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**Alameda County
Environmental Health**



76 Broadway
Sacramento, California 95818

February 8, 2007

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal
Sensitive Receptor Survey Report
76 Service Station #0746
3943 Broadway
Oakland, CA**

Dear Mr. Hwang:

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

If you have any questions or need additional information, please contact me at (916) 558-7604.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric G. Hetrick". The signature is stylized and somewhat cursive.

Eric G. Hetrick



1590 Solano Way
#A
Concord, CA 94520

925.688.1200 PHONE
925.688.0388 FAX

www.TRCSolutions.com

February 8, 2007

TRC Project No. 42016313

Mr. Don Hwang
Hazardous Materials Specialist
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

RE: SENSITIVE RECEPTOR SURVEY
76 SERVICE STATION # 0746
3943 BROADWAY
OAKLAND, CALIFORNIA

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC has prepared this sensitive receptor survey report for 76 Service Station # 0746, located at 3943 Broadway (Site) in Oakland, California (Figure 1).

SCOPE OF WORK

To identify public and municipal wells within one-half mile of the subject site, TRC contacted the California Department of Water Resources (DWR) to obtain copies of well completion reports for any wells located in the Site vicinity. The results, excluding destroyed water supply wells and groundwater monitoring and extraction wells, are summarized in Table 1 and shown on Figure 1.

Also included in the survey was an evaluation of nearby surface water bodies as possible sensitive receptors. TRC accomplished this by observing various site and vicinity maps. Figure 1 shows the nearby surface water bodies located within a one-half mile radius of the Site.

SENSITIVE RECEPTOR SURVEY

A request was made to the DWR for well completion reports within the vicinity of the site. Of the well completion reports reviewed, three water supply wells were located within a one-half mile radius of the Site.

Two of the wells are located approximately 1,330 feet east and 1,450 feet north of the Site. These wells are listed as irrigation wells in the DWR well completion reports. The third well is a domestic well according to the DWR well completion report, and it is located approximately 2,070 feet northwest of the Site. The available construction details for these wells are provided in Table 1.

Sensitive Receptor Survey

76 Service Station # 0746

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The only surface water body within the vicinity of the site is Glen Echo Creek, located approximately 1,630 feet southeast of the Site.

Groundwater at the Site is encountered at approximate depths of 6 to 13 feet below grade and flows to the west at an average hydraulic gradient of 0.05 feet per foot (Semi-Annual Monitoring Report dated January 12, 2007). However, historical groundwater flow has been predominantly to the southwest.

CONCLUSIONS

None of the three wells is located within the path of the local groundwater flow and are therefore not considered potential sensitive receptors.

Glen Echo Creek is also not located within the path of local groundwater flow and is therefore not considered a potential sensitive receptor.

No other current or potential sensitive receptors were identified within a one-half mile radius of the Site.

If you have any questions or concerns regarding this information, please contact either of the undersigned at 925-688-1200.

Sincerely,


Monika Krupa
Staff Scientist

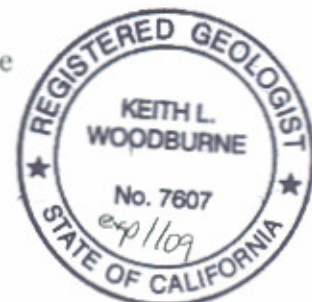

Keith Woodburne, P.G.
Senior Project Manager

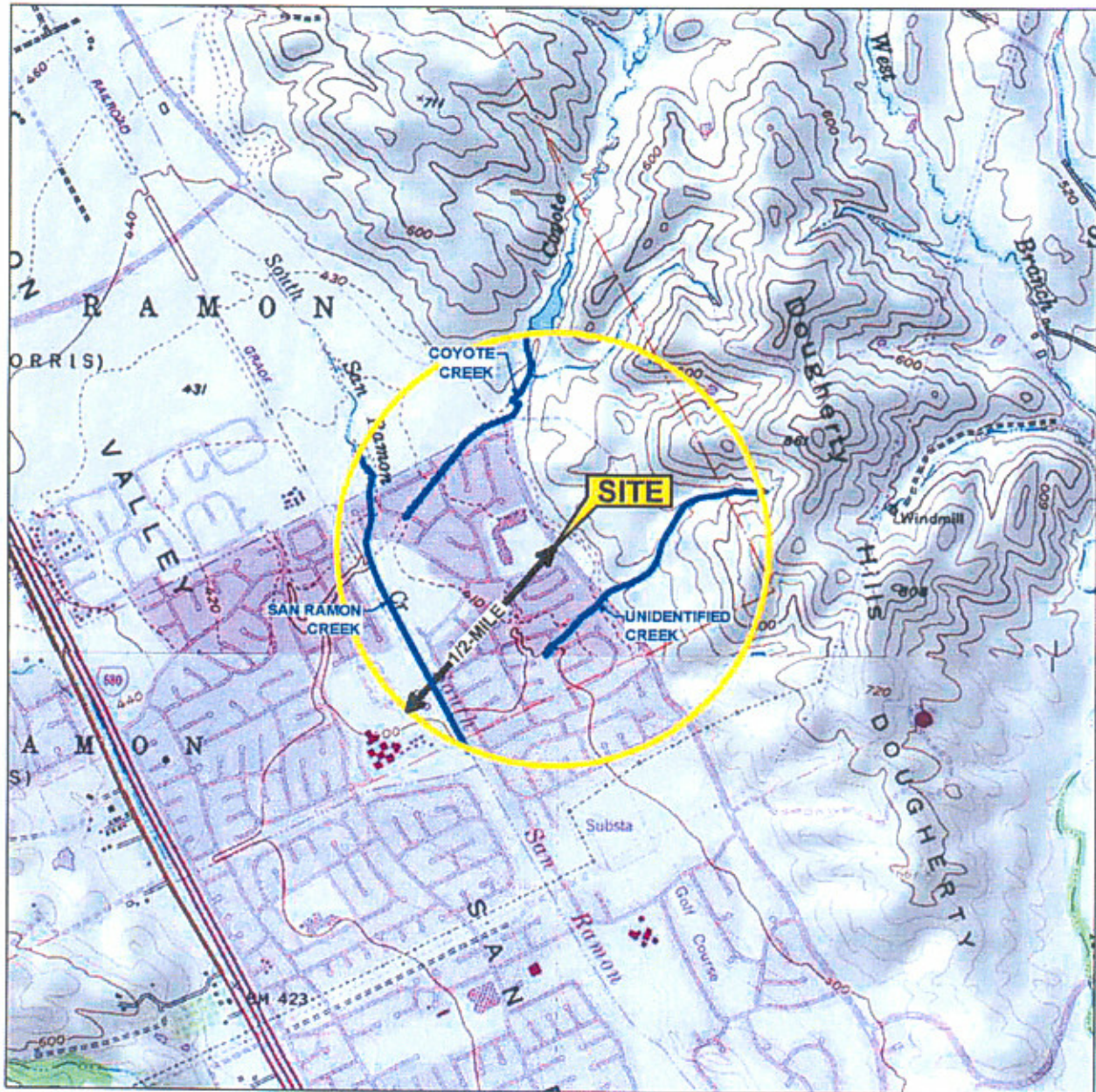
Attachments:

Figure 1 - Sensitive Receptors Within One-Half Mile Radius of Site

Table 1 - Summary of Well Information

cc: Eric Hetrick, ConocoPhillips (electronic upload only)





SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
Diablo and Dublin Quadrangles,
California



**SENSITIVE RECEPTORS WITHIN
ONE-HALF MILE RADIUS OF SITE**

76 Service Station #6578
12105 Alcosta Boulevard
San Ramon, California



FIGURE 1

TABLE 1
SUMMARY OF WELL INFORMATION

76 Service Station # 0746
3943 Broadway
Oakland, California

TRC Well ID Number	Owner	Well Use	Well Total Depth (ft)	Screened Interval (ft)	Depth to Water (ft)	Date Installed	Approximate Distance From Site (ft)	Direction from Site
1	John Bond	Irrigation	198	132-189	21	7/29/1979	1,330	E
2	Ladies Relief Society	Irrigation	65	NA	9	NA	1,450	N
3	Robert Westwood	Domestic	NA	NA	NA	Sep-77	2,070	NW

Notes: NA = Not Available