

  
76 Broadway  
Sacramento, California 95818

**RECEIVED**

1:47 pm, Nov 03, 2008

Alameda County  
Environmental Health

February 24, 2006

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

Re: **Transmittal**  
**Sensitive Receptor Survey**  
**76 Service Station #3135**  
**845 66<sup>th</sup> Avenue**  
**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

Shelby S. Lathrop (Contractor)  
ConocoPhillips  
Risk Management & Remediation  
76 Broadway  
Sacramento, CA 95818  
Phone: 916-558-7609  
Fax: 916-558-7639

Sincerely,



Thomas Kosel  
Risk Management & Remediation

Attachment



February 24, 2006

TRC Project No. 42013809

Mr. Don Hwang  
Alameda County Health Services  
1131 Harbor Bay Parkway  
Alameda, CA. 94502-6577

RE: SENSITIVE RECEPTOR SURVEY  
76 SERVICE STATION # 3135  
845 66<sup>TH</sup> AVE., OAKLAND, CALIFORNIA

Dear Mr. Hwang:

On behalf of ConocoPhillips, TRC has prepared this sensitive receptor survey report for 76 Service Station # 3135, located at 845 66<sup>th</sup> Ave. (Site) in Oakland, California (Figure 1).

#### **SCOPE OF WORK**

To identify domestic and municipal wells within one-half mile of the subject site, TRC contacted the Department of Water Resources to review copies of well completion reports from nearby wells. The results, excluding destroyed water supply wells and groundwater monitoring and extraction wells, are summarized in 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, if any.

#### **SENSITIVE RECEPTOR SURVEY**

A request was made to the California Department of Water Resources (DWR) for well completion reports within the vicinity of the site. Of the well completion reports reviewed, no water supply wells were located within a one-half mile radius of the Site.

Surface water bodies within a one-half mile of the Site include Damon Slough and Lion Creek, located approximately 775 feet south and 525 feet southeast of the Site, respectively.

Groundwater at the site is found at an average depth of 6.58 feet below grade and flows in a northern direction at a hydraulic gradient of 0.005 feet per foot (Semi-Annual Monitoring Report dated October 26, 2005). However, historical groundwater flow directions have varied from northeast, northwest, southwest and southeast.

**Sensitive Receptor Survey**

76 Service Station # 3135

February 24, 2006

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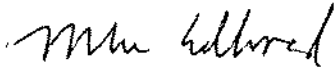
**CONCLUSIONS**

No water supply wells were identified within a one-half mile radius of the Site.

Due to the close proximity of Damon Slough and Lion Creek to the Site and historical groundwater flow directions, both surface water bodies may be considered potential sensitive receptors.

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

Sincerely,  
**TRC**



Mike Sellwood  
Staff Geologist

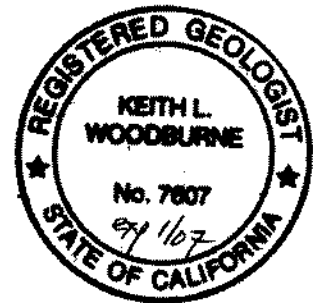


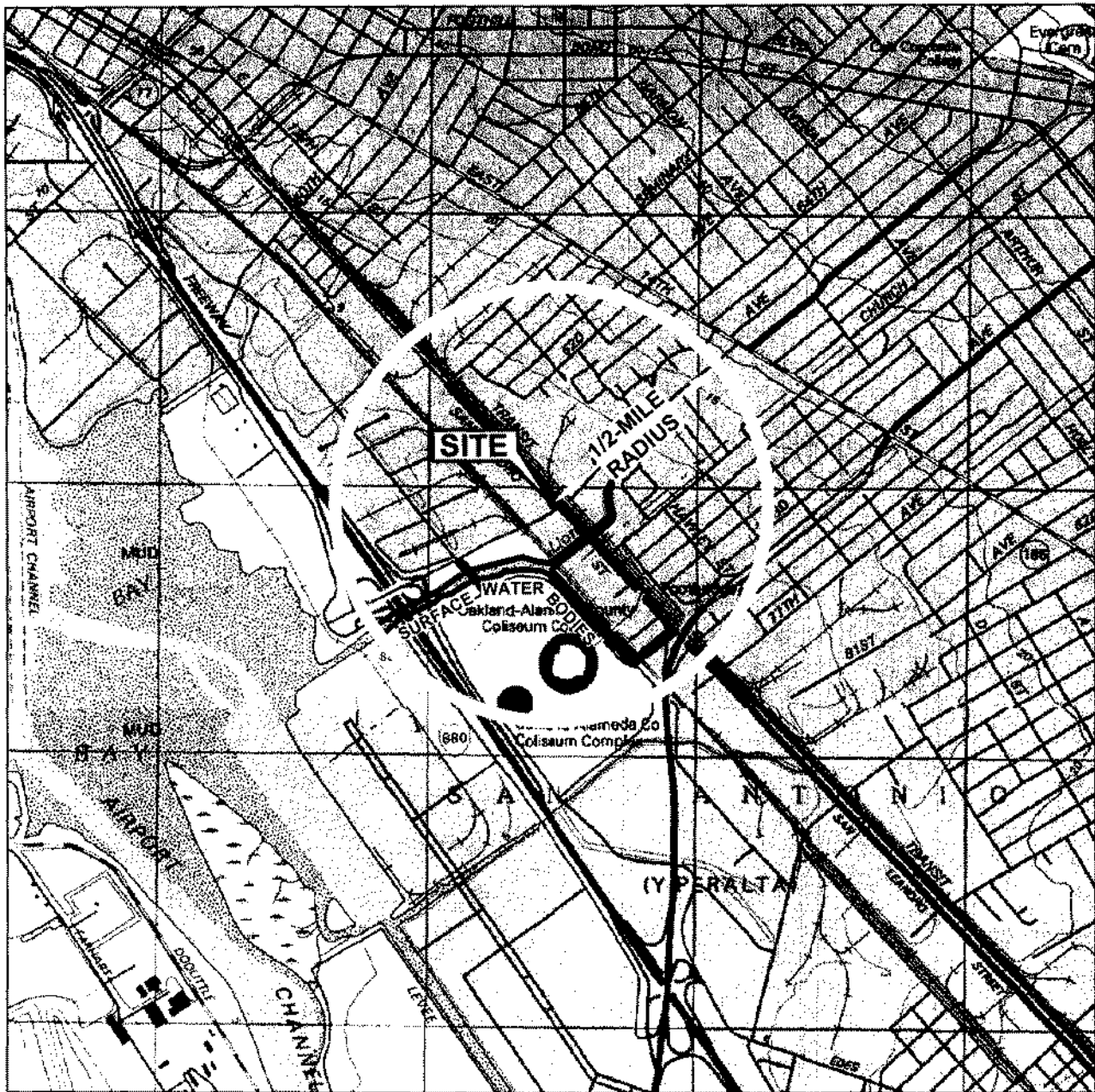
Keith Woodburne, P.G.  
Senior Project Geologist

**Attachments:**

Figure 1 – Sensitive receptors within one-half mile radius of Site

cc: Shelby Lathrop, ConocoPhillips (electronic upload only)





1 MILE 3/4 1/2 1/4 0 1 MILE

SCALE 1 : 24,000



SOURCE:

United States Geological Survey  
7.5 Minute Topographic Maps:  
Oakland East and San Leandro  
Quadrangles  
California



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

76 Service Station #3135  
845 66th Avenue  
Oakland, California

**TRC**

**FIGURE 1**