



January 24, 1997

Mr. Verl Dolsby  
HC 69, Box 42  
7 Rapid River Road  
Riggins, ID - 83549-9702

Re: Groundwater Sampling  
124 Hegenberger Loop  
Oakland, California

Dear Mr. Dolsby:

The purpose of this letter-report is to discuss the results of the groundwater well monitoring activities performed at the referenced site on January 9, 1997.

Sequoia Environmental gauged the down-gradient monitoring well (MW-1, shown in the attached site plan) with an interphase probe. Prior to gauging, the interphase probe was washed in a non-phosphate solution and double rinsed in water and distilled water. The depth to groundwater was measured to be 4.10 feet from ground surface. The well was purged with a disposable bailer. Approximately 6 gallons of well water were purged from the well. The depth to ground water after purging was measured to be 8.40 feet from ground surface. The well water was inspected for any physical characteristics. The water was clear and had no odor. The depth to the bottom of the well was determined with an interphase probe to be approximately 15 feet from the ground surface.

After purging, the monitoring well was allowed to recharge. The depth to water after recharge was measured to be 4.20 feet from the ground surface. Using a new disposable bailer, one groundwater sample was collected and put into three 500 milligrams (ml) plastic bottles. The bottles were labeled MW-1. The water sample used for total chromium analysis was preserved with nitric acid. The three sample bottles were sent to state-certified McCampbell Analytical in Pacheco, California, for chemical analyses.

The groundwater samples were analyzed for pH, dissolved chromium and total chromium using EPA Methods 150.1 and 6010 respectively. Laboratory results indicated that the pH of the water samples was 6.97, dissolved chromium was non-detect and total chromium was 0.018 ppm. Detailed laboratory results and chain of custody form are attached.

On the basis of field observations and analytical results, the down-gradient monitoring well (MW-1) has no detectable level of dissolved chromium and the pH of the groundwater is close to neutral. We recommend no further action at this site.

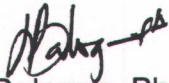
If you have any question or need additional information, please contact us at (510) 614-1900.

Sincerely,

Sequoia Environmental

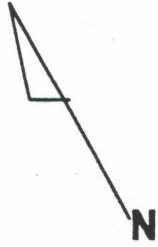


Chris 'Wabuzoh  
Senior Geologist  
REA #02842

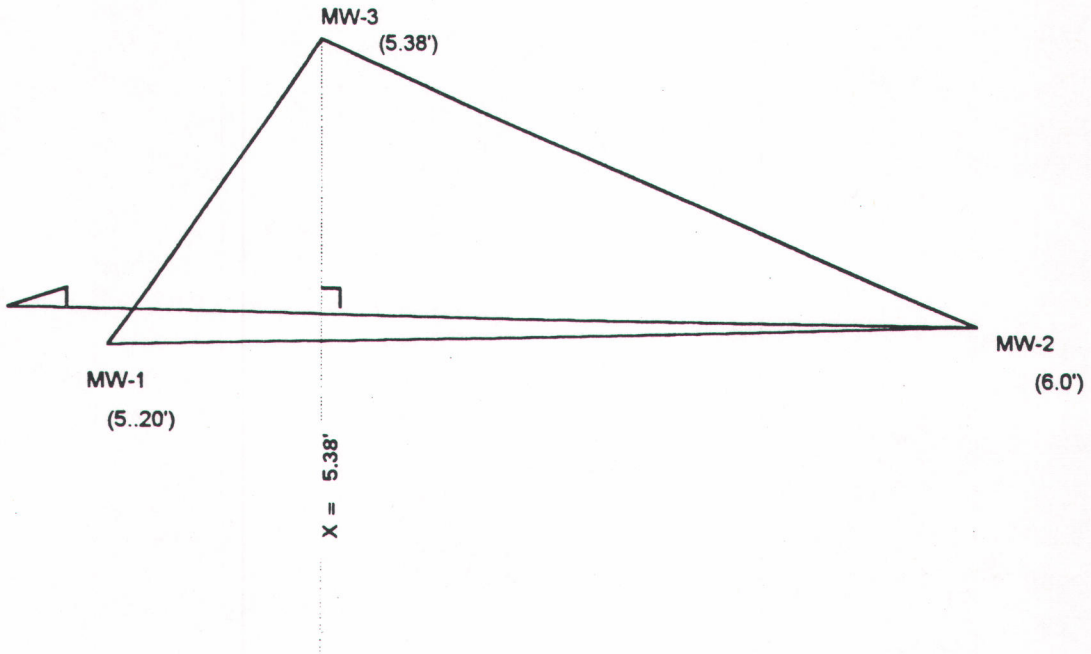


Ola Balogun, Ph.D. PE





DIRECTION OF GROUNDWATER MOVEMENT



**FIGURE 2**

**MAP TYPE:** SITE PLAN (DIRECTION OF GROUNDWATER MOVEMENT)

**SITE ADDRESS:** DOLSBY INC., 124 HEGENBURGER LOOP, OAKLAND, CALIFORNIA

**DATE:** MARCH 21, 1995

**PROJECT CODE:** SE-043/DOBY-01

**SCALE:** 1' : 30'

**SEQUOIA ENVIRONMENTAL CONSULTING SERVICES** (510) 614 - 1900  
SAN LEANDRO, CA





## QC REPORT FOR ICP and/or AA METALS

Date: 01/10/97

Matrix: Water/Dissolved

Analyte	Concentration (mg/L)			Amount	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
Total Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Cadmium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	0.00	5.11	5.20	1.00	511	520	1.7
Total Nickel	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Organic Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$