21	0.75	
	05/21/08	7.65	322.52	300	28	1.7	<0.5	0.97	<45	0.71	
	08/13/08	7.92	322.25	Insufficient Water to Sample						1.58	
	11/13/08	5.96	324.21	<50	8.0	<0.5	<0.5	<0.5	53	0.97	
	02/06/09	6.06	324.11	<50	<0.5	<0.5	<0.5	<0.5	38	0.95	
	05/28/09	6.90	323.27	--	--	--	--	--	--	--	
	08/13/09	7.52	322.65	--	--	--	--	--	--	--	
	11/24/09	6.28	323.89	--	--	--	--	--	--	--	
	02/11/10	5.65	324.52	<50	<0.5	<0.5	<0.5	<0.5	39	0.91	
	06/04/10	5.72	324.45	---	---	---	---	---	---	---	
	08/12/10	1.50	328.67	---	---	---	---	---	---	---	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
VW-2 (cont'd)	11/30/10	2.46	327.71	---	---	---	---	---	---	---	
	02/21/11	4.06	326.11	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.03	
	05/17/11	3.58	326.59	---	---	---	---	---	---	---	
	08/03/11	7.01	323.16	---	---	---	---	---	---	---	
	02/15/12	4.62	325.55	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.62	
	08/25/12	6.89	323.28	--	--	--	--	--	--	--	
	02/26/13	6.30	323.87	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.7	
	12/31/13	6.00	324.17	--	--	--	--	--	--	0.42	
	04/24/14	**6.53**	**323.64**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.00**	
VW-3	02/21/06	6.10	324.39	8,900	390	29	490	650	<50	2.28	
330.49	06/01/06	6.22	324.27	5,900	230	4.5	270	63	<35 (15)	0.21	TAME, TBA, DIPE, ETBE=ND
	07/07/06	4.44	326.05	--	--	--	--	--	--	--	
	08/17/06	4.40*	326.09	4,200	120	1.7	39	30	<25	0.10	
	11/24/06	6.15	324.34	7,600	310	9.9	270	420	<50	0.21	
	02/21/07	6.87	323.62	8,800	260	5.1	130	160	<90	0.29	
	05/15/07	7.13	323.36	5,600	270	6.9	110	110	<90	0.36	
	08/28/07	7.41	323.08	10,000	320	5.9	150	140	84	0.39	
	12/21/07	6.28	324.21	3,900	140	1.9	54	29	<50	0.66	
	02/26/08	6.09	324.40	5,600	270	4.5	68	130	<90	0.69	
	05/21/08	6.46	324.03	3,800	210	3.0	32	47	56	0.77	
	08/13/08	6.93	323.56	9,300	400	4.8	87	60	100	0.59	
	11/13/08	7.45	323.04	13,000	600	9.6	220	120	170	2.79	
	02/06/09	7.41	323.08	9,400	300	9.1	140	230	<150	2.16	
	05/28/09	5.93	324.56	--	--	--	--	--	--	--	
	08/13/09	6.40	324.09	--	--	--	--	--	--	--	
	11/24/09	6.75	323.74	--	--	--	--	--	--	--	
	02/11/10	6.08	324.41	4300	280	3.7	52	80	<120	1.77	
	06/04/10	6.41	324.08	---	---	---	---	---	---	---	
	08/12/10	6.51	323.98	---	---	---	---	---	---	---	
	11/30/10	8.22	322.27	---	---	---	---	---	---	---	
	02/21/11	7.45	323.04	650	2.0	<0.5	<0.5	87	160	1.25	
	05/17/11	7.51	322.98	---	---	---	---	---	---	---	
	08/03/11	7.36	323.13	---	---	---	---	---	---	---	
	02/15/12	---	---				Well Dry				
	08/25/12	8.36	322.13	--	--	--	--	--	--	--	
	02/26/13	5.56	324.93	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.1	
	12/31/13	5.68	324.81	--	--	--	--	--	--	1.85	
	04/24/14	**--**	**--**				**Well Dry**				
Upper Shallow (AA-Zone) Wells											
DPE-1	08/13/09	10.55	--	25,000	240	160	530	3,900	2,000	--	
	08/12/10	10.20	--	7,900	150	17	110	1,000	1,500	1.12	
331.01	11/30/10	10.47	320.54	760	18	1.6	25	87	460	0.97	
	02/21/11	9.91	321.10	1,100	29	1.1	5.3	97	540	0.73	
	05/17/11	10.21	320.80	1,200	31	2.4	62	65	670	0.69	
	08/03/11	10.28	320.73	1,400	54	1.7	160	42	680	0.73	
	02/15/12	10.71	320.30	770	18	2.2	20	37	250	0.69	
	08/25/12	10.21	320.80	690	26	0.95	27	78	270	0.86	
	02/26/13	10.42	320.59	380	16	2.3	9.8	49	160	2.6	
	12/31/13	10.42	320.59	130	2.7	1.6	<0.5	0.75	180	0.81	
	04/24/14	**10.40**	**320.61**	**<50**	**<0.5**	**0.69**	**<0.5**	**<0.5**	**51**	**1.06**	
DPE-2	08/13/09	11.06	--	6,600	8.8	<2.5	<2.5	710	28	--	
	08/12/10	10.49	--	680	6.1	4.7	<0.5	1.4	38	1.74	
331.42	11/30/10	10.63	320.79	210	3.5	1.7	0.70	1.8	<25	1.40	
	02/21/11	9.83	321.59	<50	<0.5	<0.5	<0.5	<0.5	8.0	1.12	
	05/17/11	10.50	320.92	320	2.4	1.5	12	3.0	<15	1.34	
	08/03/11	10.62	320.80	840	4.5	3.5	24	5.4	<15	0.62	
	02/15/12	11.19	320.23	290	3.2	4.5	<0.5	1.1	<25	0.79	
	08/25/12	10.57	320.85	390	3.3	5.0	2.8	0.79	<10	0.97	
	02/26/13	10.83	320.59	210	1.7	5.5	<0.5	<0.5	<5.0	2.7	
	12/31/13	10.65	320.77	380	3.1	6.4	11	4.1	<10	0.65	
	04/24/14	**10.66**	**320.76**	**140**	**<0.5**	**4.2**	**<0.5**	**<0.5**	**<5.0**	**0.00**	
MW-7AA	05/31/06	9.18	321.49	12,000	1,000	410	180	1,600	23,000 (21,000)	0.44	TAME, TBA, DIPE, ETBE=ND
330.67	07/07/06	9.15	321.52	--	--	--	--	--	--	--	
	08/17/06	8.75	321.92	25,000	2,200	210	780	1,400	36,000(42,000)	0.24	
	11/24/06	9.84	320.83	27,000	3,400	1,100	1,300	3,400	37,000	0.33	
	02/21/07	9.60	321.07	18,000	2,400	670	200	2,800	41,000	0.58	
	05/15/07	10.20	320.47	11,000	1,500	200	520	1,100	47,000	0.49	
	08/28/07	10.20	320.47	4,500	720	13	73	100	18,000	0.33	
	12/21/07	10.09	320.58	3,700	550	32	74	330	12,000	0.58	
	02/26/08	8.96	321.71	5,400	970	7.2	320	100	15,000	0.74	
	05/21/08	10.28	320.39	22,000	2,700	19	940	440	28,000	0.71	
	08/13/08	10.38	320.29	3,900	510	<5.0	150	42	15,000	0.77	
	11/13/08	10.35	320.32	8,000	1,100	20	290	280	19,000	0.80	
	02/06/09	10.31	320.36	11,000	1,200	37	500	800	13,000	0.79	
	05/28/09	10.05	320.62	7,600	1,100	34	390	870	6,100	0.73	
	08/13/09	10.15	320.52	3,200	690	5.4	54	92	10,000	0.87	
	11/24/09	10.06	320.61	2,300	390	7.2	50	150	3,600	0.81	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
MW-7AA (cont'd)	02/11/10	9.56	321.11	4,300	670	9.0	73	240	6,100	0.64	
	06/04/10	9.51	321.16	1,700	330	3.7	<1.7	120	4,200	0.61	
	08/12/10	9.63	321.04	1,600	400	3.0	50	7.0	3,100	0.70	After 2 months DPE.
	11/30/10	9.70	320.97	290	38	0.95	6.1	19	360	0.89	
	02/21/11	8.57	322.10	230	22	<0.5	<0.5	7.2	380	0.54	
	05/17/11	9.51	321.16	78	6.2	1.1	<0.5	<0.5	40	1.31	
	08/03/11	9.71	320.96	980	130	1.4	49	53	300	0.83	
	02/15/12	10.42	320.25	150	6.2	1.7	<0.5	<0.5	<60	0.86	
	08/25/12	9.74	320.93	110	<0.5	1.8	<0.5	<0.5	80	0.49	
	02/26/13	9.89	320.78	120	1.7	2.1	<0.5	<0.5	<100	2.5	
	12/31/13	9.99	320.68	120	1.3	2.5	<0.5	1.1	29	0.57	
	04/24/14	**9.85**	**320.82**	**<50**	**<0.5**	**0.87**	**<0.5**	**<0.5**	**17**	**0.24**	
Shallow (A-Zone) Wells											
MW-1	10/04/94	12.8	320.76	2,100	150	170	61	320	--		
333.66	11/30/94	12.38	321.18	1,500	210	17	73	130	--		
	03/02/95	12.88	320.68	2,600	510	<10	160	<10	--		
	06/07/95	12.58	320.98	710	160	<2.0	45	<2.0	<10		
	09/26/95	13.15	320.41	1,100	140	1.4	92	1.8	<5.0		
	12/28/95	13.09	320.47	750	96	2.5	61	7.4	37		
	02/29/96	12.17	321.39	250	17	<0.5	18	0.81	9		
	06/27/96	12.95	320.61	710	72	<2.0	92	2.2	<10		
	09/12/96	13.11	320.55	300	53	<0.5	32	0.65	21		
	03/31/97	12.99	320.67	<200	4.1	<2.0	4.8	<2.0	640		
	12/23/98	13.87	319.79	<50	<50	<0.5	<0.5	<0.5	3200		
	03/25/99	12.01	321.65	<50	<0.5	<0.5	<0.5	<0.5	5,200 (5,200)		
	02/03/00	11.91	321.75	<500	<5.0	<5.0	<5.0	<5.0	3,180 (3,350)		
	01/23/01	12.57	321.09	<50.0	<0.5	<0.5	<0.5	<0.5	4,420		
	05/01/01	12.6	321.06			SAMPLED SEMI-ANNUALLY					
	08/28/01	12.74	320.92	<50	<0.5	<0.5	<0.5	<0.5	4,800		
	11/27/01	12.7	320.96			SAMPLED SEMI-ANNUALLY					
	02/28/02	12.7	320.96	<50	<0.5	<0.5	<0.5	<1.5	1,400		
	05/22/02	12.38	321.28			SAMPLED SEMI-ANNUALLY					
	08/20/02	12.57	321.09	<50	<0.5	<0.5	<0.5	<1.5	1,400		
	11/11/02	11.31	322.35			SAMPLED SEMI-ANNUALLY					
	05/08/03	11.85	321.81	<50	<0.5	<0.5	<0.5	<0.5	1,300 (1,200)		
	12/15/04	12.80	320.86	<50	<0.5	<0.5	<0.5	<0.5	1,700 (1,900)		
	02/21/05	11.81	321.85	<100	<1.0	<1.0	<1.0	<1.0	3,000 (3,800)	0.82	
	05/17/05	12.51	321.15	<120	<1.2	<1.2	<1.2	<1.2	3,400 (4,400)	0.75	
	08/17/05	12.35	321.31	<170	<1.7	<1.7	<1.7	<1.7	4,500 (4,900)	0.77	
	11/27/05	13.18	320.48	<170	<1.7	<1.7	<1.7	<1.7	5,400 (4,400)	0.90	
	02/21/06	12.61	321.05	<170	<1.7	<1.7	<1.7	<1.7	5,000 (5,400)	0.29/0.71	
333.69	06/01/06	12.47	321.22	<250	<2.5	<2.5	<2.5	<2.5	6,400 (6,300)	0.46	TAME, TBA, DIPE, ETBE=ND
	07/07/06	12.60	321.09	--	--	--	--	--	--	--	
	08/17/06	11.93	321.76	<250	<2.5	<2.5	<2.5	<2.5	7,700 (9,100)	0.43	
	11/24/06	13.01	320.68	<250	<2.5	<2.5	<2.5	<2.5	8,400	0.29	
	02/21/07	12.91	320.78	<50	<0.5	<0.5	<0.5	<0.5	3,600	0.24	
	05/15/07	13.40	320.29	<50	<0.5	<0.5	<0.5	<0.5	2,500	0.29	
	08/28/07	13.40	320.29	<50	<0.5	<0.5	<0.5	<0.5	170	0.40	
	12/21/07	13.40	320.29	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.68	
	02/26/08	12.60	321.09	<50	<0.5	<0.5	<0.5	<0.5	7.0	0.86	
	05/21/08	13.45	320.24	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.94	
	08/13/08	13.37	320.32	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.91	
	11/13/08	13.50	320.19	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.94	
	02/06/09	13.67	320.02	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.87	
	05/28/09	13.25	320.44	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.71	
	08/13/09	13.26	320.43	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.77	
	11/24/09	13.28	320.41	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.80	
	02/11/10	13.04	320.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.81	
	06/04/10	12.93	320.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.94	
	08/12/10	12.80	320.89	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.77	
	11/30/10	13.08	320.61	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.72	
	02/21/11	12.38	321.31	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.91	
	05/17/11	12.82	320.87	---	---	---	---	---	---	---	
	08/03/11	12.88	320.81	---	---	---	---	---	---	---	
	02/15/12	13.42	320.27	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.83	
	08/25/12	12.77	320.92	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.73	
	02/26/13	13.15	320.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.8	
	12/31/13	13.10	320.59	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.38	
	04/24/14	**12.91**	**320.78**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.09**	
MW-2	10/04/94	8.56	320.62	2300	160	280	96	480	--		
329.29	11/30/94	8.33	320.85	1,600	170	16	110	120	--		
	03/02/95	8.35	320.83	1,200	220	5.6	140	36	--		
	06/07/95	8.62	320.56	160	25	<0.5	16	<0.5	240		
	09/26/95	8.71	320.47	150	15	<0.5	7.2	<0.5	120		
	12/28/95	8.78	320.4	400	34	1.3	26	5.1	170		
	02/29/96	7.82	321.36	120	29	<0.5	<0.5	<0.5	790		
	06/27/96	8.72	320.46	150	13	<0.5	7	<0,5	850		
	09/12/96	8.81	320.48	<1,000	18	<10	<10	<10	3,100		
	03/31/97	8.65	320.64	<500	<5.0	<5.0	<5.0	<5.0	1,400		

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
MW-2 (cont'd)	12/23/98	8.32	320.97	<50	<0.5	<0.5	<0.5	<1.5	900		
	03/25/99	7.89	321.4	<50	2.6	<0.5	<0.5	<0.5	1,100 (670)		
	02/03/00	7.53	321.76	<125	<1.25	<1.25	<1.25	<1.25	1,020 (1,100)		
	01/23/01	8.18	321.11	<50.0	<0.5	<0.5	<0.5	<0.5	642		
	05/01/01	8.43	320.86	70.8	<0.5	<0.5	<0.5	<0.5	342		
	08/28/01	8.39	320.9	<50	<0.5	<0.5	<0.5	<0.5	530		
	11/27/01	8.46	320.83	210	<0.5	<0.5	<0.5	<1.5	260		
	02/28/02	8.48	320.81	<50	<0.5	<0.5	<0.5	<1.5	180		
	05/22/02	8.14	321.15	<50	<0.5	<0.5	<0.5	<1.5	180		
	08/20/02	8.24	321.05	<50	<0.5	<0.5	<0.5	<1.5	160		
	11/11/02	8.06	321.23	<50	<0.5	<0.5	<0.5	<1.5	130		
	05/08/03	7.86	321.43	<50	<0.5	<0.5	<0.5	<0.5	180 (160)		
	12/15/04	8.60	320.69	<50	<0.5	<0.5	<0.5	<0.5	1,400 (1,600)		
	02/21/05	7.55	321.74	<50	<0.5	<0.5	<0.5	<0.5	800 (1,100)	1.35	
	05/17/05	8.52	320.77	<50	<0.5	<0.5	<0.5	<0.5	160 (210)	1.06	
	08/17/05	8.16	321.13	<50	<0.5	<0.5	<0.5	<0.5	190 (210)	0.90	
	11/27/05	9.00	320.29	<50	<0.5	<0.5	<0.5	<0.5	200 (210)	0.92	
	02/21/06	8.51	320.78	<50	<0.5	<0.5	<0.5	<0.5	240 (270)	0.33/0.46	
329.48	06/01/06	8.50	320.98	<50	<0.5	<0.5	<0.5	<0.5	120 (110)	0.38	TAME, TBA, DIPE, ETBE=ND
	07/07/06	8.57	320.91	--	--	--	--	--	--	--	
	08/17/06	8.21	321.27	<50	<0.5	<0.5	<0.5	<0.5	230(230)	0.30	
	11/24/06	8.87	320.61	<50	<0.5	<0.5	<0.5	<0.5	760	0.24	
	02/21/07	8.80	320.68	<50	<0.5	<0.5	<0.5	<0.5	1,100	0.21	
	05/15/07	8.94	320.54	<50	<0.5	<0.5	<0.5	<0.5	1,400	0.25	
	08/28/07	8.83	320.65	<50	<0.5	<0.5	<0.5	<0.5	1,800	0.33	
	12/21/07	8.93	320.55	<50	<0.5	<0.5	<0.5	<0.5	1,700	0.49	
	02/26/08	8.49	320.99	<50	<0.5	<0.5	<0.5	<0.5	590	0.51	
	05/21/08	9.06	320.42	<50	<0.5	<0.5	<0.5	<0.5	230	0.67	
	08/13/08	8.89	320.59	<50	<0.5	<0.5	<0.5	<0.5	190	0.77	
	11/13/08	9.16	320.32	<50	<0.5	<0.5	<0.5	<0.5	77	0.86	
	02/06/09	9.39	320.09	<50	<0.5	<0.5	<0.5	<0.5	20	0.81	
	05/28/09	8.86	320.62	<50	<0.5	<0.5	<0.5	<0.5	12	0.74	
	08/13/09	8.81	320.67	<50	<0.5	<0.5	<0.5	<0.5	10	0.69	
	11/24/09	9.04	320.44	<50	<0.5	<0.5	<0.5	<0.5	13	0.80	
	02/11/10	7.50	321.98	<50	<0.5	<0.5	<0.5	<0.5	7.8	0.76	
	06/04/10	8.80	320.68	<50	<0.5	<0.5	<0.5	<0.5	6.5	0.82	
	08/12/10	8.61	320.87	<50	<0.5	<0.5	<0.5	<0.5	8.0	0.85	
	11/30/10	8.99	320.49	<50	<0.5	<0.5	<0.5	<0.5	6.8	0.93	
	02/21/11	8.46	321.02	<50	<0.5	<0.5	<0.5	<0.5	7.5	0.95	
	05/17/11	8.58	320.90	---	---	---	---	---	---	---	
	08/03/11	8.82	320.66	---	---	---	---	---	---	---	
	02/15/12	9.09	320.39	<50	<0.5	<0.5	<0.5	<0.5	7.2	1.31	
	08/25/12	8.72	320.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.74	
	02/26/13	8.90	320.58	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.1	
	12/31/13	8.81	320.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.41	
	04/24/14	**8.85**	**320.63**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.00**	
MW-3A	05/29/06	10.13	321.28	--	--	--	--	--	--	--	0.03 SPH
331.39	07/07/06	10.15	321.24	4,200	340	27	75	79	32,000	--	
	08/17/06	9.56	321.83	6,200	410	68	100	650	28,000(34,000)	0.19	
	11/24/06	10.73	320.66	2,100	190	11	72	220	7,900	0.10	
	02/21/07	10.52	320.87	7,100	890	28	440	470	8,400	0.17	
	05/15/07	11.46	319.93	1,800	210	11	96	88	3,500	0.25	
	08/28/07	11.62	319.77	1,900	260	6.9	110	74	3,400	0.28	
	12/21/07	11.33	320.06	4,700	570	160	120	970	2,800	0.54	
	02/26/08	10.25	321.14	7,200	550	32	440	690	1,800	0.49	
	05/21/08	11.52	319.87	1,600	130	2.9	40	94	700	0.55	
	08/13/08	11.62	319.77	2,900	280	3.4	52	56	1,300	0.52	
	11/13/08	11.55	319.84	1,200	150	3.5	22	31	1,100	0.64	
	02/06/09	11.70	319.69	5,800	780	25	260	390	1,600	0.69	
	05/28/09	11.30	320.09	1,500	200	9.0	57	190	500	0.70	
	08/13/09	11.40	319.99	1,900	240	6.3	29	72	940	0.81	
	11/24/09	11.22	320.17	970	98	5.2	25	41	360	0.79	
	02/11/10	10.87	320.52	2,100	330	8.6	27	34	1,200	0.72	
	06/04/10	10.60	320.79	2,300	250	31	40	330	800	0.69	
	08/12/10	10.75	320.64	1,800	260	9.2	50	120	730	0.63	
	11/30/10	10.61	320.78	23,000	490	140	220	5,800	4,800	0.80	
	02/21/11	9.59	321.80	19,000	430	33	160	3,500	4,000	0.74	
	05/17/11	10.56	320.83	17,000	530	27	390	3,000	2,900	0.43	
	08/03/11	10.68	320.71	9,400	380	13	380	730	1,700	0.56	
	02/15/12	11.46	319.93	7,100	180	15	89	360	870	0.62	
	08/25/12	10.76	320.63	6,200	370	10	39	80	860	0.92	
	02/26/13	10.35	321.04	9,300	290	37	290	1,600	<450	1.0	Naphthalene = 240 µg/L
	12/31/13	10.30	321.09	22,000	290	25	400	3,000	<350	0.41	Naphthalene = 660 µg/L
	04/04/14	**10.09**	**321.30**	**3,700**	**100**	**5.1**	**50**	**240**	**87**	**1.30/1.56**	**Post AS/BOC Naphthalene = 110 µg/L**
	04/07/14	**10.35**	**321.04**	**3,300**	**110**	**5.1**	**46**	**270**	**100**	**0.04/0.63**	**Naphthalene = 130 µg/L**
	04/09/14	**10.45**	**320.94**	**3,600**	**130**	**6.6**	**60**	**320**	**130**	**0.06/0.86**	**Naphthalene = 130 µg/L**
	04/10/14	**10.49**	**320.90**	**3,600**	**150**	**7.4**	**75**	**360**	**130**	**0.06/0.81**	**Naphthalene = 160 µg/L**
	04/11/14	**10.72**	**320.67**	**3,300**	**130**	**4.8**	**54**	**280**	**<180**	**0.14/0.33**	**Naphthalene = 150 µg/L**
	04/18/14	**10.65**	**320.74**	**3,700**	**140**	**7.2**	**72**	**280**	**130**	**0.00/1.09**	
	04/24/14	**10.79**	**320.60**	**3,300**	**100**	**7.6**	**54**	**230**	**120**	**0.00**	**Naphthalene = 170 µg/L**

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
MW-4	03/01/96	9.9	322.74	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
332.63	04/02/96	9.77	322.87	--	--	--	--	--	--		
	06/27/96	10	322.64	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	09/12/96	11.67	320.96	<50	<0.5	<0.5	<0.5	<0.5	3.5		
	03/31/97	10.59	322.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	12/23/98	10.37	322.26	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
	03/25/99	9.91	322.72	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	02/03/00	10.32	322.31	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 (3)		
	01/23/01	10.54	322.09	<50	<0.5	<0.5	<0.5	<0.5	<5.0		
	05/01/01	10.32	322.31				SAMPLED ANNUALLY				
	08/28/01	10.57	322.06				SAMPLED ANNUALLY				
	11/27/01	10.29	322.34				SAMPLED ANNUALLY				
	02/28/02	10.3	322.33	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
	05/22/02	10.12	322.51				SAMPLED ANNUALLY				
	08/20/02	10.43	322.2				SAMPLED ANNUALLY				
	11/11/02	9.89	322.74				SAMPLED ANNUALLY				
	05/08/03	9.79	322.84	<50	<0.5	<0.5	<0.5	<0.5	<2		
	12/15/04	10.56	322.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0		
	02/21/05	9.50	323.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0 (<0.5)	1.60	
	05/17/05	10.20	322.43				SAMPLED ANNUALLY			1.29	
	08/17/05	10.50	322.13				SAMPLED ANNUALLY			1.10	
	11/27/05	11.07	321.56				SAMPLED ANNUALLY			1.01	
	02/21/06	10.53	322.10	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.14/0.90	
332.64	05/29/06	10.33	322.31				SAMPLED ANNUALLY			--	
	07/07/06	10.52	322.12	--	--	--	--	--	--	--	
	08/17/06	10.45	322.19	--	--	--	--	--	--	--	
	11/24/06	10.95	321.69	--	--	--	--	--	--	0.22	
	02/21/07	10.71	321.93	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.40	
	05/15/07	11.24	321.40	--	--	--	--	--	--	--	
	08/28/07	11.42	321.22	--	--	--	--	--	--	0.52	
	12/21/07	11.26	321.38	--	--	--	--	--	--	0.81	
	02/26/08	10.12	322.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.06	
	05/21/08	11.30	321.34	--	--	--	--	--	--	0.98	
	08/13/08	11.23	321.41	--	--	--	--	--	--	0.71	
	11/13/08	10.93	321.71	--	--	--	--	--	--	--	
	02/06/09	10.98	321.66	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.67	
	05/28/09	10.96	321.68	--	--	--	--	--	--	--	
	08/13/09	11.23	321.41	--	--	--	--	--	--	--	
	11/24/09	11.15	321.49	--	--	--	--	--	--	--	
	02/11/10	10.17	322.47	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.69	
	06/04/10	10.52	322.12	---	---	---	---	---	---	---	
	08/12/10	10.72	321.92	---	---	---	---	---	---	---	
	11/30/10	10.75	321.89	---	---	---	---	---	---	---	
	02/21/11	9.29	323.35	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.61	
	05/17/11	10.37	322.27	---	---	---	---	---	---	---	
	08/03/11	10.49	322.15	---	---	---	---	---	---	---	
	02/15/12	11.18	321.46	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.89	
	08/25/12	10.83	321.81	--	--	--	--	--	--	--	
	02/26/13	11.00	321.64	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.7	
	12/31/13	11.15	321.49	--	--	--	--	--	--	0.73	
	04/24/14	**10.90**	**321.74**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.06**	
MW-5	03/01/96	10.62	322.58	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
333.47	04/02/96	10.14	323.06	--	--	--	--	--	--		
	06/27/96	10.22	322.98	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	09/12/96	10.85	322.19	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	03/31/97	10.44	322.6	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	12/23/98	10.21	322.83	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
	03/25/99	9.92	323.12	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	02/03/00	9.63	323.41	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.03		
	01/23/01	10.35	322.69	<50	<0.5	<0.5	<0.5	<0.5	<5.0		
	05/01/01	10.34	322.7				SAMPLED ANNUALLY				
	08/28/01	10.44	322.6				SAMPLED ANNUALLY				
	11/27/01	10.17	322.87				SAMPLED ANNUALLY				
	02/28/02	10.2	322.84	<50	<0.5	<0.5	<0.5	<1.5	<2.5		
	05/22/02	10.38	322.66				SAMPLED ANNUALLY				
	08/20/02	10.36	322.68				SAMPLED ANNUALLY				
	11/11/02	10.03	323.01				SAMPLED ANNUALLY				
	05/08/03	9.56	323.48	<50	<0.5	<0.5	<0.5	<0.5	3.4/<0.5		
	12/15/04	10.08	322.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0		
	02/21/05	9.90	323.14	<50	<0.5	<0.5	<0.5	<0.5	<5.0 (0.54)	1.62	
	05/17/05	10.33	322.71				SAMPLED ANNUALLY			1.47	
	08/17/05	10.40	322.64				SAMPLED ANNUALLY			1.18	
333.13	11/27/05	10.43	322.61				SAMPLED ANNUALLY			1.19	
	02/21/06	10.32	322.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.48/0.76	
	05/29/06	10.41	322.72				SAMPLED ANNUALLY			--	
	07/07/06	10.46	322.67	--	--	--	--	--	--	--	
	08/17/06	10.49	324.19	--	--	--	--	--	--	--	
	11/24/06	10.92	322.21	--	--	--	--	--	--	0.27	
	02/21/07	10.90	322.23	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.73	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
MW-5 (cont'd)	05/15/07	10.97	322.16	--	--	--	--	--	--	--	
	08/28/07	11.07	322.06	--	--	--	--	--	--	0.55	
	12/21/07	10.80	322.33	--	--	--	--	--	--	0.97	
	02/26/08	10.38	322.75	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.01	
	05/21/08	10.97	322.16	--	--	--	--	--	--	0.95	
	08/13/08	10.98	322.15	--	--	--	--	--	--	0.99	
	11/13/08	11.01	322.12	--	--	--	--	--	--	--	
	02/06/09	11.05	322.08	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.82	
	05/28/09	10.80	322.33	--	--	--	--	--	--	--	
	08/13/09	10.90	322.23	--	--	--	--	--	--	--	
	11/24/09	10.96	322.17	--	--	--	--	--	--	--	
	02/11/10	10.50	322.63	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.80	
	06/04/10	10.68	322.45	---	---	---	---	---	---	---	
	08/12/10	10.61	322.52	---	---	---	---	---	---	---	
	11/30/10	10.68	322.45	---	---	---	---	---	---	---	
	02/21/11	10.35	322.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.78	
	05/17/11	10.56	322.57	---	---	---	---	---	---	---	
	08/03/11	10.66	322.47	---	---	---	---	---	---	---	
	02/15/12	10.82	322.31	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.02	
	08/25/12	10.70	322.43	--	--	--	--	--	--	--	
	02/26/13	10.65	322.48	<50	<0.5	<0.5	<0.5	<0.5	7.0	2.7	
	12/31/13	10.91	322.22	--	--	--	--	--	--	0.49	
	04/24/14	**10.88**	**322.25**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**5.5**	**0.09**	
MW-6A	06/01/06	10.38	321.43	620	20	<2.5	<2.5	43	5,700 (5,300)	0.73	TAME, TBA, DIPE, ETBE=ND
331.81	07/07/06	10.15	321.66	--	--	--	--	--	--	--	
	08/17/06	9.69	322.12	860	55	3.1	31	41	5,300(6,200)	0.49	
	11/24/06	11.10	320.71	330	14	<2.5	11	3.4	5,500	0.37	
	02/21/07	10.72	321.09	360	13	1.8	16	34	4,400	0.50	
	05/15/07	11.69	320.12	<500	40	5.3	11	16	7,300	0.52	
	08/28/07	11.98	319.83	<250	<2.5	<2.5	<2.5	<2.5	7,300	0.39	
	12/21/07	11.31	320.50	4,400	200	45	50	550	3,500	0.45	
	02/26/08	10.15	321.66	6,800	740	130	290	600	330	0.61	
	05/21/08	11.60	320.21	1,900	150	8.1	44	100	88	0.63	
	08/13/08	11.91	319.90	1,200	84	3.7	36	18	<75	0.42	
	11/13/08	11.73	320.08	150	15	1.4	3.0	4.2	35	0.44	
	02/06/09	11.66	320.15	550	100	9.3	22	34	<90	0.48	
	05/28/09	11.45	320.36	600	98	14	21	42	48	0.55	
	08/13/09	11.49	320.32	79	1.6	1.5	0.66	0.76	9.4	0.69	
	11/24/09	11.15	320.66	240	21	3.7	5.8	20	<20	0.72	
	02/11/10	10.80	321.01	2,400	370	65	47	320	<100	0.55	
	06/04/10	10.44	321.37	2,800	500	85	87	500	<100	0.68	
	08/12/10	10.65	321.16	4,000	240	39	160	770	<50	0.72	
	11/30/10	10.69	321.12	22,000	640	210	940	4,300	<250	0.89	
	02/21/11	9.79	322.02	8,100	330	93	340	1,700	<35	0.62	
	05/17/11	10.78	321.03	16,000	870	75	780	2,500	<19	0.83	
	08/03/11	10.92	320.89	6,000	620	24	340	830	<50	0.47	
	02/15/12	11.95	319.86	13,000	480	49	580	1,300	<50	0.78	
	08/25/12	11.20	320.61	7,000	220	34	200	840	<50	0.47	
	02/26/13	11.90	319.91	5,700	430	31	190	730	<50	0.97	Naphthalene = 310 µg/L
	12/31/13	11.02	320.79	7,100	460	20	150	520	<80	0.61	Naphthalene = 330 µg/L
	04/04/14	**10.28**	**321.53**	**920**	**94**	**2.7**	**9.8**	**35**	**3.2**	**2.44/0.97**	**Post AS/BOC Naphthalene = 25 µg/L**
	04/07/14	**10.44**	**321.37**	**1,000**	**130**	**3.1**	**5.3**	**42**	**<10**	**0.30/0.18**	**Naphthalene = 67 µg/L**
	04/09/14	**11.10**	**320.71**	**940**	**150**	**2.6**	**12**	**39**	**<10**	**0.34/3.11**	**Naphthalene = 35 µg/L**
	04/10/14	**10.75**	**321.06**	**800**	**140**	**2.4**	**12**	**50**	**<10**	**0.09/1.08**	**Naphthalene = 39 µg/L**
	04/11/14	**10.72**	**321.09**	**1,000**	**150**	**2.4**	**10**	**50**	**<10**	**0.02/1.41**	**Naphthalene = 46 µg/L**
	04/18/14	**10.94**	**320.87**	**920**	**160**	**2.9**	**13**	**43**	**<10**	**0.52/0.98**	
	04/24/14	**11.09**	**320.72**	**960**	**150**	**1.7**	**9.0**	**26**	**<10**	**0.00**	**Naphthalene = 68 µg/L**
MW-7A	05/31/06	9.19	321.52	<50	1.3	<0.5	0.79	0.82	760 (770)	0.40	TAME, TBA, DIPE, ETBE=ND
330.71	07/07/06	9.17	321.54	--	--	--	--	--	--	--	
	08/17/06	8.68	322.03	60	1.1	<0.5	<0.5	1.1	930 (1,400)	0.29	
	11/24/06	9.88	320.83	<50	<0.5	<0.5	<0.5	<0.5	260	0.20	
	02/21/07	9.59	321.12	<50	4.6	<0.5	0.62	2.2	270	0.35	
	05/15/07	10.15	320.56	<50	<0.5	<0.5	<0.5	<0.5	45	0.40	
	08/28/07	10.09	320.62	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.42	
	12/21/07	10.00	320.71	3,200	180	38	100	410	890	0.68	
	02/26/08	8.78	321.93	1,300	150	1.8	59	99	410	0.90	
	05/21/08	10.16	320.55	200	18	<0.5	3.3	<0.5	30	0.75	
	08/13/08	10.27	320.44	<50	<0.5	<0.5	<0.5	<0.5	24	0.81	
	11/13/08	10.27	320.44	<50	<0.5	<0.5	<0.5	<0.5	30	0.85	
	02/06/09	10.22	320.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.83	
	05/28/09	9.91	320.80	--	--	--	--	--	--	--	
	08/13/09	9.98	320.73	--	--	--	--	--	--	--	
	11/24/09	9.93	320.78	--	--	--	--	--	--	--	
	02/11/10	9.39	321.32	360	75	0.83	4.8	62	200	0.90	
	06/04/10	9.43	321.28	---	---	---	---	---	---	---	
	08/12/10	9.50	321.21	---	---	---	---	---	---	---	
	11/30/10	9.73	320.98	---	---	---	---	---	---	---	
	02/21/11	8.37	322.34	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.87	
	05/17/11	9.33	321.38	---	---	---	---	---	---	---	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
MW-7A (cont'd)	08/03/11	9.58	321.13	---	---	---	---	---	---	---	
	02/15/12	10.54	320.17	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.85	
	08/25/12	9.66	321.05	--	--	--	--	--	--	--	
	02/26/13	9.77	320.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.0	
	12/31/13	9.94	320.77	--	--	--	--	--	--	0.49	
	04/07/14	**9.30**	**321.41**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.10/0.01**	**Post AS/BOC Naphthalene = <0.5**
	04/10/14	**9.45**	**321.26**	**<50**	**0.56**	**<0.5**	**<0.5**	**<0.5**	**10**	**0.01/0.00**	**Naphthalene = <0.5**
	04/24/14	**9.82**	**320.89**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**5.9**	**0.00**	
MW-8A	05/29/06	9.55	321.64	<50	<0.5	<0.5	<0.5	<0.5	20 (18)	0.39	TAME, TBA, DIPE, ETBE=ND
331.19	07/07/06	9.20	321.99	--	--	--	--	--	--	--	
	08/17/06	8.73	322.46	<50	<0.5	<0.5	<0.5	<0.5	19 (26)	0.26	
	11/24/06	9.80	321.39	<50	<0.5	<0.5	<0.5	<0.5	34	0.21	
	02/21/07	9.81	321.38	<50	<0.5	<0.5	<0.5	<0.5	16	0.29	
	05/15/07	10.05	321.14	<50	<0.5	<0.5	<0.5	<0.5	13	0.33	
	08/28/07	9.83	321.36	<50	<0.5	<0.5	<0.5	<0.5	19	0.35	
	12/21/07	10.36	320.83	<50	<0.5	<0.5	<0.5	<0.5	16	0.61	
	02/26/08	8.33	322.86	<50	<0.5	<0.5	<0.5	<0.5	38	0.77	
	05/21/08	9.99	321.20	<50	<0.5	<0.5	<0.5	<0.5	13	0.81	
	08/13/08	10.49	320.70	<50	<0.5	<0.5	<0.5	<0.5	68	0.65	
	11/13/08	10.39	320.80	<50	<0.5	<0.5	<0.5	<0.5	110	0.68	
	02/06/09	10.42	320.77	<50	<0.5	<0.5	<0.5	<0.5	75	0.70	
	05/28/09	9.90	321.29	<50	<0.5	<0.5	<0.5	<0.5	36	0.66	
	08/13/09	9.78	321.41	<50	<0.5	<0.5	<0.5	<0.5	68	0.74	
	11/24/09	9.76	321.43	<50	<0.5	<0.5	<0.5	<0.5	66	0.71	
	02/11/10	9.33	321.86	<50	<0.5	<0.5	<0.5	<0.5	56	0.63	
	06/04/10	8.95	322.24	<50	<0.5	<0.5	<0.5	<0.5	30	0.69	
	08/12/10	9.24	321.95	<50	<0.5	<0.5	<0.5	<0.5	28	0.75	
	11/30/10	13.19	318.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.69	
	02/21/11	12.65	318.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.68	
	05/17/11	9.44	321.75	---	---	---	---	---	---	---	
	08/03/11	9.14	322.05	---	---	---	---	---	---	---	
	02/15/12	9.33	321.86	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.91	
	08/25/12	13.25	317.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.40	
	02/26/13	11.86	319.33	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.3	
	12/31/13	10.91	320.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.56	
	04/24/14	**11.80**	**319.39**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.53**	
MW-9A	05/29/06	10.13	321.04	<50	<0.5	<0.5	<0.5	<0.5	210 (210)	0.46	TAME, TBA, DIPE, ETBE=ND
331.17	07/07/06	9.96	321.21	--	--	--	--	--	--	--	
	08/17/06	9.40	321.77	150	<0.5	1.3	<0.5	<0.5	79(100)	0.53	
	11/24/06	11.02	320.15	200	<0.5	2.4	<0.5	<0.5	31	0.38	
	02/21/07	10.53	320.64	<50	<0.5	<0.5	<0.5	<0.5	21	0.33	
	05/15/07	10.81	320.36	86	<0.5	<0.5	<0.5	<0.5	31	0.45	
	08/28/07	11.11	320.06	95	<0.5	1.4	<0.5	<0.5	10	0.38	
	12/21/07	10.76	320.41	120	<0.5	2.9	<0.5	0.51	9.5	0.50	
	02/26/08	9.71	321.46	120	<0.5	1.2	<0.5	<0.5	9.5	0.86	
	05/21/08	10.75	320.42	86	<0.5	<0.5	<0.5	<0.5	6.3	0.84	
	08/13/08	11.31	319.86	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.76	
	11/13/08	11.14	320.03	52	<0.5	<0.5	<0.5	<0.5	5.5	0.63	
	02/06/09	11.16	320.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.61	
	05/28/09	10.75	320.42	--	--	--	--	--	--	--	
	08/13/09	10.65	320.52	--	--	--	--	--	--	--	
	11/24/09	10.48	320.69	--	--	--	--	--	--	--	
	02/11/10	10.16	321.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.63	
	06/04/10	9.80	321.37	---	---	---	---	---	---	---	
	08/12/10	10.08	321.09	---	---	---	---	---	---	---	
	11/30/10	10.10	321.07	---	---	---	---	---	---	---	
	02/21/11	9.45	321.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.73	
	05/17/11	10.07	321.10	---	---	---	---	---	---	---	
	08/03/11	10.38	320.79	---	---	---	---	---	---	---	
	02/15/12	11.52	319.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.73	
	08/25/12	10.78	320.39	--	--	--	--	--	--	--	
	02/26/13	11.00	320.17	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.0	
	12/31/13	11.21	319.96	--	--	--	--	--	--	0.61	
	04/24/14	**11.11**	**320.06**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**1.03**	
MW-10A	05/29/06	11.60	318.33	<50	<0.5	<0.5	<0.5	0.67	5.3 (4.7)	0.68	TAME, TBA, DIPE, ETBE=ND
329.93	07/07/06	9.78	320.15	--	--	--	--	--	--	--	
	08/17/06	8.80	321.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.47	
	11/24/06	12.61	317.32	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.26	
	02/21/07	8.96	320.97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.25	
	05/15/07	9.22	320.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.30	
	08/28/07	8.44	321.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.35	
	12/21/07	8.81	321.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.47	
	02/26/08	7.34	322.59	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.70	
	05/21/08	9.22	320.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.64	
	08/13/08	9.25	320.68	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.61	
	11/13/08	9.47	320.46	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.70	
	02/06/09	9.50	320.43	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.68	
	05/28/09	9.11	320.82	--	--	--	--	--	--	--	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
MW-10A (cont'd)	08/13/09	9.21	320.72	--	--	--	--	--	--	--	
	11/24/09	9.26	320.67	--	--	--	--	--	--	--	
	02/11/10	8.35	321.58	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.64	
	06/04/10	8.73	321.20	---	---	---	---	---	---	---	
	08/12/10	8.85	321.08	---	---	---	---	---	---	---	
	11/30/10	9.02	320.91	---	---	---	---	---	---	---	
	02/21/11	7.78	322.15	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.70	
	05/17/11	11.61	318.32	---	---	---	---	---	---	---	
	08/03/11	11.39	318.54	---	---	---	---	---	---	---	
	02/15/12	9.68	320.25	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.26	
	08/25/12	9.11	320.82	--	--	--	--	--	--	--	
	02/26/13	9.16	320.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.0	
	12/31/13	9.32	320.61	--	--	--	--	--	--	0.70	
	04/24/14	**9.10**	**320.83**	**<50**	**<0.5**	**<0.5**	**<0.5**	**0.54**	**<5.0**	**0.07**	
Intermediate-Depth (B-zone) Wells											
MW-6B	06/01/06	8.41	322.49	<50	<0.5	<0.5	<0.5	<0.5	18 (16)	0.34	TAME, TBA, DIPE, ETBE=ND
330.9	07/07/06	8.55	322.35	--	--	--	--	--	--	--	
	08/17/06	8.66	322.24	<50	<0.5	<0.5	<0.5	<0.5	8.5(9.6)	0.40	
	11/24/06	9.25	321.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.31	
	02/21/07	8.80	322.10	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.37	
	05/15/07	9.21	321.69	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.31	
	08/28/07	9.60	321.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.51	
	12/21/07	9.42	321.48	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.82	
	02/26/08	7.87	323.03	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.80	
	05/21/08	9.37	321.53	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.87	
	08/13/08	9.70	321.20	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.81	
	11/13/08	9.62	321.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.78	
	02/06/09	9.53	321.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.71	
	05/28/09	9.23	321.67	--	--	--	--	--	--	--	
	08/13/09	9.63	321.27	--	--	--	--	--	--	--	
	11/24/09	9.63	321.27	--	--	--	--	--	--	--	
	02/11/10	8.41	322.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.68	
	06/04/10	8.72	322.18	---	---	---	---	---	---	---	
	08/12/10	9.10	321.80	---	---	---	---	---	---	---	
	11/30/10	9.02	321.88	---	---	---	---	---	---	---	
	02/21/11	8.11	322.79	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.66	
	05/17/11	8.83	322.07	---	---	---	---	---	---	---	
	08/03/11	9.16	321.74	---	---	---	---	---	---	---	
	02/15/12	9.83	321.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.91	
	08/25/12	9.81	321.09	--	--	--	--	--	--	--	
	02/26/13	9.41	321.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.1	
	12/31/13	9.88	321.02	--	--	--	--	--	--	0.68	
	04/24/14	**9.64**	**321.26**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.25**	
MW-7B	05/31/06	9.05	321.64	<50	0.79	<0.5	<0.5	0.75	6.4 (6.6)	0.17	TAME, TBA, DIPE, ETBE=ND
330.69	07/07/06	9.03	321.66	--	--	--	--	--	--	--	
	08/17/06	8.62	322.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	11/24/06	9.75	320.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.27	
	02/21/07	9.44	321.25	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.29	
	02/21/07	9.44	321.25	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.29	
	05/15/07	9.97	320.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.33	
	08/28/07	9.96	320.73	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.51	
	12/21/07	9.87	320.82	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.53	
	02/26/08	8.64	322.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.59	
	05/21/08	10.05	320.64	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.56	
	08/13/08	10.17	320.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.51	
	11/13/08	10.15	320.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.53	
	02/06/09	10.18	320.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.55	
	05/28/09	9.80	320.89	--	--	--	--	--	--	--	
	08/13/09	9.89	320.80	--	--	--	--	--	--	--	
	11/24/09	9.85	320.84	--	--	--	--	--	--	--	
	02/11/10	9.24	321.45	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.81	
	06/04/10	9.35	321.34	---	---	---	---	---	---	---	
	08/12/10	9.37	321.32	---	---	---	---	---	---	---	
	11/30/10	9.80	320.89	---	---	---	---	---	---	---	
	02/21/11	8.69	322.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.85	
	05/17/11	9.23	321.46	---	---	---	---	---	---	---	
	08/03/11	9.42	321.27	---	---	---	---	---	---	---	
	02/15/12	10.18	320.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.73	
	08/25/12	9.64	321.05	--	--	--	--	--	--	--	
	02/26/13	9.70	320.99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	5.0	
	12/31/13	9.90	320.79	--	--	--	--	--	--	4.62	
	04/24/14	**9.74**	**320.95**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**0.00**	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
Deep (C-Zone) Wells											
MW-6C	06/01/06	8.21	322.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.29	TAME, TBA, DIPE, ETBE=ND
330.88	07/07/06	8.41	322.47	--	--	--	--	--	--	--	
	08/17/06	8.56	322.32	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.21	
	11/24/06	9.12	321.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.28	
	02/21/07	8.62	322.26	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.21	
MW-7C	05/31/06	8.65	322.09	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.12	TAME, TBA, DIPE, ETBE=ND
330.74	07/07/06	8.70	322.04	--	--	--	--	--	--	--	
	08/17/06	8.52	322.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.17	
	11/24/06	9.42	321.32	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.19	
	02/21/07	9.01	321.73	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.31	
MW-9C	05/29/06	16.59	314.89	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.28	TAME, TBA, DIPE, ETBE=ND
331.48	07/07/06	8.85	322.63	--	--	--	--	--	--	--	
	08/17/06	9.20	322.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.21	
	11/24/06	9.61	321.87	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.33	
	02/21/07	8.94	322.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.46	
MW-10C	05/29/06	7.28	322.38	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.16	TAME, TBA, DIPE, ETBE=ND
329.66	07/07/06	7.28	322.38	--	--	--	--	--	--	--	
	08/17/06	7.29	322.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	11/24/06	10.75	318.91	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.33	
	02/21/07	7.69	321.97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.39	
MW-11C	05/31/06	9.90	321.71	<50	<0.5	<0.5	<0.5	<0.5	11 (11)	0.29	TAME, TBA, DIPE, ETBE=ND
331.61	07/07/06	10.02	321.59	--	--	--	--	--	--	--	
	08/17/06	9.60	322.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.22	
	11/24/06	10.60	321.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.28	
	02/21/07	10.30	321.31	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.43	

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
Destroyed Wells											
MW-3	10/04/94	12.06	320.67	6,300	610	750	68	670	--		
332.86	11/30/94	11.38	321.35	17	3,600	490	430	610	--		
	03/02/95	11.97	320.76	8,500	2,200	<50	240	<50	64,000		
	06/07/95	11.54	321.19	3,000	710	18	220	44	3,100		
	09/26/95	12.36	320.37	<10,000	230	<100	130	<100	64,000		
	12/28/95	12.07	320.66	<12,500	760	<125	<125	<125	100,000		
	02/29/96	11.01	321.72	1,600	380	<10	84	17	33,000		
	06/27/96	11.93	320.8	1,400	<2.5	4.3	130	4	96,000		
	09/12/96	12.26	320.6	<10,000	560	<l00	110	<100	100,000		
	03/31/97	12.04	320.82	<25,000	1,200	370	<250	380	130,000		
	12/23/98	12.92	319.94	--	--	--	--	--	--		0.1' SPH; 0.079 gal SPH removed
	03/25/99	12.56	320.3	--	--	--	--	--	--		0.05' SPH; 0.05 gal SPH removed
	02/03/00	11.12	321.74	92,100	4,780	11,400	2,270	15,800	137,000 (162,000)		
	1/23/2001	11.78	321.08	60,600	4,810	7,500	1,870	11,000	148,000		Absorbent sock in well
	5/1/2001	10.66	322.2	56,000	3,760	5,640	<2,500	8,740	136,000		Absorbent sock in well
	8/28/2001	11.79	321.07	32,000	3,800	2,600	1,200	7,500	160,000		Absorbent sock in well
	11/27/2001	11.98	320.88	110,000	1,300	2,400	1,500	9,400	90,000		Absorbent sock removed
	02/28/02	11.81	321.05	24,000	1,900	820	520	3,100	90,000		
	05/22/02	11.6	321.26	110,000	4,000	3,200	2,800	18,000	140,000		
	08/20/02	11.81	321.05	37,000	2,600	1,500	890	4,800	110,000		
	11/11/02	11.63	321.23	81,000	2,900	2,100	2,100	14,000	110,000		
	05/08/03	10.91	321.95	5,700	770	69	130	365	76,000 (70,000)		
	12/15/04	11.97	320.89	33,000	1,700	430	1,300	7,000	70,000 (89,000)		
	02/21/05	10.81	322.06	--	--	--	--	--	--	1.29	0.01 SPH
	05/17/05	11.63	321.29	--	--	--	--	--	--	1.06	0.08 SPH
	08/17/05	10.83	322.03	39,000	1,500	260	780	2,700	42,000 (47,000)	0.93	
	11/27/05	12.29	320.72	--	--	--	--	--	--	--	0.19 SPH
	02/21/06	11.73	321.28	--	--	--	--	--	--	--	0.19 SPH
	03/30/06	--	--	--		**Well Destroyed**		--	--	--	Well Destroyed
EA-1	10/17/88	--	--	<50	<0.5	<0.5	<0.5	<0.5	--		
331.21	10/24/88	10.64	322.77	--	--	--	--	--	--		
	11/02/88	10.69	322.72	--	--	--	--	--	--		
	12/20/88	10.51	322.9	<50	<0.5	<0.5	<0.5	<0.5	--		
	03/28/89	9.87	323.54	<250	<0.5	<0.5	<0.5	<0.5	--		
	08/02/89	10.34	323.07	<50	<0.1	<0.1	<0.1	<0.1	--		
	11/06/89	10.65	322.76	<500	<3.0	<5.0	<5.0	<5.0	--		
	01/25/90	10.6	322.81	<50	<0.5	<0.5	<0.5	<0.5	--		
	04/23/90	10.58	322.83	71	2	5	3	8	--		
	08/01/90	10.88	322.53	300	86	21	10	33	--		
	10/24/91	11.12	322.29	280	69	13	11	16	--		
	01/31/91	11.16	322.25	460	160	11	17	17	--		
	08/21/91	10.8	322.61	2,400	400	220	44	120	--		
	08/21/91	10.8	322.61	2,300	390	210	42	120	--		Duplicate
	10/07/91	10.79	322.62	--	--	--	--	--	--		
	01/28/92	10.79	322.62	3,600	320	360	110	310	--		
	01/28/92	10.79	322.62	3,000	290	320	99	270	--		Duplicate
	06/05/92	10.84	322.57	1,700	290	89	61	130	--		
	09/30/92	11.06	322.35	2,100	160	260	80	350	--		
	12/30/92	10.15	323.26	3,200	240	180	110	310	--		
	03/29/93	9.42	323.99	23,000	700	3,000	610	3,000	--		
	06/25/93	10.42	322.99	2.7	130	590	130	590	--		
	09/16/93	10.66	322.75	3.9	410	830	220	890	--		
	12/20/93	10.6	322.81	27	1,200	2,600	1,100	4,200	--		
	03/29/94	10.41	323	6.3	250	700	200	830	--		
	06/22/94	10.4	323.01	4.1	71	240	110	460	<30		
	09/20/94	10.37	323.04	8,500	1,200	1,300	370	1,400	--		
	10/04/94	10.34	323.07	7,600	97	360	150	620	--		
	11/30/94	9.46	323.95	8,800	180	490	240	900	--		
	03/02/95	9.96	321.07	6.9	82	570	210	970	--		
	06/15/95	9.8	321.23	4.8	44	210	160	620	<25		
	09/26/95	10.48	320.55	13,000	150	620	370	1,400	<125		
	12/28/95	10.14	320.89	11,000	74	250	200	750	79		
	02/29/96	8.74	322.29	17,000	59	480	350	1,600	<l25		
	06/27/96	10.21	320.82	3,600	22	130	130	49	46		
	09/12/96	10.49	320.72	2,000	20	<10	18	44	<50		
	03/31/97	10.19	321.02	17,000	87	230	330	1,200	310		
	12/23/98	9.83	321.38	290	20	0.88	1.1	16	<2.5		
	03/25/99	9.13	322.08	500	21	<0.5	21	<0.5	18		
	02/03/00	9.05	322.16	2,310	35.7	90	21.8	147	1,280 (365)		
	01/23/01	--	--	--	--	--	--	--	--		Inaccessible
	05/01/01	9.82	321.39	7,710	19.9	12.6	22.3	64	31.8		
	08/28/01	10.04	321.17	4,800	69	<25	50	140	160		
	11/27/01	10.05	321.16	5,300	25	<5.0	30	120	<20		
	02/28/02	--	--	--	--	--	--	--	--		Inaccessible
	05/22/02	9.05	322.16	110	<1.0	<0.50	1	<1.5	<2.5		
	08/20/02	9.21	322	410	2.6	<0.50	8.5	29	<5.0		
	11/11/02	9.01	322.2	3,800	<0.50	1.3	17	47	<5.0		
	05/08/03	8.23	322.98	1,700	11	0.97	63	161	<2.0		

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Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
EA-1 (cont'd)	12/15/04	--	--	--	--	--	--	--	--		Inaccessible
	02/21/05	--	--	--	--	--	--	--	--		Inaccessible
	05/17/05	--	--	--	--	--	--	--	--		Inaccessible
	08/17/05	--	--	--	--	--	--	--	--		Inaccessible
	11/27/05	--	--	--	--	--	--	--	--		Inaccessible
	02/21/06	--	--	--	--	--	--	--	--		Inaccessible
	03/31/06	--	--	--		**Well Destroyed**		--	--	--	Well Destroyed
EA-2	10/17/88	--	--	<50	<0.5	<0.5	<0.5	1.2	--		
330.41	10/24/88	9.7	322.89	--	--	--	--	--	--		
	11/02/88	10.03	322.56	--	--	--	--	--	--		
	12/20/88	9.98	322.61	<50	<0.5	<0.5	<0.5	<0.5	--		
	03/28/89	8.8	323.79	<250	<2	<0.5	<0.5	<0.5	--		
	08/02/89	9.44	323.15	<50	<0.1	<0.1	<0.1	<0.1	--		
	11/06/89	9.53	323.06	<500	<3.0	<5.0	<5.0	<5.0	--		
	01/25/90	9.27	323.32	<50	<0.5	<0.5	<0.5	<0.5	--		
	04/23/90	9.35	323.24	<50	0.6	0.8	<0.5	2	--		
	08/01/90	9.71	322.88	<50	<0.5	<0.5	<0.5	<0.5	--		
	10/24/90	10.08	322.51	<50	<0.5	<0.5	<0.5	<0.5	--		
	01/31/91	10.21	322.38	<50	<0.5	<0.5	<0.5	<0.5	--		
	01/31/91	10.21	322.38	<50	<0.5	<0.5	<0.5	<0.5	--		Duplicate
	08/21/91	9.8	322.79	<50	<0.5	<0.5	<0.5	<0.5	--		
	10/07/91	9.98	322.61	--	--	--	--	--	--		
	01/28/92	9.81	322.78	<50	0.8	<0.5	<0.5	<0.5	--		
	06/05/92	9.86	322.73	<50	<0.5	<0.5	<0.5	<0.5	--		
	09/30/92	10.6	321.99	66	1	3.2	1.3	7.4	--		
	12/30/92	9.11	323.48	<50	<0.5	<0.5	<0.5	<0.5	--		
	03/29/93	7.73	324.86	<50	<0.5	<0.5	<0.5	<1.5	--		
	06/25/93	9.22	323.37	<50	<0.5	<0.5	<0.5	<1.5	--		
	09/16/93	10	322.59	<50	<0.5	<0.5	<0.5	<1.5	--		
	12/20/93	9.38	323.21	<50	<0.5	<0.5	<0.5	<0.5	--		
	03/29/94	9.3	323.29	<50	<0.5	0.6	<0.5	<0.5	--		
	06/22/94	9.49	323.1	<50	<0.5	<0.5	<0.5	<0.5	--		
	09/26/94	9.72	322.87	<50	<0.5	<0.5	<0.5	<0.5	--		
	10/04/94	9.58	323.01	<50	<0.5	<0.5	<0.5	<0.5	--		
	11/30/94	8.7	323.89	<50	<0.5	<0.5	<0.5	<0.5	--		
	03/02/95	8.54	321.67	<50	<0.5	<0.5	<0.5	<0.5	--		
	06/07/95	8.42	321.79	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	09/26/95	9.34	320.87	540	6.8	<0.5	47	29	13		
	12/28/95	8.84	321.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	02/29/96	7.44	322.77	<50	<0.5	<0.5	<0.5	1.5	<2.5		
	06/27/96	8.83	321.38	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	09/12/96	9.4	321.01	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	03/31/97	9.11	321.3	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	12/23/98	8.91	321.5	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	03/25/99	8.1	322.31	<50	<0.5	<0.5	<0.5	<0.5	2.7		
	02/03/00	8.36	322.05	<50	<0.5	<0.5	<0.5	<0.5	<2.5 (<2.0)		
	01/23/01	9.08	321.33	441 (1)	1.27	0.542	40.3	31	72.9		
	05/01/01	8.87	321.54			SAMPLED ANNUALLY					
	08/28/01	9.45	320.96			SAMPLED ANNUALLY					
	11/27/01	9.5	320.91			SAMPLED ANNUALLY					
	02/28/02	9.05	321.36	<50	<0.50	<0.50	<0.5	<1.5	74		
	05/22/02	9.04	321.37			SAMPLED ANNUALLY					
	08/20/02	9	321.41			SAMPLED ANNUALLY					
	11/11/02	9.03	321.38			SAMPLED ANNUALLY					
	05/08/03	7.26	323.15	<50	<0.5	<0.5	<0.5	<0.5	2.2/0.9		
	12/15/04	8.96	321.45	<50	<0.5	<0.5	<0.5	<0.5	<5.0		
	02/21/05	7.20	323.21	<50	<0.5	<0.5	<0.5	<0.5	13 (11)	0.64	
	05/17/05	8.21	322.20			SAMPLED ANNUALLY				0.77	
	08/17/05	7.97	322.44			SAMPLED ANNUALLY				0.85	
	11/27/05	9.83	320.58			SAMPLED ANNUALLY				0.84	
	02/21/06	8.78	321.63	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.51/0.68	
	03/28/06	--	--	--		**Well Destroyed**		--	--	--	Well Destroyed
EA-3	10/17/88	--	--	<50	1.8	<0.5	<0.5	3	--		
331.5	10/24/88	11.03	322.61	--	--	--	--	--	--		
	11/02/88	11.03	322.61	--	--	--	--	--	--		
	12/20/88	10.96	322.68	240	90	1.2	13	3.3	--		
	03/28/89	9.77	323.87	2,300	380	130	240	910	--		
	08/02/89	10.65	322.99	<50	<0.1	<0.1	<0.1	<0.1	--		
	11/06/89	10.78	322.86	<500	<3.0	<5.0	<5.0	<5.0	--		
	01/25/90	10.66	322.98	<50	<0.5	<0.5	<0.5	<0.5	--		
	04/23/90	10.68	322.96	<50	0.8	<0.5	0.9	<0.5	--		
	08/01/90	11.03	322.61	<50	<0.5	<0.5	<0.5	<0.5	--		
	10/24/90	11.35	322.29	<50	<0.5	<0.5	<0.5	<0.5	--		
	01/31/91	11.52	322.12	<50	<0.5	<0.5	<0.5	<0.5	--		
	08/21/91	--	--	--	--	--	--	--	--		
	10/07/91	11.15	322.49	180	40	20	4.7	8.4	--		
	10/7/1991	--	--	200	43	17	4.1	6.7	--		Duplicate
	01/28/92	11.08	322.56	640	69	85	13	46	--		
	06/05/92	10.98	322.66	250	63	8.3	3	9.5	--		

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		
EA-3 (cont'd)	09/30/92	11.38	322.26	330	120	33	6.3	22	--		
	12/30/92	10.48	323.16	58	7.6	1.3	2.5	5.4	--		
	03/29/93	9.3	324.34	120	11	4.5	6.2	13	--		
	06/25/93	10.46	323.18	<50	<0.5	<0.5	<0.5	<1.5	--		
	09/16/93	10.9	322.74	85	3.9	8.8	4.5	22	--		
	12/20/93	10.66	322.98	190	12	12	13	50	--		
	03/29/94	10.5	323.14	<50	<0.5	1.2	<0.5	0.9	--		
	06/22/94	10.64	323	<50	<0.5	<0.5	<0.5	<0.5	<3.0		
	09/26/94	10.72	322.92	<50	<0.5	<0.5	<0.5	<0.5	--		
	10/04/94	10.68	322.96	<50	<0.5	<0.5	<0.5	0.7	--		
	11/30/94	9.66	323.98	170	6.1	3	6.5	28	--		
	03/02/95	9.92	321.38	<50	<0.5	<0.5	<0.5	<0.5	--		
	06/07/95	9.72	321.58	<50	<0.5	<0.5	<0.5	<0.5	3.2		
	09/26/95	10.6	320.7	2,000	140	<5.0	<5.0	190	280		
	12/28/95	9.82	321.48	<50	<0.5	<0.5	<0.5	<0.5	26		
	02/29/96	8.28	323.02	<50	2.1	<0.5	2.5	6	31		
	06/27/96	9.91	321.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
	09/12/96	10.59	320.91	13,000	<20	<20	<20	<20	48		
	03/31/97	--	--	--	--	--	--	--	--		Inaccessible
	04/15/97	10.25	321.25	<125	2	<1.2	<1.2	<1.2	680		
	12/23/98	--	--	--	--	--	--	--	--		Inaccessible
	03/25/99	--	--	--	--	--	--	--	--		Inaccessible
	02/03/00	--	--	--	--	--	--	--	--		Inaccessible
	01/23/01	10.31	321.19	862 (1)	3.97	1.15	18.9	48.6	289		
	05/01/01	10.15	321.35				SAMPLED SEMI-ANNUALLY				
	08/28/01	10.56	320.94	<50	<0.5	<0.5	<0.5	<0.5	37		
	11/27/01	10.65	320.85				SAMPLED SEMI-ANNUALLY				
	02/28/02	10.37	321.13	<50	1.3	<0.50	2	1.8	90		
	05/22/02	10.27	321.23				SAMPLED SEMI-ANNUALLY				
	08/20/02	10.3	321.2	<50	<0.50	<0.50	<0.50	<1.5	40		
	11/11/02	9.05	322.45				SAMPLED SEMI-ANNUALLY				
	05/08/03	8.83	322.67	<50	<0.5	<0.5	<0.5	<0.5	39/37		
	12/15/04	10.39	321.11	<50	<0.5	<0.5	<0.5	<0.5	18 (17)		
	02/21/05	8.80	322.70	<50	<0.5	<0.5	2.3	1.4	180 (290)	0.69	
	05/17/05	9.57	321.93	140	0.68	<0.5	6.6	0.94	250 (340)	0.86	
	08/17/05	9.23	322.27	3,800	11	3.7	110	24	200 (200)	0.99	
	11/27/05	11.05	320.45	150	<0.5	1.8	2.4	0.56	88 (85)	0.81	
	02/21/06	10.10	321.40	83	<0.5	0.72	1.7	<0.5	40 (49)	0.38/0.65	
	04/03/06	--	--	--		**Well Destroyed**		--	--	--	Well Destroyed
Grab Groundwater Analytical Data											
SB-1A-W	05/18/06	11.20	NA	170	1.5	1.5	1.2	5.9	570 (500)	--	TAME=90µg/L, TBA,DIPE,ETBE=ND
DPB-1	05/01/03	16-20	NA	12,000	25	440	440	2,180	8,100	--	
DPB-2	04/22/03	NA	NA	710	1.1	<1	18	74	540	--	
DPB-3	04/17/03	16-20	NA	48,000	400	5,800	1,500	9,500	8,900	--	
DPB-3	04/17/03	27-31	NA	62,000	700	9,900	1,300	7,900	4,200	--	
	04/17/03	39-43	NA	27,000	210	3,200	640	4,100	7,700	--	
DPB-4	04/17/03	32-36	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
DPB-5	04/30/03	7-11	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	04/17/03	11-15	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	04/30/03	26-30	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	04/17/03	36-40	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
DPB-6	04/18/03	15-19	NA	7,700	18	77	170	640	5.9	--	
	04/18/03	26-30	NA	4,700	21	76	160	650	6.2	--	
	04/18/03	35-39	NA	2,900	8.8	24	54	249	100	--	
DPB-7	04/18/03	15-19	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	04/18/03	20-24	NA	7,000	42	640	190	990	300	--	
	04/18/03	35-39	NA	150	<0.5	1.8	0.8	5.7	<0.5	--	
DPB-8	05/01/03	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
DPB-S	04/18/03	14-18	NA	20,000	<170	<170	380	6,600	53,000	--	
	04/18/03	26-30	NA	1,500	7.1	<3.1	7.4	170	760	--	
	04/18/03	35-39	NA	4,300	<63	<63	<63	910	42,000	--	

ABBREVIATIONS AND NOTES:

SPH = Separate-phase hydrocarbons; calculated groundwater elevation corrected for SPH by the relation: Groundwater Elevation = Well Elevation - Depth to Water +(0.8xSPH Thickness)
Groundwater monitoring data and laboratory analytical results prior to December 14, 2004, were scanned from a report by SOMA.
(ft) = Feet
(msl) = Mean sea level
TOC Elev. (ft) = Top of casing elevation
µg/L = Micrograms per liter - approximately equal to parts per billion = ppb
mg/L = Milligrams per liter - approximately equal to parts per million = ppm
TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015C
BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020/8021.
MTBE = Methyl tertiary butyl ether by EPA Method 8020/8021. (Concentrations in parentheses are by EPA Method 8260B).
1,2-DCA = 1,2-Dichloroethane
TAME = Tertiary amyl methyl ether by EPA Method 8260B
TBA = Tertiary butyl alcohol by EPA Method 8260B
DIPE = Diispopropyl ether by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether by EPA Method 8260B

Table 2. Groundwater Elevation and Analytical Data - Dublin Auto Wash, 7240 Dublin Boulevard, Dublin, CA

Well ID *TOC Elev* *(ft)*	Date Measured	Depth to Water (ft)	Groundwater Elevation (ft, msl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Dissolved Oxygen mg/L	Notes
				←			µg/L		→		

-- = Not Measured/Not Analyzed
1 Laboratory report indicates weathered gasoline C6-C12
Dissolved oxygen concentrations measured downhole pre-purge or pre-purge/post-purge
* = Cap loose, sprinkler runoff entering well

Pangea

Table 3. SVE (DPE) Performance Data - 7240 Dublin Blvd, Dublin, CA

Date	Wells	Oxidizer Hr Meter Reading (hours)	Total Time (days)	Interval Time (days)	System Vapor Flow Rate (cfm)	Applied Vacuum ("Hg)	Lab Sample ID	Influent TPHg Lab (ppmv)	Influent Benzene Lab Data (ppmv)	Influent OVA Reading (ppmv)	Removal: SVE TPHg Removal Rate (lbs/day)	Removal: SVE Benzene Removal Rate (lbs/day)	Removal: Cumulative SVE TPHg Removal (lbs)	Removal: Cumulative SVE Benzene Removal (lbs)	Emission Reporting: Effluent TPHg Lab	Effluent Benzene Lab (ppmv)	TPHg Abatement Efficiency (lbs/day)	Benzene Abatement Efficiency (lbs/day)	Benzene Emission Rate (lbs/day)	Cumulative Benzene Emission (lbs)	Cumulative Vapor Flow (cf)	Notes
09/15/10	All	1079.8	0.00	0.00	63	15	---	700	10	504	14.1	0.18	0.0	0	---	< 0.077	---	---	< 0.001	< 0.000	0	Startup Test
09/16/10	MW-3A,6A,7AA+VW-3	1082.7	0.12	0.12	65	21	---	800	10	596	16.7	0.19	2.0	0.02	---	< 0.077	---	---	< 0.001	< 0.000	11,310	Off on arrival. Suspect water backflo
09/17/10	MW-3A,6A,7AA+VW-3	1086.0	0.26	0.14	65	21	---	800	10	596	16.7	0.19	4.3	0.05	---	< 0.077	---	---	< 0.001	< 0.000	24,180	Installed water check valve. Restart u
09/20/10	MW-3A,6A,7AA+VW-3	1090.8	0.46	0.20	62	22	Influent	**810**	**11**	586	16.1	0.20	7.5	0.09	< **7.0**	< **0.077**	> **99.1**	> **99.3**	< 0.001	< 0.001	42,036	Off. Turn on. Collect vapor samples.
09/21/10	MW-3A,6A,7AA+VW-3	1111.2	1.31	0.85	88	20	---	800	15	940	22.6	0.38	26.7	0.42	---	< 0.077	---	---	< 0.002	< 0.002	149,748	On. Water samples.
09/23/10	MW-3A,6A,7AA+VW-3	1163.0	3.47	2.16	88	20	---	800	15	NM	22.6	0.38	75.5	1.24	---	< 0.077	---	---	< 0.002	< 0.007	423,252	Off about noon. Refuel 2:45pm. Off
09/24/10	MW-3A,6A,7AA+VW-3	1163.0	3.47	0.00	88	20	---	750	12	NM	21.2	0.31	75.5	1.24	---	< 0.077	---	---	< 0.002	< 0.007	423,252	Turn On 6:30 am.
09/25/10	MW-3A,6A,7AA+VW-3	1179.0	4.13	0.67	88	20	---	700	10	NM	19.8	0.26	88.7	1.41	---	< 0.077	---	---	< 0.002	< 0.008	507,732	On. Diesel delivery.
09/27/10	MW-3A,6A,7AA+VW-3	1226.5	6.11	1.98	88	20	---	700	10	NM	19.8	0.26	127.8	1.92	---	< 0.077	---	---	< 0.002	< 0.012	758,532	Off. Diesel delivery. Restart 8 pm.
09/29/10	MW-3A,6A,7AA+VW-3	1230.7	6.29	0.18	96	20	Influent	**640**	**6.8**	388	19.7	0.19	131.2	1.95	< **7.0**	< **0.077**	> **98.9**	> **98.9**	< 0.002	< 0.012	782,724	Off. Restart. Hi temp issue addressed
10/08/10	MW-3A,6A,7AA+VW-3	1384.0	12.68	6.39	94	16.5	---	640	6.8	477	19.3	0.19	254.4	3.14	----	< 0.077	---	---	< 0.002	< 0.026	1,646,416	
10/14/10	MW-3A,6A,7AA+VW-3	1498.5	17.45	4.77	92	15.5	INF-A	**410**	**2.5**	295	12.1	0.07	311.9	3.46	< **7.0**	< **0.077**	> **98.3**	> **96.9**	< 0.002	< 0.035	2,276,395	Off on arrival. Out of diesel. Restart.
10/20/10	MW-3A,6A,7AA+VW-3	1641.1	23.39	5.94	97	12.0	---	350	1.5	140	10.9	0.04	376.4	3.71	---	< 0.077	---	---	< 0.002	< 0.048	3,103,760	
10/27/10	MW-3A,6A,7AA+VW-3	1811.0	30.47	7.08	76	12.5	INF-A	**140**	**0.67**	78	3.4	0.01	400.4	3.81	< **7.0**	< **0.077**	> **95.0**	> **88.5**	< 0.002	< 0.060	3,873,407	
11/03/10	MW-3A,6A,7AA+VW-3	1979.1	37.47	7.00	90	12.5	---	120	0.5	65	3.4	0.01	424.6	3.91	---	< 0.077	---	---	< 0.002	0.074	4,777,214	
11/10/10	MW-3A,6A,7AA+VW-3	2134.6	43.95	6.48	90	12.5	INF-A	**99**	**0.35**	50	2.9	0.01	443.2	3.97	< **7.0**	< **0.077**	> **92.9**	> **78.0**	< 0.002	< 0.087	5,618,780	
11/12/10	MW-3A,6A,7AA+VW-3	2191.5	46.32	2.37	90	12.5	---	90	0.3	NM	2.6	0.01	449.3	3.98	---	< 0.077	---	---	< 0.002	< 0.092	5,926,040	On. Water samples.
11/15/10	MW-3A,6A,7AA+VW-3	2268.1	49.51	3.19	90	12.5	---	90	0.3	NM	2.6	0.01	457.6	4.01	---	< 0.077	---	---	< 0.002	< 0.099	6,339,680	System shut down.

Notes:

ALL = Wells DPE-1, DPE-2, MW-3A, MW-6A, MW-7AA, MW-7A and VW-3

NA = not analyzed; NM = not measured; --- = not available

System data estimated when specific data not available.

cfm = actual cubic feet (cf) per minute based on anemometer readings (from near wellhead and/or from pressure side of vacuum pump during SVE).

ppmv = parts per million on volume to volume basis. Actual lab data shown in **bold.** Lab data estimated for dates without lab data to allow mass removal calculation.

lbs = Pounds

"Hg = Inches of mercury vacuum

SVE = Soil Vapor Extraction

OVA = Organic Vapor Analyzer (Horiba Model MEXA 324JU)

TPHg and Benzene Removal Rates = For dates where no laboratory analytical data was collected, the previous lab data entry was used to calculate period and cumulative mass removal.

Hydrocarbon Removal/Emission Rate = Rate based on Bay Area Air Quality Management District's Manual of Procedures for Soil Vapor Extraction dated July 17, 1991.

Rate = lab concentration (ppmv) x system flowrate (scfm) x (1lb-mole/386 ft^3) x molecular weight (86 lb/lb-mole for TPH-Gas hexane) x 1440 min/day x 1/1,000,000.

Pangea

Table 4. GWE (DPE) System Performance Summary - 7240 Dublin Blvd, Dublin, California

Well ID	Date	Totalizer Reading[1] (gallons)	Interval Flow Volume (gallons)	Interval Duration (days)	Average Flow Rate (gpm)	**TPHd** Concentration (ug/L)	**TPHg** Concentration (ug/L)	**Benzene** Concentration (ug/L)	**MTBE** Concentration (ug/L)	TPHg Removed (Lbs)	Benzene Removed (Lbs)	MTBE Removed (Lbs)	Comments
System	09/20/10	0	0	0	--	---	---	---	---	0.000	0.000	0.000	System startup testing
Influent	09/21/10	1,725	1,725	1	1.20	**1,900**	**3,400**	**110**	**1,800**	0.049	0.002	0.026	Startup water sampling of influent
	09/29/10	7,104	5,379	8	0.47	---	---	---	---	0.152	0.005	0.081	
	10/08/10	13,091	5,987	9	0.46	---	---	---	---	0.169	0.005	0.090	
	10/14/10	17,023	3,931	6	0.46	**430**	**220**	**ND (<0.5)**	**500**	0.007	0.000	0.016	O&M Visit; sample collection
	10/20/10	19,351	2,329	6	0.27	---	---	---	---	0.004	0.000	0.010	
	10/27/10	21,052	1,700	7	0.17	---	----	---	----	0.003	0.000	0.007	
	11/03/10	22,889	1,838	7	0.18	---	----	---	----	0.003	0.000	0.008	
	11/10/10	24,814	1,925	7	0.19	---	----	---	----	0.004	0.000	0.008	
	11/12/10	25,392	578	2	0.20	**210**	**380**	**2.6**	**250**	0.002	0.000	0.001	Sample collection; system shutoff soon
	11/15/10	26,433	1,040	3	0.24	---	----	---	----	0.003	0.000	0.002	System Shutoff; final totalizer reading
										0.397	**0.012**	**0.248**	**Total Cumulative Removal (Lbs)**
System	09/20/10	---	---	---	---	---	---	---	---	---	---	---	
Midpoint	09/21/10	---	---	---	---	**ND (<50)**	**ND (<50)**	**ND (<0.5)**	**ND (<5.0)**	---	---	---	Startup water sampling of midpoint
	10/14/10	---	---	---	---	**ND (<50)**	**ND (<50)**	**ND (<0.5)**	**ND (<5.0)**	---	---	---	O&M Visit; sample collection
	11/12/10	---	---	---	---	**ND (<50)**	**ND (<50)**	**ND (<0.5)**	**ND (<5.0)**	---	---	---	Sample collection; system shutoff soon
System	09/20/10	---	---	---	---	---	---	---	---	---	---	---	
Effluent	09/21/10	---	---	---	---	**ND (<50)**	**ND (<50)**	**ND (<0.5)**	**ND (<5.0)**	---	---	---	Startup water sampling of effluent
	10/14/10	---	---	---	---	**ND (<50)**	**ND (<50)**	**ND (<0.5)**	**ND (<5.0)**	---	---	---	O&M Visit; sample collection
	11/12/10	---	---	---	---	**ND (<50)**	**ND (<50)**	**ND (<0.5)**	**ND (<5.0)**	---	---	---	Sample collection, system shutoff soon
					Discharge Limit	***15,000 (TPHg+TPHd)***	***15,000 (TPHg+TPHd)***	***1,000 (BTEX Total)***	***1,000,000 (MTBE)***				

ABBREVIATIONS AND NOTES:

1 = Initial totalizer reading was 9,997,126 (or -2,874 gallons). After reaching 9,999,999 the meter returns to 0,000,000. Therefore, shown reading above 0 is actual reading plus 2,874. The 9/21/10 reading of 9,998,851 less 9,997,126 equals 1,725 gallons discharged.

gpm = Gallons per minute

TPHd = Total Petroleum Hydrocarbon as Diesel analyzed by EPA Method 8015B with silica gel cleanup

TPHg = Total Petroleum Hydrocarbon as Gasoline analyzed by EPA Method 8015B

Benzene analyzed by EPA Method 8021B

MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8021 Cm

-- = not measured/not available

***** Estimated contaminant mass calculated by multiplying average concentration detected during period (Table 1) by volume of extracted groundwater. Uses most recent lab data.

Table 5. Well Survey Summary -Dublin Car Wash, 7240 Dublin Boulevard, Dublin, CA

Map ID	Township, Range, and Section (DWR Well No.)	Owner's Well ID	Installation Date	Owner	Use	Total Depth (ft)	Well Location	Distance from site (ft)	Map	Comments
1	03S01W1 (E10)	MW-16	Aug-89	Enea Plaza	DES	26.5	Amador Plaza Road, Dublin, CA	800	M	Destroyed 4/27/98
1	03S01W1 (E11)	MW-4	Dec-93	Enea Plaza	DES	23	Amador Plaza Road, Dublin, CA	800	M	Destroyed 4/27/98
1	03S01W1 (E11)	MW-4	Dec-93	Enea Plaza	MON	23	Amador Plaza Road, Dublin, CA	800	M	
1	03S01W1 (E12)	PZ-1	Feb-94	Enea Plaza	DES	20	Amador Plaza Road, Dublin, CA	800	M	Destroyed 4/27/98
1	03S01W1 (E13)	EW-1	Feb-94	Enea Plaza	DES	22	Amador Plaza Road, Dublin, CA	800	M	Destroyed 4/27/98
2	03S01W1 (B10)	N/A	Feb-96	Dublin San Ramon Service District	MON	560	7051 Dublin Blvd, Dublin, CA	500	M	
2	03S01W1 (B11)	N/A	Feb-96	Dublin San Ramon Service District	MON	560	7051 Dublin Blvd, Dublin, CA	500	M	
2	03S01W1 (B2)	N/A	Aug-72	Valley Community Service District	MUN	530	Dublin Blvd behond VCSD office, Dublin, CA	500	M	
2	03S01W1 (B3)	N/A	UNK	Dublin San Ramon	DES	500	7051 Dublin Blvd, Dublin, CA	500	M	Destroyed 1980
2	03S01W1 (B3)	5	Jun-73	Valley Community Service District	MUN	500	Dublin Blvd, Dublin, CA	500	M	
2	03S01W1 (B9)	N/A	Feb-96	Dublin San Ramon Service District	MON	560	7051 Dublin Blvd, Dublin, CA	500	M	
3	03S01W1 (B4)	N/A	May-76	Zone 7 Water Agency	MON	25	Near Maple Avenue and Fllod Control Channel F-4, Dublin, CA	1000	M	
3	03S01W1 (B5)	N/A	May-79	Alameda County Flood Control	TEST	112	Maple Ave at flood control channel, Dublin, CA	1000	M	
4	03S01W1 (H2)	#4	UNK	Dublin San Ramon Service District	DES	35 (?)	1/2 Block E of 7051 Dublin Blvd, Dublin, CA	700	M	Destroyed 1/17/85
5	03S01W1 (F19)	MW-4	Aug-93	Caltrans	DES	119.3	Dublin Blvd and 680, Dublin, CA	100	M	Destroyed 1/28/99
6	03S01W1 (C1)	MW-9	Feb-89	Shell	MON	18	7194 Amador Valley Blvd, Dublin, CA	1700	M	
6	03S01W1 (C2)	MW-11	Feb-89	Shell	MON	18	7194 Amador Valley Blvd, Dublin, CA	1700	M	
6	03S01W1 (C3)	MW-12	Feb-89	Shell	MON	18	7194 Amador Valley Blvd, Dublin, CA	1700	M	
7	03S01W1 (B6M)	MW-1	Feb-94	Interstate Brands	DES	18.5	6841 Village Pkwy, Dublin, CA	500	M	Destroyed 1/30/97
7	03S01W1 (B6M)	MW-1	Feb-94	Continental Baking	MON	18.5	6841 Village Pkwy, Dublin, CA	500	M	
7	03S01W1 (B7)	MW-2	Feb-94	Continental Baking	MON	18.5	6841 Village Pkwy, Dublin, CA	500	M	
7	03S01W1 (B7M)	MW-2	Feb-94	Interstate Brands	DES	18.5	6841 Village Pkwy, Dublin, CA	500	M	Destroyed 1/30/97
7	03S01W1 (B7M)	MW-2	1994	Continental Baking	MON	18.5	6841 Village Pkwy, Dublin, CA	500	M	
7	03S01W1 (B8M)	MW-3	Mar-94	Interstate Brands	DES	18.2	6841 Village Pkwy, Dublin, CA	500	M	Destroyed 1/30/97
7	03S01W1 (B8M)	MW-3	Mar-94	Continental Baking	MON	18.2	6841 Village Pkwy, Dublin, CA	500	M	
8	03S01W1 (C4)	MW-1	Jun-93	Corwood Car Wash	DES	26	6973 Village Parkway, Dublin, CA	700	M	Destroyed 12/10/98

Table 5. Well Survey Summary -Dublin Car Wash, 7240 Dublin Boulevard, Dublin, CA

Map ID	Township, Range, and Section (DWR Well No.)	Owner's Well ID	Installation Date	Owner	Use	Total Depth (ft)	Well Location	Distance from site (ft)	Map	Comments
8	03S01W1 (C5)	MW-2	Jun-93	Corwood Car Wash	DES	26	6973 Village Parkway, Dublin, CA	700	M	Destroyed 12/10/98
8	03S01W1 (C6)	MW-3	Jun-93	Corwood Car Wash	DES	26	6973 Village Parkway, Dublin, CA	700	M	Destroyed 12/10/98
9	03S01W1 (K3)	N/A	Jan-79	Livermore-Amador Valley Mgmt Agency	CAT	210	SW Corner 580 and 680, Pleasanton, CA	1900	M	
10	03S01W1 (E12)	EW-1	Feb-94	Enea Properties	MON	UNK	6700-6780 Amador Plaza Rd., Dublin, CA	1500	M	
10	03S01W1 (E13)	PZ-1	Feb-94	Enea Properties	MON	20	6700-6780 Amador Plaza Rd., Dublin, CA	1500	M	
11	03S01W1	7	Jan-89	Montgomery Ward	ABA	3	Dublin, CA	2200	NM	Abandoned due to punctured water line
11	03S01W1 (E10)	16	Aug-89	Montgomery Ward	MON	26.5	Dublin, CA	2200	NM	
11	03S01W1 (E14)	MW-100	May-93	Montgomery Ward	DES	28	7575 Dublin Blvd, Dublin, CA	2200	NM	Destroyed 4/27/98
11	03S01W1 (E15)	MW-101	May-93	Montgomery Ward	DES	28	7575 Dublin Blvd, Dublin, CA	2200	NM	Destroyed 4/27/98
11	03S01W1 (E16)	MW-102	May-93	Montgomery Ward	DES	28	7575 Dublin Blvd, Dublin, CA	2200	NM	Destroyed 4/27/98
11	03S01W1 (E2)	5	Jan-89	Montgomery Ward	MON	22	Dublin, CA	2200	NM	
11	03S01W1 (E3)	6	Jan-89	Montgomery Ward	MON	V/P	Dublin, CA	2200	NM	
11	03S01W1 (E4)	8	Jan-89	Montgomery Ward	MON	V/P	Dublin, CA	2200	NM	
11	03S01W1 (E5)	R-5	Feb-89	Montgomery Ward	DES	22	Dublin Blvd near Golden Gate Drive, Dublin, CA	2200	NM	Destroyed 4/27/98
11	03S01W1 (E5)	9	Jan-89	Montgomery Ward	MON	V/P	Dublin, CA	2200	NM	
11	03S01W1 (E6)	R-10	Feb-89	Montgomery Ward	DES	22	Dublin Blvd near Golden Gate Drive, Dublin, CA	2200	NM	Destroyed 4/27/98
11	03S01W1 (E6)	10	Feb-89	Montgomery Ward	MON	22.5	Dublin, CA	2200	NM	
11	03S01W1 (E7)	R-12	Feb-89	Montgomery Ward	DES	22	Dublin Blvd near Golden Gate Drive, Dublin, CA	2200	NM	Destroyed 4/27/98
11	03S01W1 (E7)	12	Dec-88	Montgomery Ward	MON	V/P	Dublin, CA	2200	NM	
11	03S01W1 (E8)	13	Dec-88	Montgomery Ward	MON	13.5	Dublin, CA	2200	NM	
11	03S01W1 (E9)	MW-15	Aug-89	Montgomery Ward	DES	23	Dublin Blvd near Golden Gate Drive, Dublin, CA	2200	NM	Destroyed 4/27/98
11	03S01W1 (E9)	15	Aug-89	Montgomery Ward	MON	23	Dublin, CA	2200	NM	
12	03S01W1 (M1)	MW-1	Nov-91	Bedford Properties	MON	30	6700 Golden Gateway, Dublin, CA	1500	M	
--	03S01W1 (B1)	UNK	Jan-92	UNK	DES	UNK	UNK	?	--	Destroyed 1/7/92
--	03S01W1 (D4)	MW-1	Feb-91	Target	MON	20.5	Dublin, CA	2500	NM	
--	03S01W1 (D5)	MW-2	Feb-91	Target	MON	20.5	Dublin, CA	2500	NM	

Table 5. Well Survey Summary -Dublin Car Wash, 7240 Dublin Boulevard, Dublin, CA

Map ID	Township, Range, and Section (DWR Well No.)	Owner's Well ID	Installation Date	Owner	Use	Total Depth (ft)	Well Location	Distance from site (ft)	Map	Comments
--	03S01W1 (D6)	MW-3	Feb-91	Target	MON	20.5	Dublin, CA	2500	NM	
--	03S01W1 (D7)	MW-4	Feb-91	Target	MON	23	Dublin, CA	2500	NM	
--	03S01W1 (D8)	MW-5	Jun-91	Target	MON	20	7608 Amaedor Valley Blvd, Dublin, CA	2500	NM	
--	03S01W1 (D9)	MW-6	Sep-91	Target	MON	15	7601 Amaedor Valley Blvd, Dublin, CA	2500	NM	
--	03S01W1 (F1)	1	Feb-60	Volk-McLain Co.	DOM	583	Near Old Hwy 50 and 5000 feet east of San Ramon Rd, Dublin, CA	8000	NM	
--	03S01W1 (F7)	MW-1	Jan-93	Enea Properties	DES	16	6670 Dublin Blvd, Dublin, CA	2700	NM	Destroyed 4/27/98
--	03S01W1 (F7)	MW-1	Jan-93	Enea Properties	MON	16	6620 Amador Valley Blvd, Dublin, CA	4800	NM	
--	03S01W1 (F8)	MW-2	Jan-93	Enea Properties	DES	13	6670 Dublin Blvd, Dublin, CA	2700	NM	Destroyed 4/27/98
--	03S01W1 (F8)	MW-2	Jan-93	Enea Properties	MON	16	6620 Amador Valley Blvd, Dublin, CA	4800	NM	
--	03S01W1 (F9)	MW-3	Jan-93	Enea Properties	DES	16	6670 Dublin Blvd, Dublin, CA	2700	NM	Destroyed 4/27/98
--	03S01W1 (F9)	MW-3	Jan-93	Enea Properties	MON	16	6620 Amador Valley Blvd, Dublin, CA	4800	NM	
--	03S01W1 (G1)	3	Sep-61	Volk-McLain Co.	MUN	610	Near State Rd 21 and N. Country Club Rd, Dublin, CA	8000	NM	
--	03S01W1 (J1)	N/A	Dec-84	Dublin San Ramon Service District	MON	44	Near Johnson Drive S of 580, Pleasanton, CA	2600	NM	
--	03S01W1 (J2)	N/A	Dec-84	Dublin San Ramon Service District	MON	37	Near Johnson Drive S of 580, Pleasanton, CA	2600	NM	
--	03S01W1 (L1)	N/A	UNK	Mozart Development	DES	53	West of 680 near 580, Pleasanton, CA	6000	NM	Destroyed 5/24/85
--	03S01W1 (L1)	N/A	Jun-49	J. R. Cronin	IRR	52	Dublin, CA	6000	NM	
--	03S01W1 (L2)	N/A	UNK	Mozart Development	DES	50	West of 680 near 580, Pleasanton, CA	6000	NM	Destroyed 5/24/85
--	03S01W1 (L4)	N/A	UNK	Mozart Development	DES	53	West of 680 near 580, Pleasanton, CA	6000	NM	Destroyed 5/24/85
--	03S01W1 (N1)	SR-1	May-91	Stoneridge Chrysler	MON	30	5440 Stoneridge Mall Road, Pleasanton, CA	3200	NM	
--	03S01W1 (N2)	SR-2	May-91	Stoneridge Chrysler	MON	30.5	5440 Stoneridge Mall Road, Pleasanton, CA	3200	NM	
--	03S01W1 (N3)	SR-3	May-91	Stoneridge Chrysler	MON	30	5440 Stoneridge Mall Road, Pleasanton, CA	3200	NM	
--	03S01W1 (N4)	SR-4	May-91	Stoneridge Chrysler	MON	30	5440 Stoneridge Mall Road, Pleasanton, CA	3200	NM	
--	03S01W1 (N5)	1N5	Jul-98	Safeway	MON	35	5918 Soneridge Mall Road, Pleasanton, CA	4800	NM	
--	03S01W1 (N5)	EB-1	Jul-98	Safeway	UNK	38	Stoneridge Mall Road/Canyon Way, Pleasanton, CA	4800	NM	
--	03S01W1 (R2M)	#1	Feb-90	Clorox	IND	210	7200 Johnson Drive, Pleasanton, CA	4400	NM	
--	03S01W1 (R3M)	#2	Feb-90	Clorox	IND	211	7200 Johnson Drive, Pleasanton, CA	4400	NM	

Table 5. Well Survey Summary -Dublin Car Wash, 7240 Dublin Boulevard, Dublin, CA

Map ID	Township, Range, and Section (DWR Well No.)	Owner's Well ID	Installation Date	Owner	Use	Total Depth (ft)	Well Location	Distance from site (ft)	Map	Comments
--	03S01W1 (R4)	MW-1	May-92	Clorox	MON	25	7034 Commerce Circle, Pleasanton, CA	3500	NM	
--	03S01W1 (R5)	MW-2	Apr-97	Corning	MON	21.6	7035 Commerce Circle, Pleasanton, CA	3400	NM	
--	03S01W1 (R6)	MW-3	Apr-97	Corning	MON	19.8	7035 Commerce Circle, Pleasanton, CA	3400	NM	
--	03S01W1 (R7)	MW-4	Apr-97	Corning	MON	20	7035 Commerce Circle, Pleasanton, CA	3400	NM	
--	03S01W1 (R8)	MW-5	May-97	Corning	MON	21	7035 Commerce Circle, Pleasanton, CA	3400	NM	
--	03S01W2 (A2)	N/A	Jun-76	Zone 7 Water Agency	MON	47	San Ramon Road and Amador Valley Blvd, Dublin, CA	4000	M	
--	03S01W2 (A3)	N/A	UNK	Public Storage Inc.	DES	UNK	7436 San Ramon Road, Dublin, CA	5000	NM	Destroyed 7/27/90
SITE	03S01W1 (F1)	EA-1	Oct-88	Chevron	MON	40	7240 Dublin Blvd, Dublin, CA	SITE		
SITE	03S01W1 (F17)	MW-5	Feb-96	Chevron	MON	21.5	7420 Dublin Blvd, Dublin, CA	SITE		
SITE	03S01W1 (F18)	MW-4	Feb-96	Chevron	MON	21.5	7420 Dublin Blvd, Dublin, CA	SITE		
SITE	03S01W1 (F2)	EA-2	Oct-88	Chevron	MON	40	7240 Dublin Blvd, Dublin, CA	SITE		
SITE	03S01W1 (F3)	EA-3	Oct-88	Chevron	MON	40	7240 Dublin Blvd, Dublin, CA	SITE		
SITE	03S01W1 (F4)	VW-1	May-90	Chevron	MON	9	7240 Dublin Blvd, Dublin, CA	SITE		
SITE	03S01W1 (F5)	VW-2	May-90	Chevron	MON	9	7240 Dublin Blvd, Dublin, CA	SITE		
SITE	03S01W1 (F6)	VW-3	May-90	Chevron	MON	9	7240 Dublin Blvd, Dublin, CA	SITE		

Abbreviations:

BOR = boring (may be geotechnical)
CAT = Cathodic protection well
DES = Destroyed Well
PIE = Piezometer
TES = Test Well
? = information not available

GEO = boring (may be geotechnical or geoprobe boring)
M = Well location shown on map
NM = Not mapped, well is not a potential sensitive receptor
* = unspecified note added by ACPWA
IRR = Irrigation Well
MON = Monitoring Well

DIS = Disposal Well
DOM = Domestic Well
UNK = Unknown
N/A = Not applicable
ABA = Boring abandoned
V/P = Vapor/Product Removal Well

MUN = Municipal well
IND = Industrial well
TEST = Test Well

APPENDIX A

Boring Logs and Well Construction Details

Site Well Construction Details

Well ID	Location (Onsite/Offsite, Downgradient, Upgradient or Cross Gradient)	Highest Measured Depth to Water		Lowest Measured Depth to Water		Screen Interval (ft bgs)	Total Depth	Submerged (% of events)	Dry (% of Events)	Status (Active, Abandoned, Lost)
		Date	Feet bgs	Date	Feet bgs					
MW-1	Onsite, crossgradient	02/21/05	11.81	02/06/09	13.67	5-25	25	0	0	Active
MW-2	Onsite, downgradient	02/11/10	7.5	02/06/09	9.39	5-20	20	0	0	Active
MW-3A	Onsite	08/17/06	9.56	02/06/09	11.70	10-17	17	7.7%	0	Active
MW-4	Offsite, upgradient	02/21/11	9.29	08/28/07	11.42	8.5-20	20	0	0	Active
MW-5	Offsite, Upgradient	05/08/03	9.56	08/28/07	11.07	8.5-21	21	0	0	Active
MW-6A	Onsite, North of Source	08/17/06	9.69	02/15/12	11.95	15-20	20	100%	0	Active
MW-6B	Onsite, North of Source	02/26/08	7.87	02/06/09 & 02/15/12	10.18	26-30	30	100%	0	Active
MW-7AA	Onsite, source	02/21/11	8.57	02/15/12	10.42	9-14	14	7.7%	0	Active
MW-7A	Onsite, Source	02/21/11	8.37	02/15/12	10.54	16-20	20	100%	0	Active
MW-7B	Onsite, Source	08/17/06	8.62	02/06/09 & 02/15/12	10.18	26-30	30	100%	0	Active
MW-7C	Onsite, Source	08/17/16	8.52	11/24/06	9.42	35-45	45	100%	0	Inactive
MW-8A	Onsite, upgradient	02/26/08	8.33	08/25/12	13.25	15-20	20	100%	0	Active
MW-9A	Onsite, crossgradient	08/17/06	9.40	02/15/12	11.52	15-20	20	100%	0	Active
MW-9C	Onsite, crossgradient	07/07/06	8.85	05/29/06	16.59	35-45	45	100%	0	Inactive
MW-10A	Onsite, crossgradient	02/26/08	7.34	11/24/06	12.61	15-20	20	100%	0	Active
MW-10C	Onsite, crossgradient	05/29/06 & 07/07/06	7.28	11/24/16	10.75	35-45	45	100%	0	Inactive
MW-11C	Onsite	08/17/06	9.60	11/24/06	10.60	33.5-43.5	43.5	100%	0	Inactive
DPE-1	Onsite, downgradient	02/21/11	9.91	02/15/12	10.71	9-14	14	0	0	Active
DPE-2	Onsite	02/21/11	9.83	02/15/12	11.19	9-14	14	0	0	Active
VW-1	Onsite, Source	05/17/11	5.72	08/13/08	8.27	3-9	9	0	0	Active
VW-2	Onsite, Source	08/12/10	1.5	08/13/08	7.92	3-9	9	7.4%	0	Active
VW-3	Onsite, Source	08/17/06	4.4	08/25/12	8.36	3-9	9	0	7.1%	Active
MW-3	Onsite, North of source	05/01/01	10.66	12/23/98	12.92	4.5-24	24	0	0	Destroyed
EA-1	Onsite, downgradient	05/08/03	8.23	01/31/91	11.16	10-40	40	27.6%	0	Destroyed
EA-2	Onsite, upgradient	05/08/03	7.26	01/31/91	10.21	10-40	40	90%	0	Destroyed
EA-3	Onsite, crossgradient	02/29/96	8.28	01/31/91	11.52	5-35	35	0	0	Destroyed

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

LOG OF SOIL BORING: EA 1

Coordinates: 121 55' 20" West
37 41' 10" North
Elevation top of casing:333.41
Casing below surface:0.28 ft

CLIENT	STATION #	LOCATION
Chevron USA	SS 9-2582	7240 Dublin Blvd Dublin, California

DRILLING AND SAMPLING METHODS Rotary with 10 inch hollow stem auger and CA modified split tube sampler lined with 2 inch brass sleeves; HEW Drilling Co. C57:384167

				DRILLING START	DRILLING FINISH
WATER LEVEL	10.71	10.39			
TIME	1200	1205		TIME 0930	TIME 1230
DATE	10-20	10-21			
REFERENCE	T of C	T of C		DATE 10-17	DATE 10-17

SURFACE CONDITIONS: Landscaped grass

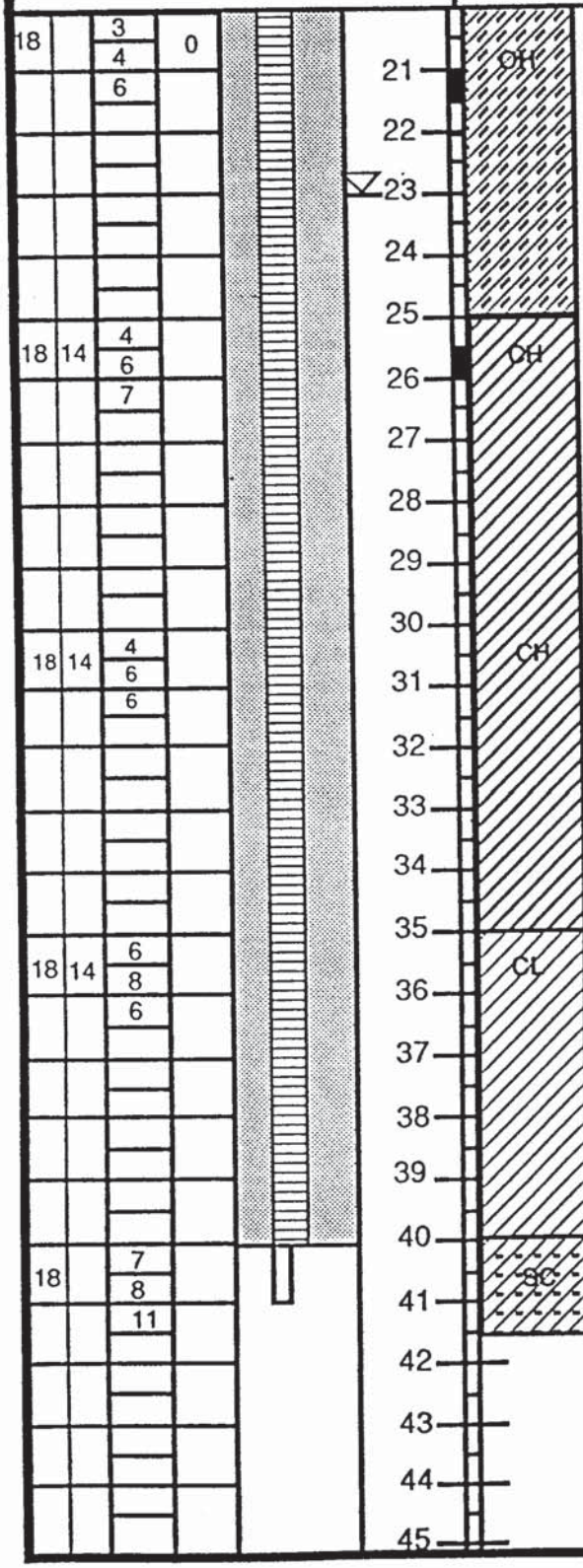
DESCRIPTION by: T. R. Winsor

Inches Driven	Inches Recover	Blows/6" Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	DESCRIPTION
					0		Dark greenish-black silt and clay-rich soil, with rare coarse sand grains, abundant tree roots and organics.
18	12	3 3 4	0		5	CL	Dark greenish-black silty clay, angular silt sized fragments of quartz in plastic clay; locally goes to gray-green and has the appearance of a fill; aggregated chunks and pieces of clay-rich material; very plastic, damp, no odor.
18	14	3 4 6	0.6		10	CH	Dark olive-gray to greenish-gray clay; soft and lustrous, plastic and pliable, damp but no odor; rare sand/silt grains,still has the aggregated look of a fill.
18	16	3 5 6	0		15	CH	Olive-gray clay, loses the aggregated appearance of a fill , very rare silt grain, damp, no odor, plastic; a consistent clay
					20		

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

CLIENT	STATION #	LOCATION
Chevron USA	SS 9-2582	7240 Dublin Blvd Dublin, California

LOG OF SOIL BORING EA1



Olive-gray clay, very plastic, damp with no odor, rare silt grains and abundant organics.

Gray-green clay, very tough plastic clay with local Fe oxides and organics, rare silt grains and angular lithics.

Tough, sticky pliable clay-dark, angular silt is visible in small %, not sufficient to give clay a gritty feel; still smooth, wet/moist but not yielding a lot of water

Gray-green silty clay to clayey silt/sand, much more silt than above but still very plastic and pliable, silt is evenly distributed rounded silt sized grains of quartz cemented by clay; wet ;silt to 80%, (3 brass tubes).

Very fine-grained sand or silt cemented with clay, sample is still coherent and pliable to a point; ultimately is rather friable; grains are rounded and very well sorted; no angular lithics or sand.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

LOG OF SOIL BORING: EA 2

Coordinates:121 55'20" West
37 41'10" North

Elevation top of casing:332.59

Casing below surface: 0.26 ft

CLIENT	STATION #	LOCATION
Chevron USA	SS 9-2582	7240 Dublin Blvd Dublin, California

DRILLING AND SAMPLING METHODS: Rotary with 10 inch hollow stem auger and CA split spoon sampler lined with 2 inch brass sleeves; HEW Drilling Co. C57:384167

				DRILLING START	DRILLING FINISH
WATER LEVEL	10.09				
TIME	12:00			TIME 09:30	TIME 12:30
DATE	10-21			DATE 10-20-88	DATE 10-20-88
REFERENCE	T of C				

SURFACE CONDITIONS: Level asphalt SE corner of tank field

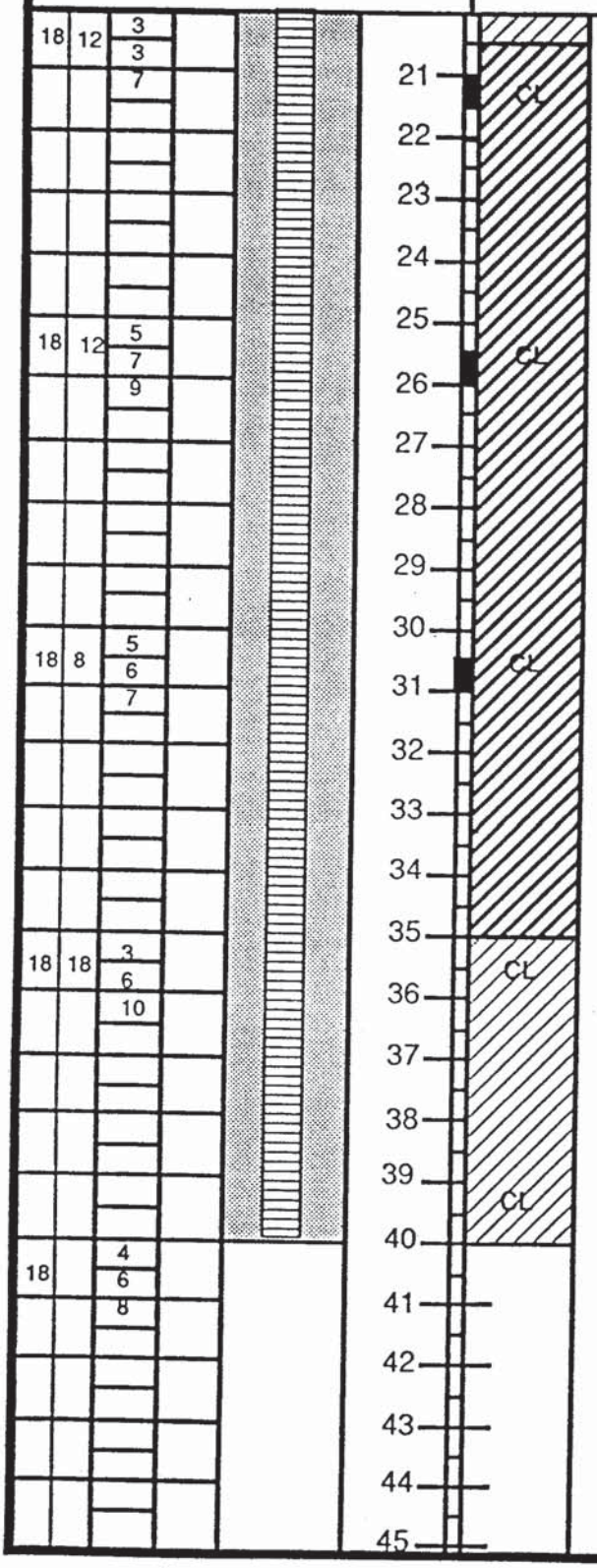
DESCRIPTION by: T.R. Winsor

Inches Driven	Inches Recover	Blows/6" Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	
					0		Concrete.
					1		Right at the edge of the tank field: - part of the sample is fill; rounded sand and gravel - part is olive-gray clay, moist.
					2		
					3		
					4		
18	15	4 2 4	90		5	CL	Olive-gray fine grained sand and olive-gray clay; some odor.
					6		
					7		
					8		
					9		
18		4 4 7	1		10	CH	Olive-gray clay, very plastic with no obvious grit, faint odor.
					11		
					12		
					13		
					14		
18		4 6 8	0		15		Olive-gray, plastic clay, moist, rare subangular sand grains; local Fe oxide mottling distributed thru an apparent but weak, blocky, jointing; black carbon also distributed throughout; clay is very pliable, almost elastic.
					16		
					17		
					18		
					19		Water at 19 ft., can feel grit in clay on bit, no odor.
					20		

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

CLIENT	STATION #	LOCATION
Chevron USA	SS 9-2582	7240 Dublin Blvd Dublin,California

LOG OF SOIL BORING **EA 2**



Gray-green, sticky pliable clay; local Fe oxide mottling and rare subangular sand grains; pebbles of siltstone some black carbon, sample is very moist and sticky but not saturated; upper tube contains a fine-grained sand; quartz and dark lithics give the sand a salt and pepper appearance.

Gray-green clay, sticky and pliable with little grit; locally mottled with Fe oxides, oxides are not heavy but are evenly distributed at intersections of small blocky texture; sample is wet but not saturated.

Darker gray-green clay, stiff but pliable and very sticky, still local Fe oxides but significantly less in amount.

Silty clay, fine angular silt-sized grains in clay similar to above, silt is approximately 20% of sample, dark angular lithics also occur with the quartz.

Silty clay to clayey sand; no sharp breaks, grades smoothly from silty clay to clayey sand to silty clay; sand contains subrounded quartz that is very fine grained, almost silt sized with 5-10% lithic fragments, also has 1-2% rounded quartz grains that are sand sized; clay contains 20-30% silt or very fine grained sand.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

LOG OF SOIL BORING: EA 3

Coordinates:121 55'20" West
37 41'10"North
Elevation top of casing:333.64
Casing below surface: 0.30 ft

CLIENT	STATION #	LOCATION
Chevron USA	SS 9-2582	7240 Dublin Blvd Dublin, California

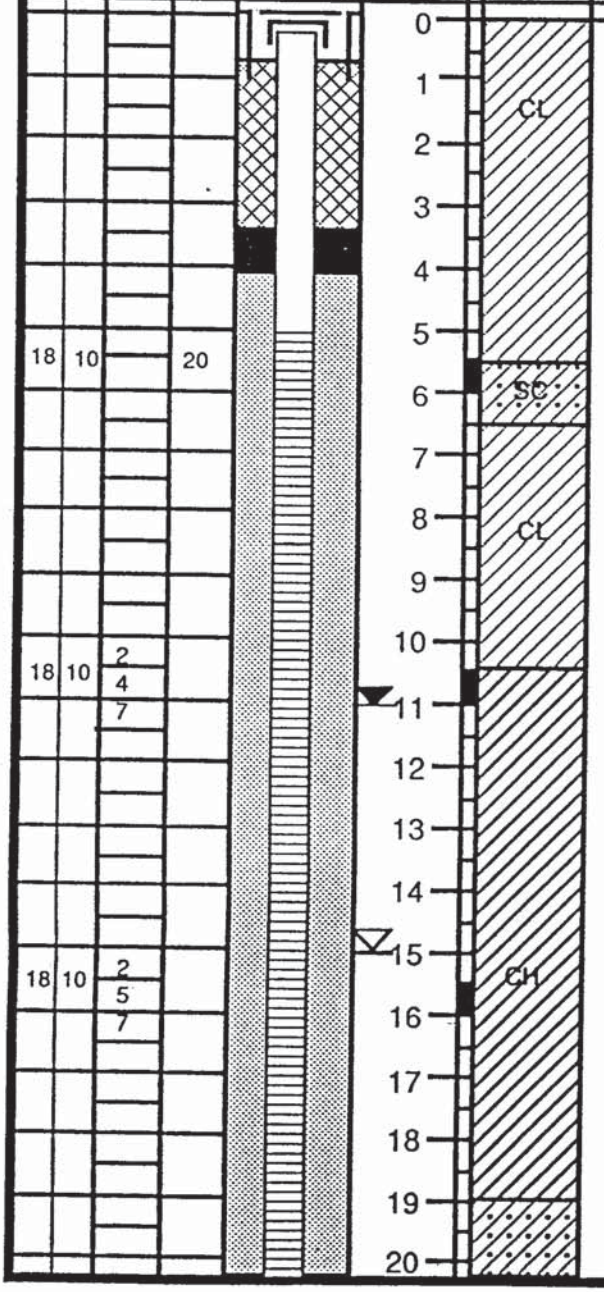
DRILLING AND SAMPLING METHODS: Rotary drill with 10 inch hollow stem auger with CA split spoon auger lined with 2 inch brass liners; HEW Drilling Co.C57: 384167

				DRILLING START	DRILLING FINISH
WATER LEVEL					
TIME				TIME 08:30	TIME 15:30
DATE				DATE 10-21-88	DATE 10-21-88
REFERENCE					

SURFACE CONDITIONS: Concrete that slopes to the south

DESCRIPTION by: T. R. Winsor TRW

Inches Driven	Inches Recover	Blows/6" Sampler	OVA Reading
18	10		20
18	10	2 4 7	
18	10	2 5 7	



Olive-gray clay, plastic, locally with high silt but generally high clay, odor.

Very fine grained sand, salt and pepper appears with quartz and dark lithics, clay approximately 10%, subangular quartz.

Olive-gray clay, silt evenly dispersed, less than 2% in otherwise homogeneous clay, some clay is lighter colored gray giving a variegated appearance, sample is moist with very weak odor, rare pebbles of siltstone

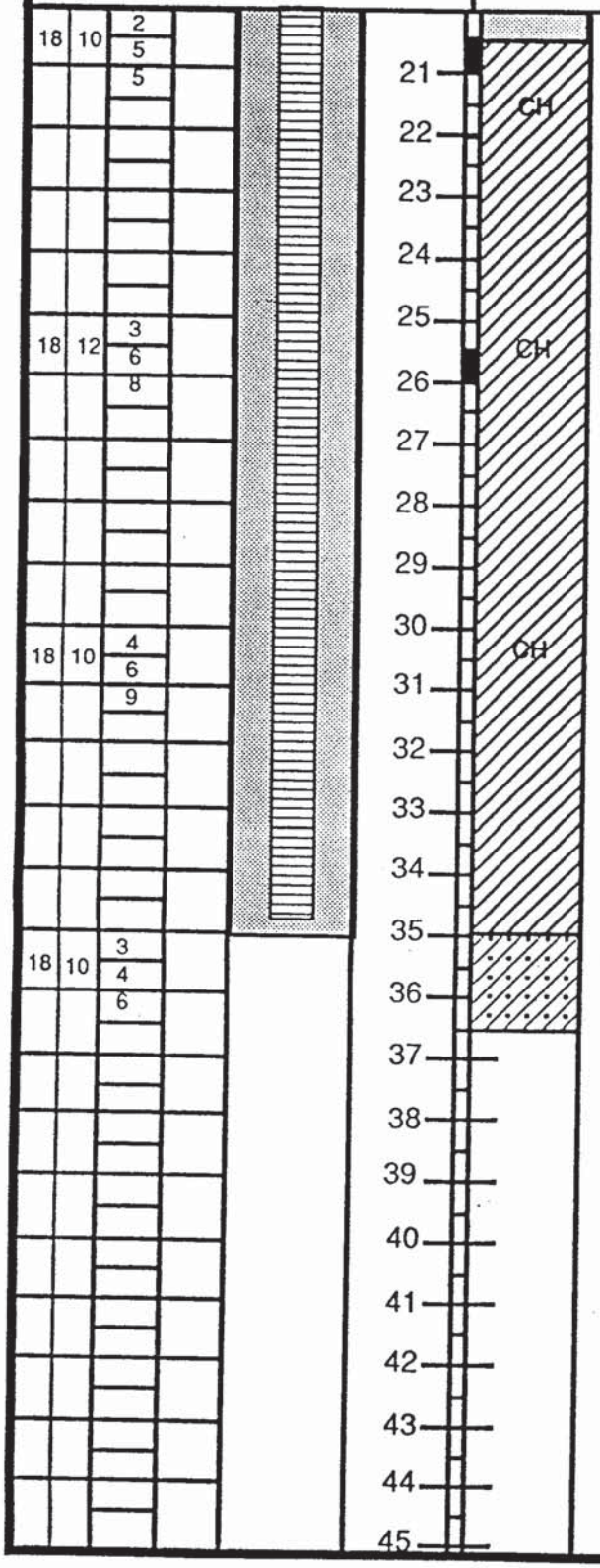
Olive-gray clay, less than 1% silt, rare pebbles or grains of siltstone, similar olive-gray/gray variegation to above, spotty Fe oxides, some organic debris; clay is almost elastic; clay is almost vitreous.

Fine-grained sand and clay is lithic-rich and subangular, still with significant clay content.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

CLIENT	STATION #	LOCATION
Chevron USA	SS 9-2582	7240 Dublin Blvd Dublin, California

LOG OF SOIL BORING **EA 3**



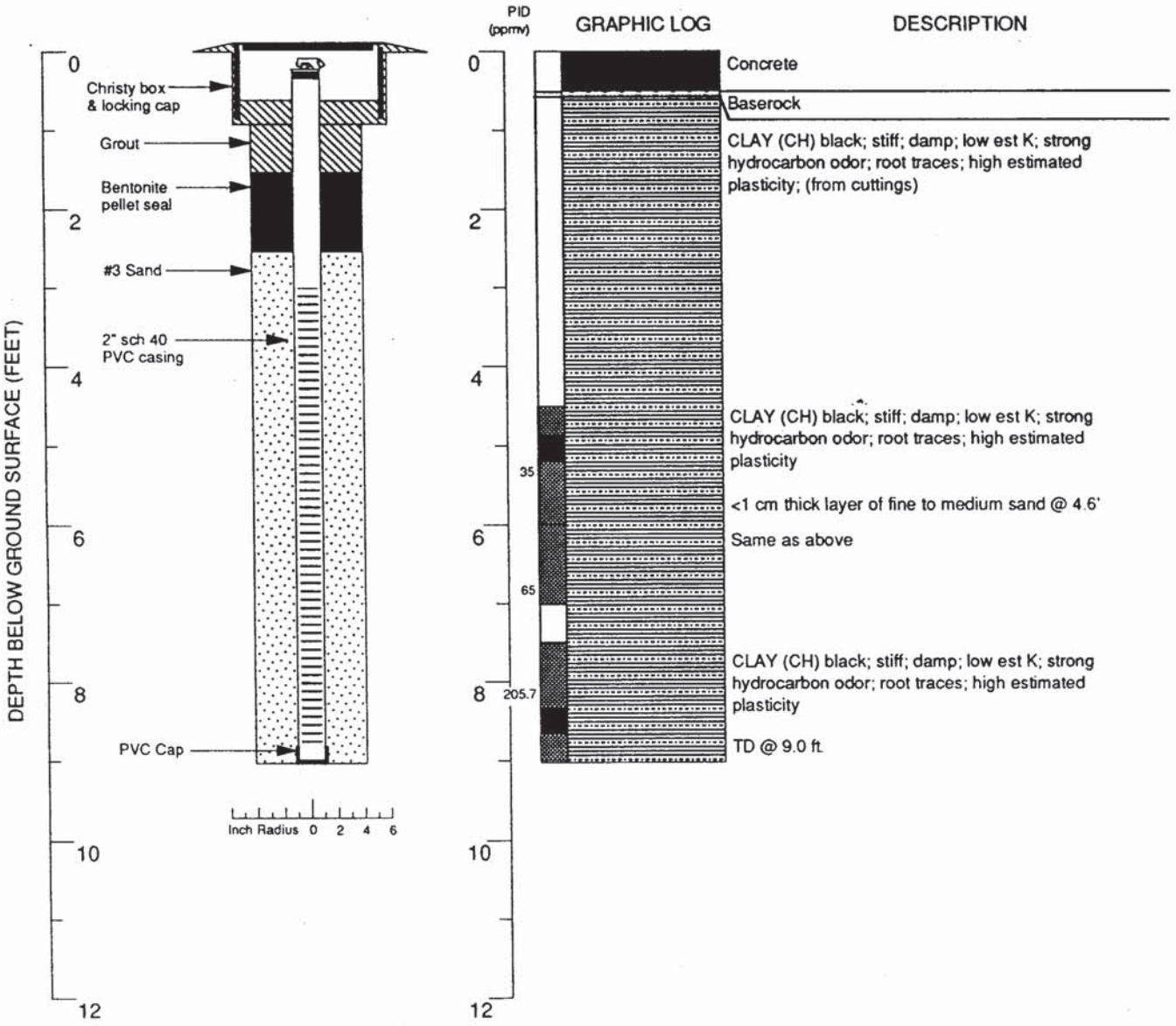
Sand

Grayish-green clay, clay is very sticky, stiff and almost elastic, not as vitreous as above, does not contain the silt.

Gray-green clay, with local fe oxides, rare pebbles of gray siltstone, clay is very tough, almost elastic, wet.

Gray-green clay, with limited local Fe oxides, less than 2%, rare sand grains, clay is very stiff and tough.

Clayey sand to sandy clay, grades evenly from a sand composed of very fine grained (almost silt sized) grains of quartz and lithics cemented by gray-green clay to a clay with only 30-40% sand; the sand is almost friable, and clay is still very pliable, wet.



Logged by:	Ken Leonard	Drilling Company:	B & F Drilling (Chempro)	Well Head Completion:	Christy box & locking cap
Project Mgr:	Tom Howard	Drilling Method:	8.25" Hollow stem auger	Type of Sampler:	2" split barrel
Dates Drilled:	5/1/90	Driller:	Breese Franks	TD (Total Depth):	9.0 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

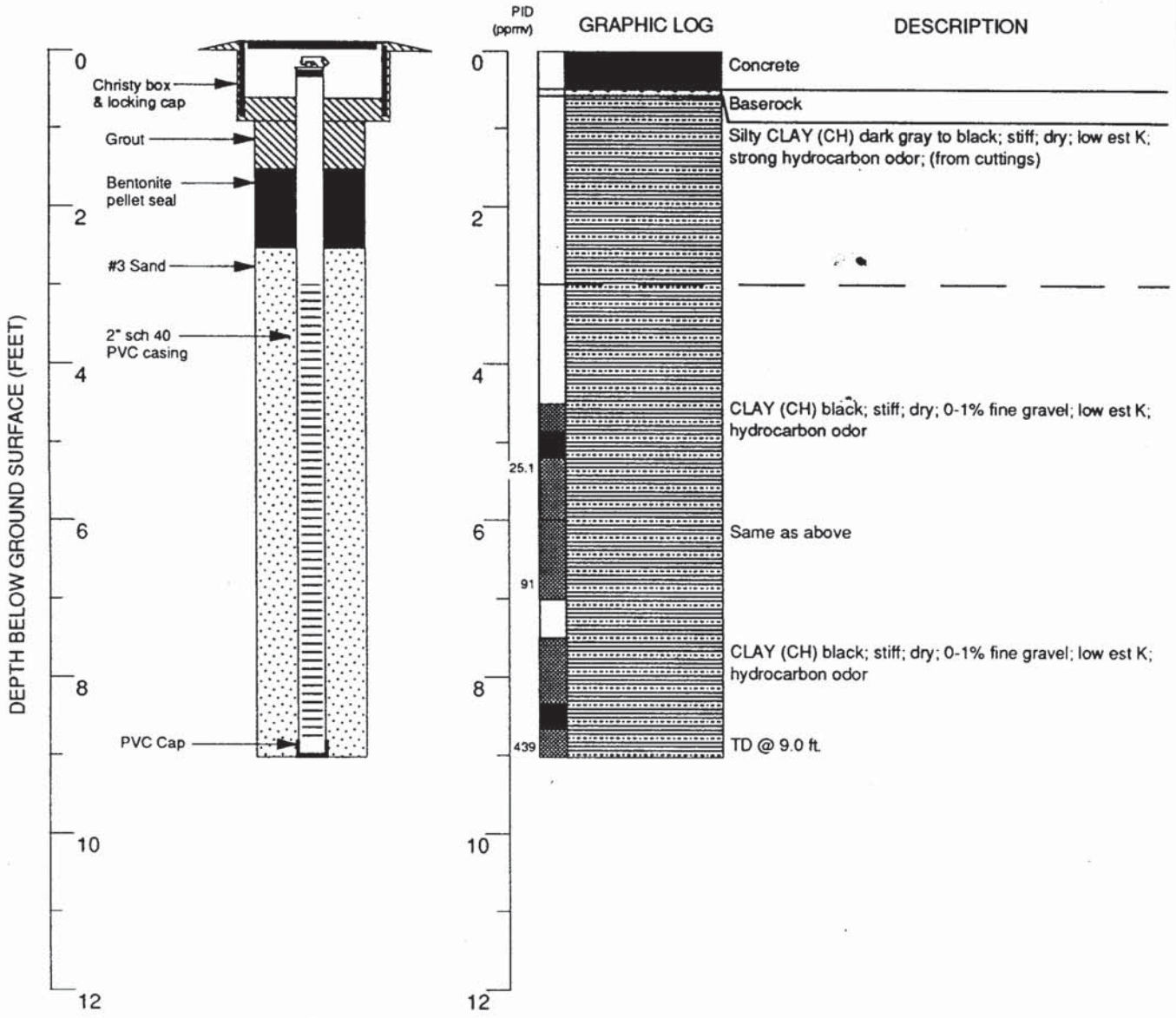
Boring Log and Well Completion Details
VW-1 (Boring B-6)

Chevron Service Station #92582
Dublin, California

VADOSE WELL
1

WESTERN GEOLOGIC RESOURCES, INC.

1-124.05



Logged by:	Ken Leonard	Drilling Company:	B & F Drilling (Chempro)	Well Head Completion:	Christy box & locking cap
Project Mgr:	Tom Howard	Drilling Method:	8.25" Hollow stem auger	Type of Sampler:	2" split barrel
Dates Drilled:	5/1/90	Driller:	Breese Franks	TD (Total Depth):	9.0 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

Boring Log and Well Completion Details
VW-2 (Boring B-7)

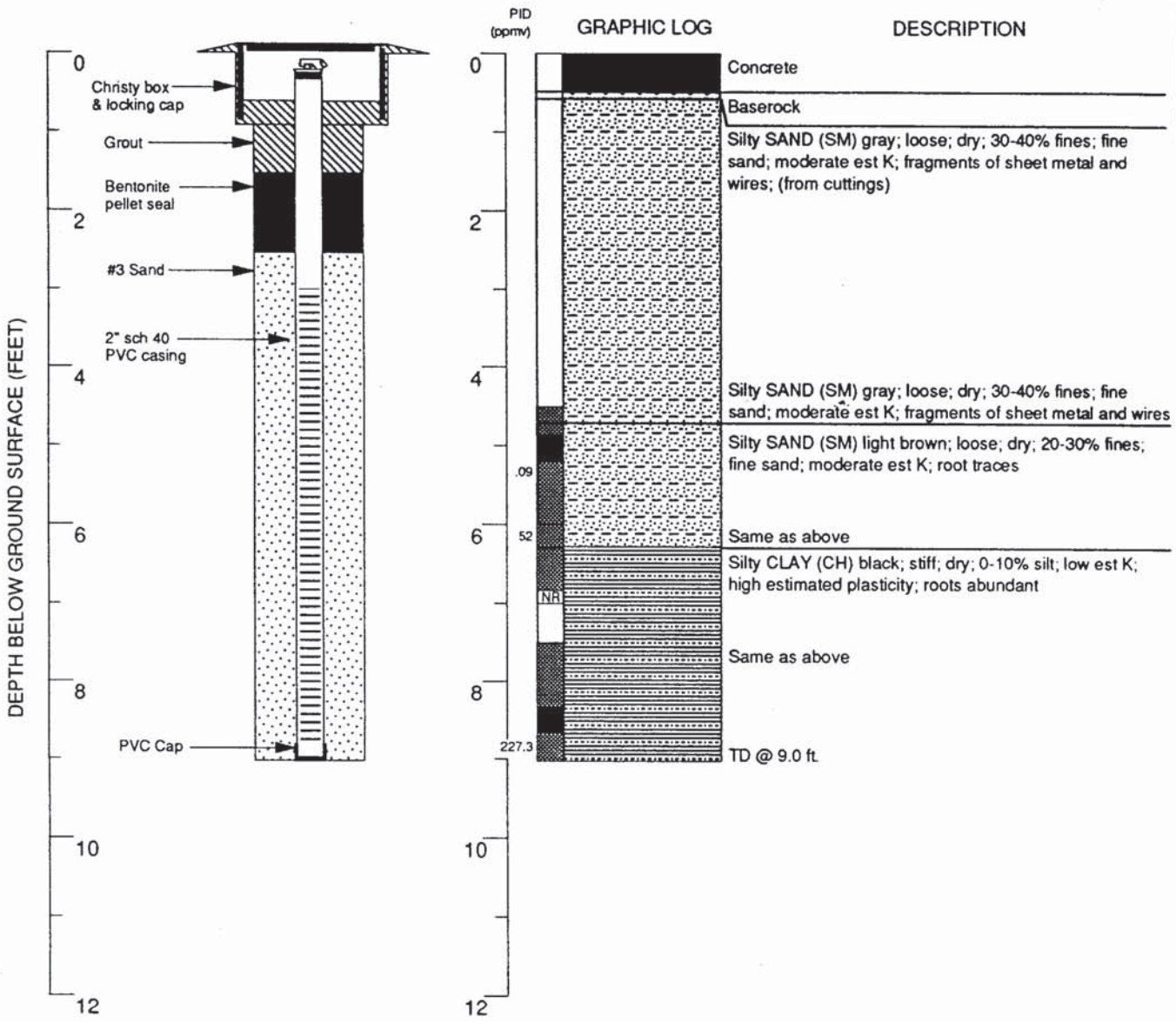
Chevron Service Station #92582
Dublin, California

VADOSE WELL

2

WESTERN GEOLOGIC RESOURCES, INC.

1-124.05



Logged by:	Ken Leonard	Drilling Company:	B & F Drilling (Chempro)	Well Head Completion:	Christy box & locking cap
Project Mgr:	Tom Howard	Drilling Method:	8.25" Hollow stem auger	Type of Sampler:	2" split barrel
Dates Drilled:	5/1/90	Driller:	Breese Franks	TD (Total Depth):	9.0 ft.

EXPLANATION

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

Boring Log and Well Completion Details
VW-3 (Boring B-8)

Chevron Service Station #92582
Dublin, California

VADOSE WELL
3

WESTERN GEOLOGIC RESOURCES, INC.

1-124.05

Drilling Log

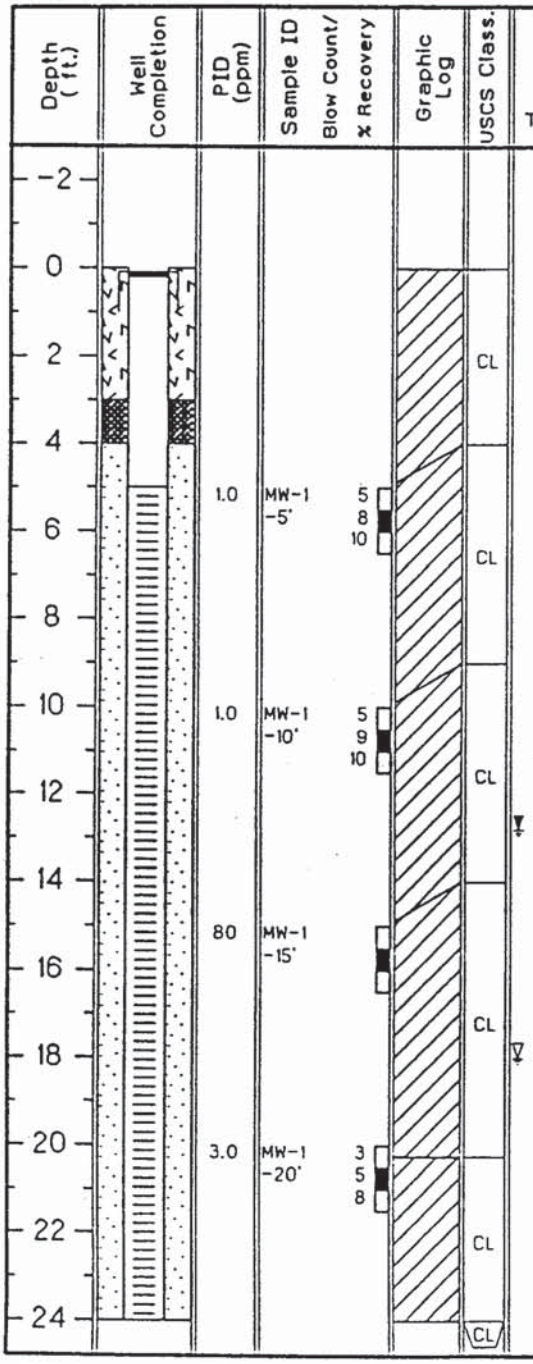
GROUNDWATER TECHNOLOGY

Monitoring Well MW-1

Project Chevron-Dublin — Owner Chevron USA Products Company
Location 7240 Dublin Boulevard, Dublin, CA — Proj. No. 02070 0027
Surface Elev. 333.8 ft. — Total Hole Depth 26.5 ft. — Diameter 8 in.
Top of Casing 333.56 ft. — Water Level Initial 18 ft. — Static 12.81 ft.
Screen: Dia 2 in. — Length 20 ft. — Type/Size 0.020 in.
Casing: Dia 2 in. — Length 5 ft. — Type Sch 40 PVC
Fill Material #3 Sand — Rig/Core CME-55/Spilt Spoon
Drill Co. SES, Inc. — Method Hollow Stem Auger/PID
Driller Morris Peterson — Log By Bruce Beale — Date 09/13/94 — Permit # ____
Checked By Ed Simonis — License No. RG#4422

See Site Map For Boring Location

COMMENTS:



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

Grass over dark brown silty CLAY (moist, no hydrocarbon odor)

Grayish brown silty CLAY (40, 60) with roots from nearby redwood tree (moist, no hydrocarbon odor)

(grades dark gray with white chalky patches, very stiff)

Static 09/23/94

(grades very plastic, hydrocarbon odor)

Encountered Water, 09/13/94, 10:30am.

Mottled gray, greenish gray, and brown silty CLAY (moist to wet, no hydrocarbon odor)

GROUNDWATER TECHNOLOGY

Drilling Log

Monitoring Well MW-1

Project Chevron-Dublin Owner Chevron USA Products Company
Location 7240 Dublin Boulevard, Dublin, CA Proj. No. 02070 0027

Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24							
26		2	MW-1 -25'	3 4 6		CL	Tan and light gray CLAY (wet, no hydrocarbon odor)
28							End of boring. Installed monitoring well.
30							
32							
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

GROUNDWATER TECHNOLOGY

Drilling Log

Monitoring Well MW-2

Project Chevron-Dublin — Owner Chevron USA Products Company

Location 7240 Dublin Boulevard, Dublin, CA — Proj. No. 02070 0027

Surface Elev. 329.4 ft. — Total Hole Depth 21.5 ft. — Diameter 8 in.

Top of Casing 329.18 ft. — Water Level Initial 16.5 ft. — Static 8.5 ft.

Screen: Dia 2 in. — Length 15 ft. — Type/Size 0.020 in.

Casing: Dia 2 in. — Length 5 ft. — Type Sch 40 PVC

Fill Material #3 Sand — Rig/Core CME-55/Spilt Spoon

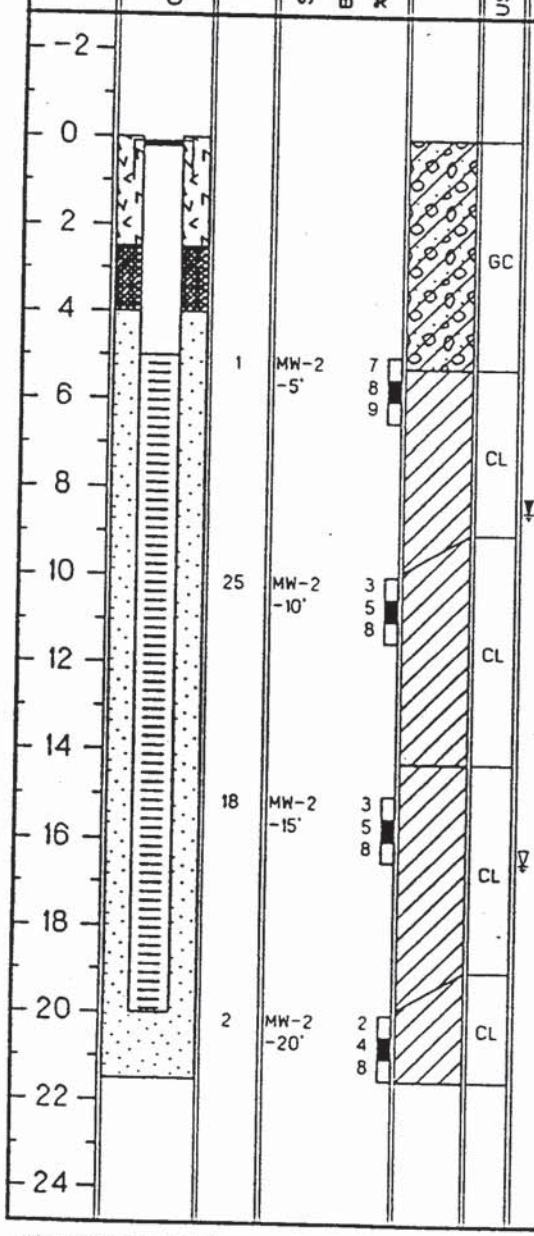
Drill Co. SES, Inc. — Method Hollow Stem Auger/PID

Driller Morris Peterson — Log By Bruce Beale — Date 09/13/94 — Permit #

Checked By Ed Simonis — License No. RG#4422

See Site Map For Boring Location

COMMENTS:



Description

(Color, Texture, Structure)

Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

Brown gravelly SAND SILT CLAY mixture (dry, no hydrocarbon odor)

Dark brown-gray mottled with tan and brown-orange silty CLAY (30, 70) (dry to moist, plastic, no hydrocarbon odor)

Static 09/23/94

Dark gray with brown mottling, sandy silty CLAY (5, 10, 85) with white calc areous specks (moist, moderate hydrocarbon odor)

Dark brown, silty CLAY (10, 90) (moist to wet, plastic, increasing hydrocarbon odor)

Encountered Water, 09/13/94, 10:30am.

Mottled green-gray and brown gray CLAY (moist to wet, no hydrocarbon odor)

End of boring. Installed monitoring well.

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well MW-3

Project Chevron-Dublin — Owner Chevron USA Products Company
Location 7240 Dublin Boulevard, Dublin, CA — Proj. No. 02070 0027
Surface Elev. 333.1 ft. — Total Hole Depth 26.5 ft. — Diameter 8 in.
Top of Casing 332.73 ft. — Water Level Initial 18 ft. — Static 12.07 ft.
Screen: Dia 2 in. — Length 20 ft. — Type/Size 0.020 in.
Casing: Dia 2 in. — Length 5 ft. — Type Sch 40 PVC
Fill Material #3 Sand — Rig/Core CME-55/Spilt Spoon
Drill Co. SES, Inc. — Method Hollow Stem Auger/PID
Driller Morris Peterson — Log By Bruce Beale — Date 09/13/94 — Permit #
Checked By Ed Simonis — License No. RG#4422

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2							
0							Grass over gray brown silty CLAY with pieces of glass
2						CL	(grades with chunks of concrete)
4							Mottled brown and tan silty CLAY (30, 70) with white calcareous specks (moist, no hydrocarbon odor)
6		0	MW-3 -5'	4 8 5		CL	
8							
10		160	MW-3 -10'	2 3 7			Dark gray-brown silty CLAY (40, 60) (stiff, moist/dry, non plastic, moderate to strong hydrocarbon odor)
12						CL	Static 09/23/94
14							Mottled gray/brown-gray CLAY (30, 70) with pale gray chalky patches (moist, plastic, moderate hydrocarbon odor)
16		30	MW-3 -15'	2 3 6		CL	
18							Encountered Water, 09/13/94, 17:10pm.
20		3	MW-3 -20'	2 3 8			Mottled gray and brown silty sandy CLAY (10, 40, 50) (moist, very slight hydrocarbon odor)
22						CL	
24						CL	

GROUNDWATER TECHNOLOGY

Drilling Log

Monitoring Well MW-3

Project Chevron-Dublin Owner Chevron USA Products Company
Location 7240 Dublin Boulevard, Dublin, CA Proj. No. 02070 0027

Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
24							(grades silty clay (20, 80) with light gray irregular-shaped hard calcareous concentrations to 1"long, no hydrocarbon odor)
26		0	MW-3 -25'	3 5 7		CL	End of boring. Installed monitoring well.
28							
30							
32							
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

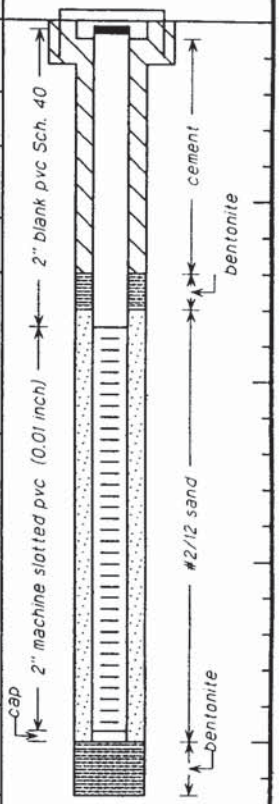
Gettler-Ryan, Inc.

Log of Boring MW-4

PROJECT: *Chevron SS# 9-2582*	LOCATION: *7240 Dublin Boulevard, Dublin, CA*
G-R PROJECT NO. : *5274.01*	SURFACE ELEVATION: *332.64 feet MSL*
DATE STARTED: *02/22/96*	WL (ft. bgs): *11.5* DATE: *02/22/96* TIME: *14:40*
DATE FINISHED: *02/22/96*	WL (ft. bgs): *10.4* DATE: *02/22/96* TIME: *15:20*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *21.5 Feet*
DRILLING COMPANY: *Bay Area Exploration, Inc.*	GEOLOGIST: *B. Sieminski*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					PAVEMENT – concrete over sand.
				CL	CLAY (CL) – black (10YR 2/1), damp, stiff, medium plasticity; 100% clay.
				CL	CLAY (CL) – very dark grayish brown (10YR 3/2), mottled strong brown (7.5YR 3/4), moist, stiff, low plasticity; 95% clay, 5% fine sand.
5	0	8	MW4-6	CL/SC	SANDY CLAY WITH LENSES OF CLAYEY SAND (CL/SC) – very dark gray (5Y 3/1), moist, stiff, low plasticity; 70% clay, 30% fine sand.
				CH	CLAY (CH) – black (N/0) mottled gray (N 5/0), moist, stiff, high plasticity; 95–100% clay, 0–5% carbonate nodules.
10	0	12	MW4-9.5		
				CL	SANDY CLAY (CL) – dark gray (10YR 4/1) mottled light brownish gray (10 YR 6/1), saturated, stiff, low plasticity; 70% clay, 30% fine to coarse sand consisting of carbonate grains.
15	0	11	MW4-16		
				CL	CLAY (CL) – dark gray (5Y 4/1) mottled olive (5Y 4/3), damp to moist, stiff, medium plasticity; 95% clay, 5% fine sand.
20	0	10	MW4-21		
					Bottom of boring at 21.5 feet, 02/22/96.
25					
30					(* = converted to equivalent standard penetration blows/ft.)
35					

WELL DIAGRAM



JOB NUMBER: *5274.01*

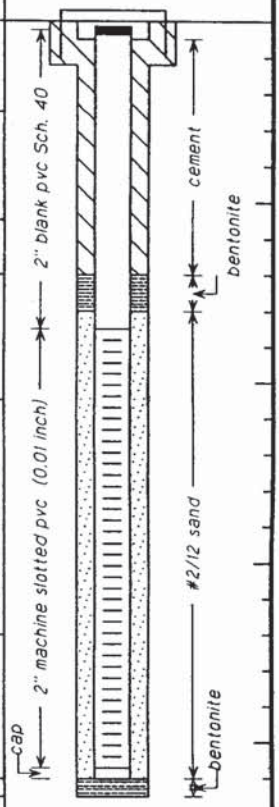
Gettler-Ryan, Inc.

Log of Boring MW-5

PROJECT: *Chevron SS# 9-2582*	LOCATION: *7240 Dublin Boulevard, Dublin, CA*
G-R PROJECT NO. : *5274.01*	SURFACE ELEVATION: *333.20 feet MSL*
DATE STARTED: *02/22/96*	WL (ft. bgs): *17.0* DATE: *02/22/96* TIME: *11:10*
DATE FINISHED: *02/22/96*	WL (ft. bgs): *9.7* DATE: *02/22/96* TIME: *12:30*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *21.5 Feet*
DRILLING COMPANY: *Bay Area Exploration, Inc.*	GEOLOGIST: *B. Sieminski*

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					PAVEMENT – clay bricks over sand, asphalt and baserock.
				CL	CLAY (CL) – black (10YR 2/1), damp, stiff, medium plasticity; 100% clay.
5	0	8	MW5-6	CL/SC	SANDY CLAY WITH GRAVEL AND LENSES OF CLAYEY SAND (CL/SC) – dark gray (10YR 4/1), moist, stiff, low plasticity; 60% clay, 30% fine sand, 10% fine gravel.
	0	6	MW5-8	CH	CLAY (CH) – black (10YR 2/1), moist, stiff, high plasticity; 100% clay.
	0	10	MW5-9.5		With carbonate nodules.
10				CL	CLAY WITH SAND (CL) – very dark gray (5Y 3/1), moist, stiff, medium plasticity; 85% clay, 15% fine to coarse sand consisting of carbonate grains.
	0	11	MW5-14		With olive (5Y 4/3) mottling.
15	0	12	MW5-16		Sand increases to 25%, no olive mottling, low plasticity.
				CL/SC	CLAYEY SAND WITH LENSES OF SANDY CLAY (CL/SC) – dark gray (5Y 4/1) mottled olive (5Y 4/3), saturated, medium dense; 50% fine sand , 50% clay; soft drilling at 17-18 feet.
20	0	13	MW5-21	CL	CLAY (CL) – dark gray (5Y 4/1) mottled olive (5Y 4/3), moist, stiff, medium plasticity; 90% clay, 10% fine sand; carbonate nodules.
					Bottom of boring at 21.5 feet, 02/22/96.
25					
30					(* = converted to equivalent standard penetration blows/ft.)
35					

WELL DIAGRAM



JOB NUMBER: *5274.01*

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE S-1

Boring Location: See Site Map.

Project: 2692
Site Location: 7240 Dublin Blvd, Dublin CA
Drilling Method: HSA
Driller: Woodward Drilling (Frank Ramirez)
Logged By: R Papler

Date Drilled: April 25, 2003
Casing Elevation: NA
Depth to 1st Groundwater: 6.5 ft
Approved By: M Sepehr PE

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED: continuous core	SAMPLED: blow count per 1 ft	POTENTIAL WATER-BEARING ZONE AS PER EC LOGS
				4" concrete over 3" baserock			
0			CH	CLAY: dark gray brown, firm to stiff, moist, highly plastic. No petroleum hydrocarbon (PHC) odors.			
0			CL	SANDY CLAY: dark gray brown, firm to stiff, moist, plastic, 30-40% very fine sand. No PHC odor.			
97	5		SM&ML	SILTY SAND & SANDY SILT: light gray brown, loose to medium dense, firm, moist to v. moist becoming wet at 5 to 6'. No PHC odor.		10	UPPER-SHALLOW
115			CL	SILTY CLAY: dark gray brown, stiff to v. stiff, moist, plastic w/ stringer of moist v. fine sand at 7'. Moderate PHC odor.		17	
						15	
180						23	
	10					12	
				As Above with some caliche below 11'		21	
56						18	
						32	
31						24	
20	15		SC/CL	CLAYEY SAND/SANDY CLAY: light gray brown, firm to stiff, moist, slightly to moderately plastic, 40-60% v. fine sand w/ v. moist stringers of med. to fine sand. Slight PHC odor.		28	
15			CH	CLAY: gray, firm to stiff, moist, highly plastic w/ gastropod shells and carbonaceous deposits. No PHC odor.		16	
10			SM	SILTY SAND: brownish gray, loose to med. dense, v. moist to wet, fine to coarse, moderately sorted. No PHC odor.		19	
						12	SHALLOW
5			CL	SANDY CLAY: gray, stiff, moist, plastic, 30-40% v. fine sand w/ v. moist stringer of sandy silt at 19.5'. No PHC odor.		18	
	20					40	
						43	
			CL	GRAVELLY CLAY w/some Sand: ls brownish gray, wet, 20-30% well rounded gravel to 1/2", <15% v. fine sand. No PHC odor.		10	
0			CL	SILTY CLAY: gray brown mottled gray, moist, v. stiff to hard, plastic w/ some caliche. No PHC odor.		22	
						15	
	25					23	

SOMA ENVIRONMENTAL ENGINEERING, INC.

GEOLOGIC LOG OF BOREHOLE S-1

Boring Location: See Site Map.

Project: 2692
Site Location: 7240 Dublin Blvd
Dublin CA
Drilling Method: HSA
Driller: Woodward Drilling (Frank Ramirez)
Logged By: R Papler

Date Drilled: April 25, 2003
Casing Elevation: NA
Depth to 1st Groundwater: NA
Approved By: M Sepehr PE

PID ppm	DEPTH	GRAPHIC LOG	SOIL CLASS.	GEOLOGIC DESCRIPTION	SAMPLED continuous	SAMPLED blow counts	POTENTIAL WATER-BEARING ZONE AS PER EC LOGS
0			CL	SILTY CLAY: gray brown mottled gray, moist, v. stiff, to hard, plastic w/ some caliche. No PHC odor		25	MIDDLE
				As Above		33	
						28	
	30					40	
						20	
0			CL	SANDY CLAY: gray, stiff, v. moist, plastic, 15-30% v. fine sand. No PHC odor.		38	
						22	
						37	
0			SP&ML	SAND interbedded w/ SANDY SILT: gray, loose to medium dense, wet, v. fine, well sorted. No PHC odor.		20	
				CLAYEY SAND/SANDY CLAY: gray becoming grayish brown w/ depth, medium dense to dense, moist, plastic. No PHC odor.		36	
	35		SC/CL			54	
0				As above w/ stringer of wet silty sand at 36'.		64	
						48	DEEPER
						62	
				CLAYEY SAND: gray brown mottled gray, medium dense to dense, moist to v. moist, slightly plastic w/ stringers of wet silty sand at 41', 41.5', and 43'. No PHC odor.		15	
	40		SC			27	
0				As above with stringers of wet silty sand at 41', 41.5', and 43'.		18	
						34	
				SILTY CLAY: gray brown mottled gray, v. stiff to hard, moist, plastic w/ stringer of v. moist silty sand at 47.25' w/ abundant caliche at 45-46'. No PHC odor.		55	
	45					66	
			CL			26	
0				As above with moist silty sand stringer at 47'.		38	
						47	
						57	
	50			Total Depth: 49 ft bgs			

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BORING NUMBER SB-2

CLIENT Hadjian
PROJECT NAME Hadjian - Dublin
PROJECT NUMBER 1001.001
PROJECT LOCATION 7240 Dulbin Blvd
DATE STARTED 5/18/06 **COMPLETED** 5/18/06
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push - Single Wall
AT TIME OF DRILLING ---
LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell
AT END OF DRILLING ---
NOTES Concrete cored - hand auger to 5'.
AFTER DRILLING ---

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	BORING DIAGRAM
0					Concrete	Concrete
					1.0	
					Clay (CL); black; 90-95% medium plasticity fines; 5-10% fine- to coarse-grain sand stringers; moist.	
5	SB-2-5	3				
10	SB-2-10	81	CL		**Clay with sand (CL)**; black and grey; 70-80% medium plasticity fines; 20-30% fine- to coarse-grain sand stringers; trace fine gravel; moist; no odor. @9.5' strong hydrocarbon odor. @12' no odor	Portland Cement
15	SB-2-15	62			**Clay (CL)**; black and grey; 85-95% medium plasticity fines; 5-15% fine- to coarse-grain sand stringers; trace (less than 5%) fine gravel.	
					Clay with sand (CL); brown and grey; 60-70% medium plasticity fines; 20-30% fine- to coarse-grain sand; 10% fine gravel; moist.	
20	SB-2-20	2			@19.5' A 1" lense of Clayey Gravel with sand; 50-60% fine gravel; 20-30% coarse grain sand; 20-30% medium plasticity fines.	
					(*@16' Set temporary casing and left in open borehole for 4.5 hours. No water. @20' Set temporary casing and left open for 1.5 hours. No Water.*)	
					Bottom of hole at 20.0 feet.	

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BORING NUMBER SB-1

CLIENT Hadjian
PROJECT NAME Hadjian - Dublin
PROJECT NUMBER 1001.001
PROJECT LOCATION 7240 Dublin Blvd
DATE STARTED 5/18/06 **COMPLETED** 5/18/06
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push - Single Wall
AT TIME OF DRILLING ---
LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell
AT END OF DRILLING ---
NOTES Hand Auger to 5'
AFTER DRILLING ---

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	BORING DIAGRAM
0.0					0.3 Asphalt	Concrete
					Well graded sandy gravel(GW); grey; baserock; 75-85% fine gravel to 1/2"; 15-25% fine- to coarse-grain sand; moist.	
2.5					3.0	
			CL		**Clay (CL)**; black, 90-95% medium plasticity fines; 5-10% fine- to coarse-grain sand stringers; moist.	
					4.0	
			GW		**Well graded sandy gravel(GW)**; grey; baserock; 75-85% fine gravel to 1/2"; 15-25% fine- to coarse-grain sand; moist.	
5.0					5.0	
					No Recovery	
					7.0	
7.5	SB-1-7	5			**Well graded sandy gravel(GW)**; grey; baserock; 75-85% fine gravel to 1/2"; 15-25% fine- to coarse-grain sand; moist.	Portland Cement
			GW			
10.0						
	SB-1-11					
12.5						
					@13' Strong hydrocarbon odor.	
	SB-1-14	274			14.0	
					(*@14' hit something solid (top of sewer line) and stop. Moved 2' south and start new hole (SB-1A).*)	
					Bottom of hole at 14.0 feet.	

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WELL NUMBER MW-11C

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DATE STARTED 3/28/06 **COMPLETED** 3/28/06 **GROUND ELEVATION** _____ **HOLE SIZE** 8"

DRILLING CONTRACTOR Gregg Drilling **GROUND WATER LEVELS:**

DRILLING METHOD Direct Push - Single Wall ▽ **AT TIME OF DRILLING** 19.0 ft

LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell **AT END OF DRILLING** ---

NOTES _____ ▼ **7hrs AFTER DRILLING** 9.0 ft

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						0.5 Grass topsoil; black; organics; roots.	Concrete
						Clay with sand (CL); grey; 70-80% medium plasticity fines; 20-30% fine- to coarse-grain sand.	
5	MW-11C-5						
						▼	
10			3			**Clay (CL)**; grey and brown; 80-90% medium plasticity fines; 10-20% medium- to coarse-grain sand stringers; moist; strong hydrocarbon odor.	
			4				
	MW-11C-11	69	10				
			3				
			4			@13' Increased sand stringers (30-40%)	
			6				
			3				
			6				
			11			@15' Decreased sand stringers (10-20%)	
15			3				
	MW-11C-15	5	5				Portland Cement
			10				
			3				
			4				
			5	CL			
			4				
			5				
			5			▽ @19' Increased moisture	
			2				
20			2				
		0	4				
			3			@21' Decreased sand stringers (trace - 5%); black; stiff.	
			4				
			4				
			5				
			6			@23' Brown	
			7				
			5				
			7			**Sandy Clay with gravel (CL)**; grey; 40-50% medium to high plasticity fines; 20-30% medium- to coarse-grain sand; 20-30% fine gravel; moist.	
25			8				

TOTAL WELL LOG DULBIN MW11C.GPJ GINT US.GDT 11/19/07

(Continued Next Page)

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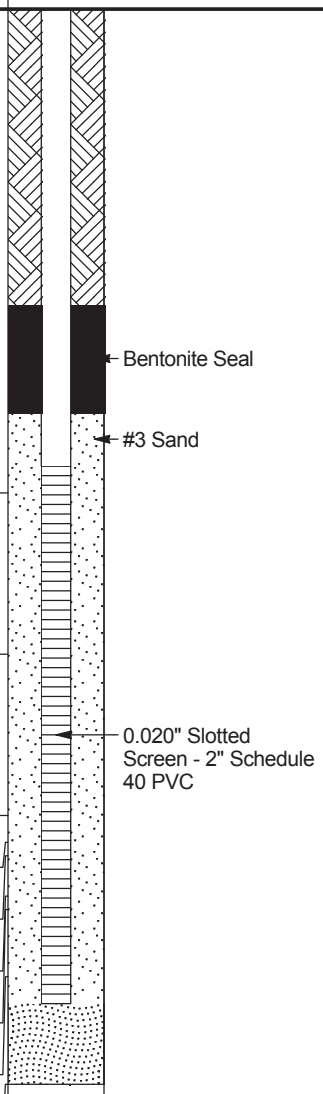
WELL NUMBER MW-11C

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
25		0	5			**Clay (CL)**; grey and brown; 80-90% medium plasticity fines; 10-20% medium- to coarse-grain sand stringers; moist; strong hydrocarbon odor. *(continued)*
			7			
			8			
			3			**Sandy Clay with gravel (CL)**; grey; 40-50% medium to high plasticity fines; 20-30% medium- to coarse-grain sand; 20-30% fine gravel; moist.
			4			
			4			**Clay (CL)**; grey and brown; 80-90% medium plasticity fines; 10-20% medium- to coarse-grain sand stringers; moist; strong hydrocarbon odor.
			3			
			6			
			6			@29' Less stiff.
30			3			
		0	5	CL		@30' More stiff as before; increased sand; 20-30% medium- to coarse-grain sand stringers.
			5			
			2			
			3			
			6			
			4			
			5			
			6		34.0	
			4			**Clayey Sand (SC)**; grey; 50-60% fine- to coarse-grain sands; 40-50% medium plasticity fines; moist.
35			4			
		0	5	SC		
			3			
			5			
			6		37.0	
			3			**Poorly graded sand with clay (SP-SC)**; 85-95% fine- to medium-grain sand; 5-15% non plastic fines; wet.
			4			
			8	SP-SC		
			3			
			4			
40			6		40.0	
		0	3	CL	40.5	**Clay (CL)**; 80-90% medium plasticity fines; 10-20% fine- to medium-grain sand.
			5	SP-SC		
			7		40.8	**Poorly graded sand with clay (SP-SC)**; 85-95% fine- to medium-grain sand; 5-15% non plastic fines; wet.
				CL	41.5	
			3			**Clay (CL)**; 80-90% medium plasticity fines; 10-20% fine- to medium-grain sand.
			4	SP-SC	41.8	
			7	CL	43.0	**Poorly graded sand with clay (SP-SC)**; 85-95% fine- to medium-grain sand; 5-15% non plastic fines; wet.
			3			
			4	SP-SC		**Clay (CL)**; 80-90% medium plasticity fines; 10-20% fine- to medium-grain sand.
			7			
45			3		45.0	**Poorly graded sand with clay (SP-SC)**; 85-95% fine- to medium-grain sand; 5-15% non plastic fines; wet.
		0				Bottom of hole at 45.0 feet.

WELL DIAGRAM



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WELL NUMBER DPE-2

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DATE STARTED 7/15/09 **COMPLETED** 7/15/09 **GROUND ELEVATION** _____ **HOLE SIZE** 10"

DRILLING CONTRACTOR ECA **GROUND WATER LEVELS:**

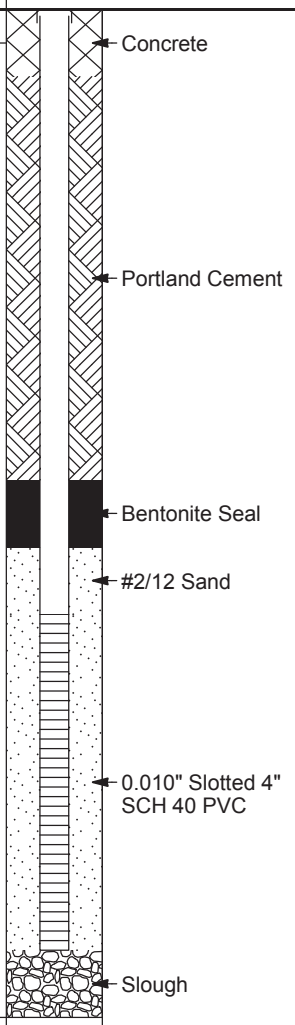
DRILLING METHOD Hollow Stem Auger - 10" **AT TIME OF DRILLING** ---

LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell **AT END OF DRILLING** ---

NOTES Hand Auger to 5'; logged from cuttings. **AFTER DRILLING** ---

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						0.5 **Grass, Topsoil.**
				CL		**Clay with Sand (CL)**; black; 80-90% medium to high plasticity fines; 10-20% fine- to coarse-grain sand stringers.
5						
						@9' Hydrocarbon odor.
10						
15						15.0 Bottom of hole at 15.0 feet.

WELL DIAGRAM



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BORING NUMBER SB-1A

CLIENT Hadjian
PROJECT NAME Hadjian - Dublin
PROJECT NUMBER 1001.001
PROJECT LOCATION 7240 Dublin Blvd
DATE STARTED 5/18/06 **COMPLETED** 5/18/06
GROUND ELEVATION _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push - Single Wall
AT TIME OF DRILLING 14.0 ft
LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell
AT END OF DRILLING ---
NOTES _____
1hrs AFTER DRILLING 11.2 ft

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	BORING DIAGRAM
0					0.1 Asphalt	Concrete
			GW		**Well graded sandy gravel (GW)**; grey; baserock; 75-85% fine gravel to 1/2"; 15-25% fine- to coarse-grain sand; moist.	
					4.0	
			CL		4.5 **Clay (CL)**; black, 90-95% medium plasticity fines; 5-10% fine- to coarse-grain sand stringers; moist.	
5			GW		**Well graded sandy gravel(GW)**; baserock; 75-85% fine gravel to 1/2"; 15-25% fine- to coarse-grain sand; moist.	
	SB-1A-5				6.0	
			CL		**Clay (CL)**; black and grey; 80-90% medium plasticity fines; 10-20% fine- to coarse-grain sand; trace gravel.	
					8.0	
					No Recovery	Portland Cement
10						
					11.0	
					▽ **Clay (CL)**; black and grey; 80-90% medium plasticity fines; 10-20% fine- to coarse-grain sand; trace gravel.	
		4	CL			
		7			14.0 ▽	
			SC		14.5 **Clayey Sand (SC)**; black; 80-90% fine-grain sand; 10-20% medium plasticity fines; wet.	
15						
	SB-1A-15	3	CL		**Clay (CL)**; black and grey; 80-90% medium plasticity fines; 10-20% fine- to coarse-grain sand; trace gravel.	
					16.0 (*@16' Set temporary casing and left in open borehole for 1 hour. Water sample SB-1A-W.*)	
					Bottom of hole at 16.0 feet.	

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WELL NUMBER MW-10C

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DATE STARTED 3/27/06 **COMPLETED** 3/27/06 **GROUND ELEVATION** _____ **HOLE SIZE** 8"

DRILLING CONTRACTOR Gregg Drilling **GROUND WATER LEVELS:**

DRILLING METHOD Direct Push - Single Wall ▽ **AT TIME OF DRILLING** 17.0 ft

LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell **AT END OF DRILLING** ---

NOTES Hand Auger to 5'. **AFTER DRILLING** ---

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						0.5 Asphalt	
						Clay (CL); black and brown; 90-95% medium plasticity fines; 5-10% fine- to coarse-grain sand stringers.	
5	MW-10C-5					@5' No odor.	
				CL			
10	MW-10C-10	1129	2			@10' Gray and black; trace roots; moist; hydrocarbon odor.	
			5				
			5				
			3				
			5				
			5				
			3				
			4			@14.5' No odor.	
15			6				
	MW-10C-15	101	4				
			6				Portland Cement
			6				
			3				
			3			▽	
			5			**Clay with sand (CL)**; grey and black; 75-85% medium plasticity fines; 10-20% fine- to coarse-grain sand stringers; trace to 5% fine gravel; stiff; increased moisture.	
			4				
			7				
			11				
20			3				
			6				
		3	4				
			3				
			7	CL			
			8				
			4			@24' Increased sand; 20-30% fine- to coarse-grain sand stringers; no gravel.	
			7				
			8				
			4				
			6				
25			9				

TOTAL WELL LOG DUBLIN MW10C.GPJ GINT US.GDT 11/19/07

(Continued Next Page)

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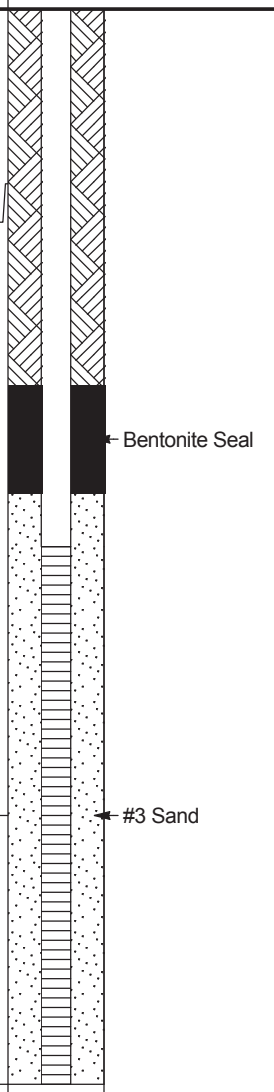
WELL NUMBER MW-10C

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
25		0	4	CL		
			7			
			7			
			4			
			6			
			7			
			3	SC		28.3 **Clayey Sand (SC)**; grey; 75-85% fine- to medium-grain sand; 15-25% medium plasticity fines; moist.
			5			
			6			**Clay with sand (CL)**; grey and black; 75-85% medium plasticity fines; 10-20% fine- to coarse-grain sand stringers; trace to 5% fine gravel; stiff; increased moisture.
30			4			
		22	9			
			10			
			4			**Clay (CL)**; grey; 90-95% medium plasticity fines; trace to 5% medium- to coarse-grain sand; trace to 5% fine gravel.
			6			
			7			
			4			
			6			@33' increased sand; 20-30% fine- to coarse-grain sand; no gravel.
			7			
			4			
35			5			
		0	6	CL		@35' decreased sand; 5-10% medium- to coarse-grain sand stringers.
			4			
			5			@36' increased sand; 20-30% fine- to coarse-grain sand stringers.
			9			
			5			
			6			
			7			@38' decreased sand; 5-10% medium- to coarse-grain sand stringers.
			5			
			8			
40			9			40.0
		2	4	SC		**Sand with silt (SC)**; grey; 60-70% fine- to medium-grain sand; 30-40% low plasticity fines; moist.
			12			
			14			
			5			
			6			
			7			@43' Sand; grey; 95-100% fine- to coarse-grain sand; trace to 5% non-plastic fines.
			6			
			9			
			11			
45		2	7			45.0
						Bottom of hole at 45.0 feet.



TOTAL WELL LOG DUBLIN MW10C.GPJ GINT US.GDT 11/19/07

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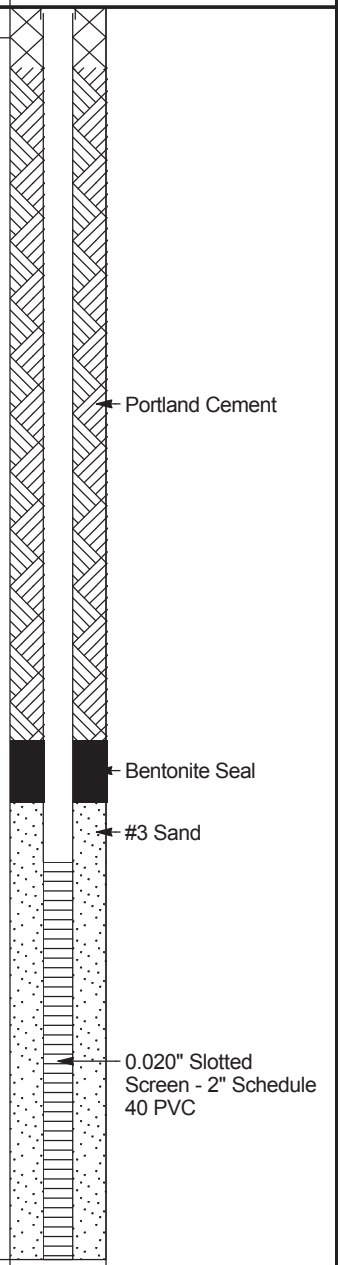
WELL NUMBER MW-9A

CLIENT Hadjian
PROJECT NAME Hadjian - Dublin
PROJECT NUMBER 1001.001
PROJECT LOCATION 7240 Dublin Blvd
DATE STARTED 4/3/06 **COMPLETED** 4/3/06
GROUND ELEVATION _____ **HOLE SIZE** 8"
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push - Single Wall
▽ **AT TIME OF DRILLING** 11.5 ft
LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell
AT END OF DRILLING ---
NOTES Concrete cored; hand auger to 5'.
▼ **10hrs AFTER DRILLING** 9.8 ft

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						0.5 Concrete, baserock.
				CL		**Silty Clay (CL)**; grey and black; 80-90% low to medium plasticity fines; 10-20% fine- to medium-grain sand; moist.
5	MW-9A-5	0				
			2			
			3			
10			3			▼ @9.5' 1" lens of brown clayey sand; 70-80% fine- to medium-grain sand; 20-30% medium plasticity fines; slight hydrocarbon odor.
	MW-9A-10	0	3			
			6			@11' No odor.
			9			▽
			3			**Sandy Clay (CL)**; grey and brown; 60-70% medium plasticity fines; 30-40% fine- to coarse-grain sand stringers; moist to wet.
			6			**Clay (CL)**; grey and black; 80-90% medium plasticity fines; 10-20% fine- to coarse-grain sand stringers; trace fine gravel to 1/2"; moist.
			5			
			3			
			3			
			5	CL		
15			4			
	MW-9A-15	0	5			
			5			
			3			
			5			
			5			**Clay (CL)**; grey and black; 70-80% medium plasticity fines; 20-30% fine- to medium-grain sand; trace fine gravel; moist.
			3			
			3			
			4			**Clay (CL)**; grey and black; 90-95% medium plasticity fines; 5-10% fine- to medium-grain sand; trace fine gravel; moist.
			3			
20			5			
		0	7			20.5
						Bottom of hole at 20.5 feet.



TOTAL WELL LOG DUBLIN MW9A.GPJ GINT US.GDT 11/19/07

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Oakland, CA 94612
Telephone: 510-836-3700
Fax: 510-836-3709

WELL NUMBER MW-8A

CLIENT Hadjian
PROJECT NAME Hadjian - Dublin
PROJECT NUMBER 1001.001
PROJECT LOCATION 7240 Dublin Blvd
DATE STARTED 5/17/06 **COMPLETED** 5/17/06
GROUND ELEVATION _____ **HOLE SIZE** 8"
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push - Single Wall
▽ **AT TIME OF DRILLING** 14.5 ft
LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell
AT END OF DRILLING ---
NOTES Concrete cored; hand Auger to 5'
AFTER DRILLING ---

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						**Clay (CL)**; black; 90-95% medium plasticity fines; 5-10% fine- to coarse-grain sand stringers; moist.	Concrete
5	MW-8A-5	4		CL			Portland Cement Type II
10	MW-8A-10	2				(*@11' Driller noted 'soft' drilling*)	Bentonite
							#3 Sand
						14.5 ▽	
15	MW-8A-15	5		SC		**Clayey sand (SC)**; brown; 70-80% fine-grain sand; 20-30% medium plasticity fines; increased moisture.	
						15.5	
				CL		**Clay (CL)**; black, 70-80% medium plasticity fines; 10-20% fine- to coarse-grain sand; trace to 10% fine gravel.	0.02" Schedule 40 PVC
20						**Clay (CL)**; black; 90-95% medium plasticity fines; 5-10% fine- to coarse-grain sand.	
						20.0	
						Bottom of hole at 20.0 feet.	

TOTAL WELL LOG DUBLIN MW8A.GPJ GINT US.GDT 11/19/07

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, CA 94612
Telephone: 510-836-3700
Fax: 510-836-3709

WELL NUMBER MW-7B

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DATE STARTED 3/29/06 **COMPLETED** 3/29/06 **GROUND ELEVATION** _____ **HOLE SIZE** 8"

DRILLING CONTRACTOR Gregg Drilling **GROUND WATER LEVELS:**

DRILLING METHOD Hollow Stem Auger - 8" **AT TIME OF DRILLING** 14.0 ft

LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell **AT END OF DRILLING** ---

NOTES Concrete cored; Hand Auger to 5'. **29hrs AFTER DRILLING** 8.8 ft

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						0.5 Concrete	Concrete
						1.0 Sand	
						Silty Clay (CL); grey and black; 90-95% low to medium plasticity fines; 5-10% fine-grain sand; trace roots; slightly moist.	
5	MW-7B-5	0				@8' Slight hydrocarbon odor.	
10	MW-7B-11	231	2 3 3 2 3 3 2 3	CL		**Clay (CL)**; grey and black; 80-90% medium plasticity fines; 10-20% medium- to coarse-grain sand stringers; trace fine gravel; stiff; moist; strong hydrocarbon odor.	Portland Cement
15		2	4 3 5 6 3 4			@15' No hydrocarbon odor.	
			6 2 4	SC		17.0 **Clayey Sand (SC)**; grey; 50-60% fine- to coarse-grain sand; 30-40% medium plasticity fines; 5-10% fine gravel; wet. 18.5	
20		0	4 2 4 5 3 5 7 3 6 6 2 2	CL		**Clay (CL)**; grey and black; 80-90% medium plasticity fines; 10-20% medium- to coarse-grain sand stringers; trace fine gravel; stiff; moist.	Bentonite Seal
25			3				

TOTAL WELL LOG DUBLIN MW-7B.GPJ GINT US.GDT 11/19/07

(Continued Next Page)

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, CA 94612
Telephone: 510-836-3700
Fax: 510-836-3709

WELL NUMBER MW-7B

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
25		0	3	CL		**Clay (CL)**; grey and black; 80-90% medium plasticity fines; 10-20% medium- to coarse-grain sand stringers; trace fine gravel; stiff; moist. *(continued)*	
			5				
			6				
			2			27.0	
			2	SC		**Clayey Sand (SC)**; grey; 70-80% fine- to medium-grain sand; 20-30% medium plasticity fines; wet.	#3 Sand
			3				
			3				
			5			29.0	
			6	CL		**Clay (CL)**; brown and grey; 80-90% medium plasticity fines; 10-20% fine- to coarse-grain sand stringers; stiff to medium stiff.	
30			4				
		0	6				
			8				
			5				
			9				
			9				Bentonite
			5				
			6				
			7				
			4				
35			6				
		0	6			Bottom of hole at 35.5 feet.	

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, CA 94612
Telephone: 510-836-3700
Fax: 510-836-3709

WELL NUMBER MW-3A

CLIENT Hadjian
PROJECT NAME Hadjian - Dublin
PROJECT NUMBER 1001.001
PROJECT LOCATION
DATE STARTED 3/30/06 **COMPLETED** 3/30/06
GROUND ELEVATION **HOLE SIZE** 10"
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push - Single Wall
AT TIME OF DRILLING 15.0 ft
LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell
AT END OF DRILLING 0.0 ft
NOTES Hand Auger to 5', Pilot boring continously cored to 20' bgs.
4hrs AFTER DRILLING 10.2 ft

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						0.5 Grass; topsoil; organics; roots.	Concrete
				CL		**Silty Clay (CL)**; grey and black; 90-95% low to medium plasticity fines; 5-10% fine-grained sand; trace roots; slightly moist.	
5							Portland Cement
							Bentonite Seal
10	MW-3A-10	213				@10' Hydrocarbon Odor @10.5' 3" lens with 10-20% fine-grained sand; no odor. @11' Moist; stiff; strong hydrocarbon odor. @12-13' 10-20% fine-grained sand; no odor. @13' hydrocarbon odor.	#3 Sand
15	MW-3A-15	2		CL		15.0 **Sandy Clay (CL)**; brown and black; 50-60% medium plasticity fines; 40-50% fine- to coarse-grain sand; trace fine-gravel; moist; hydrocarbon odor.	0.020" Slotted screen - 2" schedule 40 PVC.
				CL		17.0 **Clay (CL)**; grey and black; 90-95% medium plasticity fines; 5-10% fine- to coarse-grain sand stringers; moist; no odor.	Bentonite Native Soils
20		0				@19.5' 10-20% fine- to coarse-grain sand stringers. 20.0 *(Pilot boring was advanced to 20' using direct push. Boring was reamed with a 10" hollow stem auger to facilitate the installation of the well.)* Bottom of hole at 20.0 feet.	

TOTAL WELL LOG DUBLIN - MW3A.GPJ GINT US.GDT 11/19/07

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, CA 94612
Telephone: 510-836-3700
Fax: 510-836-3709

WELL NUMBER MW-6C

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DATE STARTED 3/30/06 **COMPLETED** 3/30/06 **GROUND ELEVATION** _____ **HOLE SIZE** 8"

DRILLING CONTRACTOR Gregg Drilling **GROUND WATER LEVELS:**

DRILLING METHOD Hollow Stem Auger - 8" **AT TIME OF DRILLING** 15.0 ft

LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell **AT END OF DRILLING** ---

NOTES Concrete cored, hand auger to 5'. **AFTER DRILLING** 9.0 ft

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						Concrete; baserock.	Concrete
1.0						**Silty Clay (CL)**; grey and black; 90-95% low to medium plasticity fines; 5-10% fine-grained sand; slightly moist.	
5	MW-6C-5	0					
10	MW-6C-10	87		CL		@10' Hydrocarbon Odor **Sandy Clay (CL)**; brown; 60-70% medium plasticity fines; 30-40% fine- to coarse-grain sand; trace fine-gravel; trace roots; no odor. **Clay (CL)**; grey and black; 70-80% medium to high plasticity fines; 20-30% fine- to coarse-grain sand stringers; strong hydrocarbon odor.	
15	MW-6C-15	5				**Sandy Clay**; brown; 60-70% meidum plasticity fines; 30-40% fine- to coarse-grained sand; moist, decreased odor. **Clay (CL)**; grey and black; 90-95% medium to high plasticity fines; 5-10% fine- to coarse-grain sand stringers; faint hydrocarbon odor.	Portland Cement
18.0							
18.5				SC		**Clayey Sand (SC)**; brown; 60-70% fine- to medium-grain sand; 30-40% medium plasticity fines; moist; no odor.	
20		14				**Clay (CL)**; grey and black; 90-95% medium to high plasticity fines; 5-10% fine- to coarse-grain sand stringers; no odor. **Clay (CL)**; grey and black; 70-80% medium to high plasticity fines; 20-30% fine- to coarse-grain sand stringers; no odor. **Clay (CL)**; grey and black; 90-95% medium to high plasticity fines; 5-10% fine- to coarse-grain sand stringers; no odor.	
25				CL		**Sandy Clay (CL)**; brown; 60-70% medium plasticity fines; 30-40% fine- to coarse-grain sand; no odor. **Clay (CL)**; grey and black; 90-95% medium to high plasticity fines; 5-10% fine- to coarse-grain sand stringers; no odor	

TOTAL WELL LOG DUBLIN MW-6C.GPJ GINT US.GDT 11/19/07

(Continued Next Page)

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, CA 94612
Telephone: 510-836-3700
Fax: 510-836-3709

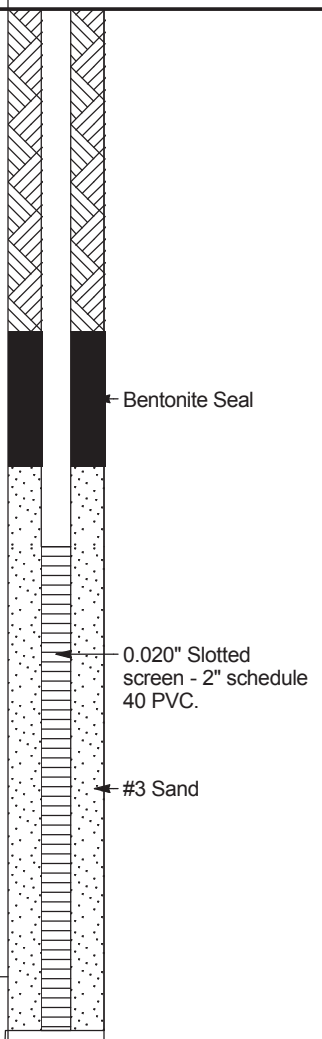
WELL NUMBER MW-6C

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
25		21				**Sandy Clay (CL)**; brown; 60-70% medium plasticity fines; 30-40% fine- to coarse-grain sand; no odor.
						Clay (CL); brown and grey; 80-90% medium to high plasticity fines; 10-20% fine- to coarse-grain sand; trace fine gravel to 1/2"; stiff.
				CL		**Sandy Clay (CL)**; grey and black; 70-80% low to medium plasticity fines; 20-30% fine- to coarse-grain sand; trace gravel to 1/2"; soft; moist.
30		33				**Clay (CL)**; brown and grey; 80-90% medium to high plasticity fines; 10-20% fine- to coarse-grain sand; stiff.
						Sandy Clay (CL); grey and black; 70-80% low to medium plasticity fines; 20-30% fine- to coarse-grain sand; soft; wet.
35		29				**Clay (CL)**; brown and grey; 80-90% medium to high plasticity fines; 10-20% fine- to coarse-grain sand; trace fine gravel to 1/2"; stiff.
				CL		
40		0				**Sandy Clay (CL)**; grey and black; 70-80% low to medium plasticity fines; 20-30% fine- to coarse-grain sand; soft; moist.
						@40' Wet
						Clay (CL); brown and grey; 80-90% medium to high plasticity fines; 10-20% fine- to coarse-grain sand; stiff.
					43.0	
		0		SC	44.0	**Clayey Sand (SC)**; brown; 60-70% fine- to medium-grain sand; 30-40% medium plasticity fines; trace fine gravel; moist; no odor.
						(*Pilot boring continously cored to 44' bgs.*)
						Bottom of hole at 44.0 feet.

WELL DIAGRAM



Pangea Environmental Services, Inc.
1710 Franklin Street Suite 200
Oakland, CA 94612

WELL NUMBER DPE-1

CLIENT Hadjian **PROJECT NAME** Hadjian - Dublin

PROJECT NUMBER 1001.001 **PROJECT LOCATION** 7240 Dublin Blvd

DATE STARTED 7/15/09 **COMPLETED** 7/15/09 **GROUND ELEVATION** _____ **HOLE SIZE** 10"

DRILLING CONTRACTOR ECA **GROUND WATER LEVELS:**

DRILLING METHOD Hollow Stem Auger - 10" **AT TIME OF DRILLING** ---

LOGGED BY Morgan Gillies **CHECKED BY** Bob Clark-Riddell **AT END OF DRILLING** ---

NOTES Hand Auger to 5'; logged from cuttings. **AFTER DRILLING** ---

DEPTH (ft bgs)	SAMPLE TYPE NUMBER	PID (ppm)	BLOW COUNTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						0.5 **Topsoil.**	Concrete
				CL		**Clay with Sand (CL)**; black; 80-90% medium to high plasticity fines; 10-20% fine- to coarse-grain sand stringers.	Portland Cement
5							Bentonite Seal
							#2/12 Sand
10						@10' Hydrocarbon odor.	0.010" Slotted 4" SCH 40 PVC
15						15.0 Bottom of hole at 15.0 feet.	Slough

APPENDIX B

Groundwater Gradient Evaluation Table

RO304 Groundwater Gradient Evaluation

	Well Caps Removed	Upper Shallow Wells (AA-Zone)						Shallow Wells (A-Zone)										
Monitoring Event	one day before	DPE-1	DPE-2	MW-7AA	VW-1	VW-2	VW-3	MW-1	MW-2	MW-3A	MW-4	MW-5	MW-6A	MW-7A	MW-8A	MW-9A	MW-10A	
4/24/2014		x	x	x				x	x	x	x		x	x	x	x	x	north of site S & SW; onsite E
12/31/2013		x	x	x				x	x		x		x	x	x	x	x	north of site S; onsite E
2/26/2013		x	x	x				x	x		x		x	x	x	x	x	north of site SE; onsite E
08/25/12		x	x	x				x	x	x	x		x		x	x	x	east to northeast
02/15/12		x	x	x				x	x	x	x		x	x	x	x		north of site SE; onsite NW
08/03/11		x	x	x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW & S
02/21/11		x	x					x	x	x	x		x		x	x		SE
11/30/10		x	x	x				x	x	x	x		x	x		x	x	north of site SE; onsite SW
08/12/10	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW
06/04/10	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW
02/11/10	X			x				x	x	x	x		x		x	x	x	north of site SE; onsite NW
11/24/09	X			x				x	x	x	x		x	x	x	x	x	noth of site SE; onsite NW
08/13/09	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW
05/28/09	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW
02/06/09				x				x	x	x	x		x	x	x	x	x	north of site SE; onsite W
11/13/08	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW
08/13/08	X			x				x	x	x	x		x	x	x	x	x	north of site E; onsite NW
05/21/08	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW
02/26/08	X			x				x	x	x	x		x	x	x	x	x	north of site S to SW; onsite NW
12/21/07	X																	
8/28/2007	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW
5/15/2007	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite NW
2/21/2007	X			x				x	x	x	x		x	x	x	x	x	north of site SE; onsite S (?)
11/24/2006				x				x	x	x	x		x	x	x	x	x	north of site SE; onsite N & NW
8/17/2006				x				x	x	x	x		x	x	x	x	x	north of site S; onsite NE & SW
7/7/2006				x				x	x	x	x		x	x	x	x	x	north of site S to SE; onsite S
2/21/2006								x	x		x	x						north of site S to SE; onsite SE
11/27/2005								x	x		x	x						north of site E to SE; onsite SW
5/17/2005								x	x		x	x						north of site E; onsite W
2/21/2005								x	x		x	x						north of site E to SE; onsite W
12/15/2004								x	x		x	x						north of site E to SE; onsite uses EA wells

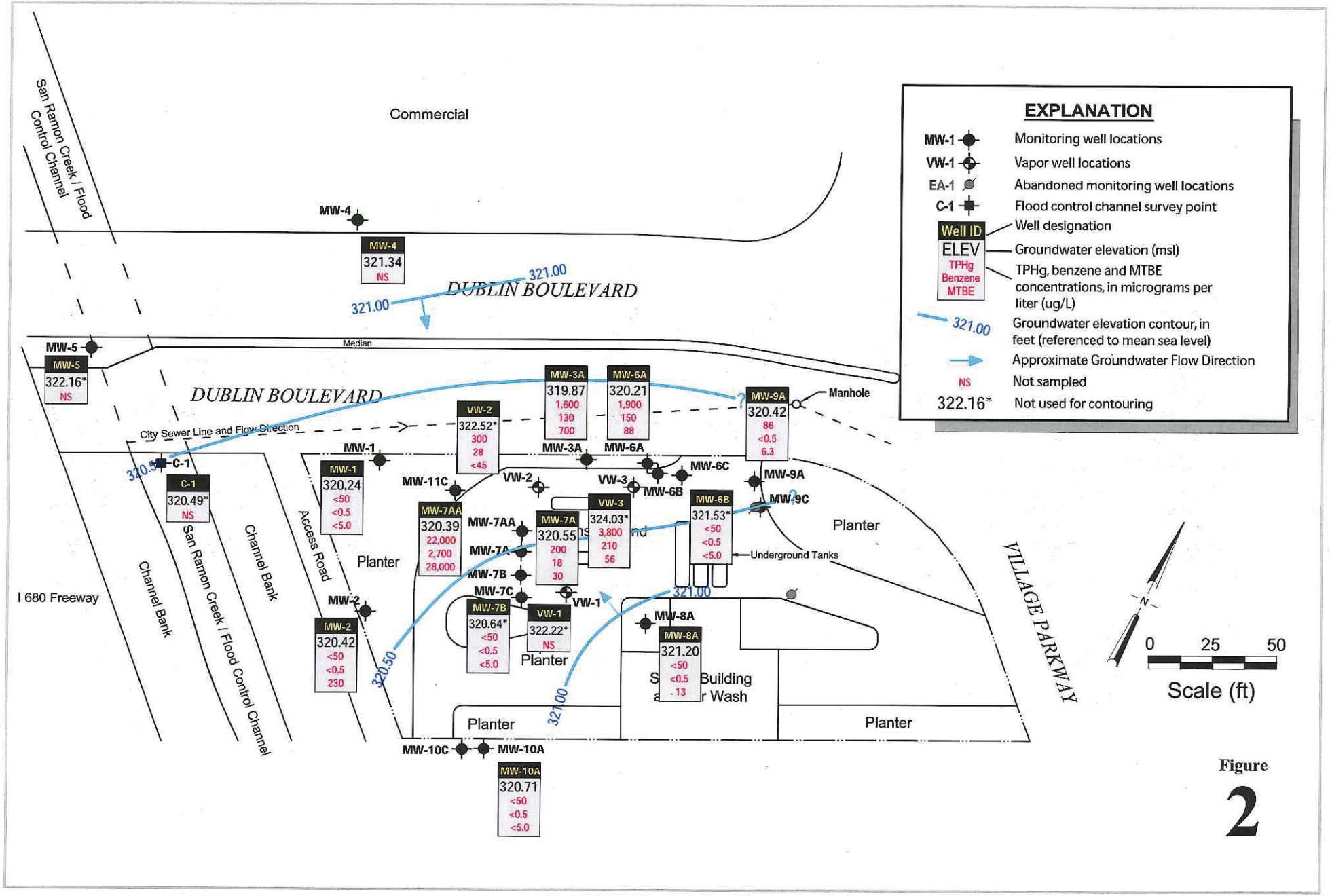
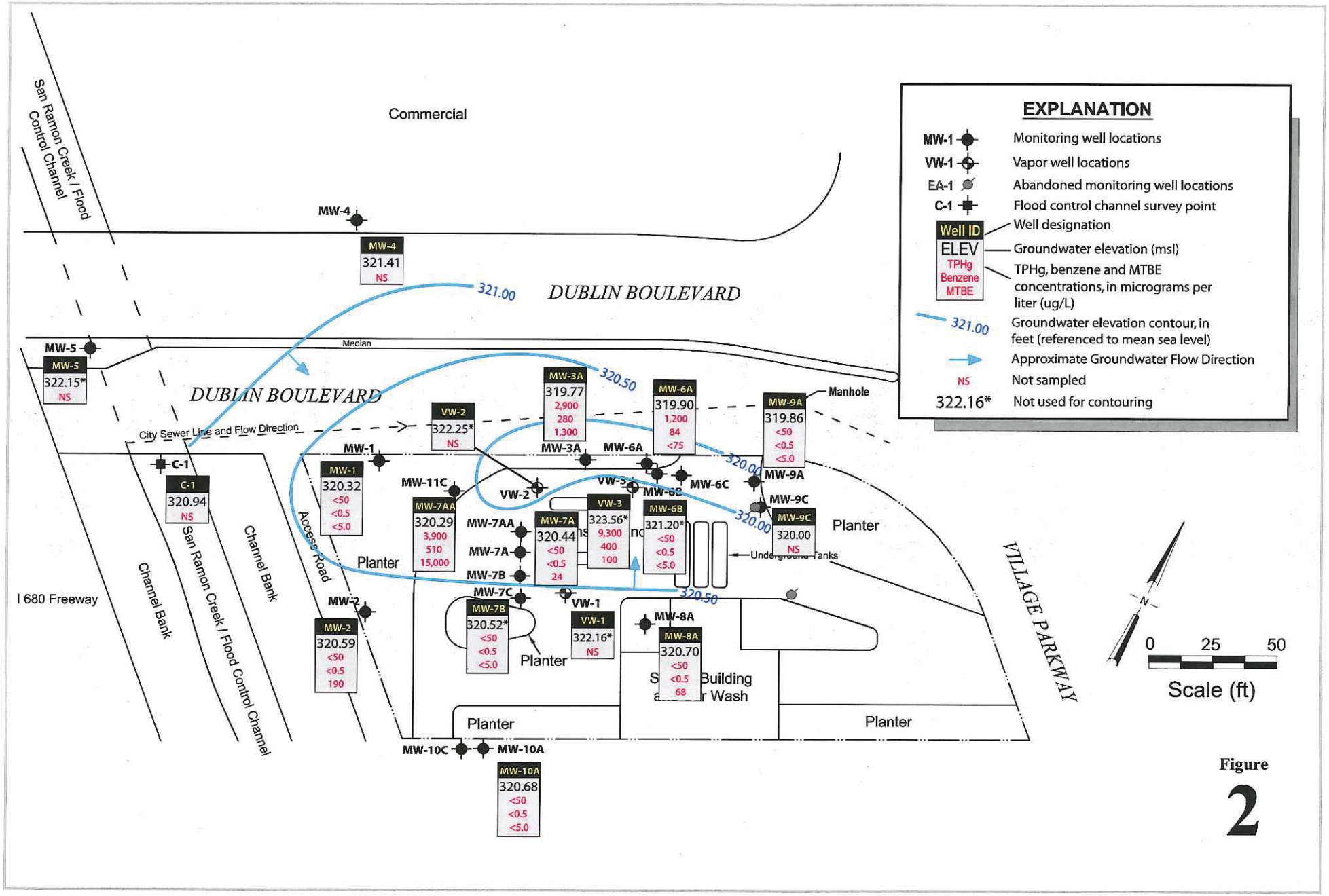


Figure 2

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Groundwater Elevation Contour and Hydrocarbon Concentration Map
May 21, 2008



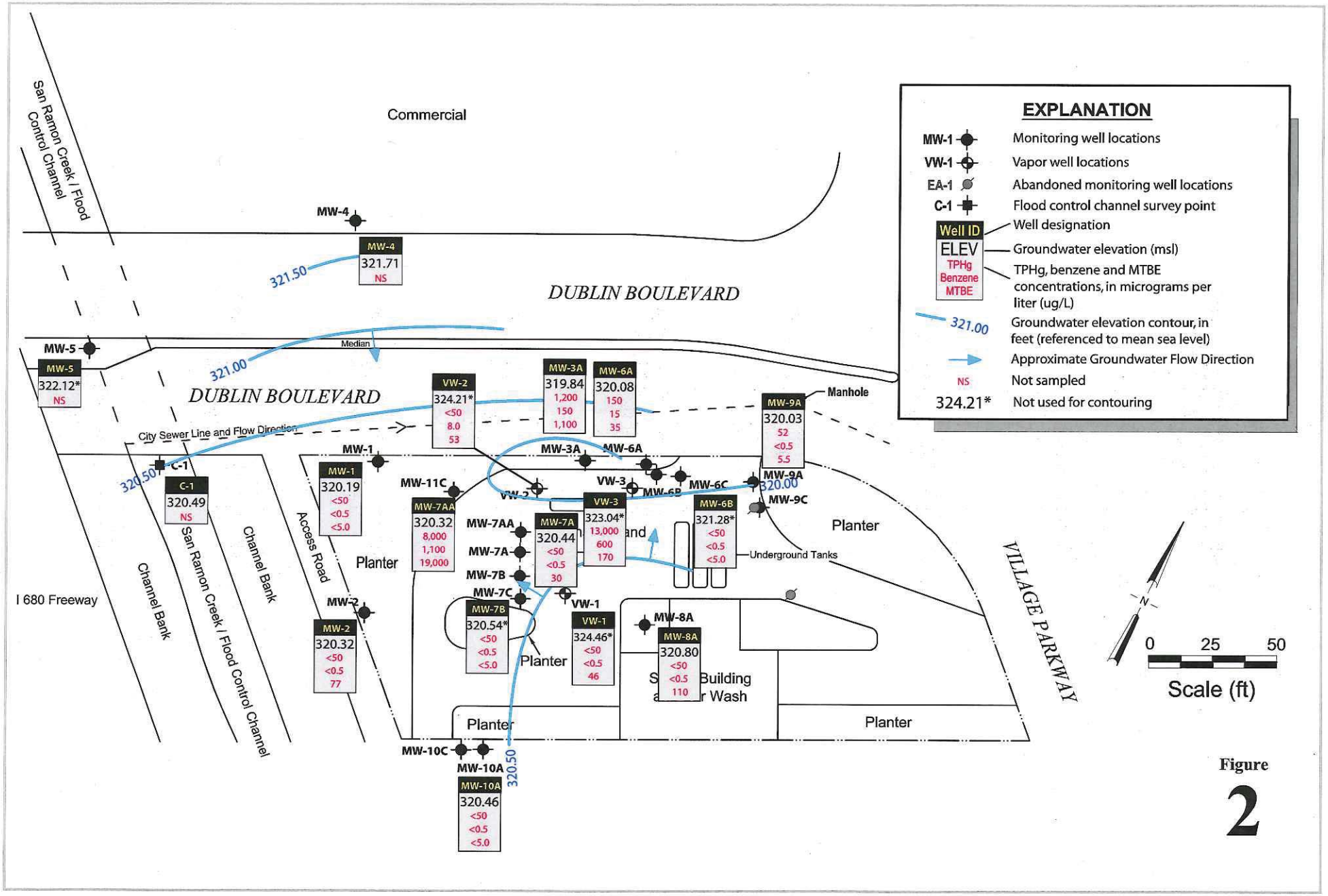
Figure

2

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Groundwater Elevation Contour and Hydrocarbon Concentration Map
August 13, 2008



Figure

2

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Groundwater Elevation Contour and Hydrocarbon Concentration Map
November 13, 2008

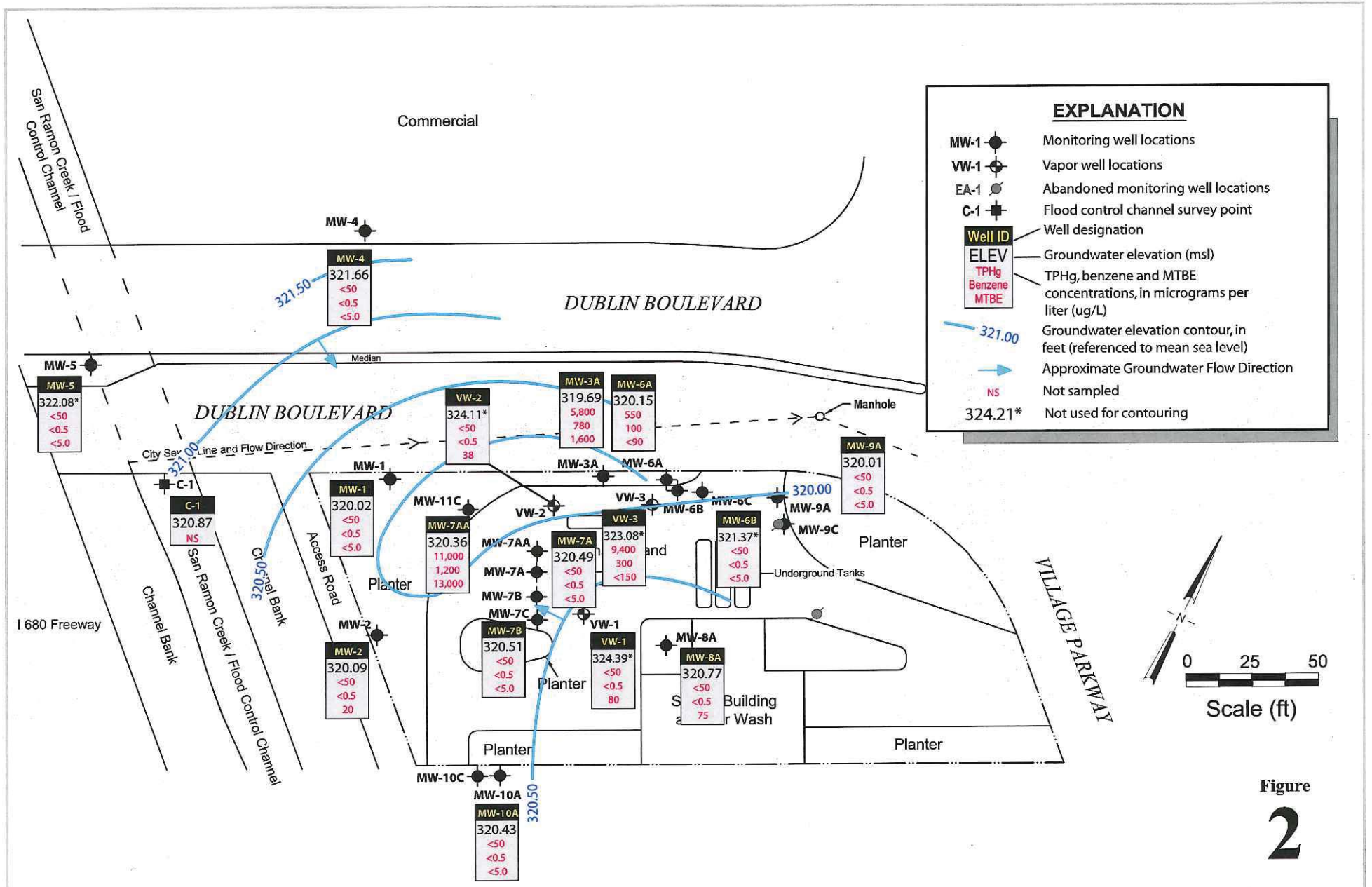


Figure 2

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Groundwater Elevation Contour and Hydrocarbon Concentration Map
February 6, 2009

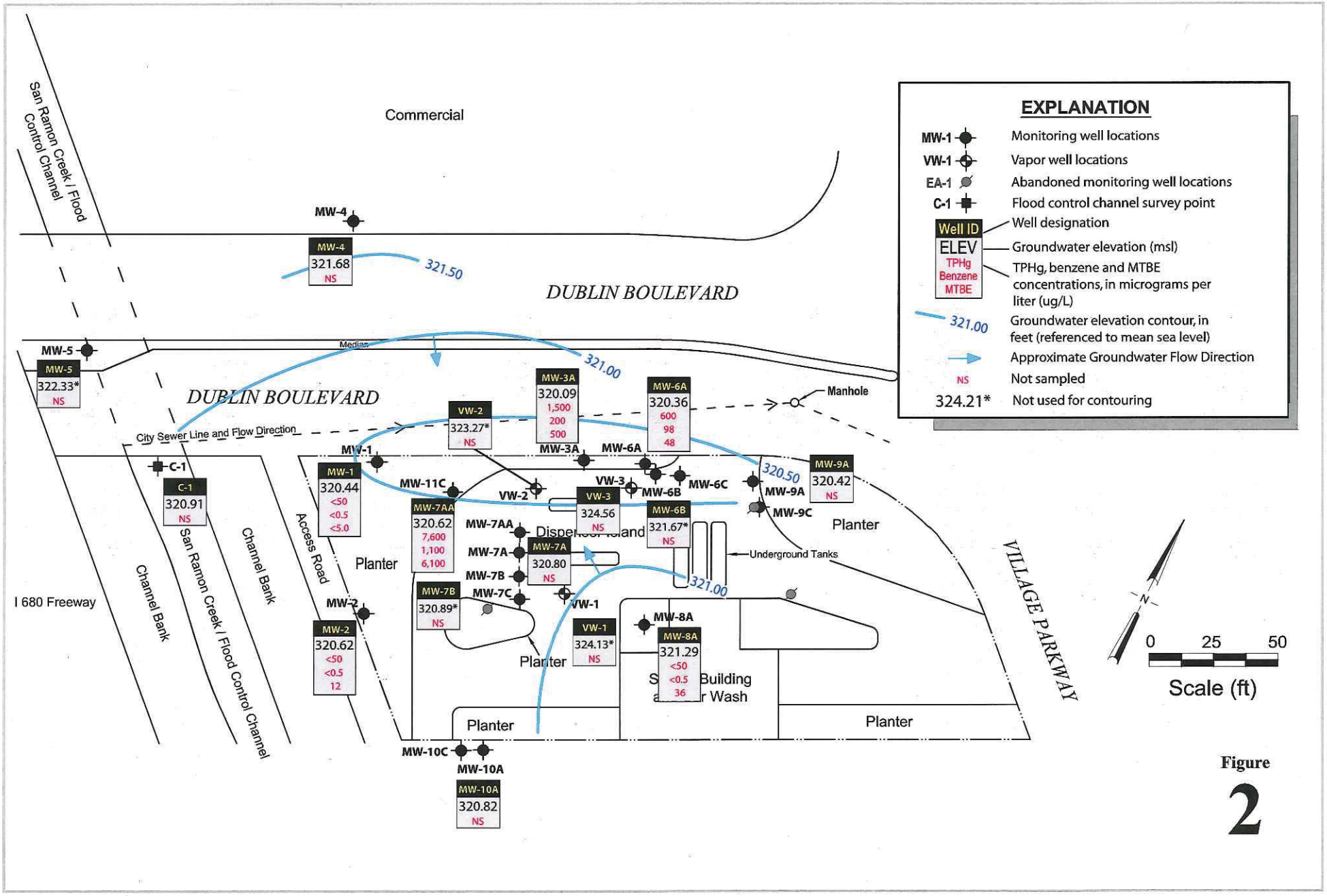


Figure 2

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Groundwater Elevation Contour and Hydrocarbon Concentration Map
May 28, 2009

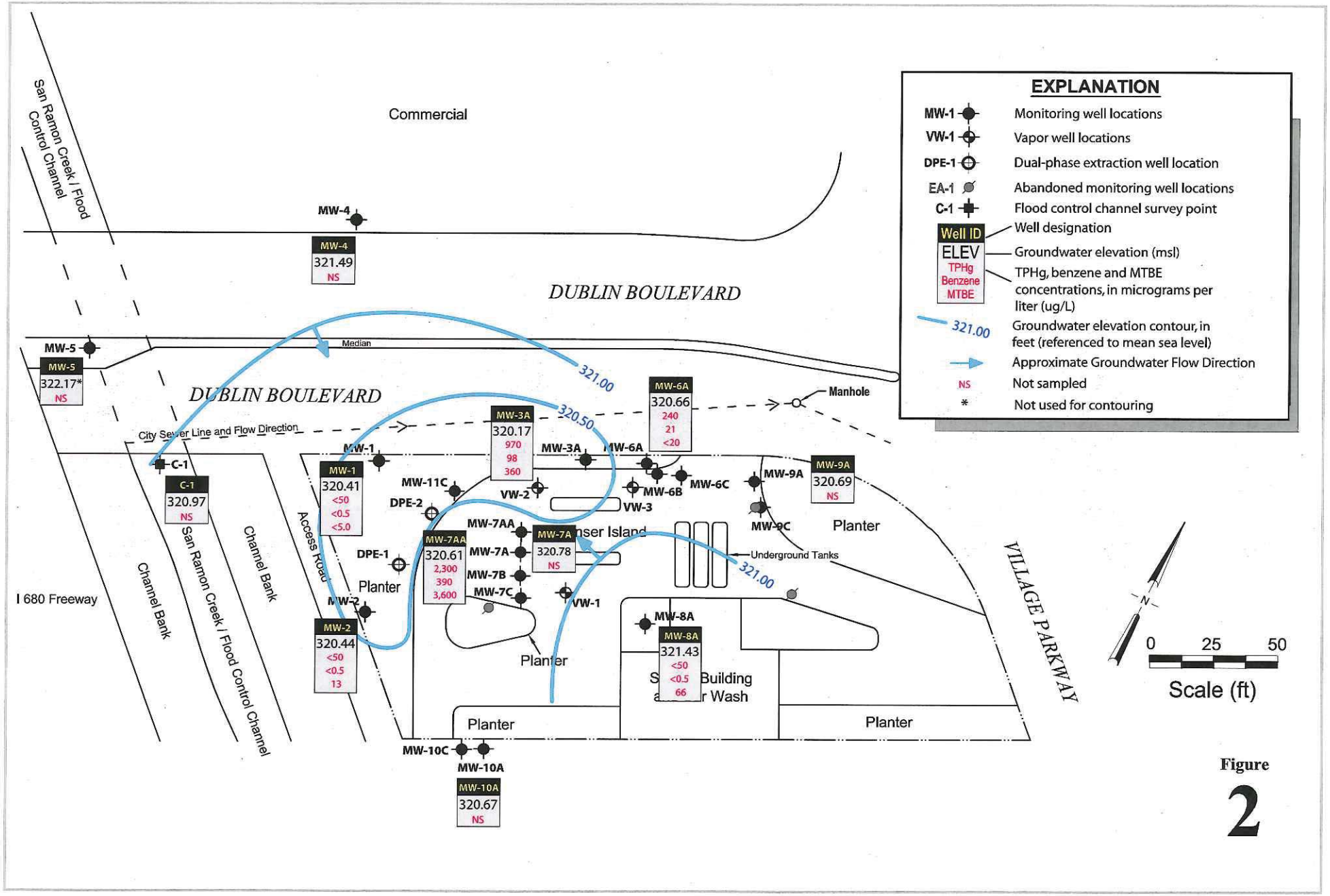


Figure 2

Dublin Auto Wash
7240 Dublin Boulevard
Dublin, California

PANGEA

Groundwater Elevation Contour and Hydrocarbon Concentration Map
November 24, 2009

APPENDIX C

Utility Location Map


Interstate 680
Lewis Ave.
Village Pkwy.
Portage Rd.
Allegheny Dr.
Pitt Ct.
Maple Dr.
Ebensburg Ln.
Sage Ct.
Cedar Ct.
Elk Ct.
Pike Ct.
Pine Ct.
Hemlock St.
Clark Ave.
Dublin Blvd.
Amador Plaza Rd.