

May 5, 2008

Ms. Eileen Chen
Alameda County Water District
43885 South Grimmer Boulevard
Fremont, CA 94537-5110

RECEIVED

4:14 pm, Jun 05, 2009

Alameda County
Environmental Health

Re: Sensitive Receptor Survey
76 Station No. 5487
28250 Hesperian Blvd
Hayward, California



Dear Ms. Chen:

This report has been prepared by Delta Consultants (Delta) on behalf of ConocoPhillips Company (ConocoPhillips). The sensitive receptor survey was completed to identify all water supply wells within a one-mile radius of the site and sensitive receptors within 1,000 feet from the site referenced above (Figure 1).

METHODS

The survey entailed a request to the California Department of Water Resources (DWR) office in Sacramento to provide well log records and a site visit to identify any sensitive receptors within the survey area.

FINDINGS

Water Well Survey: DWR well log records were reviewed in order to determine the location of any water-supply wells in the vicinity of the subject site. Using the DWR well logs, a total of 16 wells had verifiable addresses within a one-mile radius of the site. Water supply wells located within the survey area are shown on Figure 2. Historically the groundwater flow direction at the site has been towards the southwest. Historical groundwater flow directions are shown on Figure 3. The closest down-gradient water supply well is a domestic well located approximately 0.09 miles southwest of the site. This is also the closest well in general. The data for wells within the survey area are presented in Table 1.

a member of:



Other wells located in the vicinity of the site include monitoring wells, industrial wells and water supply wells whose associated DWR logs contained inadequate information to establish their precise location, or their location was outside of the one-mile radius search area.

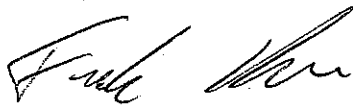
Drinking water in the area is provided by the City of Hayward Municipal Water System, which obtains its water from the Hetch Hetchy reservoir.

Sensitive Receptor Survey: A field survey was completed to identify any sensitive receptors within a 1,000 foot survey area. Two schools and one religious center were located within the survey area. Leadership Public School is located at 28000 Calaroga Ave, which is 1,400 feet northeast (up-gradient) of the site. A Buddhist center is located at 27878 Calaroga Ave, which is 1,700 feet northeast (up-gradient) of the site. Mount Eden High School is located at 2300 Panama St. The property begins 260 feet north (up- to cross-gradient) of the site.

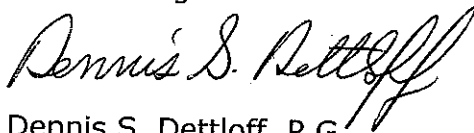
Bodies of Water: No bodies of water were identified within 1000 feet of the site. The San Francisco Bay is located 3.2 miles west of the site.

Please call Dennis Dettloff at (916) 503-1261 if you have any questions regarding the contents of this report.

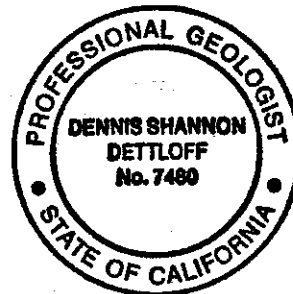
Sincerely,
DELTA CONSULTANTS



Frank Klein
Staff Geologist



Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480



cc: Mr. Ted Moise - ConocoPhillips (electronic copy)

Figures:

Figure 1	Site Locator Map
Figure 2	Water Supply Well Location Map
Figure 3	Historical Groundwater Flow Directions

Table:

Table 1	Water Supply Well Data
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Figures

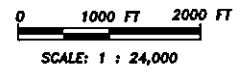
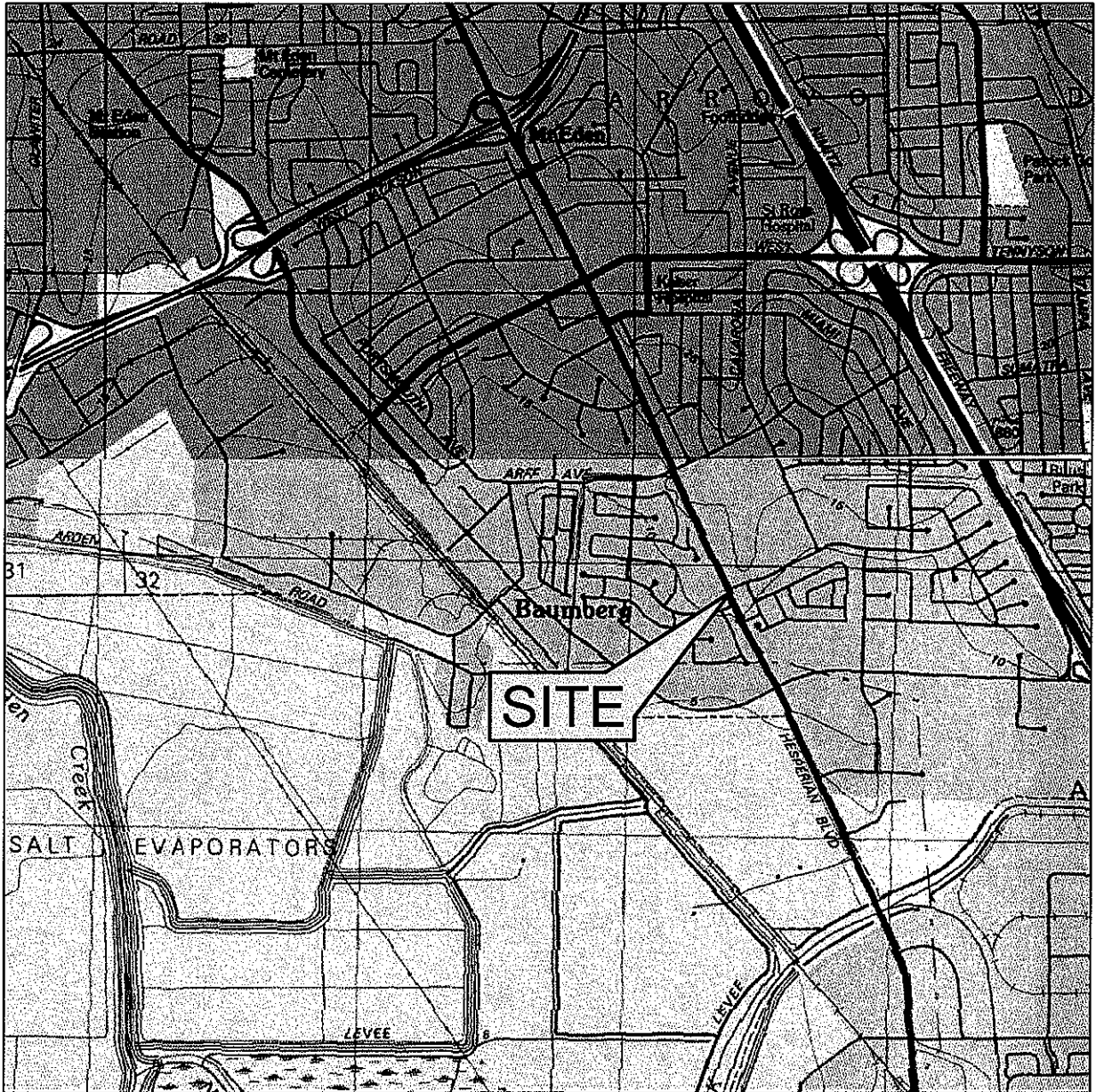


FIGURE 1

SITE LOCATION MAP

76 SERVICE STATION NO. 5487
 28250 HESPERIAN BLVD
 HAYWARD, CALIFORNIA

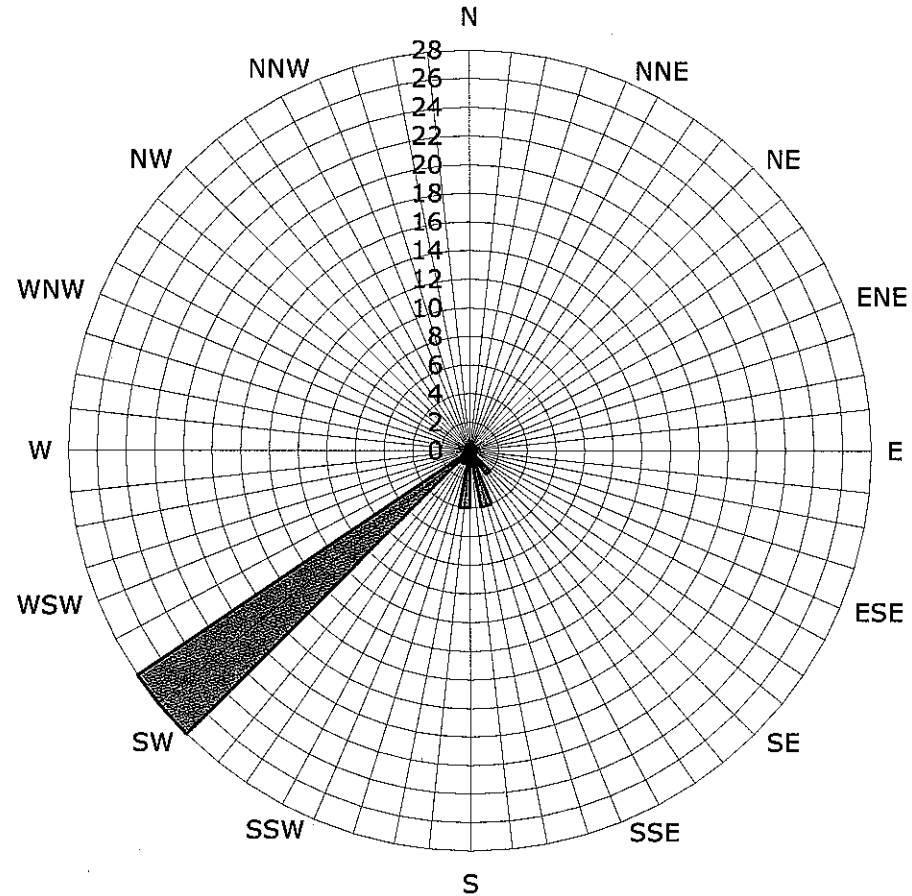
PROJECT NO. C205-487	DRAWN BY JH 04/13/07
FILE NO. Site Locator	PREPARED BY MC
REVISION NO. 1	REVIEWED BY



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, HAYWARD and NEWARK QUADRANGLES, 1967



Historic Groundwater Flow Directions
ConocoPhillips Site No. 5487
28250 Hesperian Boulevard
Hayward, California



Legend
Concentric circles
represent quarterly
monitoring events
Third Quarter 1989
through First Quarter
2008
39 data points shown

■ Groundwater Flow Direction

Table

Table 1
Water-Supply Well Data
76 Service Station No. 5487
28250 Hesperian Blvd
Hayward, California
April, 2008

Map #	Address	City	Owner	Use	Well Depth feet	Screened Interval feet	Distance from Site mile	Direction from Site	Source
1	2764 Havana Ave	Hayward, CA	B. LaFountain	I	27	17-27	0.90	NE	DWR
2	28027 Dickens Ave	Hayward, CA	Russ Elementary Sch	I	104	44-92	1.00	NE	DWR
3	29625 Baumberg Ave	Hayward, CA	E. R. Lamanerye	D	50	20-50	0.58	W	DWR
4	27201 Conant Ct	Hayward, CA	B. Featheringill	I	38	23-38	0.97	N	DWR
5	27760 Coronado St	Hayward, CA	N. Lontoc	I	30	0-10	0.44	N	DWR
6	2473 Cabrillo Dr	Hayward, CA	J. Alves	I	22	10-22	0.28	NW	DWR
7	2204 Catalpa Way	Hayward, CA	C. Watts	D	23	10-23	0.21	NE	DWR
8	1961 Catalpa Way	Hayward, CA	H. Orluck	D	25	UN	0.36	E	DWR
9	1858 Elder Court	Hayward, CA	B. Stapfanson	I	30	10-30	0.45	E	DWR
10	27936 Bunting St	Hayward, CA	C. Hallert	I	30	15-30	0.38	NE	DWR
11	1755 Bobolink Ct	Hayward, CA	D. Cowden	I	24	11-24	0.65	E	DWR
12	1748 Egret Ct	Hayward, CA	D. Ensley	I	20	10-20	0.63	E	DWR
13	1802 Egret Ln	Hayward, CA	G. Bauer	I	50	20-50	0.59	E	DWR
14	27915 Hesperian Blvd	Hayward, CA	J. Grimshaw	D	55	35-55	0.31	NW	DWR
15	28302 Capitola St	Hayward, CA	F. Nutters	I	30	5-18	0.09	SW	DWR
16	Hesperian and Industrial	Hayward, CA	City of Hayward	D	555	358-555	0.23	SE	DWR

Explanation

D = Domestic	E = East	S = South
I = Irrigation	NE = Northeast	W = West
N = North	SW = Southwest	UN = Unknown
NW = Northwest	SE = Southeast	DWR = Department of Water Resources

Note: These well locations have not been verified in the field