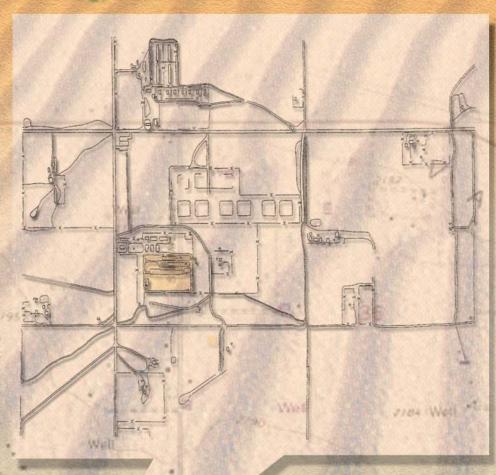
## CH2MHILL GROUNDWATER BACKGROUND STUDY (On Compact Disc)

(A complete paper copy of this report, "Groundwater Background Chromium Study Report, Hinkley Compressor Station", prepared by CH2MHILL in February 2007 is available at the project document repositories)

# roundwater Background Study Report Hinkley Compressor Station, Hinkley, California



sur station

**Prepared for** 



Pacific Gas and Electric Company California Gas Transmission

Prepared by

**CH2M**HILL

February 2007



Eric P. Johnson Hinkley Remediation Project Manager Gas Transmission and Distribution 350 Salem Street Chico, CA 95926 (530) 520-2959 (cell) (530) 896 4285 (office) (530) 896 4657 (fax) epj1@pge.com

February 28, 2007

Mr. Chuck Curtis
Supervising Engineer
California Regional Water Quality Control Board, Lahontan Region
2501 Lake Tahoe Boulevard
South Lake Tahoe, California 96150

Subject:

Background Study Report (February 2007)

Groundwater Remediation Project (Global ID #SL0607111288)

Pacific Gas and Electric Company Compressor Station

Hinkley, California

Dear Mr. Curtis:

Enclosed is the *Background Study Report* for the Hinkley site (Global ID #SL0607111288) in accordance with requirements by the California Regional Water Quality Control Board, Lahontan Region.

Please call me at (530) 896-4285 if you have any questions regarding this report.

Sincerely,

Eric Johnson

Hinkley Remediation Project Manager Gas Transmission and Distribution

Enclosure

cc:

Mike Plaziak/RWQCB Lahontan Region, Victorville

Lisa Dernbach/RWQCB Lahontan Region, South Lake Tahoe

Final Report

# Groundwater Background Study Report

# Hinkley Compressor Station, Hinkley, California

Prepared for

## Pacific Gas and Electric Company California Gas Transmission

February 28, 2007



155 Grand Avenue Suite 1000 Oakland, CA 94612

## **Groundwater Background Study Report**

#### Hinkley Compressor Station, Hinkley, California

Prepared for

Pacific Gas and Electric Company California Gas Transmission

February 28, 2007

Prepared by

**CH2M HILL** 

**BYLER** 

This report was prepared under supervision of a

California-registered Professional Geologist

Tess Byler, P. G.

Expiration: November 2008

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## **Acronyms and Abbreviations**

 $\delta$ <sup>53</sup>Cr ratio of <sup>53</sup>Cr to <sup>52</sup>Cr

 $\delta^{53}$ Cr-Cr ratio of  $\delta^{53}$ Cr to Cr(VI)

μg/L micrograms per liter

ADEQ Arizona Department of Environmental Quality

ANOVA analysis of variance

bgs below ground surface

BLM Bureau of Land Management

CDHS California Department of Health Services

Cr(III) trivalent chromium

Cr(T) total chromium

Cr(VI) hexavalent chromium

ft/ft foot per foot

ICM inductively coupled plasma mass spectrometry

LCL lower control limit

LCS laboratory control sample

LTU Land Treatment Unit

mg/L milligram per liter

MLE maximum likelihood estimate

PG&E Pacific Gas and Electric Company

RASA Regional Aquifer System Analysis

RPD relative percent-difference

TDS total dissolved solids

USEPA United States Environmental Protection Agency

USGS United States Geological Survey

UTL upper tolerance limit

Water Board California Regional Water Quality Control Board, Lahontan Region

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## **Executive Summary**

This report satisfies requirements for a study of background chromium conditions in groundwater near Pacific Gas and Electric Company's natural gas compressor station in Hinkley, California.

Process: Forty-eight wells were sampled for total chromium (Cr[T]) and hexavalent chromium (Cr[VI]), as well as additional geochemical parameters, during four rounds of groundwater sampling performed in 2006. The analytical results for all wells in the data set were analyzed for hydrogeochemical similarities, temporal trends, mathematical outliers, and data set balance to ensure that each sample could be considered representative of the background area. No samples were eliminated from the background data set. The background study also included analysis of stable chromium isotopes by the United States Geological Survey (USGS).

Results: Forty-three of the 48 wells sampled during the study exhibited Cr(T) or Cr(VI) detections during at least one of the sampling events. The maximum detected Cr(T) value was 3.15 micrograms per liter ( $\mu g/L$ ). The maximum detected Cr(VI) value was 2.69  $\mu g/L$ .

The individual Cr(T) and Cr(VI) results at each well were averaged to determine a representative concentration for each well. These averages were used in the statistical evaluation of the background data set. The maximum likelihood estimate approach was used to determine the mean and standard deviation for the Cr(T) and Cr(VI) data sets. The data were evaluated using statistical methods, and both Cr(T) and Cr(VI) data were determined to be best represented by a normal distribution.

The 95<sup>th</sup> percent upper tolerance limits (UTLs) calculated using the well average data are  $3.23 \,\mu g/L$  for Cr(T), and  $3.09 \,\mu g/L$  for Cr(VI).

Using these UTL values and multiplying by the percent uncertainty in the respective USEPA analytical test methods for Cr(T) and Cr(VI), the recommended background threshold values are 4.04  $\mu$ g/L for Cr(T), and 3.55  $\mu$ g/L for Cr(VI). These values are based on the 95th percent UTL plus the percent uncertainty (+/- 25 percent and +/- 15 percent, respectively) introduced by the analytic methods used in Cr(T) and Cr(VI) analysis.

If chromium concentrations above these values are found in the future, a closer examination of the local geochemical environment would be necessary to determine whether the sample concentration is natural or anthropogenic in nature. It would be statistically appropriate to compare the UTL values to well averages for up to four quarters of data.

In addition to Cr(T) and Cr(VI) sampling, the USGS evaluated the chromium isotope ratios in samples collected in 15 wells. The results of this investigation indicate that chromium isotope ratios were not useful to delineate the specific chromium degradation pattern within the plume, or to differentiate anthropogenic versus non-anthropogenic concentrations of Cr(VI).

**Recommendations**: No additional data collection activities are recommended at this time. However, future evidence may indicate additional analysis is appropriate.

### 1.0 Introduction

The purpose of this background study was to estimate the concentration of naturally-occurring total chromium [Cr(T)] and hexavalent chromium [Cr(VI)] in groundwater near the Pacific Gas and Electric Company (PG&E) natural gas compressor station in Hinkley, California (Figure 1-1).

In July 2002, PG&E submitted a technical memorandum titled *Scope of the Background Chromium Study at the PG&E Compressor Station, Hinkley, California* to the California Regional Water Quality Control Board, Lahontan Region (Water Board) (CH2M HILL, 2002). In November 2003, the Water Board sent the background study proposal to three University of California professors for review. The results of the three reviews were transmitted to PG&E in a letter dated March 5, 2004 (Water Board, 2004a). All three reviewers provided comments and agreed that the planned study was appropriate. These comments were incorporated into the *Revised Background Chromium Study Work Plan, PG&E Compressor Station, Hinkley, California* (work plan) (CH2M HILL, 2004a). This document also incorporates requirements by the Water Board as specified in their acceptance of the work plan (Water Board, 2004b).

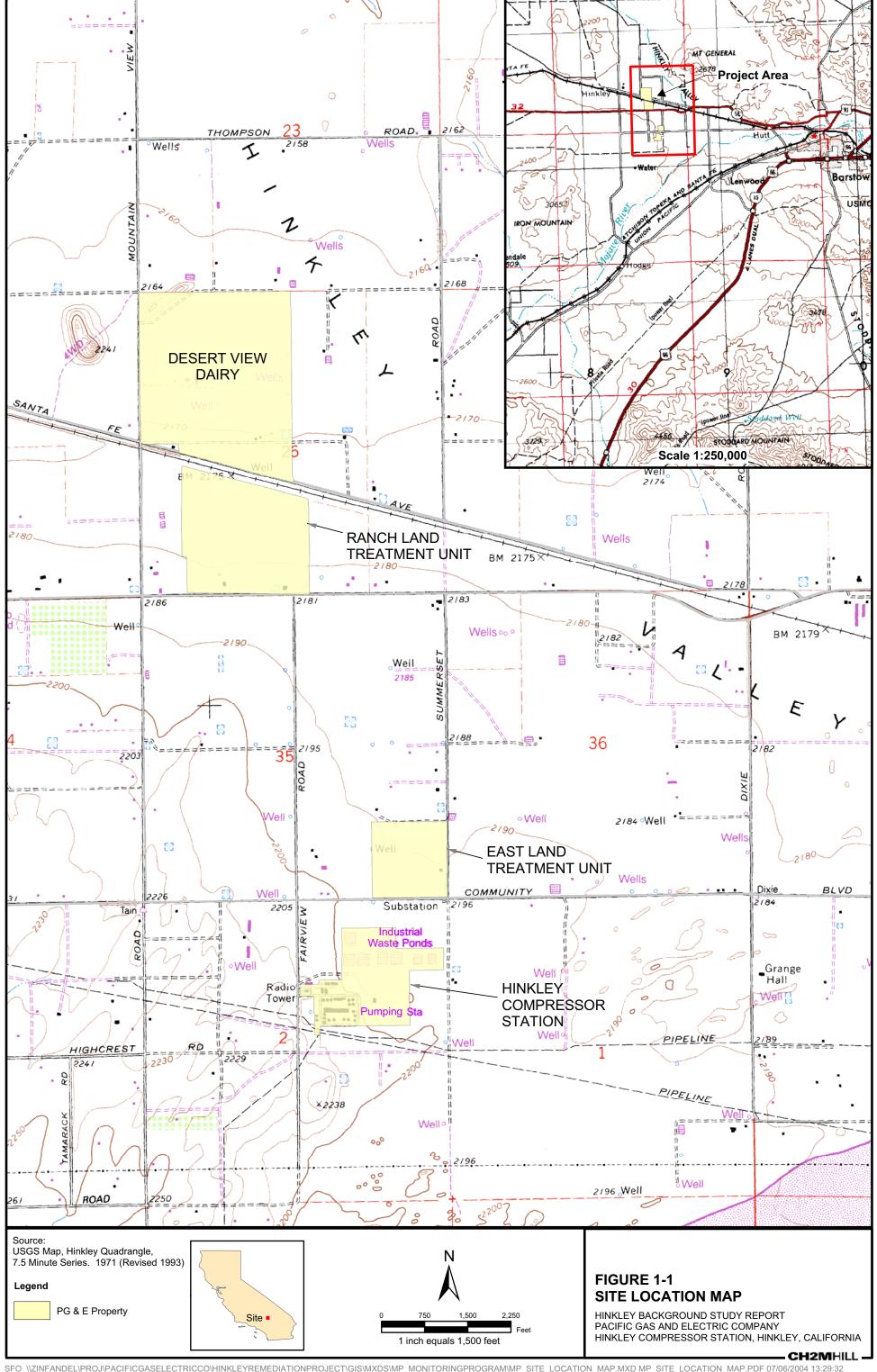
The results of the first two quarters of background study sampling were summarized in an interim letter report from PG&E (PG&E, 2006). This report presents all the sampling results from the Hinkley background study (background study), evaluates these results for inclusion into the background study data set, and uses this data set to calculate the background Cr(VI) and Cr(T) concentrations in groundwater in the study area.

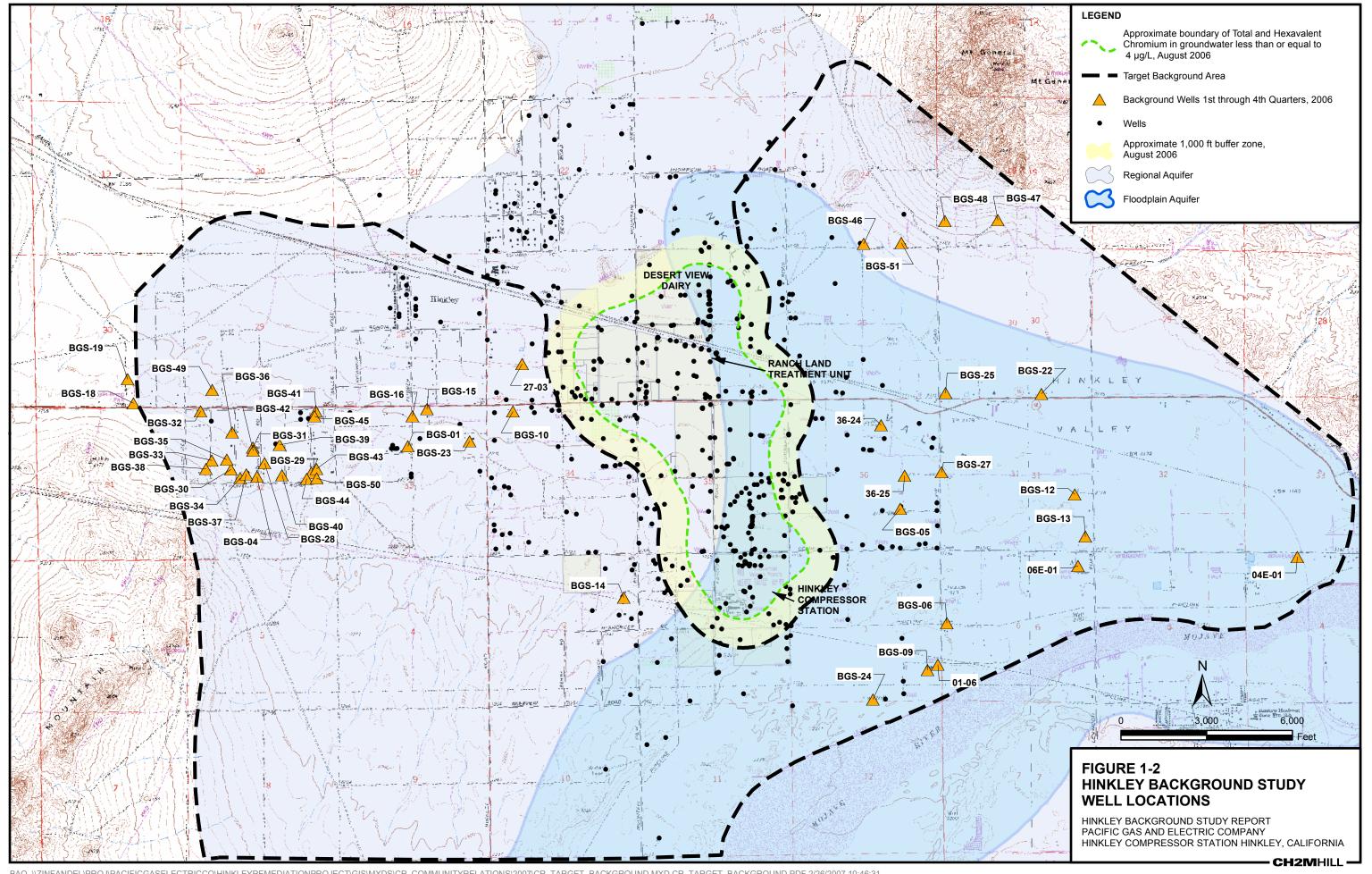
#### 1.1 Background Study Process

The process for identifying and evaluating potential background wells and for calculating background chromium concentrations in groundwater included:

- Selection of potential background wells and initial sampling.
- Well network expansion and additional sampling.
- Data evaluation.
- Estimation of Cr(T) and Cr(VI) background concentrations.

Selection of Potential Background Wells and Initial Sampling: The first step of the background study field program included a records search to identify wells for potential inclusion in the background study. These results were presented to the Water Board in the Well Survey Report (CH2M HILL, 2005). After an initial site reconnaissance, potential background wells were presented to the Water Board in a meeting in August 2005. The Water Board requested the inclusion of additional wells located hydraulically upgradient of the compressor station, and requested that all selected wells be located in the Hinkley Valley Target Background Area, shown on Figure 1-2.





PG&E performed a second and third site reconnaissance in October and November 2005 to satisfy Water Board requests. Accessible wells were sampled as part of the first background study event in January 2006. The second background study event took place in April, 2006. Analytical results from the first two sampling events were presented to the Water Board in a letter report dated June 30, 2006 (PG&E, 2006).

Well Network Expansion and Additional Sampling: The work plan (CH2M HILL, 2004a) specified that discrete depth groundwater samples be collected to determine if small scale-variations in chromium concentrations occurred at varying depths. The United States Geological Survey (USGS) previously documented that site-specific concentration values could be as high as 36 micrograms per liter ( $\mu$ g/L), based on results for discrete depth samples collected in alluvial deposits weathered from granitic, volcanic, and metamorphic rock (Ball and Izbicki, 2004). However, it was apparent after the second sampling event for this study that discrete-depth data could not be collected due to well access limitations. The work plan assumed that large-diameter agricultural wells would be available for discrete-depth sampling methods, but the vast majority of these wells contained submerged debris or had been filled in and abandoned entirely.

To compensate for the lack of discrete-depth-samples, PG&E proposed to expand the background study well network. This was done to create a larger data set, thereby providing more information on the natural variation in Cr(T) and Cr(VI) concentrations in the study area. A door-to-door survey of residents within the study area was conducted in conjunction with the third background study sampling event to identify supplementary wells for the background study. An additional 30 wells were identified for inclusion in the study, and these wells were sampled during the third and fourth sampling events.

**Data Evaluation**: Data evaluation was conducted consistent with the work plan and consisted of:

- A review of geochemical data to evaluate each well's suitability for inclusion into the final background data set.
- Statistical tests to identify potential outliers in the background data set.

Estimation of Background Concentration: Using the final background study data set, a 95th percent upper tolerance limit (UTL) was calculated for both Cr(T) and Cr(VI) using procedures specified in the work plan. These UTLs were then multiplied by the percent uncertainty in the respective USEPA analytical test methods for Cr(T) and Cr(VI) to produce a recommended background threshold value. These background threshold values were then compared with other studies of chromium in and around the Mojave Desert.

#### 1.2 Report Structure

The remainder of this report is organized as follows:

- Section 2.0 describes the site setting based on data collected since the 2004 work plan and includes water budget and wind rose information.
- Section 3.0 describes the background study data collection activities and provides a data quality review.
- Section 4.0 summarizes the final validated analytical results. This section also discusses the results of a chromium isotope study performed by the USGS.
- Section 5.0 presents a geochemical and statistical evaluation of the data to determine the final background data set.
- Section 6.0 presents the 95<sup>th</sup> percent UTLs for Cr(T) and Cr(VI) in the study area, multiplies those UTLs by the percent uncertainty in the respective USEPA analytical test methods for Cr(T) and Cr(VI), and places these values in context with other chromium studies performed in the Mojave Desert.
- Section 7.0 provides conclusions of the background study.
- Section 8.0 provides references cited in this report.

## 2.0 Site Setting

This section synthesizes information that has been collected for the Hinkley study area since the work plan (CH2M HILL, 2004a) was developed in 2004 and provides information on water budgets and wind rose data as required by the Water Board.

#### 2.1 Physical Features

#### 2.1.1 Surface Features

The Mojave River basin in west-central San Bernardino County is characterized by approximately north-south trending parallel fault block mountains separated by alluvial valleys (USGS, 2004). The Mojave River groundwater basin contains unconsolidated alluvial and floodplain sediments composed of sands, gravels, silts and clays.

The Hinkley Valley is defined as the region within the Mojave River basin located north of the Mojave River, bounded to the west by Iron Mountain and to the northeast by Mount General and Waterman Hills. The topography in the valley generally slopes gently to the north towards Harper Lake (Figure 2-1).

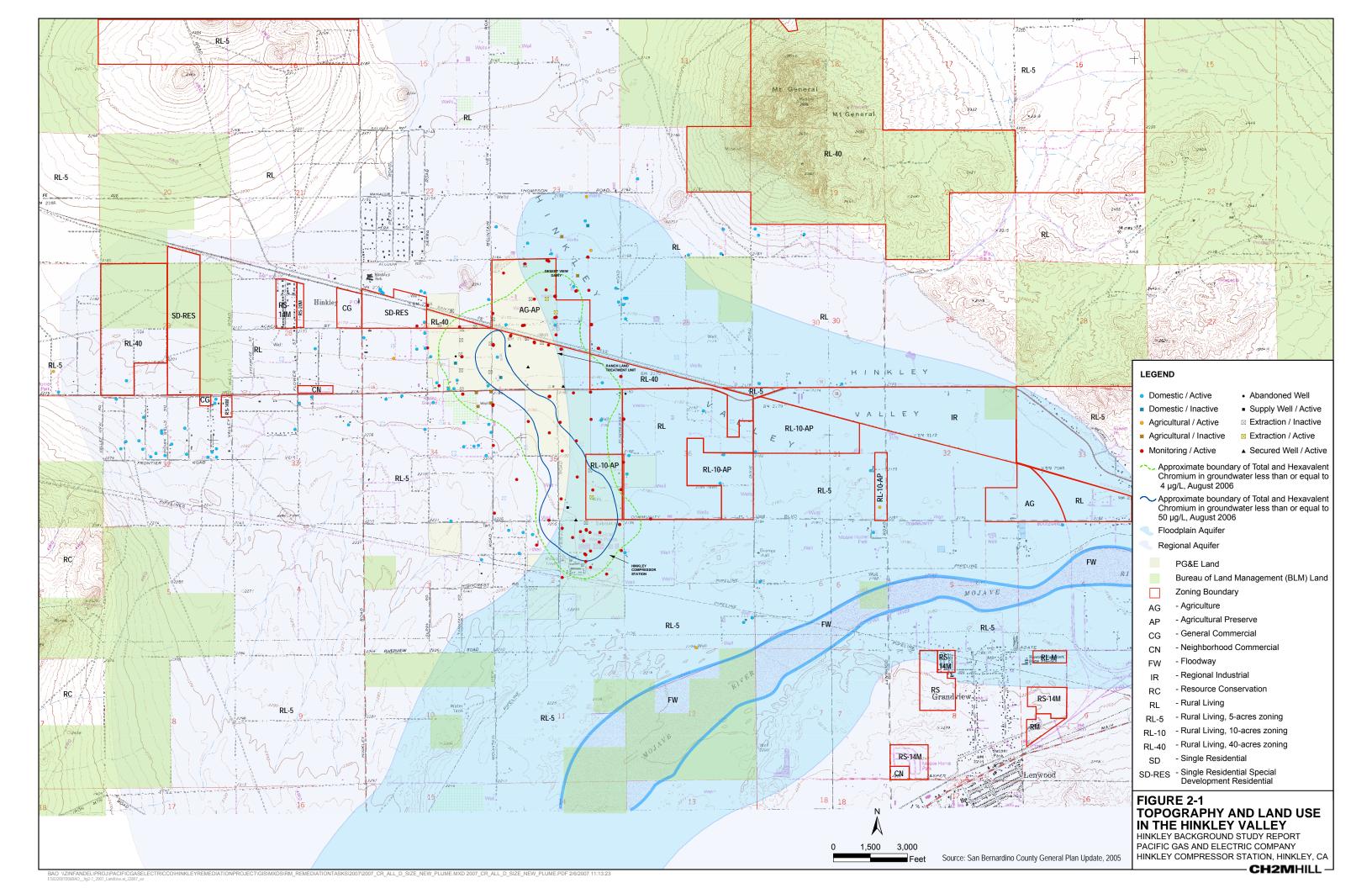
The Target Background Area is also shown on Figure 2-1. This area consists of the Hinkley Valley bounded by the Mojave River on the south and consolidated rock to the east and west. It excludes the area within 1,000 feet of the groundwater plume and the entire area downgradient of the plume.

#### 2.1.2 Land Use

The land use in the Hinkley Valley is shown on Figure 2-1. The central portion of the Hinkley Valley is private unincorporated land, with Bureau of Land Management (BLM) lands flanking the valley margin. The predominant land use is Rural Living, typically separated into 5- to 40-acre plots, with areas of Agricultural and Agricultural Preserve lands. In addition, significant Resource Conservation areas exist in the western and eastern portions of the Hinkley Valley, generally on the BLM lands (County of San Bernardino, 2005).

#### 2.1.3 Meteorology/Climatology

The climate of the Mojave River basin is characterized by low precipitation, low humidity, and high summer temperatures. The typical amount of rainfall is less than 5 inches per year, and the evaporation rates are near 100 inches per year. Wind Rose diagrams, which indicate the predominant wind directions, are included in Appendix A. The wind direction is generally westerly, including west-northwest and west-southwest, with less frequent southwest directions.



The Water Board requested an analysis of potential chromium deposition from past cooling water tower operations in this report (Water Board, 2004b). As discussed with the Water Board on February 2, 2005, wind deposition is not a complete pathway for chromium in groundwater at the Hinkley site because rainfall is not a significant component of groundwater recharge (USGS, 2001). Irrigated fields may return water to the aquifer; however, in this process, any Cr(VI) in the water is converted to trivalent chromium (Cr[III]), which precipitates out in soil. This is the same bioremediation process that is used at the Desert View Dairy Land Treatment Unit (LTU) and that was used at the former East and Ranch LTUs.

#### 2.2 Hydrogeology

#### 2.2.1 Regional Hydrogeology

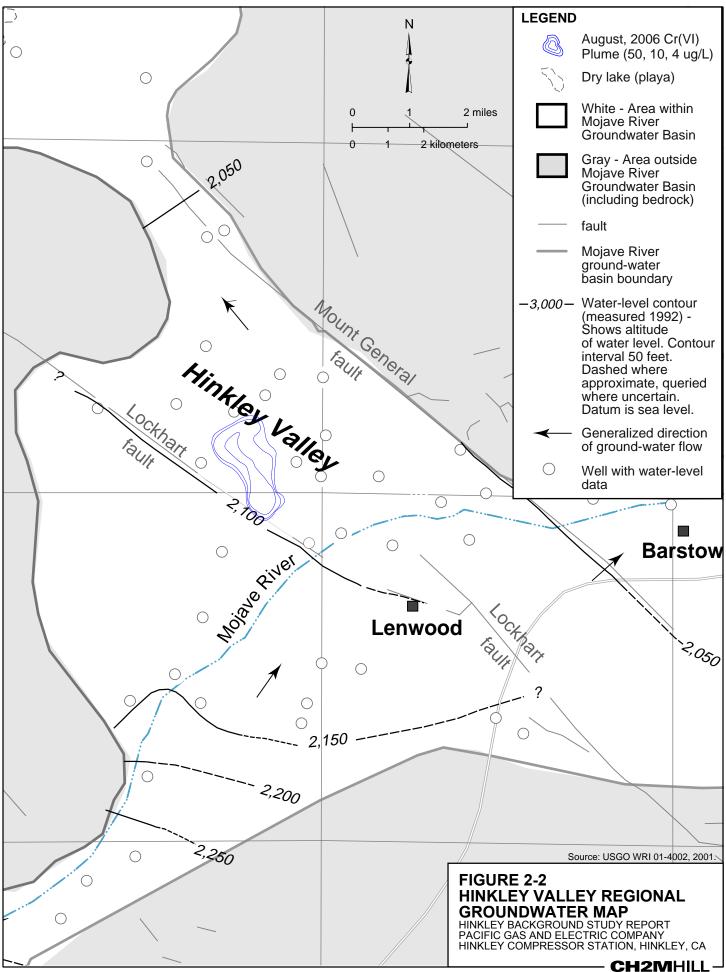
The USGS considers the entire Mojave River groundwater basin to be topographically enclosed. The Mojave River contributes more than 80 percent of the natural groundwater recharge to the basin, and the groundwater drains toward regional playas (USGS, 2001). Within the Hinkley Valley, groundwater drains to the north into the Harper Lake Playa. Figure 2-2 illustrates the generalized regional flow pattern of groundwater in the Mojave River groundwater basin.

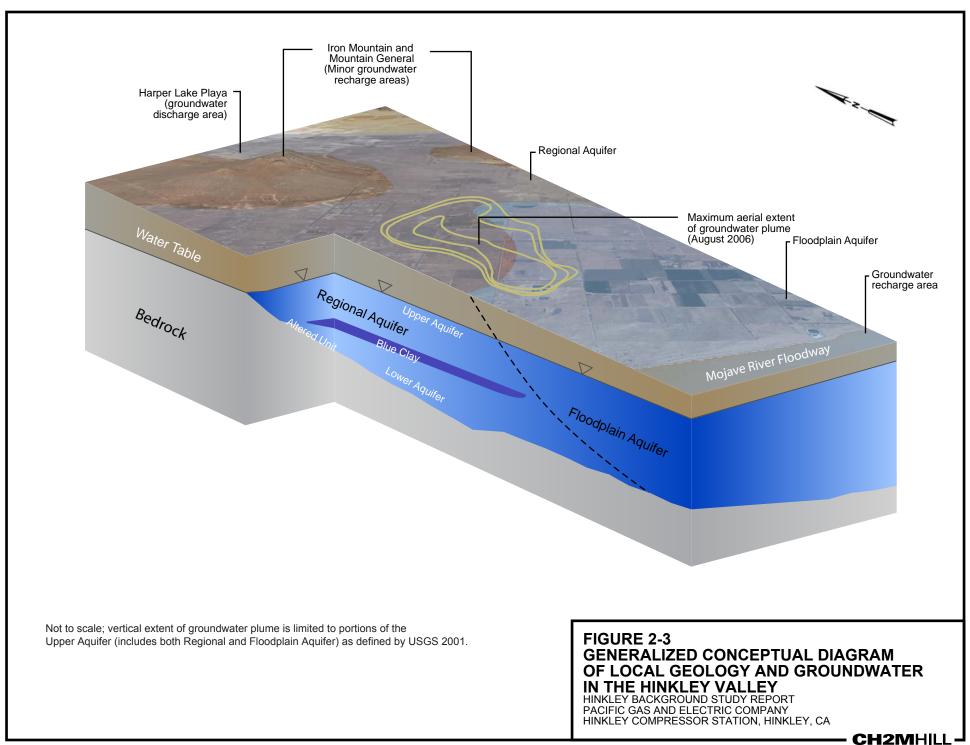
To establish the source and movement of the groundwater in the Mojave River groundwater basin, the USGS performed an analysis of the tritium composition of the groundwater (USGS, 2001). Groundwater containing detectable tritium entered the aquifer after 1952, and groundwater that did not contain tritium entered the aquifer before 1952. The results of this tritium analysis prompted the USGS to estimate the lateral boundaries of two hydraulically-connected aquifers within the Mojave groundwater basin: the Floodplain Aquifer and the Regional Aquifer (see Figure 2-1). Most of the wells that contained detectable tritium are located within the Floodplain Aquifer. Generally, the Floodplain Aquifer is composed of past and current Mojave River deposits. The Regional Aquifer, which surrounds and underlies the Floodplain Aquifer, is generally composed of unconsolidated alluvial fan deposits from the surrounding mountains.

The PG&E Hinkley Compressor Station is located in an area overlying the Floodplain Aquifer. The groundwater chromium plume (Figure 2-1) is located over areas estimated by the USGS to be part of both the Regional and Floodplain Aquifers.

#### 2.2.2 Site Hydrogeology

**Hydrostratigraphy**: The hydrostratigraphy of the study area is generally divided into two additional depth-specific aquifers: the Upper Aquifer and the Lower Aquifer. The Upper Aquifer, which includes the Floodplain Aquifer and portions of the Regional Aquifer, is underlain by a low-permeability aquitard, referred to as the Blue Clay. Below the Blue Clay is the deeper, semi-confined water-bearing zone, referred to as the Lower Aquifer. Below the Lower Aquifer is a granitic bedrock unit. A generalized conceptual diagram of local geology and groundwater is shown on Figure 2-3.





The Blue Clay becomes thinner to the west, where the underlying bedrock is shallower, and is absent in the study area approximately west of Mountain View Road and north of Highway 58. In these areas, the Upper Aquifer is underlain directly by bedrock. The Blue Clay is also absent within a few hundred feet of the current Mojave River channel (Figure 2-3). In this area, the depth to bedrock is greater than 300 feet below ground surface (bgs), with generally coarse-grained sediments encountered to bedrock.

The Lower Aquifer is a permeable stratum below the Blue Clay. This includes calcareous sedimentary rock and highly weathered, decomposed, and fractured bedrock that exists as the transitional interface above the granitic bedrock. The Lower Aquifer thickens to the east.

Granitic bedrock is encountered at depths of 100 to 150 feet bgs in the northwest portion of the study area. The depth to bedrock increases significantly in the eastern and southern portion of the site to as deep as 300 feet bgs.

Structural Features: The predominant geologic features of the Hinkley Valley are two regional faults: the Lockhart and Mount General faults (see Figure 2-2). The Lockhart Fault is located within the southwest portion of the Hinkley Valley as a northwest-trending, right-lateral, strike-slip fault (USGS, 2001). The Lockhart Fault is Quaternary-aged, with no evidence of historic or Holocene Fault movement or surface offset within the study area. The Lockhart fault and other strike-slip faults in the Mojave River groundwater basin have been characterized as barriers or partial barriers to groundwater flow (USGS, 2001; DWR, 2003). In the Hinkley Valley, the Lockhart Fault is considered to impede but not prevent groundwater flow, transmitting some flow component to the north. It is interpreted as a leaky boundary in the groundwater flow model (Appendix B). This interpretation is corroborated by the evaluation of general water chemistry presented in Section 5.0, which indicates one mixed aquifer. The Mount General Fault coincides with the eastern boundary of the Hinkley Valley study area.

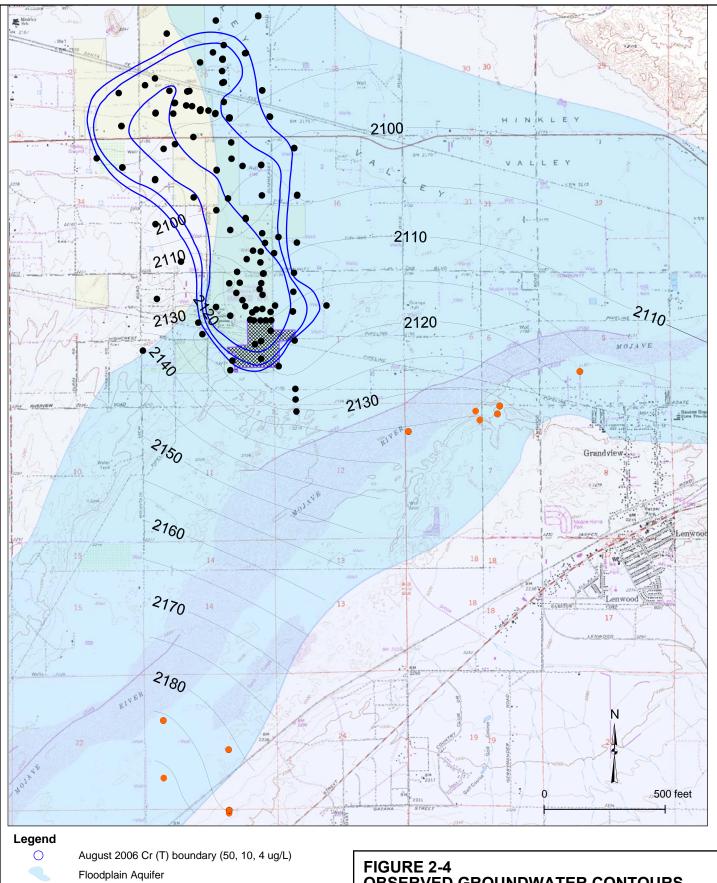
**Groundwater Flow**: Water table contours from the Mojave River to the northern portion of the site were constructed using groundwater-level data collected from site monitoring wells on February 13, 2006 and water-level data from USGS wells measured on February 2-3, 2006 (Appendix B and Figure 2-4).

The depth to groundwater ranges from approximately 75 to 102 feet bgs. The saturated Upper Aquifer thickness ranges from approximately 25 feet (northwest area along Mountain View Road) to approximately 100 feet (eastern areas north of Highway 58).

Lateral gradients range from 0.002 feet per foot (ft/ft) to 0.004 ft/ft across the study area, generally flowing in a north-northwesterly direction from the compressor station to the northern end of the study area (Figure 2-4).

#### 2.2.3 Water Budget

The water budget for the Hinkley Valley provides a basis for understanding the source of and uses of groundwater in the Hinkley Valley and provides an overall view of the fluxes within the groundwater system.



Floodplain Aquife

Regional Aquifer

**2100** February 2006 Groundwater Contours (5 ft interval)

Project Well

Well from USGS Monitoring Network

# FIGURE 2-4 OBSERVED GROUNDWATER CONTOURS AND HORIZONTAL GROUNDWATER FLOW IN THE HINKLEY VALLEY

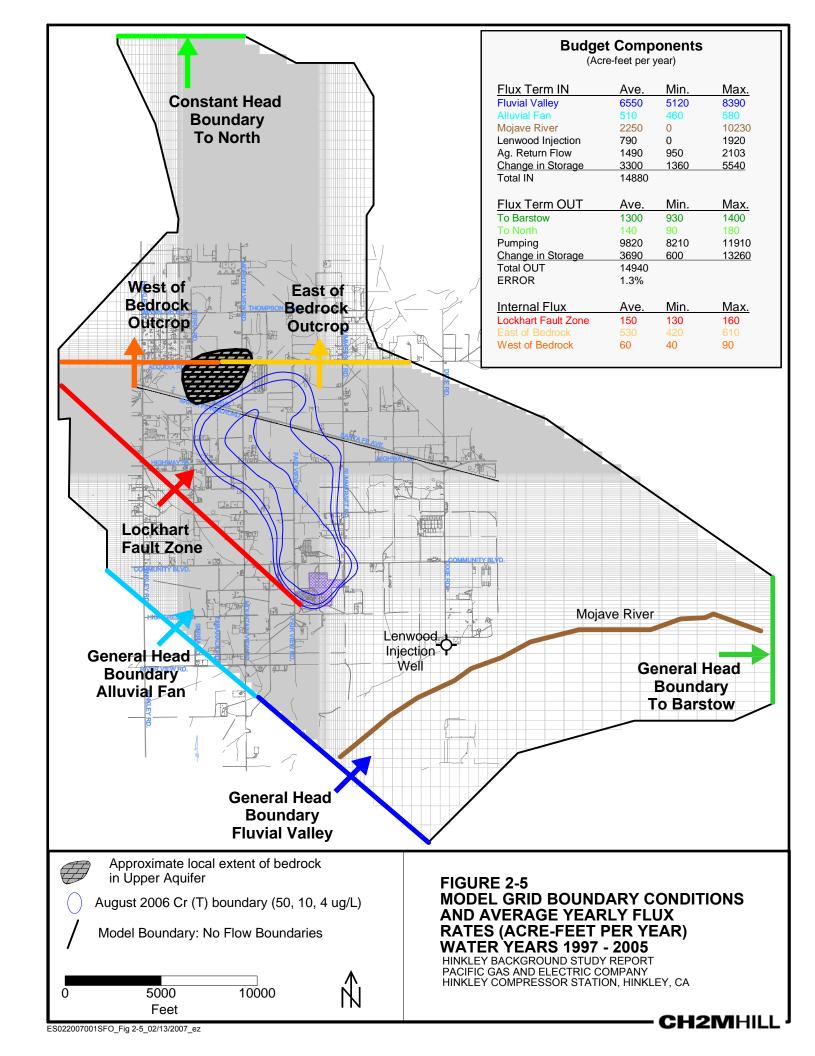
HINKLEY BACKGROUND STUDY REPORT PACIFIC GAS AND ELECTRIC COMPANY HINKLEY COMPRESSOR STATION, HINKLEY, CA

CH2MH LL-

This evaluation of water budget is based on a numerical groundwater flow model that was developed by PG&E for the Hinkley Site (Appendix B). The model domain is shown on Figure 2-5. Although the model domain does not include some portions of the Target Background Study Area, the water budget evaluation results can be extrapolated to these areas.

Figure 2-5 details the estimated volumes of each component of the water budget. To quantify water budget components, the groundwater flow model was run for water-years 1997 through 2005. Groundwater pumping rates for this period were obtained from the Mojave Watermaster. Domestic pumping for some residential areas was estimated based on published values for typical single-family household domestic water use.

Water budget values were calculated as the yearly average for the period stated above (see Figure 2-5). On average, about 7,000 acre-feet of groundwater entered the modeled area from the south each year. About 20 percent of this subsurface flow continued eastward toward Barstow, and about 2 percent flowed out of the model boundary to the north toward Harper Lake Playa. The bulk of the groundwater inflow was pumped for irrigation or domestic use.



## 3.0 Data Collection Activities

This section summarizes the field sampling program and data validation for the background study sampling events. The sampling schedule is summarized by well in Table 3-1.

## 3.1 Field Sampling Program

The Hinkley background study data set included samples collected from 48 wells that are representative of groundwater quality in the study area. The following summarizes the sampling program:

- **First Event:** The first background study sampling event was performed between January 30 and February 2, 2006. Seventeen wells were sampled and analyzed for Cr(T), Cr(VI), and additional general chemistry and trace metal analytes.
- **Second Event:** The second sampling event was performed between April 24 and 27, 2006 and included the 17 wells from the first event and one additional well (BGS-19).
  - Discrete depth samples also were collected at two wells (Wells 36-01 and BGS-24). The KABIS Sampler® was used in well 36-01, which is located outside the Target Background Study Area. A portable Grundfos pump was used in BGS-24, which is located within the Target Background Study Area. No other wells were accessible for discrete-depth sampling.
  - An additional 10 wells were sampled for chromium isotope analysis.
- Third Event: The third sampling event was performed July 24 to 27 and September 26 to 28, 2006. Because discrete-depth samples could not be collected as proposed in the work plan, further reconnaissance was performed as part of the third event to identify additional wells in the study area. In all, 45 wells were sampled for Cr(T) and Cr(VI) as part of the third background study event.
  - The pump in one well, BGS-05, had failed since the last sampling event, so this well was not sampled during the third or fourth background study sampling events.
  - Four additional wells were sampled for chromium isotope analysis, per a request from the USGS.
- Fourth Event: The fourth quarter sampling event (performed October 23 to 25 and November 13 to 15, 2006) included 38 wells. Nine of the third-sampling-event wells were not sampled during the fourth sampling event due to lack of access or mechanical pump failure in the wells. Two new wells (BGS-50 and BGS-51) were added during this event because access was granted.
  - One new well (MW-36) and one previously sampled well (MW-18) were sampled for chromium isotope analysis.

TABLE 3-1 Hinkley Background Study Quarterly Monitoring Schedule and Well Information
Hinkley Valley Groundwater Background Study Report
Hinkley Compressor Station, Hinkley, CA

	ssor Station, Hinkley, Cication, Type, and S		Well Construction Details								Monitoring Schedule			
Well ID	Well Type	Well Status	Total Depth (ft bgs)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screened Interval (ft)	Mojave River Basin Aquifer	Aquifer Zone	Source of Well	Quarter 1	Quarter 2	3	Quarter 4	
01-06	Domestic Well	Active	78.5	55	78	23	Floodplain	Upper	Boring Log			Х		
04E-01	Domestic Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A			Х	Х	
06E-01	Domestic Well	Active	300	80	300	220	Floodplain	Upper & Lower	Boring Log			Х	Х	
27-03	Agricultural Well	Active	143	UNK	UNK	UNK	Regional	UNK	N/A			Х		
36-24	Domestic Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A			Х		
36-25	Domestic Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A			Х		
BGS-01	Domestic Well	Active	155	90	150	60	Regional	Upper	Boring Log	Х	Х	Х	Х	
BGS-04	Domestic Well	Active	153	83	153	70	Regional	Upper	Boring Log	Х	Х	Х	Х	
BGS-05	Domestic Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A	Х	Х			
BGS-06	Domestic Well	Active	200	100	200	100	Floodplain	Upper & Lower	Boring Log	Х	Х	Х	Х	
BGS-09	Domestic Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A	X	Х	Х	Х	
BGS-10	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A	X	Х	Х	Х	
BGS-12	Domestic Well	Active	251	86	246	160	Floodplain	Upper & Lower	Boring Log	Х	Х	Х	Х	
BGS-13	Agricultural Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A	Х	Х	Х		
BGS-14	Domestic Well	Active	195	80	195	115	Regional	Upper & Lower	Well Owner	Х	Х	Х	Х	
BGS-15	Domestic Well	Active	120	90	120	30	Regional	Upper	Well Owner	Х	Х	Х	Х	
BGS-16	Domestic Well	Active	200	100	200	100	Regional	Upper & Lower	Boring Log	Х	Х	Х	Х	
BGS-18	Domestic Well	Active	120	UNK	UNK	UNK	Regional	UNK	Well Owner	Х	Х	Х	Х	
BGS-19	Agricultural Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A		Х	Х	Х	
BGS-22	Domestic Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A	Х	Х	Х	Х	
BGS-23	Domestic Well	Active	188	82	187	105	Regional	Upper & Lower	Boring Log	Х	Х	Х	Х	
BGS-24	Agricultural Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A	Х	Х	Х		
BGS-25	Domestic Well	Active	UNK	80	400	320	Floodplain	Upper & Lower	Well Owner	Х	Х	Х	Х	
BGS-27	Domestic Well	Active	UNK	UNK	UNK	UNK	Floodplain	UNK	N/A	Х	Х	Х	Х	
BGS-28	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			Х	Х	
BGS-29	Domestic Well	Active	105	45	105	60	Regional	Upper & Lower	Boring Log			Х	Х	
BGS-30	Domestic Well	Active	160	99	155	56	Regional	Upper & Lower	Boring Log			Х		
BGS-31	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			Х	Х	
BGS-32	Domestic Well	Active	136	73	136	63	Regional	Upper & Lower	Boring Log			Х	Х	
BGS-33	Domestic Well	Active	114	55	114	59	Regional	Upper & Lower	Boring Log			Х	Х	
BGS-34	Domestic Well	Active	147	42	147	105	Regional	Upper & Lower	Boring Log			Х	Х	
BGS-35	Domestic Well	Active	160	UNK	UNK	UNK	Regional	UNK	Well Owner			Х	Х	
BGS-36	Domestic Well	Active	165	85	165	80	Regional	Upper & Lower	Boring Log			Х	Х	
BGS-37	Domestic Well	Active	160	55	160	105	Regional	Upper & Lower	Boring Log			Х	Х	
BGS-38	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			Х	Х	
BGS-39	Domestic Well	Active	152	72	152	80	Regional	Upper & Lower	Boring Log			Х	Х	
BGS-40	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			Х	Х	
BGS-41	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			X	X	
BGS-42	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			X	X	
BGS-43	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			X	X	
BGS-44	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			X	X	
BGS-45	Domestic Well	Active	205	UNK	UNK	UNK	Regional	UNK	Well Owner			X		
BGS-46	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			X	Х	
BGS-47	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			X	X	
BGS-48	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			X		
BGS-49	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A			X	Х	
BGS-50	Domestic Well	Active	UNK	UNK	UNK	UNK	Regional	UNK	N/A				X	
BGS-51	Domestic Well	Active	200	160	200	40	Regional	Upper & Lower	Boring Log				X	
200 01	2 STITUGUE VVOII	7 101146	200	100	200	, ,,,	regional	oppor a Lower	Doming Log	l	l	l	^_	

Notes:  $\label{eq:continuous} \textbf{X} = \text{Well was sampled during the quarter shown}$ 

UNK = Well detail not known

N/A = No well information available
Quarter 1 = February 2006, Quarter 2 = April 2006, Quarter 3 = July-September 2006, and Quarter 4 = October-November 2006.

#### 3.2 Sampling Procedures

All background study sampling was performed in accordance with the Activity-specific Safety and Health Plan (CH2M HILL, 2004b). Sampling was performed via three methods during the four sampling events. The majority of the samples were taken from spigots at active domestic or agricultural well heads. In addition to these standard samples, two wells were sampled at multiple discrete depths via two methods.

Prior to the collection of each groundwater sample, the static water level and total depth of each well was gauged (when access was available), the well was purged, and field parameters (pH, specific conductance, dissolved oxygen, and temperature) were recorded. Samples were collected after three consecutive field parameter readings were within the stabilization criteria of +/- 0.1 pH units, +/- 5 percent specific conductance, and +/- 0.5 milligram per liter (mg/L) dissolved oxygen. Samples were collected and preserved as per the laboratory requirements, labeled, and kept on ice until analysis was performed.

Figure 1-2 shows the location of the wells sampled during the background study. Appendixes C and D contain the sampling forms, laboratory analytical data, and chain-of-custody documentation.

During the first and second quarters of the study, samples were analyzed for the parameters outlined in the work plan, which included Cr(T) and Cr(VI), chromium isotopes, general chemistry parameters, field parameters, and dissolved metals. Prior to the initial sampling event, the Water Board verbally approved the removal of five parameters from the Work Plan that were considered to be redundant or not needed for geochemical evaluations. The removed parameters were: ferrous iron, total suspended solids, dissolved organic carbon, fluoride, and dissolved silica. After the second sampling event, data review indicated that several analytes had never been detected in any background study wells, and therefore were not necessary to classify the groundwater in the study area. This final list of analytes was used during the third and fourth sampling events. Table 3-2 contains the analyte list by quarter.

The initial list of potential discrete-depth background study wells presented in the work plan included 41 wells. The work plan proposed collecting two discrete-depth samples from five of these long-screened wells. The goal of the discrete sampling was to evaluate whether chromium concentration varied at specific depth intervals within the aquifer. One of these wells was sampled during the second sampling event. A second well, not located in the Target Background Area, was also sampled to test the discrete-depth sampling protocol. No other wells were found to be accessible for discrete-depth sampling.

TABLE 3-2 Analyte List for All Background Study Sampling Events Hinkley Groundwater Background Study Report Hinkley Compressor Station, Hinkley, CA

Analytical Method	Analyte	Units	Quarters 1 and 2	Quarters 3 and 4
Chromium Form	s			
7199	Hexavalent chromium	μg/L	yes	yes
6020A	Chromium, dissolved	μg/L	yes	yes
Metals				
6020A	Antimony, dissolved	mg/L	yes	no
6020A	Arsenic, dissolved	mg/L	yes	yes
6020A	Barium, dissolved	mg/L	yes	no
6020A	Beryllium, dissolved	mg/L	yes	no
6020A	Cadmium, dissolved	mg/L	yes	no
6020A	Calcium, dissolved	mg/L	yes	yes
6020A	Cobalt, dissolved	mg/L	yes	no
6020A	Copper, dissolved	mg/L	yes	no
6020A	Iron, dissolved	mg/L	yes	yes
6020A	Lead, dissolved	mg/L	yes	no
6020A	Magnesium, dissolved	mg/L	yes	yes
6020A	Manganese, dissolved	mg/L	yes	yes
6020A	Molybdenum, dissolved	mg/L	yes	no
6020A	Nickel, dissolved	mg/L	yes	no
6020A	Potassium, dissolved	mg/L	yes	yes
6020A	Selenium, dissolved	mg/L	yes	no
6020A	Sodium, dissolved	mg/L	yes	yes
6020A	Thallium, dissolved	mg/L	yes	no
6020A	Zinc, dissolved	mg/L	yes	no
7470A	Mercury, dissolved	μg/L	yes	no
General Chemis	try			
160.1	Total dissolved solids	mg/L	yes	yes
300.0	Bromide	mg/L	yes	no
300.0	Chloride	mg/L	yes	yes
300.0	Nitrate as Nitrogen	mg/L	yes	yes
300.0	Sulfate	mg/L	yes	yes
310.1	Alkalinity, as carbonate	mg/L	yes	no*
310.1	Alkalinity, bicarb. as CaCO <sub>3</sub>	mg/L	yes	yes
310.1	Alkalinity, total as CaCO <sub>3</sub>	mg/L	yes	yes
350.2	Ammonia as nitrogen	mg/L	yes	no

#### Notes

<sup>\*</sup> Alkalinity, as carbonate, was discontinued midway through the Quarter 3 sampling (not needed).

Quarter 1 = February 2006, Quarter 2 = April 2006, Quarter 3 = July-September 2006, and Quarter 4 = October-November 2006.

#### 3.3 Chromium Speciation and Isotope Analysis

The work plan proposed sampling 10 wells for chromium isotope analysis during the second sampling event. One of the proposed wells (35-12) was abandoned after the publication of the work plan and was unavailable for sampling. A well with comparable historic chromium values (MW-08) was substituted during the second sampling event. After the first set of chromium isotope analyses, the USGS requested additional samples to refine the calibration curve for the isotope data set. Four additional wells were sampled during the third sampling event. During the fourth sampling event, one well (MW-36) was added, and one of the second quarter wells (MW-18) was re-sampled.

Fifteen wells (16 samples, since one well was sampled twice) were sampled for chromium isotopes; however, the USGS was not able to provide results for two of the sampled wells, so reported results are for 13 wells. Appendix E provides the methodology for chromium isotope analysis.

#### 3.4 Data Quality Review

As per the Quality Assurance Project Plan (CH2M HILL, 2004c), the laboratory analytical data generated during the four sampling events were independently reviewed by project chemists to assess data quality and identify any deviations from analytical requirements. Analytical results flagged "R" (data rejected based on an evaluation of quality control and data validation criteria) were not used in statistical analysis. Results flagged "J" (concentration estimated based on quality control and data validation criteria) were included. Appendix F presents a summary of all data that required validation flags.

Completeness objectives were met for all method and analyte combinations. No significant analytical deficiencies were identified. With minor exceptions, the analyses and data quality meet the project Quality Assurance Project Plan and laboratory method quality control acceptance criteria.

Analytic Accuracy: The data quality review includes an evaluation of the relationship between the dissolved Cr(T) (sum of all species) and Cr(VI) for each individual location. When a result for Cr(VI) is greater than the dissolved Cr(T) result, special attention is paid to those results. Although theoretically impossible, the Cr(VI) results can be greater due to the inherent inaccuracy of the analytical methods. The accuracy is the degree of agreement between a measured value and the "true" value. The SW6010B/6020A Cr(T) method has a criterion of +/- 25 percent from the true value based on the recovery of a known amount of "spiked" chromium. The SW7199 method for analyzing Cr(VI) has a criterion of +/- 15 percent from the true value, based on the recovery of a known amount of "spiked" Cr(VI). If each method is in error by the maximum percentage in the opposite direction (i.e., Cr[T] is 25 percent less than the "true" value and Cr[VI] is 15 percent greater than the "true" value), the Cr(VI) result can have a relative percent difference (RPD) of 40 percent above the Cr(T) result.

**Interferences**: Potential analytical interferences from cross contamination, a reducing environment, or presence of chloride or sulfate in the samples were evaluated during data

validation. None of these interferences was noted for the Cr(VI) results in the background study.

The only noted potential interference was a slightly low Cr(VI) recovery in the matrix spike sample from BGS-48 during the third sampling event. However, the low recovery (83 percent vs. 85 to 115 percent expected) does not necessarily indicate matrix interference. The 19 other matrix spike samples analyzed during this study did not indicate low recovery.

**Holding-Time**: Four Cr(VI) (SW7199) samples were analyzed outside the recommended holding-time. Holding time exceedances result in the possible loss of target analytes, due to degradation or chemical reactions that usually cause a negative bias to sample results. The detected results were flagged "J" as an estimated concentration.

The results for two anion (E300.0) samples indicated that the samples may have been switched by the lab prior to analysis. The samples were reanalyzed (outside the recommended holding time) for the respective analytes (nitrate, chloride, and sulfate [E300.0]) to confirm the error. The reanalyzed chloride and sulfate results were flagged "J" as estimated concentrations.

Two non-detect nitrate results were not usable due to gross exceedance of the holding time criteria and were flagged "R." All other holding times were met.

Field Duplicates: Field duplicates were collected at the minimum rate of 1 per 10 normal samples per the work plan. The duplicates were analyzed to determine if field collection activities or sample matrix influenced the precision of the analytical measurements obtained at the sample site. All field duplicate acceptance criteria were met with the following exceptions: one Cr(VI) (SW7199) pair, one dissolved manganese pair, one dissolved zinc pair, and one total dissolved solids (TDS) pair had RPDs above the upper control limit. The results were qualified as estimated and were flagged "I".

**Equipment Blanks**: Equipment blanks were collected at the rate of one per day whenever temporary pumps were used for sampling. Equipment blanks were used to assess the effectiveness of sampling equipment decontamination procedures. All equipment blank acceptance criteria were met.

Method Blanks: Method blanks were used to monitor each preparation or analytical batch for contamination throughout the entire analytical process, from sources such as glassware, reagents, and instrumentation. Method blanks were analyzed at the required frequency, and all quality control (QC) criteria were met.

Calibration: Initial calibration and periodic verification are essential to generating defensible analytical data. Periodic calibration verification ensures that the instrument has not been adversely affected by the sample matrix or other instrument failures that would increase or decrease the sensitivity or accuracy of the method. Initial and periodic calibrations were performed as required by the methods. Nineteen Cr(VI) (SW7199) sample results were associated with continuing calibration verification standards that had recoveries less than the lower control limit (LCL). The associated detected and non-detected results were qualified as estimated and were flagged "J" and "UJ." Eleven Cr(VI) (SW7199) sample results and 15 magnesium (SW6010B) sample results were associated with continuing

calibration verification standards that had recoveries greater than the upper control limit. The associated detected results were qualified as estimated and were flagged "J."

Laboratory Control Samples: A laboratory control sample (LCS) measures laboratory accuracy. A high LCS recovery indicates the target analyte in associated samples is likely biased high. Results associated with LCS recovery criteria exceedances are considered to be estimated. Laboratory control samples were analyzed at the required frequency, and were recovered within QC limits, with the following exceptions: five dissolved zinc (SW6020A) results were flagged "J" as estimated concentrations, because the associated LCS recoveries were greater than the upper confidence limit (UCL).

Matrix Spike Samples: Matrix spike recoveries are used to evaluate the effect of the sample matrix on the recovery of target analytes. Matrix spike recoveries outside the QC limits may indicate that the sample's matrix is affecting the method's ability to accurately quantify the target analyte in the associated sample or sample batch. Therefore, when the matrix spike does not meet criteria, results are usually considered to be estimated.

Matrix spike acceptance criteria were met, with the following exceptions: matrix spike recoveries were less than the LCL in BGS-51\_111406 for Cr(VI) (SW7199), calcium (SW6010B), and sodium (SW6010B). The associated detected results were qualified as estimated, and flagged "J." Additionally, the matrix spike recovery was less than the LCL in sample Velazquez-1\_092806 for Cr(VI) (SW7199). The associated detected result was qualified as estimated, and flagged "J."

**Laboratory Duplicates**: Laboratory duplicate acceptance criteria were met for all methods.

**Quantitation and Sensitivity**: All method and analyte combinations met the project reporting limit, quantitation, and sensitivity objectives.

Miscellaneous: The TDS (E160.1) result for sample BGS-22\_102406 was identified as erroneous during data validation. The reported dried weight was greater than the wet weight. The result was not usable and was flagged "R."

## 4.0 Analytical Results

This section presents the final validated analytical results for the four sampling events. These include Cr(T) and Cr(VI), chromium isotopes, and general chemistry/trace metal results.

#### 4.1 Total and Hexavalent Chromium

Background study Cr(T) and Cr(VI) sample results are shown on Figure 4-1. Field duplicate results are not shown on this figure; however, all results are listed in Table 4-1.

Forty-three of the 48 wells sampled during the study exhibited Cr(T) or Cr(VI) detections during at least one of the sampling events. The maximum detected Cr(T) value was  $3.15~\mu g/L$  at BGS-32 during the third sampling event. The maximum detected Cr(VI) value was  $2.69~\mu g/L$  at BGS-47 during the fourth sampling event.

Five of the wells (06E-01, BGS-06, BGS-09, BGS-15, and BGS-24) did not contain Cr(T) or Cr(VI) concentrations above the 1.0 and 0.2  $\mu g/L$  reporting limits, respectively, during any of the sampling events.

### 4.2 Chromium Isotopes

Chromium has four stable isotopes:  ${}^{50}$ Cr,  ${}^{52}$ Cr,  ${}^{52}$ Cr, and  ${}^{54}$ Cr. In an aqueous environment, the lighter isotopes are preferentially reduced first, resulting in an overall chromium composition that becomes progressively enriched with heavier isotopes (Ellis et al., 2002). The measurement of this isotope reduction is annotated as  $\delta^{53}$ Cr, which is the per mil difference in measured  ${}^{53}$ Cr/ ${}^{52}$ Cr relative to that of NIST 979 (an accepted chromium isotope standard).

Chromium stable isotope compositions for the background study were measured at the USGS in Menlo Park, California, which is the only laboratory in the world that currently performs these analyses. The goal of this analysis was to assess the spatial distribution of chromium-stable isotope compositions in groundwater and to investigate whether the results might indicate a site-specific reduction pattern of Cr(VI) along flow paths within the mapped groundwater plume and/or might be used to differentiate anthropogenic Cr(VI) from non-anthropogenic Cr(VI). More details about USGS theory and application for chromium isotope analysis are described in Appendix E, which contains a description of the USGS chromium isotope analysis methodology.

During the second, third, and fourth sampling events, 15 wells in or adjacent to the inferred groundwater plume, including one well (BGS-04) used in the background study, were sampled for analysis of chromium speciation and isotopic composition. These data are provided in Table 4-2 and are shown on Figure 4-2. The USGS was unable to obtain  $\delta^{53}$ Cr results for two low-chromium samples (MW-35 and 01-06).

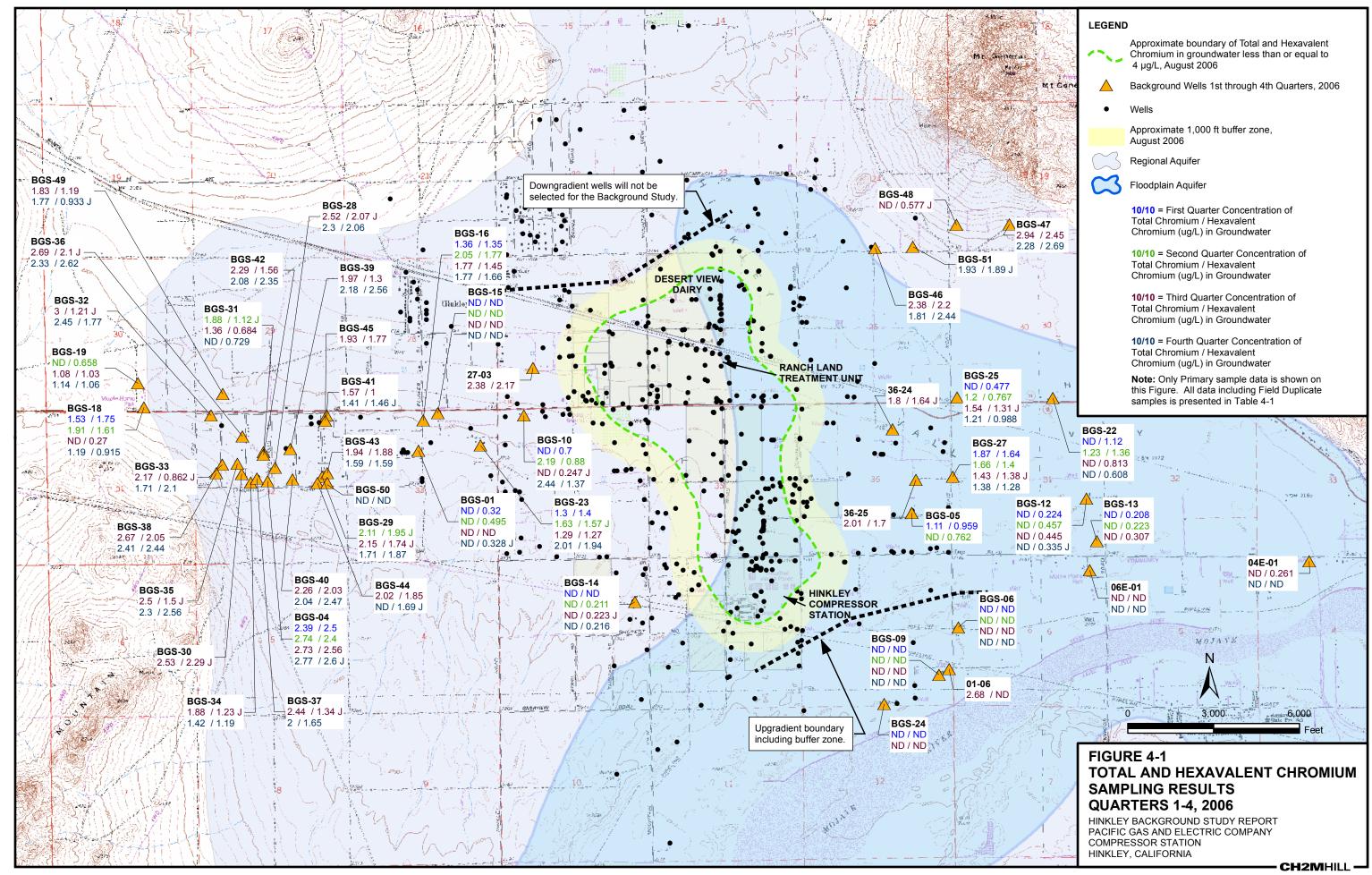


TABLE 4-1 Summary of Background Study Total and Hexavalent Chromium Sampling Results Hinkley Valley Groundwater Background Study Report Hinkley Compressor Station, Hinkley, CA

						Total		
			Depth to	Depth to	Discrete		Hexavalent	
				-		-		
		Samp	-		-			
Qtr.	Sample Date				_			Aquifer Designation
3	07/27/2006		55	78		2.68	ND <0.2 UJ	Upper Aquifer
3	07/25/2006					ND <1	0.261	Unknown
4	10/25/2006					ND <1	ND <0.2	
3	07/24/2006		80	300		ND <1	ND <0.2	Upper & Lower Aquifer
4	10/25/2006					ND <1	ND <0.2	
	10/25/2006	(dup)				ND <1	ND <0.2	
3	07/27/2006					2.38	2.17	Unknown
3	07/27/2006					1.8	1.64 J	Unknown
3	07/27/2006					2.01	1.7	Unknown
1	01/31/2006		90	150		ND <1	0.32	Upper Aquifer
2	04/25/2006					ND <1	0.495	
3	07/25/2006					ND <1	ND <0.2	
4	10/23/2006					ND <1	0.328 J	
1	02/01/2006		83	153		2.39	2.5	Upper Aquifer
2	04/26/2006					2.74	2.4	
	04/26/2006	(dup)				2.87	2.41	
3	07/25/2006					2.73	2.56	
	07/25/2006	(dup)				2.65	2.53	
4	10/23/2006					2.77	2.6 J	
1	01/31/2006					1.11	0.959	Unknown
2	04/25/2006					ND <1	0.762	
1	01/31/2006		100	200		ND <1	ND <0.2	Upper & Lower Aquifer
2	04/26/2006					ND <1	ND <0.2	
3	07/24/2006					ND <1	ND <0.2	
4	10/23/2006					ND <1	ND <0.2	
	10/23/2006	(dup)				ND <1	ND <0.2	
1	01/30/2006					ND <1	ND <0.2	Unknown
2	04/24/2006					ND <1	ND <0.2	
3	07/24/2006					ND <1	ND <0.2	
	07/24/2006	(dup)				ND <1	ND <0.2	
4	10/24/2006	,				ND <1	ND <0.2	
1	01/31/2006					ND <1	0.7	Unknown
2	04/26/2006					2.19	0.88	
3	07/26/2006					ND <1	0.247 J	
4	10/24/2006					2.44	1.37	
1	01/30/2006		86	246		ND <1	0.224	Upper & Lower Aquifer
2								
3	07/24/2006							
4								
1								Unknown
3	07/25/2006					ND <1	0.307	
	3 3 4 3 3 3 3 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 4 4 1 2 3 4 4 4 1 2 3 3 4 4 4 1 2 3 3 4 4 4 3 4 4 3 4 4 4 3 3 4 4 4 3 3 4 4 3 3 4 4 4 3 3 4 4 4 4 1 2 3 3 4 4 4 4 4 1 2 3 3 4 4 4 4 4 4 3 3 4 4 4 4 4 4 4 4 4	3 07/27/2006 3 07/25/2006 4 10/25/2006 4 10/25/2006 3 07/24/2006 4 10/25/2006 3 07/27/2006 3 07/27/2006 3 07/27/2006 3 07/27/2006 1 01/31/2006 2 04/25/2006 4 10/23/2006 1 02/01/2006 2 04/26/2006 07/25/2006 4 10/23/2006 1 01/31/2006 2 04/25/2006 4 10/23/2006 1 01/31/2006 2 04/26/2006 1 01/31/2006 2 04/26/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 4 10/23/2006 1 01/30/2006 4 10/23/2006 1 01/31/2006 2 04/24/2006 3 07/24/2006 4 10/24/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 1 01/31/2006 2 04/26/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 1 01/30/2006 2 04/24/2006 1 01/30/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006 1 01/30/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006	3 07/27/2006 3 07/25/2006 4 10/25/2006 4 10/25/2006 4 10/25/2006 4 10/25/2006 3 07/27/2006 3 07/27/2006 3 07/27/2006 3 07/27/2006 1 01/31/2006 2 04/25/2006 4 10/23/2006 1 01/31/2006 2 04/25/2006 07/25/2006 07/25/2006 1 01/31/2006 2 04/26/2006 07/25/2006 1 01/31/2006 2 04/26/2006 1 01/31/2006 2 04/26/2006 1 01/31/2006 2 04/26/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 4 10/23/2006 1 01/30/2006 2 04/24/2006 3 07/24/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 1 01/31/2006 2 04/26/2006 3 07/24/2006 1 01/31/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006 3 07/24/2006 1 01/31/2006 2 04/24/2006 1 01/31/2006 2 04/24/2006 3 07/24/2006 1 01/31/2006 2 04/24/2006 3 07/24/2006 1 01/31/2006 2 04/27/2006	Qtr.         Sample Date         Type         (ft. bgs)           3         07/27/2006         55           3         07/25/2006         80           4         10/25/2006         80           4         10/25/2006         80           4         10/25/2006         30           3         07/27/2006         30           3         07/27/2006         30           4         01/31/2006         90           2         04/25/2006         90           3         07/25/2006         90           4         10/23/2006         90           2         04/25/2006         90           3         07/25/2006         90           4         10/23/2006         83           2         04/26/2006         83           3         07/25/2006         (dup)           4         10/23/2006         100           4         10/23/2006         100           2         04/26/2006         100           3         07/24/2006         100           4         10/23/2006         100           4         10/23/2006         100           4 </td <td>Qtr.         Sample Date         Top Perf. Interval (ft. bgs)         Bott Perf. Interval (ft. bgs)         Bott Perf. Interval (ft. bgs)           3         07/27/2006         55         78           3         07/24/2006         80         300           4         10/25/2006         80         300           4         10/25/2006         (dup)         300           3         07/27/2006         300         300           3         07/27/2006         300         300           3         07/27/2006         300         300           4         10/25/2006         300         300           3         07/27/2006         300         300           4         10/23/2006         300         300           1         01/31/2006         90         150           2         04/25/2006         300         300           3         07/25/2006         300         300           4         10/23/2006         300         300           4         10/23/2006         300         300           4         10/23/2006         300         300           4         10/23/2006         300         300</td> <td>Qtr.         Sample Date   Type         Top Perf. Interval (ft. bgs)         Bott Perf. (ft. bgs)         Sample Depth (ft. bgs)           3         07/27/2006         55         78           3         07/25/2006         80         300           4         10/25/2006         80         300           4         10/25/2006 (dup)         300         300           3         07/27/2006 (dup)         300         300           3         07/27/2006 (dup)         300         300           3         07/27/2006 (dup)         300         300           4         10/25/2006 (dup)         300         300           3         07/27/2006 (dup)         300         300           4         10/23/2006 (dup)         300         300           5         7         300         300         300           6</td> <td>Qtr.         Sample Date Type         Top Perf. Interval (fit. bgs)         Bott Perf. Interval (fit. bgs)         Sample Depth (fit. bgs)         diss. (6020A) (g/L)           3         07/27/2006         55         78         2.68           3         07/25/2006         80         300         ND &lt;1</td> 4         10/25/2006 (dup)         80         300         ND <1	Qtr.         Sample Date         Top Perf. Interval (ft. bgs)         Bott Perf. Interval (ft. bgs)         Bott Perf. Interval (ft. bgs)           3         07/27/2006         55         78           3         07/24/2006         80         300           4         10/25/2006         80         300           4         10/25/2006         (dup)         300           3         07/27/2006         300         300           3         07/27/2006         300         300           3         07/27/2006         300         300           4         10/25/2006         300         300           3         07/27/2006         300         300           4         10/23/2006         300         300           1         01/31/2006         90         150           2         04/25/2006         300         300           3         07/25/2006         300         300           4         10/23/2006         300         300           4         10/23/2006         300         300           4         10/23/2006         300         300           4         10/23/2006         300         300	Qtr.         Sample Date   Type         Top Perf. Interval (ft. bgs)         Bott Perf. (ft. bgs)         Sample Depth (ft. bgs)           3         07/27/2006         55         78           3         07/25/2006         80         300           4         10/25/2006         80         300           4         10/25/2006 (dup)         300         300           3         07/27/2006 (dup)         300         300           3         07/27/2006 (dup)         300         300           3         07/27/2006 (dup)         300         300           4         10/25/2006 (dup)         300         300           3         07/27/2006 (dup)         300         300           4         10/23/2006 (dup)         300         300           5         7         300         300         300           6	Qtr.         Sample Date Type         Top Perf. Interval (fit. bgs)         Bott Perf. Interval (fit. bgs)         Sample Depth (fit. bgs)         diss. (6020A) (g/L)           3         07/27/2006         55         78         2.68           3         07/25/2006         80         300         ND <1	Name

Hinkley Compressor Station, Hinkley, CA

		Station, Tillikie					Total		
				Depth to	Depth to	Discrete	Chromium,	Hexavalent	
				Top Perf.	Bott Perf.	Sample	diss.	Chromium	
			Samp	Interval	Interval	Depth	(6020A)	(7199)	
Well ID	Qtr.	Sample Date	Type	(ft. bgs)	(ft. bgs)	(ft bgs)	(µg/L)	(µg/L)	Aquifer Designation
BGS-14	1	01/31/2006		80	195		ND <1	ND <0.2	Upper & Lower Aquifer
	2	04/26/2006					ND <1	0.211	
	3	07/26/2006					ND <1	0.223 J	
	4	10/23/2006					ND <1	0.216	
BGS-15	1	01/31/2006		90	120		ND <1	ND <0.2	Upper Aquifer
		01/31/2006	(dup)				ND <1	ND <0.2	
	2	04/26/2006					ND <1	ND <0.2	
	3	07/25/2006					ND <1	ND <0.2	
	4	10/23/2006					ND <1	ND <0.2	
BGS-16	1	01/31/2006		100	200		1.36	1.35	Upper & Lower Aquifer
	2	04/24/2006					2.05	1.77	
	3	07/25/2006					1.77	1.45	
	4	10/23/2006					1.77	1.66	
BGS-18	1	02/01/2006					1.53	1.75	Unknown
	2	04/25/2006					1.91	1.61	
	3	07/25/2006					ND <1	0.27	
	4	10/24/2006					1.19	0.915	
BGS-19	2	04/25/2006					ND <1	0.658	Unknown
	3	07/25/2006					1.08	1.03	
	4	10/24/2006					1.14	1.06	
			(dup)				1.11	1.06	
BGS-22	1	01/30/2006					ND <1	1.12	Unknown
		01/30/2006	(dup)				ND <1	1.08	
	2	04/25/2006					1.23	1.36	
	3	07/24/2006					ND <1	0.813	
	4	10/24/2006					ND <1	0.608	
BGS-23	1	01/31/2006		82	187		1.3	1.4	Upper & Lower Aquifer
	2	04/24/2006					1.63	1.57 J	
		04/24/2006	(dup)				1.48	1.48 J	
	3	07/25/2006	,				1.29	1.27	
			(dup)				1.21	1.22	
	4	10/24/2006	,				2.01	1.94	
BGS-24	1	02/02/2006					ND <1	ND <0.2	Unknown
	2	04/26/2006				60-60	ND <1	ND <0.2	
	2	04/26/2006				100-100	ND <1	ND <0.2	
	2	04/26/2006				140-140	ND <1	ND <0.2	
	3	07/27/2006					ND <1	ND <0.2	
BGS-25	1	01/30/2006		80	400		ND <1	0.477	Upper & Lower Aquifer
	2	04/26/2006					1.2	0.767	
	3	07/26/2006					1.54	1.31 J	
	4	10/23/2006					1.21	0.988	
BGS-27	1	02/02/2006					1.87	1.64	Unknown
	2	04/25/2006					1.66	1.4	
	3	07/26/2006					1.43	1.38 J	
	4	10/24/2006					1.38	1.28	

Hinkley Compressor Station, Hinkley, CA

		T Station, Fillikie	,,				Total		
				Depth to	Depth to	Discrete	Chromium,	Hexavalent	
				Top Perf.	Bott Perf.	Sample	diss.	Chromium	
			Samp	Interval	Interval	Depth	(6020A)	(7199)	
Well ID	Qtr.	Sample Date	Type	(ft. bgs)	(ft. bgs)	(ft bgs)	(µg/L)	(µg/L)	Aquifer Designation
BGS-28	3	07/26/2006					2.52	2.07 J	Unknown
	4	10/25/2006					2.3	2.06	
BGS-29	3	07/26/2006		45	105		2.11	1.95 J	Upper & Lower Aquifer
	3	09/26/2006					2.15	1.74 J	
	4	11/13/2006					1.71	1.87	
BGS-30	3	07/26/2006		99	155		2.53	2.29 J	Upper & Lower Aquifer
		07/26/2006	(dup)				2.48	2.31 J	
BGS-31	3	07/26/2006					1.88	1.12 J	Unknown
	3	09/27/2006					1.36	0.684	
	4	11/13/2006					ND <1	0.729	
BGS-32	3	09/26/2006		73	136		3	1.21 J	Upper & Lower Aquifer
		09/26/2006	(dup)				3.15	1.07 J	
	4	11/15/2006					2.45	1.77	
BGS-33	3	09/26/2006		55	114		2.17	0.862 J	Upper & Lower Aquifer
	4	11/15/2006					1.71	2.1	
BGS-34	3	09/26/2006		42	147		1.88	1.23 J	Upper & Lower Aquifer
	4	11/13/2006					1.42	1.19	
BGS-35	3	09/26/2006					2.5	1.5 J	Unknown
	4	11/15/2006					2.3	2.56	
BGS-36	3	09/26/2006		85	165		2.69	2.1 J	Upper & Lower Aquifer
20000	4	11/13/2006					2.33	2.62	oppor or zonior / (quiior
BGS-37	3	09/26/2006		55	160		2.44	1.34 J	Upper & Lower Aquifer
200 0.	4	11/13/2006			100		2	1.65	oppor a zowor / (quilor
BGS-38	3	09/27/2006					2.67	2.05	Unknown
20000	4	11/13/2006					2.41	2.44	
BGS-39	3	09/27/2006		72	152		1.97	1.3	Upper & Lower Aquifer
200 00	4	11/15/2006			102		2.18	2.56	oppor a zowor / (quilor
BGS-40	3	09/27/2006					2.26	2.03	Unknown
DOO 40	4	11/15/2006					2.04	2.47	Onknown
BGS-41	3	09/27/2006					1.57	1	Unknown
DOO 41			(dup)				1.54	0.957	Onknown
	4	11/14/2006	(dup)				1.41	1.46 J	
	_	11/14/2006	(dup)				1.38	1.42 J	
BGS-42	3	09/27/2006	(dup)				2.29	1.42 3	Unknown
DO0-42	4	11/15/2006					2.29	2.35	CHRIOWII
	+		(dup)				2.06	2.35 2.14	
BGS-43	3	11/15/2006 09/28/2006	(dup)				1.94	1.88	Unknown
DGO-43	4	11/14/2006					1.59		UTINTOWIT
BGS-44	3	09/28/2006					2.02	1.59 1.85	Unknown
DGO-44	4	11/14/2006					2.02 ND <1	1.85 1.69 J	OTINIOWII
DCC 45									Linknown
BGS-45	3	09/28/2006					1.93	1.77	Unknown
BGS-46	3	09/28/2006					2.38	2.2	Unknown
DCC 47	4	11/15/2006					1.81	2.44	Linknown
BGS-47	3	09/28/2006					2.94	2.45	Unknown
	4	11/15/2006					2.28	2.69	

Summary of Background Study Total and Hexavalent Chromium Sampling Results Hinkley Valley Groundwater Background Study Report

Hinkley Compressor Station, Hinkley, CA

Well ID	Qtr.	Sample Date	Samp Type	Depth to Top Perf. Interval (ft. bgs)	Depth to Bott Perf. Interval (ft. bgs)	Discrete Sample Depth (ft bgs)	Total Chromium, diss. (6020A) (µg/L)	Hexavalent Chromium (7199) (μg/L)	Aquifer Designation
BGS-48	3	09/28/2006	71	( ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	( ' ' ' ' ' ' ' ' ' ' ' '	( * * * 5 - /	ND <1	0.577 J	Unknown
BGS-49	3	09/28/2006					1.83	1.19	Unknown
		09/28/2006	(dup)				1.78	1.18	
	4	11/14/2006					1.77	0.933 J	
BGS-50	4	11/13/2006					ND <1	ND <0.2	Unknown
BGS-51	4	11/14/2006		160	200		1.93	1.89 J	Upper & Lower Aquifer

#### Notes:

(dup) = Duplicate field sample

ND = Not detected at reporting limit shown

J = Concentration is estimated based on quality control and data validation criteria

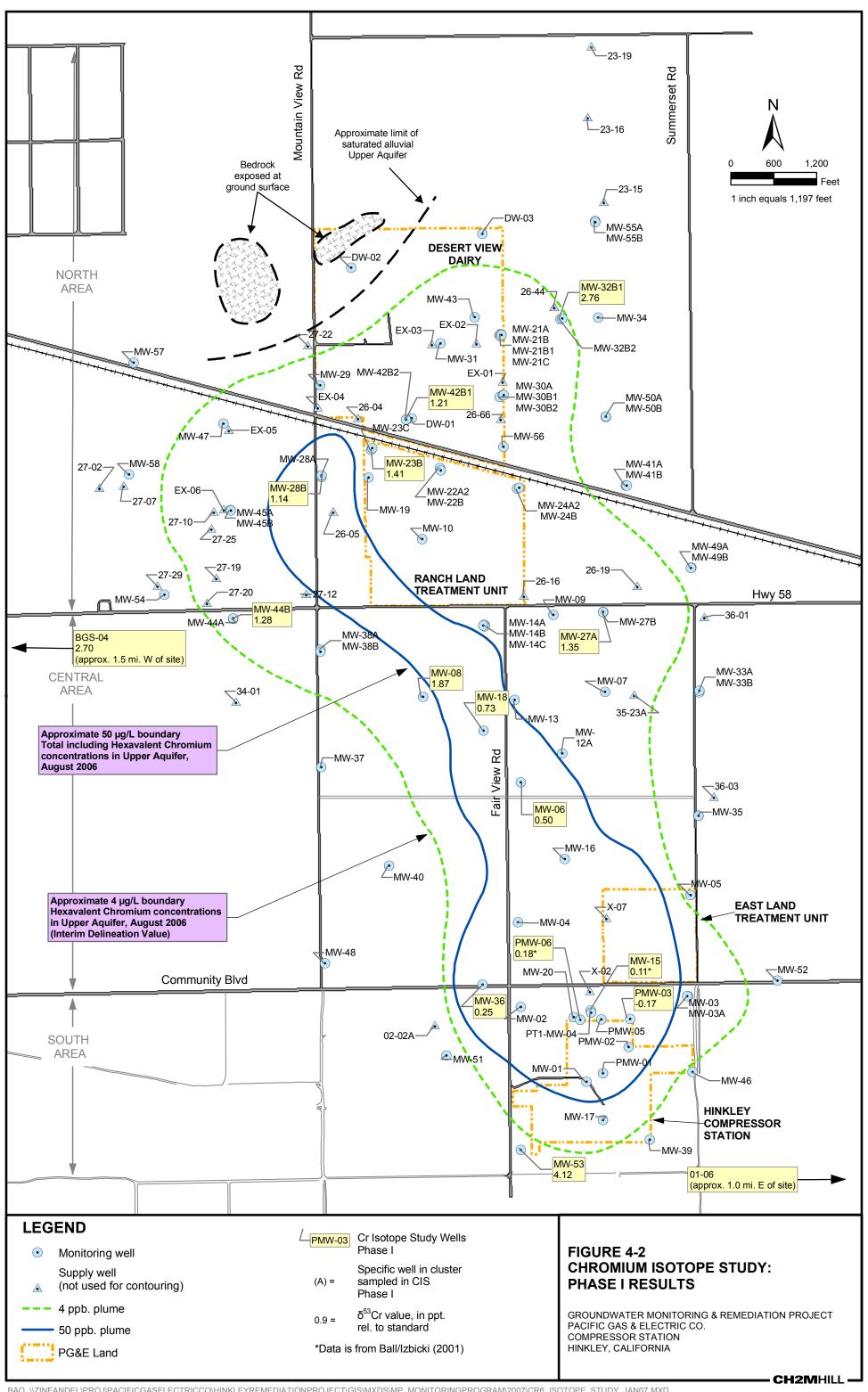
Quarter 1 = February 2006, Quarter 2 = April 2006, Quarter 3 = July-September 2006, and Quarter 4 = October-November 2006.

TABLE 4-2 Summary of Background Study Chromium Isotope Analysis Hinkley Groundwater Background Study Report Hinkley Compressor Station, Hinkley, CA

Sample Designation	Cr conc. (μg/L)*	Cr(VI) (μg/L)*	Cr(II) (μg/L)*	$\delta^{53}$ Cr (per mil, relative to NIST 979)
PMW-03	2775.0	2665.0	110.0	-0.17
MW-36	142	132.5	9.5	0.25
MW-06	106.4	101.6	4.8	0.50
MW-06 - Duplicate	105.6	101.0	4.6	0.70
MW-18	54.5	51.1	3.4	0.73
MW-18 - Duplicate	52.7	49.0	3.7	0.85
MW-18**	2.4	2.1	0.3	3.48
MW-28B	46.1	44.4	1.8	1.14
MW-42B1	33.7	32.2	1.6	1.21
MW-42B1 – Duplicate	33.6	32.8	0.8	1.27
MW-23B	29.7	28.9	0.7	1.41
MW-08	21.2	20.6	0.6	1.87
MW-27A	20.6	19.5	1.1	1.35
MW-44B	17.5	15.4	2.1	1.28
MW-35	6.7	6.4	0.3	N.A.
BGS-04	4.3	3.7	0.6	2.70
MW-32B1	3.6	3.3	0.3	2.76
01-06	1.4	1.3	0.1	N.A.
MW-53	1.2	0.8	0.4	4.12

<sup>\*</sup> All chromium concentrations were determined by the USGS using non-standard extraction procedures.

N.A. = USGS was not able to determine a  $\delta^{53}$ Cr value for this well. \*\* This value rejected from this study, see Section 4-2 for details



Among the remaining 13 wells,  $\delta^{53}$ Cr values ranged from -0.17‰ at PMW-03 (a well located near the compressor station) to 4.12‰ at MW-53 (a well located upgradient from the compressor station). During the sampling events, three field duplicate samples were also analyzed. No formal data quality reviews were run on these samples because the USGS analytical methodology is non-standard. However, an inspection of the sample results indicates that the duplicate results are generally comparable.

One well (MW-18) was originally sampled for  $\delta^{53}$ Cr during the second sampling event. However, the sample results appeared to be incongruous with previous database Cr(T) and Cr(VI) values for MW-18 and were a clear outlier in the isotope progression along the plume. This well was re-sampled during the fourth sampling event, and a confirmation Cr(T) and Cr(VI) sample was sent to the analytic laboratory. The second set of sample results did align with historic chromium values for MW-18. Based on this data, the first MW-18 sample was disregarded in the chromium isotope study.

Chromium speciation and isotope analysis for 13 samples are shown in Table 4-2 and plotted on Figure 4-3 on a traditional  $\delta^{53}$ Cr to Cr(VI) ratio ( $\delta^{53}$ Cr-Cr) concentration diagram.

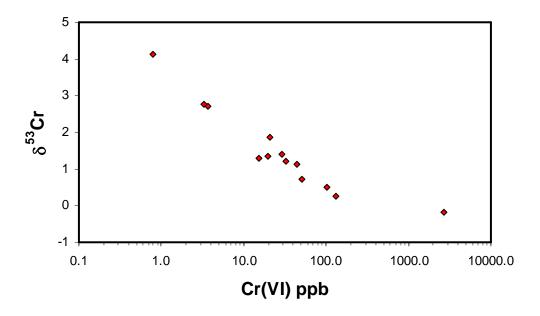


FIGURE 4-3  $\delta^{53}$ Cr-Cr Concentration Diagram, Hinkley Background Study Isotope Samples

The striking feature of this data set is the overall linearity of the array. Specifically, there appear to be two groups of data points: three samples with  $\delta^{53}$ Cr >2‰ and Cr(VI) less than 4  $\mu$ g/L, and 10 samples with  $\delta^{53}$ Cr <2‰ and Cr(VI) greater than 15  $\mu$ g/L. It is unclear whether this grouping reflects a sampling bias or is a real feature of this groundwater system.

Figure 4-4 shows the Rayleigh fractionation line (labeled "Reduction"), which describes the predicted isotope sample distribution if Cr(VI) reduction to Cr(III) were the main reason for

the Cr(VI) reduction observed at the site (Ellis et al., 2002). The reduction line originates at well PMW-03, which is located at the PG&E Hinkley Compressor Station and is representative of the high chromium concentration at the source area.

The "Mixing" line in Figure 4-4 represents the predicted isotope sample distribution if groundwater dilution between the source area groundwater and native groundwater (in this case, represented by well MW-32B1, which is a well on the leading edge of the 4  $\mu$ g/L plume boundary) was the main reason for Cr(VI) reduction at the site.

As can be seen from Figure 4-4, the distribution of chromium isotope data can not be explained by either a fractionation or simple mixing scenario.

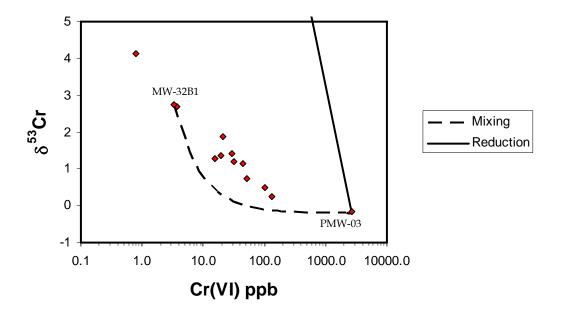


FIGURE 4-4  $\delta^{53}$ Cr-Cr Concentration Diagram with Reduction and Mixing Line, Hinkley Background Study Isotope Samples

In summary, for the Hinkley site, chromium isotope ratios were not useful to delineate the specific degradation pattern within the plume or to differentiate between anthropogenic and non-anthropogenic Cr(VI) in groundwater.

## 4.3 General Chemistry and Trace Metals Results

Forty-eight wells used in the study were sampled for a suite of general chemistry and trace metal analytes. A summary table of results is presented in Appendix G. The purpose of this analysis was to further characterize the Hinkley groundwater and to identify wells that may be geochemically dissimilar from other background wells sampled. The geochemical evaluation is discussed in more detail in Section 5.1.

## 4.4 Discrete-depth Sampling

The chromium results of the discrete depth sampling are provided in Table 4-1. All Cr(T) and Cr(VI) samples were non-detect for these wells.

## 5.0 Data Evaluation

Analytical results from the 48 background study wells were evaluated to determine if data should be eliminated based on geochemistry or other data to suggest the wells is an "outlier." The following section presents this analysis.

It should be noted that no anthropogenic sources of chromium were identified during site reconnaissance or sampling.

## 5.1 Hydrogeochemical Analysis

This evaluation considered groundwater geochemistry, well location relative to the mapped Floodplain and Regional Aquifers, well depth, and lithology (where well construction information was available) to determine each well's suitability for inclusion into the final data set. The geochemical data evaluation included major ion and TDS results for wells located within the interpreted plume boundary where appropriate.

As presented below, no wells were eliminated from the background study based on hydrochemistry or lithologic analysis.

#### 5.1.1 Total Dissolved Solids and Stiff Diagrams

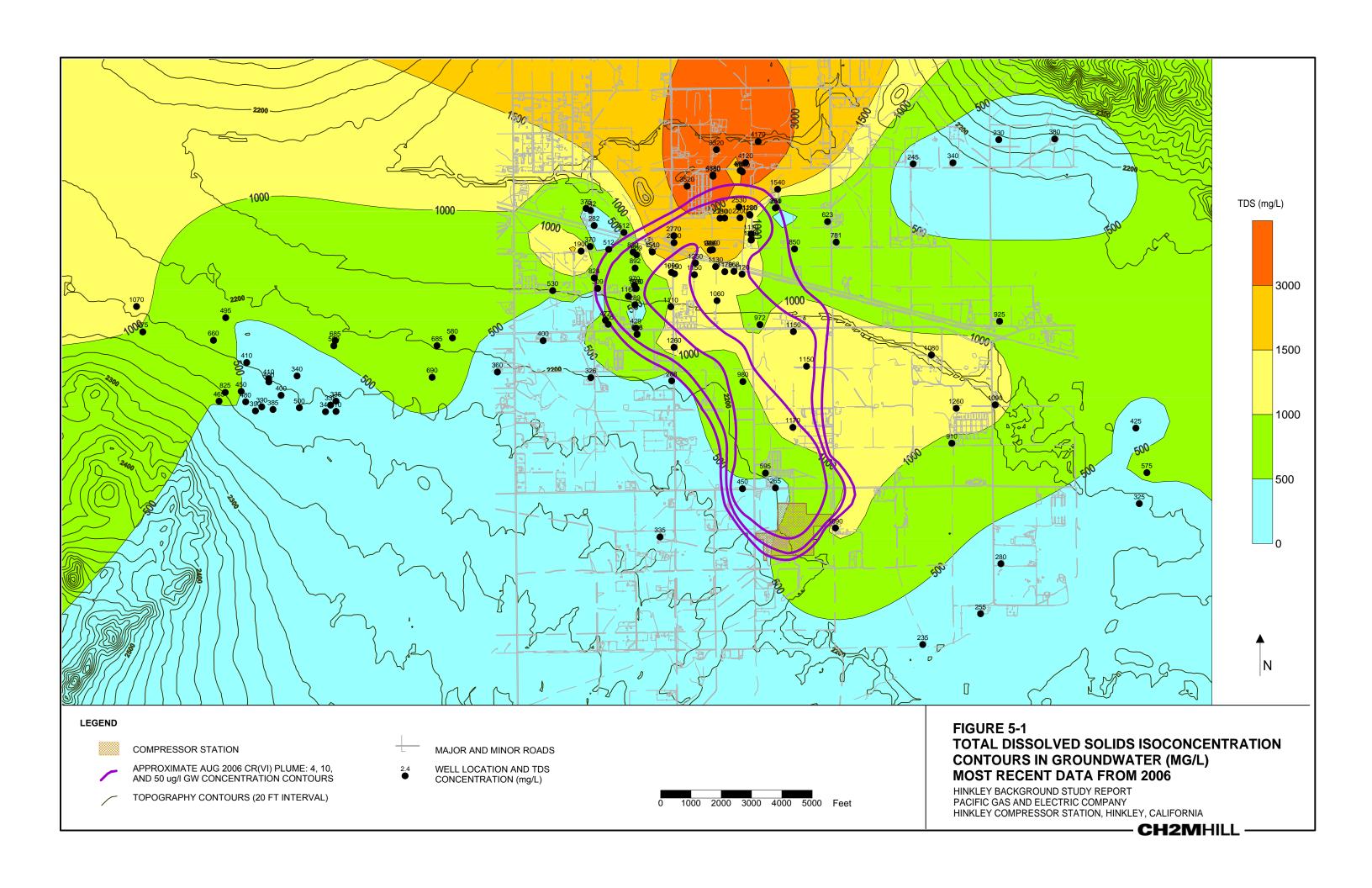
Figures 5-1 and 5-2 present TDS and major cation and anion data as Stiff diagrams across the site, respectively. The following observations may be made based on these two figures:

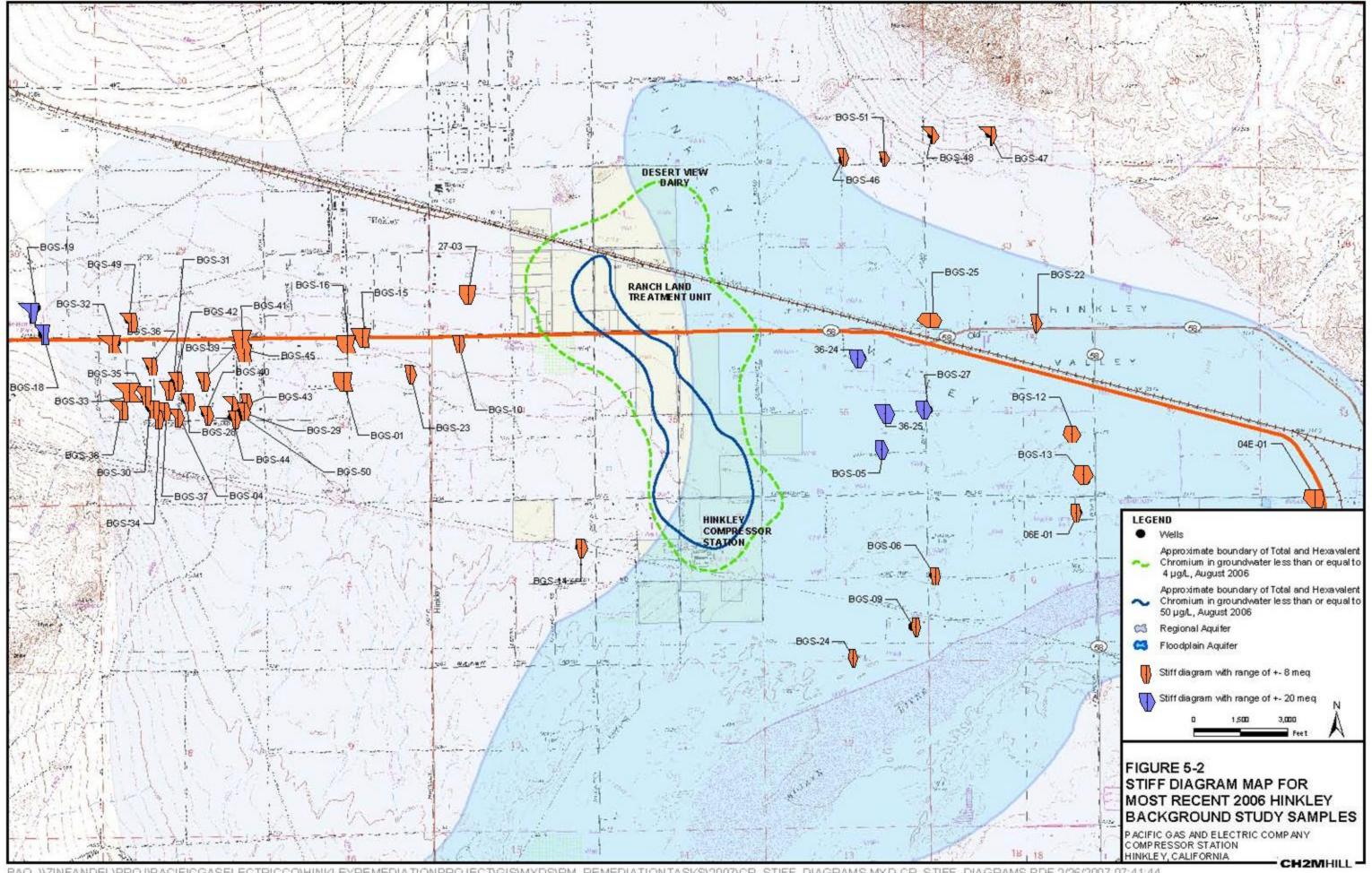
- Concentrations of TDS generally increase to the north with distance from the Mojave River. This is typical of a freshwater recharge system in which low-TDS river water migrates away from the recharge source, accumulating salts and dissolved solids as it passes through the aquifer. This regional trend is obscured somewhat by localized high-TDS areas in the central portion of the study area, which are associated with agricultural operations.
- Wells closest to the river exhibit higher calcium-to-sodium cation ratios than wells located elsewhere in the study area. The highly irrigated area in the center of the Hinkley Valley also exhibits high calcium-to-sodium ratio.
- Wells on either side of the Lockhart Fault indicate similar overall ion and TDS concentrations.

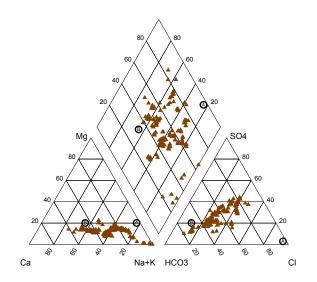
#### 5.1.2 Trilinear Diagrams

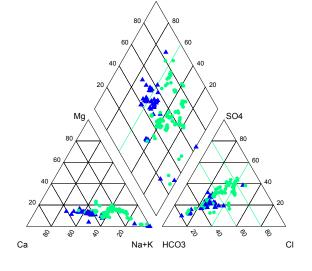
Several Trilinear (Piper) diagrams, shown on Figure 5-3, were prepared to examine geochemical patterns of both well groupings and individual background study wells. The following observations can be made in review of these diagrams:

• The pattern of background study samples indicates a very broad cluster of water compositions, with no dominant groundwater type.







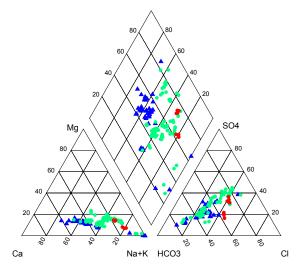


#### Legend

- Hinkley Background Study Samples and Available Agricultural Well Samples from the Hinkley Valley
- A Typical Sea Water Sample for Reference
- B Typical Potable Water Sample for Reference

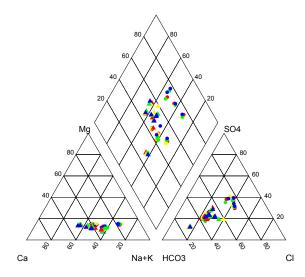
#### Legend

- Floodplain Aquifer Wells
- Regional Aquifer Wells





- ▲ Floodplain Aquifer Wells
- Regional Aquifer Wells
- BGS-18 and BGS-19 Samples



#### Legend

- Floodplain Aquifer Wells, Event 1
  Floodplain Aquifer Wells, Event 2
- Floodplain Aquifer Wells, Event 3
  Floodplain Aquifer Wells, Event 4
- Regional Aquifer Wells, Event 1 Regional Aquifer Wells, Event 2 Regional Aquifer Wells, Event 3
- Regional Aquifer Wells, Event 4

# FIGURE 5-3 TRILINEAR DIAGRAMS SHOWING MAJOR CATION AND ANION CLASSIFICATION FOR HINKLEY BACKGROUND AND SELECTED ADDITIONAL SAMPLES

HINKLEY BACKGROUND STUDY REPORT PACIFIC GAS AND ELECTRIC COMPANY HINKLEY COMPRESSOR STATION, HINKLEY, CA

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- The Floodplain and Regional Aquifers are not distinct but are part of a single population of water that contains a variety of geochemical signatures imparted by the natural groundwater flow path. At some locations, natural conditions are affected by land use and localized irrigation recharge.
- BGS-18 and BGS-19 are unremarkable in location, plotting within the large mass of other wells. There is no geochemical reason to exclude these wells from the background study.
- Seasonal variation among the 14 wells that were sampled during all four sampling events is minimal, as the major ions plot in very similar locations in the Trilinear diagrams during each quarter.

#### 5.1.3 Available Background Study Well Boring Logs

Due to the overall lack of well construction information, no conclusions can be drawn about background chromium concentrations in the Upper Aquifer versus Lower Aquifer. Boring logs for 17 of the 48 study wells were obtained from the Department of Water Resources archives (Appendix H). All known well construction information for these wells is summarized in Table 3-1. The majority of the documented wells have screens that are between 55 and 115 feet long.

Hydraulically, all 17 wells for which boring log information was available are screened across either the Upper Aquifer or both the Upper and Lower Aquifers, including a few wells with notations of bedrock.

#### 5.2 Temporal Evaluation of Background Concentrations

In accordance with the work plan, samples were collected during all four quarters of 2006. Fourteen wells were sampled during all four consecutive events, two wells were sampled during three events, 23 wells were sampled during two events, and nine wells were sampled during one event (Table 3-1).

To evaluate whether there are temporal variations in the data collected in the background study, the 14 wells that were sampled during all four events were evaluated for significant increasing or decreasing trends in the Cr(T) or Cr(VI) concentrations. This evaluation was performed using the Mann-Kendall test (Gilbert, 1987). There are no distributional assumptions in the Mann-Kendall test, which can be viewed as a non-parametric test for a zero slope in the linear regression of time-ordered data versus time.

The results of the Mann-Kendall test (Table 5-1) indicate that only one of the 14 wells (BGS-27) that were sampled during all four events indicate a potential trend in Cr(T) or Cr(VI) concentrations. In this case, the trend was significantly decreasing for both Cr(T) and Cr(VI). Statistically, in a random four-event population of samples using a significance level of 0.05, approximately 5 percent of the samples would be expected to be significantly trending in one direction or the other. In the study samples, 7.1 percent (one in 14) of the cases indicated a significant trend, which is very close to the level (0.05 or 5 percent) of insignificance for the test. Therefore, the results of the Mann-Kendall test indicate a lack of evidence for a temporal trend for those wells sampled during all four sampling events.

TABLE 5-1
Mann-Kendall Trend Evaluation
Hinkley Background Study Wells with Four Quarters of Data, 2006
Hinkley Groundwater Background Study Report
Hinkley Compressor Station, Hinkley, CA

Well	Percent Detects	Probability that the Observed Trend is Due to Random Variation	Decision
Cr(T)	2010013	13.75.75.7	Boolsion
BGS-01	0	-	All Non-Detects
BGS-04	100	0.375	No Significant Change
BGS-06	0	-	All Non-Detects
BGS-09	0	-	All Non-Detects
BGS-10	50	0.271	No Significant Change
BGS-12	0	-	All Non-Detects
BGS-14	0	-	All Non-Detects
BGS-15	0	-	All Non-Detects
BGS-16	100	0.500	No Significant Change
BGS-18	75	0.367	No Significant Change
BGS-22	25	0.500	No Significant Change
BGS-23	100	0.375	No Significant Change
BGS-25	75	0.167	No Significant Change
BGS-27	100	0.045	Significantly Decreasing
Cr(VI)			
BGS-01	75	0.625	No Significant Change
BGS-04	100	0.167	No Significant Change
BGS-06	0	-	All Non-Detects
BGS-09	0	-	All Non-Detects
BGS-10	100	0.375	No Significant Change
BGS-12	100	0.625	No Significant Change
BGS-14	75	0.167	No Significant Change
BGS-15	0	-	All Non-Detects
BGS-16	100	0.375	No Significant Change
BGS-18	100	0.154	No Significant Change
BGS-22	100	0.154	No Significant Change
BGS-23	100	0.375	No Significant Change
BGS-25	100	0.167	No Significant Change
BGS-27	100	0.045	Significantly Decreasing

A site-wide ANOVA test could not be completed on the background data set because of the large influx of wells sampled during only the third and fourth sampling events.

#### 5.3 Well Averages

The expansion of the background study well list after the second sampling event has the potential to introduce bias into the overall summary statistics due to the unbalanced nature of the data set (i.e., four quarters of data are not available for all wells). To restrict this bias, the average Cr(T) and Cr(VI) concentrations from each well were used, including either one, two, three, or four data points. This approach prevents bias by any particular well over another since each well is represented by a single result.

From this point forward, the average result for each well is used in the statistical analysis of the study data.

#### 5.4 Evaluation of Mathematical Outliers

For both Cr(T) and Cr(VI), the well average data were evaluated for mathematical outliers. Per United States Environmental Protection Agency (USEPA) guidance (USEPA, 2000), Rosner's test was applied since there were 25 or more (48) results available. This test is based on an assumption of normality for those concentrations remaining after the statistical outliers are excluded. Thus, various transformations were considered to achieve the best adherence to normality (based on the Shapiro-Wilk test) for the remaining concentrations (Gilbert, 1987; USEPA, 2000). All data were transformed using one of three transformations, including the square root transformation, the cubic root transformation, and the natural logarithmic transformation. The logarithmic transformation is a standard transformation in environmental applications, while the square root and cubic root offer options appropriate when intermediate levels of skewness are present in the data.

The results of this evaluation indicated that no mathematical outliers were present. Even when the test was restricted to untransformed data (an approach that produces more outliers than when more skewed transformations are employed), there were no mathematical outliers.

These findings are supported by the probability plots shown in Figures 5-4 and 5-5 for Cr(T) and Cr(VI), respectively. Probability plots graph the actual concentrations versus the expected quantiles if the data were normal. In these plots, the quantiles used are the number of standard deviations from zero. These graphs serve the purpose of plotting each of the ascending concentrations, so discontinuities can be viewed with limited overlap. Detected concentrations are plotted as closed circles, while non-detects (one-half the reporting limit) are plotted as open circles.

No false values or clusters of values move up in concentration away from the others. Instead, the concentrations appear to represent a smooth curve. This result supports the conclusion that no mathematical outliers are present in the data set.

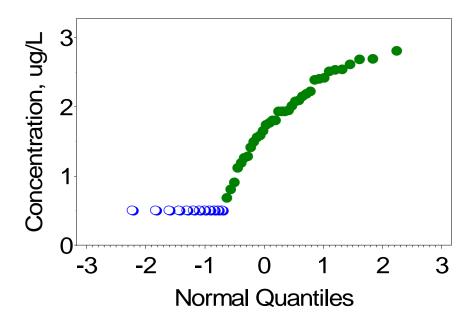


FIGURE 5-4
Probability Plots for Cr(T) Concentrations
Open blue circles represent one-half the reporting limit; closed green circles represent detected concentrations.

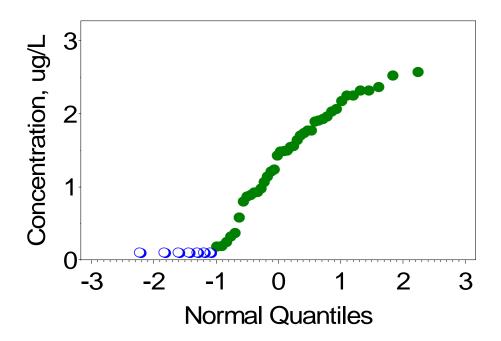


FIGURE 5-5
Probability Plots for Cr(VI) Concentrations
Open blue circles represent one-half the reporting limit; closed green circles represent detected concentrations.

## 5.5 Final Background Study Data Set

Using the conclusions drawn from the analyses presented in this section, the final background data set included well averages from all wells sampled in the Target Background Study Area.

This final data set comprises geographically distinct samples collected from geologically variable materials that would be expected to produce site-specific variations in groundwater chemistry. Therefore, the data set appears to be representative of the study area in the Hinkley Valley.

# 6.0 Background Concentrations

This section provides the methodology used to estimate background values for Cr(T) and Cr(VI) in groundwater in the study area and compares the calculated values with other chromium studies previously performed in the Mojave Desert. Additional information on statistical procedures used in this evaluation is provided in Appendix I.

### 6.1 Method for Calculating 95th Percent Upper Tolerance Limit

Per the work plan, the 95<sup>th</sup> percent/95<sup>th</sup> percent background UTL was calculated for Cr(T) and Cr(VI) – that is, an upper bound (with 95 percent confidence) of the background 95<sup>th</sup> percentile (CH2M HILL, 2004a).

Mean and standard deviation values were calculated using a maximum likelihood estimate (MLE) (USEPA, 2006). An MLE provides the most likely estimate of the true parameter (e.g., the mean) of a population from which sample data are available. For the Hinkley Groundwater Background Study, the Newton-Raphson method (USEPA, 2006) was used to calculate adjustments for the mean and standard deviation for Cr(T) and Cr(VI). This method depends on an assumption of normality (see Appendix I) and provides appropriate adjustments for non-detects without applying proxy values. The detected concentrations, along with the number of detects and non-detects, were used to provide an estimate of the mean and standard deviation. Statistical methods are discussed in Appendix I.

Normal 95<sup>th</sup> percent UTLs for Cr(T) and Cr(VI) were calculated using the following equation:

$$UTL = \overline{x} + (K \times s) \tag{1}$$

where:

 $\bar{x}$  is the sample mean.

K is the tolerance factor.

s is the sample standard deviation.

#### 6.2 Background Value

Summary statistics for Cr(T) and Cr(VI) are provided in Table 6-1. The statistics include:

- Number of detects, number of samples, mean, median, standard deviation, minimum detect, maximum detect, and percent detects for all well averages.
- 95th percent UTLs for Cr(T) and Cr(VI), based on the data collected during this study.

TABLE 6-1 Summary Statistics for Cr(T) and Cr(VI) Using Well Averages (µg/L) Hinkley Groundwater Background Study Report Hinkley Compressor Station, Hinkley, CA

Parameter	Median	Mean <sup>a</sup>	Standard Deviation <sup>a</sup>	Number of Detects	Number of Samples	Percent Detects	Minimum Detect	Maximum Detect	Normal 95/95 UTL <sup>b</sup>
Cr(T)	1.69	1.52	0.824	36	48	75	0.683	2.8	3.23
Cr(VI)	1.45	1.19	0.915	41	48	85	0.181	2.57	3.09

<sup>&</sup>lt;sup>a</sup> The mean and standard deviation were calculated using a maximum likelihood method (USEPA, 2006)

The UTLs calculated in this study are  $3.23 \,\mu\text{g/L}$  for Cr(T), and  $3.09 \,\mu\text{g/L}$  for Cr(VI) (Table 6-1). These UTL values are considered valid values for wells in the Hinkley Valley.

As discussed in Section 3.4, the SW6010B/6020A method used for Cr(T) has an uncertainty of +/- 25 percent from the true value. The SW7199 method for analyzing Cr(VI) has an uncertainty of +/- 15 percent from the true value. In order to account for these analytic uncertainties, 25 and 15 percent have been added to the 95th percent UTL values for Cr(T) and Cr(VI), respectively, that were calculated above. These final threshold background values are  $4.04 \, \mu g/L$  for Cr(T), and  $3.55 \, \mu g/L$  for Cr(VI).

#### 6.3 Comparison to Other Chromium Studies

This section is provided to compare the results of this study with previous studies of naturally-occurring chromium concentrations that have been performed in the Mojave Desert and adjacent areas. The studies that were considered include:

- California Department of Health Services (CDHS) sampling results, as of April 2004, for Cr(VI) in public supply wells in California (CDHS, 2004).
- Topock background study recommendations (CH2M HILL, 2007a).
- Evaluation of Cr(VI) in the southwestern portion of the Mojave Basin, which includes the Hinkley area (USGS, 2004).
- Other regional studies.

Statewide Drinking Water Monitoring Program for Cr(VI): The CDHS adopted a regulation adding Cr(VI) to the list of unregulated chemicals requiring monitoring, effective January 3, 2001 (CDHS, 2004). As a result of this regulation, public water systems across the state have been monitoring for Cr(VI) using the analytical Method 7199, with a detection limit of 0.2  $\mu$ g/L. Results of monitoring 6,400 drinking water sources (as of April 7, 2004) showed Cr(VI) detections at or above 5  $\mu$ g/L in about one-third of the tested sources. Occurrence is mostly at low (<10  $\mu$ g/L) levels, with 87 percent having peak concentrations at or below 10  $\mu$ g/L (CDHS, 2004). Table 6-2 presents statistics for the most recent available data collected in April 2004.

<sup>&</sup>lt;sup>b</sup> The Normal UTL is the recommended background threshold value as discussed in Appendix I.

TABLE 6-2 Statistics for Cr(VI) Data Collected by CDHS in April 2004 Hinkley Groundwater Background Study Report Hinkley Compressor Station, Hinkley, CA

Value	California	San Bernardino County
Maximum	524.0	85.0
Minimum	0.0	0.1
Median	3.5	3.5
Average	6.0	5.8

Units are µg/L.

Topock Background Evaluation: The groundwater background study for the PG&E Topock Compressor Station site employed a methodology similar to the Hinkley Background Study. The Topock study was completed to assess the range of naturally-occurring background concentrations of Cr(T) and Cr(VI) in groundwater, using data collected from 25 existing wells near the PG&E Topock gas compressor station over a 1-year period. The groundwater background concentrations were estimated using the 95th percent UTL. The 95th percent UTL was calculated for Cr(T) and Cr(VI), assuming a non-parametric distribution. The calculated 95th percent UTLs for Cr(T) and Cr(VI) were 34.1 and 31.8  $\mu$ g/L, respectively (see Table 6-3).

**2004 USGS Study to Establish Background Chromium Concentrations in Mojave Desert Area**: The USGS published preliminary data results for naturally-occurring Cr(VI) concentrations in groundwater within the southwestern portion of the Mojave Groundwater Basin (Ball and Izbicki, 2004).

This study, which was funded by the USEPA for the California Department of Toxic Substance Control, will be used to establish background levels of Cr(VI) in the southwestern portion of the Mojave Basin, particularly for the El Mirage area (Aerojet facility). The area used to establish the background concentrations included the Hinkley area, but Hinkley plume data were excluded.

Based on this study, Cr(VI) concentrations were found to be lower near mountain-front recharge areas and in discharge areas near dry lakes. Concentrations of Cr(VI) increased downgradient from recharge areas, as long as dissolved oxygen was present. The highest Cr(VI) concentrations (up to  $60~\mu g/L$ ) were detected in water from wells completed in alluvial deposits comprising weathered mafic rocks, such as the Sheep Creek fan. Concentrations as high as  $36~\mu g/L$  were detected in alluvial deposits weathered from less mafic granitic, volcanic, and metamorphic rock (Ball and Izbicki, 2004).

Using this data set, a preliminary regional background level for Cr(VI) of  $27 \,\mu g/L$  was determined for Mojave Desert aquifers that are not located in mafic rock materials (CH2M HILL, 2004a).

USGS Mojave<sup>b</sup> (using only groundwater data

436

NM

TABLE 6-3 Hinkley Background Results Compared to Published Studies within Region Hinkley Valley Groundwater Background Study Report Hinkley Compressor Station, Hinkley, CA

Study	Hinkley Background Study Mean	Hinkley Background Study UTL	Topock <sup>a</sup> Background Study Mean	Topock <sup>a</sup> Background Study UTL	from wells in granitic and volcanic rocks) UTL
Cr(T)	1.54	3.23	9.37	34.1	not calculated
Cr(VI)	1.26	3.09	7.80	31.8	27
Study	ADEQ <sup>c</sup> Sacramento Valley Study Mean	RASA <sup>d</sup> Program Mean	RASA <sup>d</sup> Program Standard Deviation	RASA <sup>d</sup> Program Range	RASA <sup>d</sup> Program: Number of Samples Collected

30.7

NM

0-300

NM

#### Notes:

Cr(T)

Cr(VI)

NM = Not measured; MRL = Method Reporting Limit; Zero values in RASA range are as reported (no detection limit provided)

All concentrations in µg/L

42

NM

10.3

NM

The study of Ball and Izbicki (2004) conducted in the Mojave Desert, CA reported a range in Cr(VI) from <0.1 to 60  $\mu$ g/L with a median of 5.5  $\mu$ g/L. See text for further description.

Other Studies of Background Chromium Values: Other studies of trace metal groundwater chemistry in this region are available in the technical literature. One is Arizona Department of Environmental Quality's (ADEQ's) groundwater quality study of the Sacramento Valley (ADEQ, 2001), which is the groundwater basin immediately to the east of the Mojave Valley. The second is a broader study by the USGS of southwestern United States groundwater basins, named the Southwest Alluvial Basins, Regional Aquifer System Analysis (RASA) Study (Robertson, 1991). This latter study included data collected from 72 basins in central and southern Arizona, southeastern California and Nevada, and western New Mexico. These two studies provide a broad comparison of regional trace element data with data collected during the Hinkley background study.

Table 6-3 compares mean values and 95<sup>th</sup> percent UTLs for Cr(T) and Cr(VI) from the Hinkley background study with concentrations from other investigations (ADEQ, 2001; Robertson, 1991; Ball and Izbicki, 2004).

<sup>&</sup>lt;sup>a</sup> CH2M HILL, 2007 Topock Background Study, Step 3&4 Results

<sup>&</sup>lt;sup>b</sup> Ball & Izbicki, 2004, as presented in the 2004 Hinkley Background Study Work Plan

<sup>&</sup>lt;sup>c</sup> ADEQ Open File Report June 2001. Ambient Ground Water Quality of the Sacramento Valley Basin: A 1999 Baseline Study.

<sup>&</sup>lt;sup>d</sup> RASA = Regional Aquifer-System Analysis (Robertson, 1991); zero mean values not explained, but are assumed to indicate >50% below MRL.

Overall, mean chromium concentrations and calculated UTLs in the Hinkley groundwater background study are lower than chromium concentrations found in other site-specific studies.

## 7.0 Conclusions and Recommendation

This report satisfies requirements for a chromium background study of groundwater in the vicinity of PG&E's Hinkley natural gas compressor station and the associated chromium plume. The analytical results for all wells in the data set were analyzed for hydrogeochemical similarities, temporal trends, potential mathematical outliers, and data set balance to ensure that each sample could be considered representative of the study area. No samples were eliminated from the background data set. Forty-three of the 48 wells sampled during the study exhibited Cr(T) or Cr(VI) detections during at least one of the sampling events. The maximum detected Cr(T) value was 3.15  $\mu g/L$  at BGS-32 during the third sampling event. The maximum detected Cr(VI) value was 2.69  $\mu g/L$  at BGS-47 during the fourth sampling event.

The background study data set included wells within the Target Background Study Area where access was granted for sampling. The background study wells comprise a geographically and geologically diverse data set that encompasses many variations in groundwater chemistry. The data are representative of groundwater in the study area of the Hinkley Valley.

Analysis of temporal variation in 14 wells represented by four quarters of data did not indicate seasonal variation. Geochemical signatures of major ions for these 14 wells also indicated little seasonal variation.

For the Hinkley site, chromium isotope ratios were not useful to delineate the specific degradation pattern within the plume or to differentiate anthropogenic versus non-anthropogenic concentrations of Cr(VI).

Average Cr(T) and Cr(VI) well values were used in the statistical analysis. This approach prevents bias of any particular well's data set over another since each well is represented by one average result instead of by the actual number of samples taken at that well. This approach has the added effect of dampening the effects of the most elevated values in the sample set by averaging those results with lower results from other sampling events.

Using the well averages, the calculated 95th percent UTLs are 3.23  $\mu$ g/L for Cr(T), and 3.09  $\mu$ g/L for Cr(VI).

The recommended background threshold values are  $4.04 \,\mu g/L$  for Cr(T), and  $3.55 \,\mu g/L$  for Cr(VI). These values are based on the  $95^{th}$  percent UTL, plus the percent uncertainty introduced by the analytic methods used in Cr(T) and Cr(VI) analysis.

These background threshold Cr(T) and Cr(VI) values represent site-wide background values for long-screened wells in the study area of the Hinkley Valley.

Mean chromium concentrations and calculated 95th percent UTLs for the Hinkley groundwater background study are lower than chromium concentrations found in other studies.

If chromium concentrations above these values are found in the future, a closer examination of the local geochemical environment would be necessary to determine whether the sample concentration is natural or anthropogenic in nature. It would be statistically appropriate to compare the UTL values to well averages for up to four quarters of data.

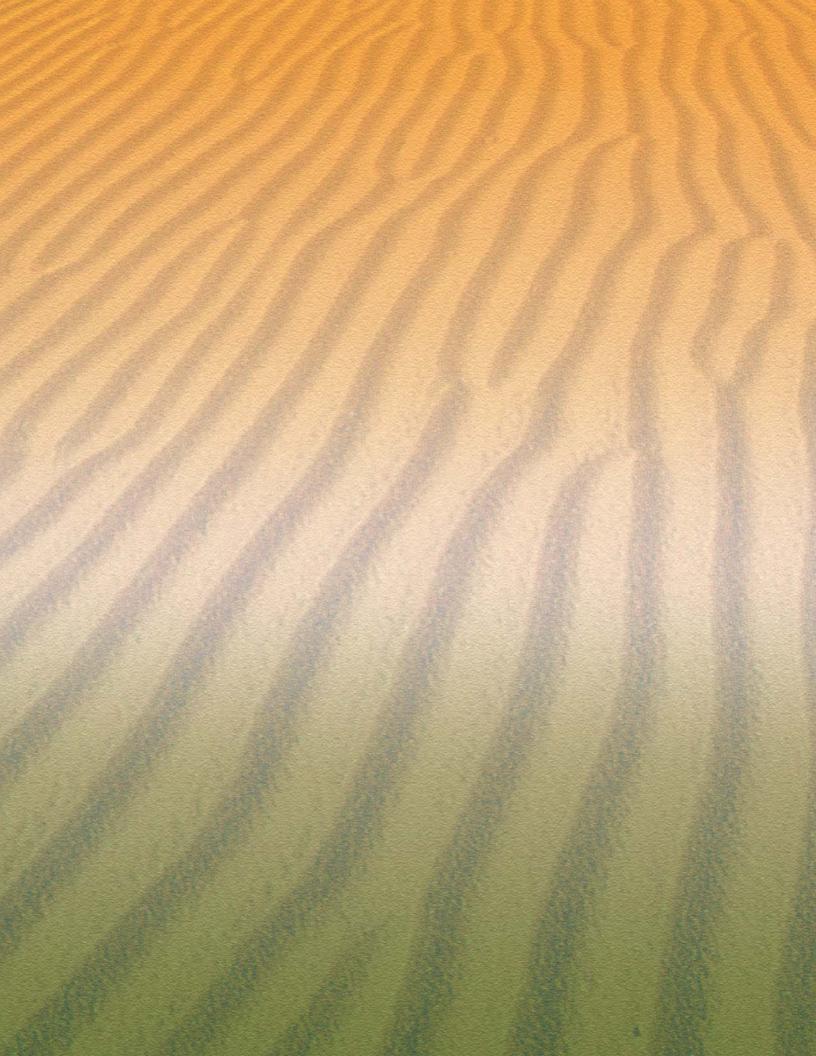
**Recommendation**: No additional data collection activities are recommended at this time. However, future evidence may indicate additional analysis is appropriate.

## 8.0 References

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# Appendices

# Groundwater Background Study Report

# Hinkley Compressor Station, Hinkley, California

Prepared for

## Pacific Gas and Electric Company California Gas Transmission

February 28, 2007

Oakland, CA 94612



A 10 A
Appendix A
Wind Rose Diagrams

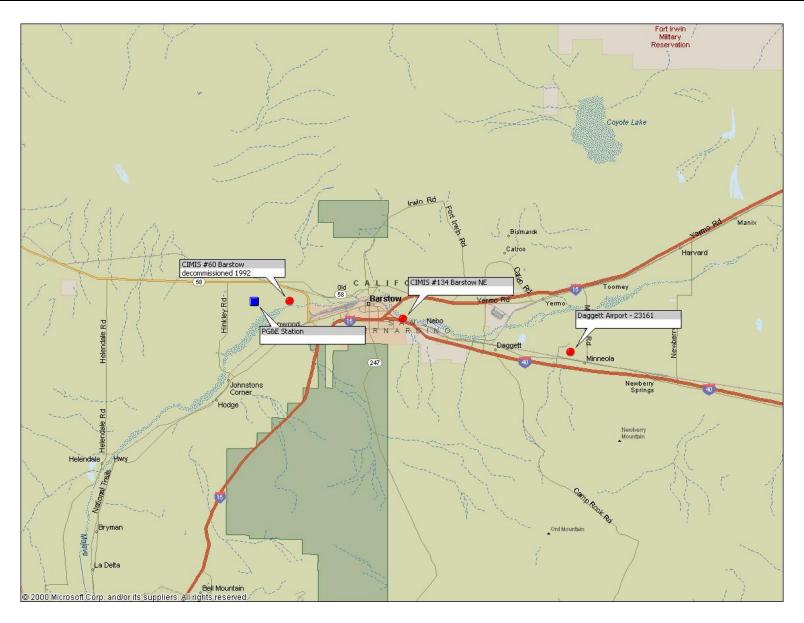
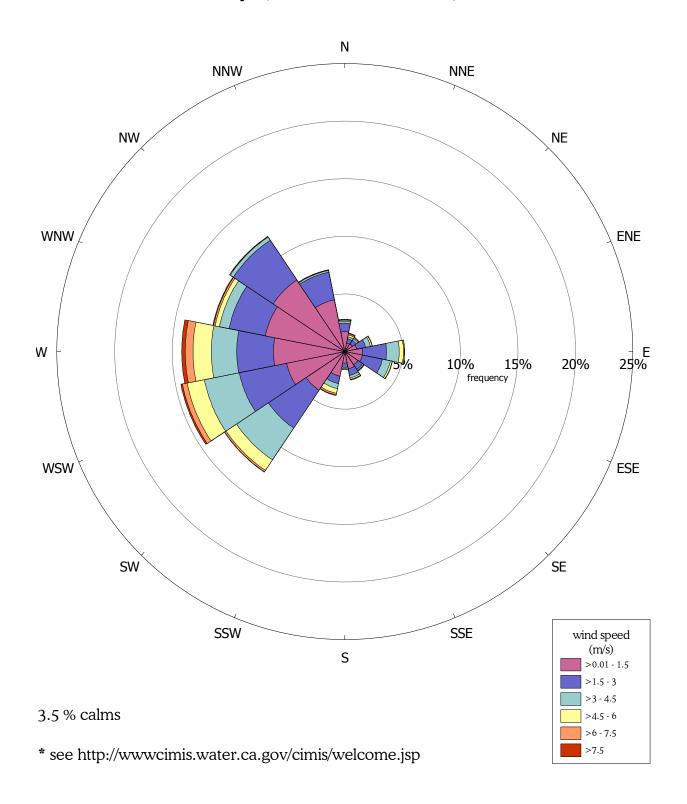


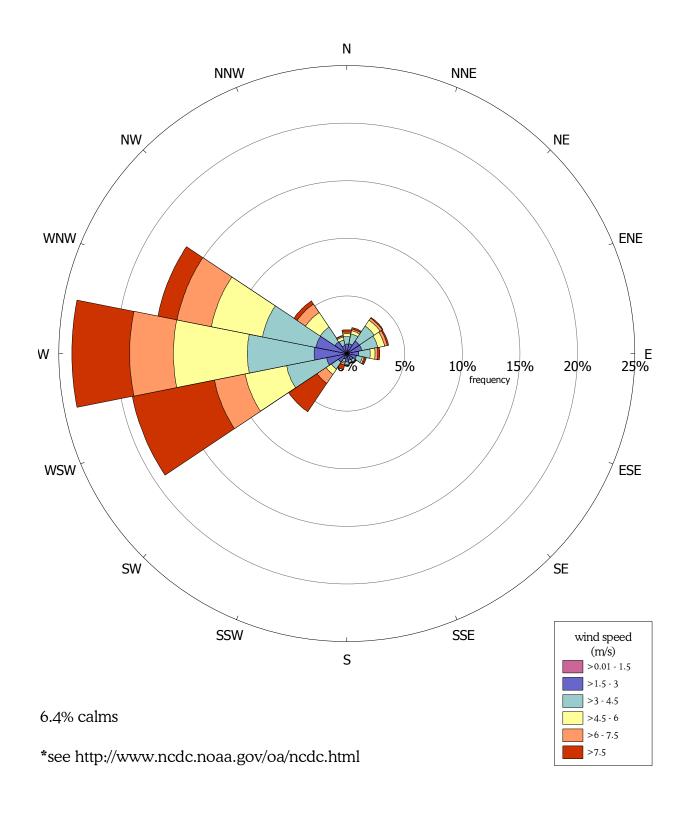
FIGURE A-1 Wind Rose Diagram Locations, Barstow, CA

BAO\070590002

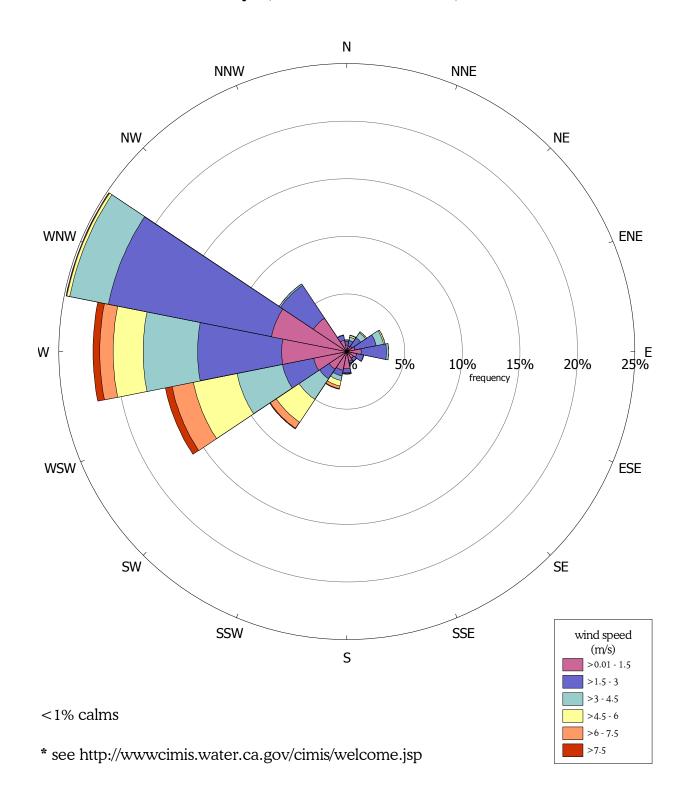
Barstow
DWR CIMIS Station #60\*
January 1, 1987 - December 31, 1991

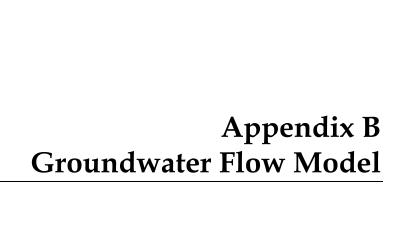


Daggett, California January 1, 1989 - December 31, 1993 from National Climatic Data Center\*



Barstow NE DWR CIMIS Station #134\* January 1, 1998 - December 31, 2004





#### APPENDIX B

## **Numerical Groundwater Flow Model**

The numerical groundwater flow model previously developed for the Hinkley Remediation project was used to evaluate the water budget of the Hinkley Valley, as encompassed by the model domain.

#### **B.1** Groundwater Flow Model

A regional three-dimensional groundwater flow model of the Hinkley Valley was developed as a tool to estimate changes in groundwater conditions due to predicted stresses (anthropogenic and natural) on the local groundwater system. The current numerical model is based in part on a combination of a large-scale basin model of the Mojave River Basin developed by the United States Geological Survey (USGS, 2001) and a previous groundwater flow model developed for the Hinkley site (Alisto, 1998).

The regional groundwater flow model was developed using a three-dimensional, finite-difference model code known as MODFLOW (USGS, 1988). The model is supported by "Groundwater Vistas," which is a software package that supports the MODFLOW code.

#### B.1.1 Model Grid

MODFLOW simulates groundwater flow in aquifer systems using the finite-difference method. Using this method, the model domain is discretized into rows, columns, and layers that form cells. When overlain on a map of the study area, each cell represents a small part of the region. Each cell is assigned a series of parameters that relate to the average aquifer properties and stresses for that particular region. As the cell size increases, the parameter values describing the actual aquifer properties, which vary over the cell area, become more generalized. The finite-difference grid used in this model consists of 386 rows, 384 columns, and six layers, totaling 763185 active cells (Figure 2-5 main text). Both rows and columns have variable spacing and vary between 1,000 feet wide in the outer portions of the model and 25 feet wide in the central portion of the model. Cells representing smaller areas allowed for a more detailed approximation of the flow system.

#### **B.1.2 Model Layers**

The majority of Hinkley Valley is underlain by two distinct aquifer units separated by a clay lacustrine unit, referred to as the Blue Clay unit due to its unique color. The Upper Aquifer consists of interbedded gravels, sands, silts, and minor amounts of clay. The Lower Aquifer consists of older alluvium deposits and/or weathered or fractured bedrock. The Blue Clay is about 20 to 50 feet thick in most of the Hinkley Valley, but pinches out within the distal end of the plume and is not present to the west, and is not present within a few to several hundred feet of the current Mojave River channel (Figure B-1, Extent of Blue Clay).

Hydrostratigraphy of the Hinkley Valley is represented in the regional groundwater flow model with six layers. In areas where the blue clay is present, the classification is simple:

Layers 1, 2 and 3 represent the Upper Aquifer, Layer 4 is the Blue Clay unit, and Layer 5 represents the Lower Aquifer, and Layer 6 represents low permeability, competent bedrock. In the area northwest of the plume, the properties of Layer 4 transition from those of the Blue Clay to those of the Upper Aquifer in this region. In the area surrounding the Mojave River channel, the properties of Layer 4 also transition to those of the Upper Aquifer.

#### **B.1.3 Boundary Conditions**

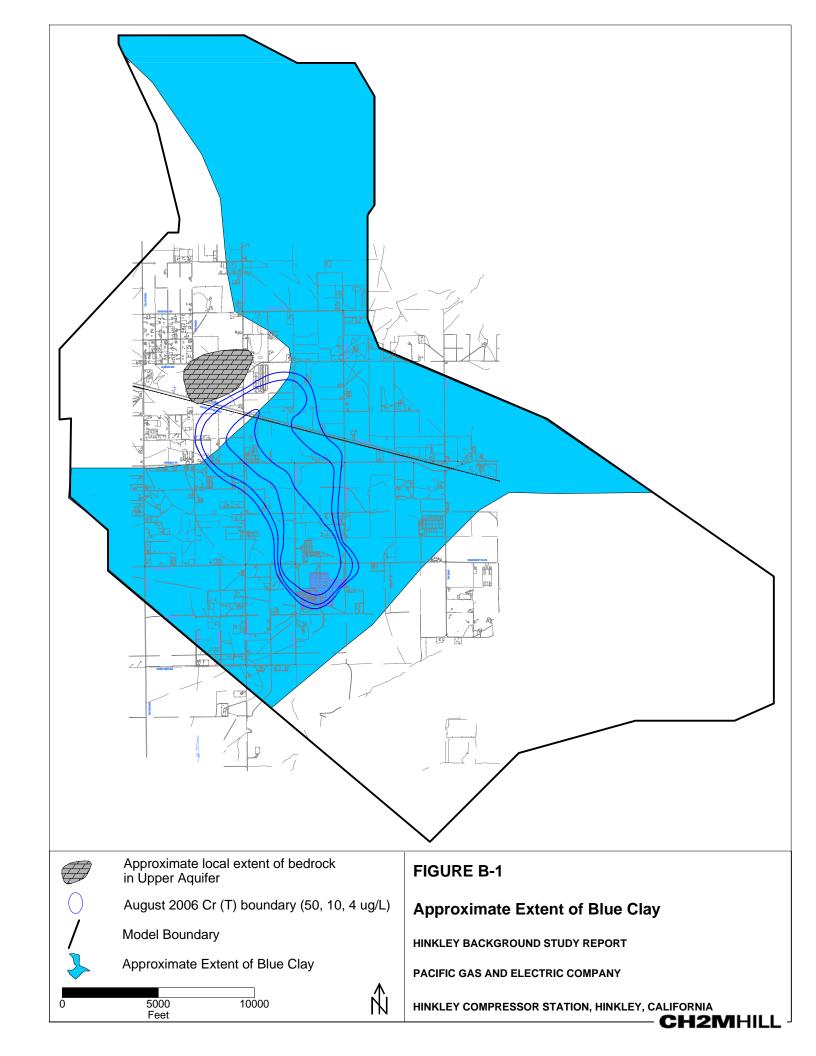
The aerial extent of the model roughly coincides with the natural boundaries of the Hinkley Valley (Figure 2-5 in the main text). Accurate representation of the Valley's natural boundaries in the numerical model is required to accurately simulate the basin-wide groundwater flow patterns and provide reasonable simulated responses to stresses. Figure 2-5 shows the locations of the boundary conditions. Groundwater enters the southern model area from the Mojave River floodplain aquifer and the alluvial fan structure west of the river. These boundaries and the eastern portion of the Mojave floodplain aquifer, where flow is directed towards Barstow, are represented as general head boundaries. Water exits the Hinkley Valley to the north via a constant head boundary, representing subsurface outflow to the Harper Valley. The Mojave River periodically flows within the model domain, and recharge from the river is simulated using injection wells. No-flow boundaries are used along the western, eastern and southeastern margins of the model domain. These boundary conditions are summarized in Table B-1.

TABLE B-1 Water Budget Components Used in Hinkley Numerical Model Hinkley Compressor Station, Hinkley, CA

Budget Component	Description
IN: Change in storage	From falling groundwater levels
IN: Wells	Injection wells are used to simulate inflow to the groundwater system from the Mojave River when it flows and from Lenwood intentional recharge
IN: Head Dependent Boundary	Groundwater inflow from Mojave River channel and Alluvial Fan (southern model boundary)
IN: Recharge	Deep percolation of agricultural and domestic applied water
OUT: Change in storage	From rising groundwater levels
OUT: Wells	Groundwater pumping
OUT: Head Dependent Boundary	Groundwater flow toward Barstow (east, Mojave River channel)
OUT: General Head Boundary	Groundwater outflow toward Harper Lake (north)
INTERNAL: Lockhart Fault zone	Flux through the fault zone
INTERNAL: East of bedrock outcrop	Flux to the east of the outcrop at the distal end of the plume
INTERNAL: West of bedrock outcrop	Flux to the west of the outcrop at the distal end of the plume

#### **B.1.4 Model Calibration**

The model was recalibrated after the 2006 drilling program. The assumed properties of the regional groundwater flow model were adjusted locally such that simulated hydraulic heads matched measured groundwater elevations for the simulated period. During model calibration the assumed aquifer properties (e.g., hydraulic conductivity and storage coefficients) were further adjusted within reasonable bounds to match simulated drawdown with drawdown observed in numerous aquifer tests performed at the site.



Appendix B Hinkley Site Water Levels, February, 2006 Hinkley Groundwater Monitoring Program Hinkley Compressor Station, Hinkley, California

Hirikiey Compressor Station	i, minkiey, Cain	Jitila		
			Water Level	
Project or State Well			(feet above	
ID	Easting	Northing	mean sea level)	Date
02-02A	2250280	512654	2135.71	2/13/06
03-01A	2248212	511626	2142.92	2/13/06
26-04	2249203	521157	2091.66	2/13/06
26-07	2248988	519027	2095.29	2/13/06
26-09	2249409	519196	2095.55	2/13/06
26-16	2251521	518665	2095.97	2/13/06
26-23	2251230	522831	2090.68	2/13/06
26-29	2251511	519263	2096.81	2/13/06
27-04	2248293	521360	2091.75	2/13/06
35-10A	2252035	513254	2113.09	2/13/06
35-11	2252633	514101	2111.03	2/13/06
35-13	2251730	514515	2112.00	2/13/06
35-14	2253828	513786	2114.01	2/13/06
35-26	2251701	513744	2110.39	2/13/06
35-33	2252668	515933	2106.62	2/13/06
DW-01	2249950	521147	2093.66	2/13/06
DW-02	2249104	523256	2090.97	2/13/06
DW-03	2250937	523731	2086.76	2/13/06
IW-01	2250050	520590	2094.22	2/13/06
IW-02	2250659	520431	2094.10	2/13/06
MW-01	2252397	511859	2116.92	2/13/06
MW-02	2251476	512909	2112.73	2/13/06
MW-03	2253815	513062	2116.00	2/13/06
MW-03A	2253805	513064	2115.87	2/13/06
MW-04	2251438	514097	2119.00	2/13/06
MW-05	2253853	514480	2111.95	2/13/06
MW-06	2251476	516053	2103.41	2/13/06
MW-07	2252654	517319	2104.45	2/13/06
MW-08	2250108	517247	2097.97	2/13/06
MW-09	2251932	518400	2098.58	2/13/06
MW-10	2250096	519460	2095.71	2/13/06
MW-11A	2252699	514451	2110.09	2/13/06
MW-11B	2252720	514460	2110.44	2/13/06
MW-12A	2252054	516459	2103.89	2/13/06
MW-12B	2252045	516490	2102.42	2/13/06
MW-13	2251391	517208	2099.88	2/13/06
MW-14A	2250968	518257	2097.96	2/13/06
MW-14B	2250969	518237	2097.40	2/13/06
MW-16	2252090	514982	2107.61	2/13/06
MW-17	2252628	511328	2121.67	2/13/06
MW-18	2250956	516777	2099.43	2/13/06
MW-19	2249346	520319	2094.21	2/13/06
MW-2-2	2252298	513029	2112.66	2/13/06
MW-2-3	2251930	513478	2112.17	2/13/06

Appendix B Hinkley Site Water Levels, February, 2006 Hinkley Groundwater Monitoring Program Hinkley Compressor Station, Hinkley, California

Hinkley Compressor Station	i, minkiey, Caiii	JIIIIa		
Project or State Well	Easting	Northing	Water Level (feet above mean sea level)	Date
MW-2-4	2252979	513049	2113.71	2/13/06
MW-2-5	2252571	513880	2112.51	2/13/06
MW-2-6	2251829	514118	2112.40	2/13/06
MW-20	2252218	512766	2112.41	2/13/06
MW-21A	2251192	522328	2091.10	2/13/06
MW-21B	2251177	522313	2089.82	2/13/06
MW-21B1	2251190.7	522297	2090.76	2/13/06
MW-22A1	2250367	520473	2094.09	2/13/06
MW-22A2	2250344	520456	2094.20	2/13/06
MW-22B	2250356	520419	2094.21	2/13/06
MW-23A	2249410	520713	2093.75	2/13/06
MW-23B	2249382	520707	2093.75	2/13/06
MW-24A1	2251446	520143	2094.66	2/13/06
MW-24A2	2251426	520164	2095.67	2/13/06
MW-24B	2251454	520175	2094.89	2/13/06
MW-25A2	2250916	520307	2094.47	2/13/06
MW-25B	2250925	520336	2094.42	2/13/06
MW-26	2249830	520619	2094.00	2/13/06
MW-27A	2252630	518435	2101.36	2/13/06
MW-27B	2252628	518435	2097.84	2/13/06
MW-28A	2248686	520325	2093.99	2/13/06
MW-28B	2248687	520350	2093.94	2/13/06
MW-29	2248666	521611	2091.95	2/13/06
MW-30A	2251179.7	521446	2091.55	2/13/06
MW-30B1	2251227	521470	2090.93	2/13/06
MW-30B2	2251236	521471	2089.80	2/13/06
MW-31	2250350	522197	2091.51	2/13/06
MW-32B1	2252031	522533	2091.52	2/13/06
MW-32B2	2252056	522544	2091.56	2/13/06
MW-33A	2253974	517314	2105.28	2/13/06
MW-33B	2253975	517339	2099.93	2/13/06
MW-35	2253962	515590	2109.35	2/13/06
MW-36	2250942	513227	2112.74	2/13/06
MW-37	2248684	516268	2097.45	2/13/06
MW-38A	2248671	517914	2095.99	2/13/06
MW-38B	2248670	517883	2096.00	2/13/06
MW-39	2253282	511052	2118.13	2/13/06
MW-40	2249634	514892	2112.79	2/13/06
MW-41A	2252945	520210	2097.83	2/13/06
MW-41B	2252958	520205	2095.63	2/13/06
MW-42B1	2249877	521132	2092.54	2/13/06
MW-42B2	2249870	521133	2093.60	2/13/06
MW-43	2250828	522565	2090.65	2/13/06
MW-44A	2247448	518341	2095.21	2/13/06

Appendix B Hinkley Site Water Levels, February, 2006 Hinkley Groundwater Monitoring Program Hinkley Compressor Station, Hinkley, California

Hirikiey Compressor Station	i, i ili ikicy, Calli	Jiila		
			Water Level	
Project or State Well			(feet above	
, ID	Easting	Northing	mean sea level)	Date
MW-44B	2247448	518348	2095.15	2/13/06
MW-45A	2247410	519864	2093.78	2/13/06
MW-45B	2247416	519860	2093.52	2/13/06
MW-46	2253878	512000	2116.89	2/13/06
MW-47	2247312	521071	2091.35	2/13/06
MW-48	2248735	513523	2117.50	2/13/06
MW-49A	2253864	519055	2102.48	2/13/06
MW-49B	2253856	519054	2101.58	2/13/06
MW-50A	2252668	521169	2094.08	2/13/06
MW-50B	2252667	521174	2094.41	2/13/06
MW-51	2250437	512230	2124.05	2/13/06
MW-52	2255068	513281	2117.28	2/13/06
MW-53	2251477	510911	2128.48	2/13/06
MW-54	2246487	518679	2094.46	2/13/06
MW-55A	2252516	523913	2088.46	2/13/06
MW-55B	2252518	523894	2090.32	2/13/06
MW-56	2251233	520747	2093.50	2/13/06
PGE-07	2252672	513157	2112.60	2/13/06
PGE-09	2251555	511261	2130.07	2/13/06
PGE-11	2253944	509393	2132.17	2/13/06
PGE-12	2253913	509836	2123.49	2/13/06
PGE-13	2253904	510223	2122.66	2/13/06
PMW-01	2252626	511980	2116.82	2/13/06
PMW-02	2252984	512353	2116.08	2/13/06
PMW-03	2253007	512742	2115.78	2/13/06
PMW-04	2252798	512738	2113.56	2/13/06
PMW-05	2252601	512734	2113.25	2/13/06
PMW-06	2252356	512731	2112.82	2/13/06
TW-2S	2251172	521879	2090.11	2/13/06
X-02	2252445	513136	2112.62	2/13/06
X-05	2253145	513281	2113.54	2/13/06
X-06	2252678	513675	2112.34	2/13/06
X-09	2252599	514863	2108.95	2/13/06
X-10	2252612	515260	2108.11	2/13/06
X-12	2252325	515293	2107.39	2/13/06
X-14	2252770	515578	2107.96	2/13/06
X-15	2253276	515793	2107.62	2/13/06
X-16	2253110	515202	2108.80	2/13/06
09N02W02E001S	2280919	511484	2097.35	2/3/06
09N02W03A002S	2280426	512899	2099.28	2/3/06
09N02W03E001S	2276512	511371	2104.68	2/3/06
09N02W06H006S	2264522	510863	2116.63	2/2/06
09N02W06L012S	2261535	509599	2131.45	2/2/06
09N02W06L014S	2261535	509599	2134.15	2/2/06

Appendix B Hinkley Site Water Levels, February, 2006 Hinkley Groundwater Monitoring Program Hinkley Compressor Station, Hinkley, California

minute y compressor ciarer	·			
Project or State Well ID	Easting	Northing	Water Level (feet above mean sea level)	Date
09N02W06M007S	2260637	509409	2134.09	2/2/06
09N02W06P001S	2261447	509307	2132.97	2/2/06
09N02W06P002S	2260789	509083	2135.78	2/2/06
09N03W01R006S	2258124	508660	2135.76	2/2/06
09N03W01R007S	2258124	508660	2136.77	2/2/06
09N03W14N001S	2248975	498065	2186.01	2/2/06
09N03W23C001S	2251414	496993	2181.09	2/2/06
09N03W23D002S	2248993	495954	2191.55	2/2/06
09N03W23F001S	2251433	494773	2182.19	2/2/06
09N03W23F002S	2251433	494773	2192.45	2/2/06
09N03W23F003S	2251433	494773	2190.67	2/2/06
09N03W23L001S	2251433	494664	2190.45	2/2/06

	Appe	endix (	C
Field	Data	Sheet	S

APPENDIX C
Index to Background Study Sampling Field Logs
(Sorted by Well ID and Quarter)

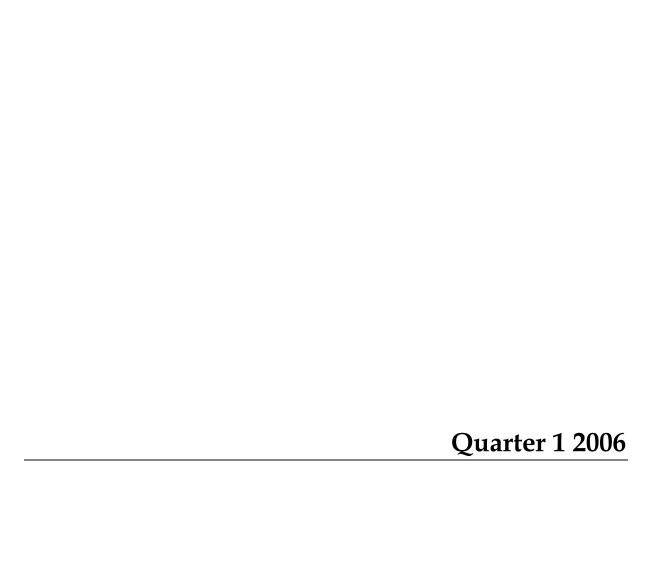
Well ID	Quarter	Date Sampled
01-06	Q03	07/27/2006
04E-01	Q03	07/25/2006
	Q04	10/25/2006
06E-01	Q03	07/24/2006
	Q04	10/25/2006
27-03	Q03	07/27/2006
36-24	Q03	07/27/2006
36-25	Q03	07/27/2006
BGS-01	Q01	01/31/2006
	Q02	04/25/2006
	Q03	07/25/2006
	Q04	10/23/2006
BGS-04	Q01	02/01/2006
	Q02	04/26/2006
	Q03	07/25/2006
	Q04	10/23/2006
BGS-05	Q01	01/31/2006
	Q02	04/25/2006
BGS-06	Q01	01/31/2006
	Q02	04/26/2006
	Q03	07/24/2006
	Q04	10/23/2006
BGS-09	Q01	01/30/2006
	Q02	04/24/2006
	Q03	07/24/2006
	Q04	10/24/2006
BGS-10	Q01	01/31/2006
	Q02	04/26/2006
	Q03	07/26/2006
	Q04	10/24/2006
BGS-12	Q01	01/30/2006
	Q02	04/24/2006
	Q03	07/24/2006
	Q04	10/23/2006
BGS-13	Q01	01/31/2006
	Q02	04/27/2006
	Q03	07/25/2006
BGS-14	Q01	01/31/2006
	Q02	04/26/2006
	Q03	07/26/2006
	Q04	10/23/2006

APPENDIX C
Index to Background Study Sampling Field Logs
(Sorted by Well ID and Quarter)

Well ID	Quarter	Date Sampled
BGS-15	Q01	01/31/2006
	Q02	04/26/2006
	Q03	07/25/2006
	Q04	10/23/2006
BGS-16	Q01	01/31/2006
200 10	Q02	04/24/2006
	Q03	07/25/2006
	Q04	10/23/2006
BGS-18	Q01	02/01/2006
DGS 10	Q02	04/25/2006
	Q02 Q03	07/25/2006
	Q03 Q04	10/24/2006
BGS-19	Q04 Q02	04/25/2006
DO3-19	Q02 Q03	07/25/2006
	Q03 Q04	10/24/2006
BGS-22	_ ~	
BUS-22	Q01	01/30/2006
	Q02	04/25/2006
	Q03	07/24/2006
DCG 22	Q04	10/24/2006
BGS-23	Q01	01/31/2006
	Q02	04/24/2006
	Q03	07/25/2006
D GG 04	Q04	10/24/2006
BGS-24	Q01	02/02/2006
	Q02	04/26/2006
	Q03	07/27/2006
BGS-25	Q01	01/30/2006
	Q02	04/26/2006
	Q03	07/26/2006
	Q04	10/23/2006
BGS-27	Q01	02/02/2006
	Q02	04/25/2006
	Q03	07/26/2006
	Q04	10/24/2006
BGS-28	Q03	07/26/2006
	Q04	10/25/2006
BGS-29	Q03	07/26/2006
	Q03	09/26/2006
	Q04	11/13/2006
BGS-30	Q03	07/26/2006
BGS-31	Q03	07/26/2006
	Q03	09/27/2006
	Q04	11/13/2006

APPENDIX C
Index to Background Study Sampling Field Logs
(Sorted by Well ID and Quarter)

Well ID	Quarter	Date Sampled
BGS-32	Q03	09/26/2006
	Q04	11/15/2006
BGS-33	Q03	09/26/2006
	Q04	11/15/2006
BGS-34	Q03	09/26/2006
	Q04	11/13/2006
BGS-35	Q03	09/26/2006
	Q04	11/15/2006
BGS-36	Q03	09/26/2006
	Q04	11/13/2006
BGS-37	Q03	09/26/2006
	Q04	11/13/2006
BGS-38	Q03	09/27/2006
	Q04	11/13/2006
BGS-39	Q03	09/27/2006
	Q04	11/15/2006
BGS-40	Q03	09/27/2006
	Q04	11/15/2006
BGS-41	Q03	09/27/2006
	Q04	11/14/2006
BGS-42	Q03	09/27/2006
	Q04	11/15/2006
BGS-43	Q03	09/28/2006
	Q04	11/14/2006
BGS-44	Q03	09/28/2006
	Q04	11/14/2006
BGS-45	Q03	09/28/2006
BGS-46	Q03	09/28/2006
	Q04	11/15/2006
BGS-47	Q03	09/28/2006
	Q04	11/15/2006
BGS-48	Q03	09/28/2006
BGS-49	Q03	09/28/2006
	Q04	11/14/2006
BGS-50	Q04	11/13/2006
BGS-51	Q04	11/14/2006



Job Number 328060.BS.WS.00	うしょくこ					
	WS:00					Date 01 - 30 - 06
fleld Team		Field Conditions	*lons			Poge of
Well/Sample Number		1685-12 0130	13000		QC Sample ID	SC Sample Time
Purge Start Time (0.9.7)			7	Purg	Purge Method:	Ded. Pump
Flow Cell: Y / N Instrument Serial Number:	nt Serial Nur	nber	M	Min. Purge Volume (gal)/(1)	ne (gal)/(t)	Purge Rate((gpm))AnLpm) 4
Water Time Vo	Vol. Purged	Hd	Conductivity	Diss. Oxygen	Temp.	Comments (See descriptors below)
\$ X2:01 6	WO DW	1.13	,632	81 11	12.9	
7.0.03		158	1637	1601097	12.8	
7.5 01	28	263	5.0	1107	8.21	
1~	0	3	88ما.	10.98	12.7	
					•	
		-				
20 C C C C C C C C C C C C C C C C C C C	1	+/- 0.1 pH units	%9 -/+	+/- 0.5 mg/L	٩Z	
Did Parameters Stabilize prior to sampling?	mpling?	7	7	2	NA	
Sample Time 10 48	Sample Location:		pump tubing	weil por*	sp.got	boi er o;he:
Comments:						
(initial Depth to Water (# BTOC):	C):			 -	Measure Point;	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER: 101-30.P6E
Color: clear, grey, yellow, brown, black, cloudy, green	rown, blac	k, cloudy, (		Odor: none, sulphur, organic, other	ıtphur, organlı	Solids: Trace, Small Qu, Med Qu, Large Qu, Particula

	9	QC Somple Time		(gpm)/(mtpm)											,				WATER LEVEL METER SERIAL NUMBER:		Solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
ς (	0,0	O. e	Ded. Pump	Purge Rate		C (See descriptors below)	6.	O .	0,	O.					ď	4	spigot baier other		Measure Point: Well TOC Steel Casing WA		
	٤		Purge Method:	Flow Cell: Y / N Instrument Serial Number: (- [0   8   Min. Purge Volume (gal)/(L)	rgen .	1. 4 4 1.	-	12.02 16	760	12.48 (6					+/- 0.5 NA mg/L	۸ V	Neil por Z		Measu		Odor none, sulphur, organic, other
d Study	Fleid Conditions Warm	7-01300C		N 118101-	Conductivity	m5/6		`	186.0	1 , 332					1 +/- 5%	٠,	pump tubing			5	
Project Name PG&E Hinkley Background Study		BG5-09-		Serial Number:	Vol. Purged pH	galons/lifers 7 0.0		7.79	17	52 7.8					+/- 0.1 pH units	- Gulldu	Sample Location:		<b>4)</b> 7	ff bloc:	Color: clear, grey, yellow, brown, black, cloudy, green
ame PG&E Hini	Job Number 328060.BS.W5.00 Fleid Team	Well/Sample Number	1214	/ / N instrument	Time Vol.	1 - 0 -	20	1,	4	Q					Parameter Stabilization Criterla:	Did Parameters Stabilize prior to sampling?	1230		initial Depth to Wafer (fi BIOC):	WD (Well Depth - from table) ft btoc:	grey, yellow, br
Project No	Job Number	Well/San	Purge Start Time	Flow Cell: Y	Wcter		<u>{</u> :	=	1.7	=					Parameter St	Dia Parameters	Sample Tme_	Comments:	initial Depth t	WD (Well Der	Color: clear,

Project Name PG&E Hinkley Bockground Study Job Number 328060.BS.WS.00	Hinkley Bac 3S.WS.00	kground S	tudy		Samp	§ 0
Field Team		Field Conditions	litions			Page of
Well/Sample Number	B	65.22_0	OI30C	<b>3</b>	QC Sample ID	BES ROW Bo Sample Time 13 3-1
Purge Start Time, $13.2$	20			Purg	Purge Methoa:	Ded Pump
Flow Cell: Y / N Instrum	N Instrument Serial Number:	Imper:	15001	Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate(gpm)/(ml.pm)
Water Time	Vol. Purged galions / Illers	Ha	Conductivity	Diss. Oxygen mgʻL	Тетр. "С	Comments (See descriptors below)
10.51 83						. — . — . — . — . — . — . — . — . — . —
100	Sapri	298	304,	15.92	(S. C)	
5/313	1000h	80.0	72,40	13,50	181	
(pt //32/6	3/2022	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, J. J.	11.65	20.1	
1.64 132C	500PV	×67	346	P =	20.00	
3. 3.	6500V	VO 3	345	7.14	20:7	
	5					
Parameter Stabilization Cutedo:	tedo:	+/- 0.1 pH units	%5 -/+	+/- 0.5 mg/L	ΝΑ	
Dia Parameters Stabilize prior 10 sampling?	sampling?	7	5-	٨	NA	
Sample Time 15.33	Sample Lacation:		puma tubing	well port	splgot	paler other
			1			
Initial Depth to Water (# BIOC):	00) (07,	1,68			Weasure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER: 161
wo (well bepin - from lable) it broc:	brown, blac	ck, alaudy,		Odor: none, su	Odor: none, sulphur, organic, other	$\star \lesssim \checkmark$ c, other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Slit, Sand
		-				١

Project Name PG&E Hinkley Background Study	<b>RE Hinkley Bak</b>	ckground 5	study		Sam	Sampling Event 1006	
Job Number 328060.BS.WS.00	00.BS.WS.00					Date 01-30-00	
f leld Team		Field Conditions	ditions		Ì.	Page of	
Well/Sample Number	Š	25.0	35, 25,013000		QC Sample ID	QC Somple Time	
Purge Start Time	7			Purg	Purge Method:	Ded. Pump	
Flow Cell: Y / N Instrument Serial Number:	trument Serial N	lumber:		Min. Purge Volume (gal)/(L)	me (yal)/(l.)	Purge Rate (Gpm) (mLpm)	
Water Time	Vol. Purged gallons / liters	Ηd	Conductivity	Diss, Oxygen	Temp.	Comments (See descriptors below)	All Annual Control of the Control of
17.11 1467	45.17	2 743	なって	0,5	20.8		
10707 1410	24	7.40	14	11.45	20.9		
60.95 1413	26	742	44	11.70	21,0		
66.95 1416	4	7,49	1,46	11.70	20,1		
				•			
	_						
		+/- 0.1 bH units	%5 -/+	+/- 0.5 ma/L	¥Z		
Did Parameters Stabilize prior to sampling?	or to sampling?	7	7	, 5	Ϋ́N		
Sample Time 417	Sample Location:	ocation:	pump tubing	well port	.o∄.ds	boiler other	
Comments:							
initial Depth to Water (ft BIOC):_	l 1	66.85			Measure Paint:	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:	101-3
WD (Well Depth - from table) ft btoc:	table) ft btoc: _			!			\\ \*
Color: clear, grey, yellow, brown, black, cloudy, green	ow, brown, blc	zck, cloudy,		Odor: none, sulphur, organic, other	ulphur, organ	, other <b>Solids</b> : Trace, Smail Qu, Med Qu, Large Qu, Particulate, Silt, Sand	Particulate, Silt, Sand

Background Study Sampling E	
Field Team 12 16, G.B. K. Field Conditions Sunny Coci 65° Page of	
35-23_013106	
Flow Celi: Y / (1) Instrument Serial Number: Min. Purge Volume (9a)/(4)	
Water Time Vol. Purged pH Conductivity Diss. Oxygen Temp. Comments agains / trans agains / trans	
7:31 47.7 144. PIC MORS 64.80	
44 16 00 158 439 7	
7 744 7	
7 35 7.490 7	
Thay	
001	***************************************
+/- 5%	
Jits mg/L	
Did Parameters Stabilize prior to sampling?	
Sample Time X S Sample Location: pump tuping wot port spipor baler other comments: when gives the first than 100'	
Initial Death to Water (fl BIOC); Measure Point; Wei TOC Steel Casing Water Level Meter Serial NUMBER:	E
bhos:	
Color (class) grey, yellow, brown, black, cloudy, green Odor (none) sulphur, organic, other Solids: Trace, Small Qu, Med Qu, Lorge Qu, Particulate, Slit, Sand	Particulate, SIIt, Sand

Project Name PG&E Hinkley Background Study	Hinkley Back	ground S	tudy		Samp	Sampling Event 1906
Job Number 328060,85.ws.ub Field Team <b>84</b>	.85.W5.U0	Field Conditions	itions			7
Well/Sample Number	RGS	)  (%	01310	6	ac sample ID	QC Sample Time
Purgo Start Time 09:	75			Purg	Purge Method:	Ded. Pump
Flow Cell: Y /(N) Instrument Serial Number:	ment Serial Nur	mber:	2	Min. Purge Volume (gal)/(L)	ne (gai)/(L)	Purge Raie (Gpm/(mLpm) 3
Water Time	Vol. Purged gallons / Erers	Hd	Conductivity	Diss. Oxygen mg/L	Temp. °c	Comments (See descriptors below)
43.55 09:09	9	7.83		10.32	15.1	stom is a series
2	7.	7.5.1	1.15	8,01	ام.(د	
95.99 09 183	18	749	1,15	7,54	20.d	
	24	7.55	ا . ا	7,45	20.8	
7160 09.06	30	7.52	ا. [ (ه	7.36	20,5	
of the state of th		+/- 0.1 pH units	+/- 5%	+/- 0.5 mg/L	ΨN	
Parameters Stabilize prior to sampling?	o sampling?	7-	7	<b>\</b>	NA	
Sample Time 0920	Sample Location:		pump tubing	wolpon $X$ ,	- JoB.ds	baker other
Comments:						
nitial Dcpth to Water (# BTOC):	100): <u>9(</u>	370			Measure Point:	Well TOC) Stock Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Weil Depth - Irom Table) II brac:	ole) Tratoc: — 7. brown. blac	k, cloudy,		Odor: none, sulphur, organic, atner	liphur, organi	ic, other <b>Solids</b> : Trace, Strat Qu, Med Qu, Large Qu, Particulate, 5(1), Sand
						ŀ

																			R SERIAL NUMBER:		Solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
Sampling Event 1006	Page of	QC Sample Time	Ded. Pump	Purge Rate(gpm) (mLpm)	Comments (See descriptors below)											<b>T</b> 1	::		T: Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:		
San		QC Sample ID	Purge Method:		<u> </u>	11.3	18.8	19.5	و ا ا					۸ A	₹Z		spigor		Measure Point:		iulphur, orga
		_	Purg	Min. Purge Volume (gal)/(L)	Diss. Oxygen mg/L	12.93	8.40	8.25	8.10				į	+/- 0.5		-	- weil port				Odor; none, sulphur, organic, other
tudy	itions	013106			Conductivity	1.20	1,13	1.15	1.11					+/- 5%	2		pump tub ng				
skground S	Field Conditions	865-01-0		umber: C10	Hd	7.63	7.5)	7.49	7.52					+/- 0.1	7				9328		ck, cloudy,
Project Name PG&E Hinkley Background Study	.BS.WS.00		15	Flow Cell: Y / N Instrument Serial Number: C101811	Vol. Purged galons / liers	7	ھ	0	4	į					riteria:	Billidium	samble Location:		10C):	yle) ff btoc:_	Color: clear, grey, yellow, brown, black, cloudy, green
ame PG&E	Job Number 328060.BS.WS.00 Field Team	Well/Sample Number	TIME 1005	Y / N Instru	Ilme	9001	800	2 (0)	7101						Parameter Stabilization Criteria:	Dio Parameters stocking to sunding	<u>v</u>	 	Initial Depth to Water (fl BTOC):	WD (Well Depth - from table) if btoc:	grey, yellow
Project N	Job Nu	Well/Sa	Purge Start Time	Flow Celf.	Water Leve!	93.28	9250	98.70	94.00						Parameter S	Dig Parameter	Sample Trae_ Comments:		Initial Depth	WD (Well De	Color: clear,

																				1704	T 100 0 110 0 1
				ŀ	2						:								125	SERIAL NUMBER:	Control of the Control of the Control
	120016		aC Somple Тітте		Purge Rate (gbm) (m; pm) 2.5														3 to +s	Stee; Casing WATER LEVEL METER SERIAL NUMBER:	()
1006	Date 01 (34)			Ded. Pump	Purge Rate	Commants (See descriptors below)								<u>.</u>					boing Eas		
Sampling	ļ		QC Sample ID	Purge Method:	(J)/(pg) e	Temp. Comi	8.S1	09)	[6.5	(6.8 (9.0)							N A	NA VA	space the	Measure Point: Well TOC	
			ă	Purge	Min. Purge Volume (gal)/(L)	Diss. Oxygen	10.8%	10.73	10.45	10.38							+/- 0.5 mo/l	-د ا	Licko Chr	Σ	· (
Study	acition.	SCIII CA 13	013106			Conductivity	1.03	1.03	1.0.3	1.04							+/- 5%	2	pumptubing 177997		
ckground	sucitions of Public	יופות לפ	137	04	umber;	Ha -	812	7.20	7.8	7.10							+/- 0.1 PH units	7	ocation:	7	
Project Name PG&E Hinkley Background Study	J.BS.WS.00	2	Der \$65.	010	Flow Cell: Y / N Instrument Serial Number:	Vol. Purged gaions / liters	59015	10001	1500	204pls	9							criteria: to sampling?	Sample Lacquion:	Linitial Depth to Water (# BIOC);	WD (Weil Deptin - from table) If btoc:
ame PG&E	Job Number 328060.BS.WS.00	nedili Ne	Well/Sample Number	Purge Start Time	Y / N Instru	Time	26.01	10:44	95.QI	& T.O.								Parameter Stabilization Citiena: Did Porameters Stabilize prior to sampling?	10 50 Scorpt	to Water (ff E	pth - from ta
Project N	US dol	DIail	Well/Sa	Purge Star	flow Cell:	Water :evel	02.F3	65.50	(S.1-5)	3								Parameter 5	Sample Time 10 Comments: Sqm	hitial Depth	WD (Well De

ı

Project Name PG&E Hinkley Background Study	kE Hinkley Bac	skground 5	study		Sam	Sampling Event 1006
Job Number 328060.BS.WS.00	60.BS.WS.00					Date   - 5  - 06
Field Team		Field Conditions	iltions			Page of
Well/Sample Number	nber BGS-CK	\	C13006		QC Sample ID	GC Somple Time
Purge Start Time				Purg	Purge Method:	Dea: Pump
Flow Cell: Y / N Instrument Serlal Number:	rument Serlal No	umber:	2	Min. Purge Volume (gal)/(1)	(I)/(log) au	Purge Rate (gpm) (mLpm) 5
Woter Time Leve	Vol. Purged gallons / Iress	Hd	Conductivity	Diss. Oxygen mg/L	Temp. °c	Comments (See descriptors below)
5000 11 17	Sapm	7.44	419	12.42	158	
6002 11:19	10 a 01	7.33	Š	12.50	15.5	
12, 11, 20,00	1.5 Q.P.M	7.34	119.	1224	15.5	
(aD.cz. 11. 23	10000	7.33	600	12 C/C	5	
	40 and					
		+/- 0.1 pH units	+/- 5%	+/- 0.5 ma/L	NA	
Parameter Stabilization Unienta:  Did Parameters Stabilize prior to sampling?	or to sampling?	5	7	, <b>&gt;</b>	\ ∀ V	
Sample Time 11:2	Sample Location:	scation:	Buight duind	well port	splgot	bollo: other
Comments:			:			
	10000	6			1 CO	WAS ITOY CAND CANDED EVEL METED SENTE IN IMPER
WD (Well Depth - from table) ft bloc:	rable) ff btoc:_					
Color: clear, groy, yellow, brown, black, cloudy, green	ow, brown, bla	ck, cloudy,		Odor: none, sulphur, organic, other	liphur, organ	iic, other <b>solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Slit, Sand

Project Name PG&E Hinkley Background Study	ley Back	ground S	udy		Samp	Sampling Event 1206
Field Team		Field Conditions	ions			<b>-</b> °.
Well/Sample Number	8G	865-10	01300C	[3	GC Sample ID	SC Somple Time
Purge Start Time 12:5	7		:	Pvg	Purge Method:	Dad. Pump
Flow Ccil: Y / N Instrument Serial Number:	Serial Nun	iber:	≥	Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate(gpm)/(mLpm) 5
Water Time Vol.	Vol. Purged gallons / liters	Ha	Conductivity	Diss. Oxygen	Temp.	Comments (See doscriptors be/cw.)
W 12.57 5	aom	787	1467	9.23	21.9	
the 1250 10	Spri	7.82	, 464	8.80	22.6	
100/1301 (5	Z Z Z	7,8	יילנסרן.	8.85	22.7	
13:03	Satur	84.2	%,	8.59	22.8	
40	کو ا					
					-	
Perameter Stabilization Criteria:		+/- 0.1 pH units	%5 -/+	+/- 0.5 mg/L	۲ Z	
Did Parameters Stabilize prior to sampling?	pling?	7	7	٨	Ą	
Sample Time 13:00	Sample Location:		m Bulght dund	- weil por	splgat	baler other
. Comments:					}	
initial Depth to Water (# BTOC):			j	1 .	Measure Point:	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:
WD (well Deptin - Irom Table) if brock	T DTOC:	7			actor of a property of a prope	other Solide Trans Small Qu. Med Qu. Larae Qu. Particulate. Sitt. Sand
לינים: בימים: שופץ: אפוסא: אומאון: מימים: פימים: שיפים:		S S S S S S S S S S S S S S S S S S S				

4 0.50

Project Name PG&E Hinkley Background Study	E Hinkley Bac	kground S	tudy		Sam	1000
Job Number 328060.8S.WS.00	0.BS.WS.00					Date C1/31 (CCC
Fleid Team		Field Conditions	irions			Page of
Well/Sample Number	8	10-17-	2013106	8	GC Sample ID	ac sample Time
Purge Start Time 13.4	ر رو			Purge	Purge Method:	Dod. Pump
Flow Cell: Y / N Instrument Serial Number:	ument Serial Nu	ımber:	~	Min. Purge Volume (gal)/(L)	(1)/(lp6) eL	Purge Rate (gpm) Xm²-pm) 4
Water Time Level	Vol. Purged	Hd	Conductivity	Diss. Oxygen mg/t.	Temp.	Commonts (See descriptors below)
DUPETEC 13:48		7.86	.427	13.56	13.4	
+	) 600 X	7.7	,42G	13.36	13.60	
1	12001	2.70	1425	12:45	14.2	
15:54	11/20/11/S	1 Cos	,42G	12.36	143	
	48 92					
Control Charliff ration Cubarter	i vince	+/- 0.1 pH units	%9 -/+	+/- 0.5 mg/L	<b>₹</b> Z	
Dic Parameters Stabilize prior to sampling?	to sampling?	5	γ	2	ΑN	
Sample Time 13:56	Sample Location;		pump tubing		sp.got	baler other
Comments:			; i			
initial Dopth to Water (# 810C):	BTOC):				Measure Point:	: Well TOC Stee Cosing WATER LEVEL METER SERIAL NUMBER:
Color Clear grey, yellow, brown, black, cloudy, green	w, brown, bla	ck, cloudy,		Oder: none, sulphur, organic, other	lphur, organi	nic, other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
)						

Project Name PG&E Hinkley Background Study	sackground	Study		Sampl	9009		
Job Number 328060.BS.WS.00					0		
Field Team <b>865</b>	Field Conditions	difions			Page of		T
Well/Sample Number 86	86-15_0	01310C	ŏ	QC Sample ID	MWL9 ac Sample Time	14:45	
Purge Start Time (4): (8			Purge	Purge Method:	- 1		
Flow Cell: Y / (N) Instrument Serial Number:	I Number:	V	Min. Purge Volume (gai)/(L)	e (gai)/(L)	Purgo Rate (gpm)/(mt.pm)		
Water Time Vol. Purged	ed pl-l	Conductivity	Diss. Oxygen mg <sup>(</sup> L		Common*s (See descriptors below)		
No 14:19 Sapin	88.L V	76.0	10.15	18.6			
	1	86.0	16.57	18.7			
10.02 150.00	7 27	26.5	10.67	0.61			
12 25 2 Can	1 23	0.4%	10.95	6. ⊗			
35.							1
Parameter Stabilization Criteria:	+/- 0.1 pH units	+/- 5%	#/- U.5 mg/L	∢ Z			
Did Parameters Stabilize prior to sampling?	5	5	״	₹Z			
Sample I'me 4:27 Sample	Sample Location:	pump tubling	well port	policis	bolic/ other		
Comments:							İ
office Depth to Water (# BTOC)			Σ	Measure Point	WE I TOC Steel Casing WATER LEVEL METER SERIAL NUMBER.	L NUMBER:	
WD (Well Depth - from table) ft btoc:			. <i>(</i>				
Color, cledy, grey, yellow, brown, black, cloudy, green	black, cloudy,		odor(none) sulphur, organic, other	phur, organic	, other <b>Solids:</b> Trace, Small Qu. Med Qu. Large Qu. Particulate, Sit, Sand	rge Qu., Particulate, Silt, Sand	-

Project Name PG&E Hinkley Background Study	kground Stu	hor		Sam	Sampling Event 1906	1,006
Job Number 328060.BS.WS.00				ļ	Date	01/31/06
Field Team	Field Conditions	ions			Pago	of
Vell/Sample Number 865 - C	0.50	013 100	9	QC Sample ID		GC Sample Time
Purge Stort Time 15:04				Purge Method:		Ded Pump
Flow Cell: Y / N Instrument Serial Number:	mber:	2	Min. Purge Volume (gal)/(1)	ne (gal)/(l)		Purge Rate (£pm)/(ml.pm) 5
Water Time Val. Purged	Ηđ	Conductivity	Diss. Oxygen	Temp. °c	Comments (See descriptors below)	(wo;aq sıo
15.78	705		13.2 (	13.9		
COLT 15:08 10 0 pm	7.27	0	13.63	(3.8		
15:10 15dom	5	- i -	14.03	13.5		
15:12 2000	723		14.35	13.2		
40,48			-			
December Stabilization Cilleda	+/- 0.1 pH units	+/- 5%	+/- 0.5 mg/L	ΨZ		
Did Parameters Stabilize prior to sampling?	>	>-	7	ΑN		
Sample 15:14 Sample Location:	]	pump tubing	weli port	splgot	paller	offner
Comments:			!			
Initial Dapth to Water (# BTOC):			_	Measure Point:	Well TOC	Steel Casing WATER LEVEL METER SERIAL NUMBER:
Color. clear, grey, yellow, brown, black, cloudy, green	k, claudy, g		Odor: none, sulphur, organic, other	ılphur, organi	ic, other	Soiids: Trace, Small Qu. Med Qu, Large Qu, Particulate, Silt, Sand

,

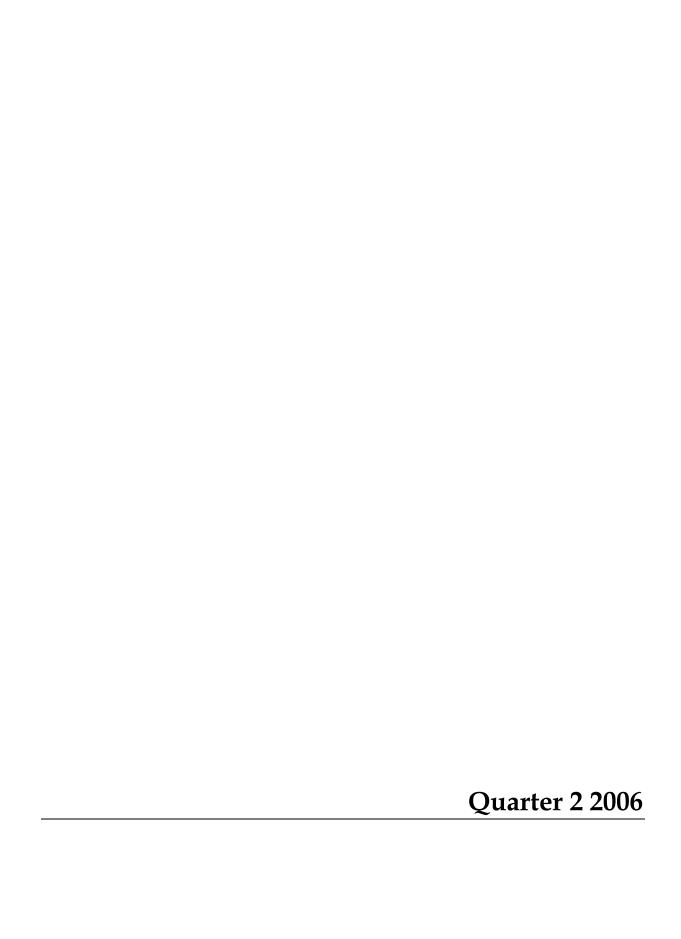
Project Name P	Project Name PG&E Hinkley Background Study	skground 5	Study		Sam		
Job Number 328060.BS.WS.00	28060.BS.WS.00		ļ			Date 02-01-00	
Fleld Team		Field Conditions	3	なんか		Page of	
Well/Sample Nimber	Imber 665-	×			SC Sample ID	aC Sample Time	
Purge Start Time		2	020100	Sind Y	Purge Method:	Ded. Pump	
Flow Cell: Y / N	Flow Cell: Y / N Instrument Serial Number:	umber:		Min. Purge Volume (gal)/(t)	Te (gol)/(t)	Purge Rate (gpm)/(mLpm)	
Water Time	y Val. Purged gollons / lifers	Ha	Conductivity	Diss. Oxygen mg/L	Temp.	Comments (See descriptors below)	
No 10:29		(0.67	1.85	8.72	-602	15 min between	turn on orcles
Port 10 38		7.04	S-	7.87	20.9	2min	
10:01	Q	%h:/	1.75	7.85	7-		
16.54	(B)	7.51	1.76	8.39	21.5	well Debth	120' Data on
16:	56 ~ 100 and	757	ر م	ν 30	21.8	-	Xod Hack
	<b>a</b>			1		water ceve	1001
						PS 119'	
in the state of th	in Charles	+/- 0.1 pH units	%G -/+	+/- 0.5 mg/L	NA		
Did Parameters Stabilize potor to sampling?	poter to sampling?				N.		
Sample Time 18	Sample Location:		Bujan; dwnd	well port	topics	baller other	
Comments: 70 .	28						
Initial Depth to Wator (#BTOC):	n (# BTOC): m table)			-	Measure Point	WeillOC Steel Costig MAIER LEVEL MEIER SERIAL NUMBER.	MEI HK GERIAL NUMBER
Color: clear, grey, yellow, brown, black, cloudy, green	rellow, brown, bla	ick, cloudy,		Odor: none, sulphur, organic, other	ulphur, organi		Solids: Trace, Smail Qu, Med Qu, Large Qu, Particulate, Slit, Sand

																			A	AL NUMBER:		
Sampling Event 1906	Page of	ac Somple Time	Ded. Pump	Purge Rate (gpm) (mLpm) 3	Comments (See descriptors belaw)													paker other		Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:	,	
Samplin	1	QC Sample ID	Purge Method:	ne (gal)/(L)	Temp. Con	97/2	2/8	21.8	6.12		•				ΝΆ	*	NA.	splgot	!	Wedstire Point: W		
			Purg	Min. Purge Volume (gal)/(L)	Diss. Oxygen	9.57	9.59	9.56	9.33						+/- 0.5	7,611		well port				
ıudy	tions	20106		2	Conductivity	.520	105	SOD	364.	!					+/- 5%	_	7	pump fubing			 	
kground S	Field Conditions	86504_02010		ımber:	на	247	80.8	8.02	7.97						+/- 0.1	5	,		į	6	-	
Hinkley Bac	BS.WS.UU	er 865	2:52	nent Serial Nu	Vol. Purged gations / liters	(0 a Qn	12 90h	18000	24°01	0						iteria:	sampling?	Sample Location:		6.46	le) ff bfoc:_	
Project Name PG&E Hinkley Background Study	Job Number 328000.65.ws.uu Fleid Team	Well/Sample Number	_	⊆	Time	12:54	12.56	12.58	(3:00							Parameter Stabilization Criteria:	Did Parameters Stabilize prior to sampling?	18:02		. Wrater (# BI	of the from tab	
Project No	Job Number Fleid Taam	Well/San	Purge Start Time	Flow Cell: Y	Woter	95.21	27.00%	95.19	26.46	9451						Parameter St	Dld Parameters	Sample Time	Comments:	Initial Death to Water (# BIOC)	WD (Well Depth - from table) ff btoc:	

Project Name PG&E Hinkley Background Study	Hinkley Bac	karound S	tudy		Sam	Sampling Event 1006
Job Number 328066	).BS,WS.00					Date 2.2 - 06
Field Team Blang Tach	Tack	Field Conditions		NWWN		Page 1 of 1
Well/Sample Number 865-24_02030	Ser 865	-24-0	20306	9	GC Sample ID	845-24.020306 EB QC Sample Time (030
Purge Start Time	0953			Purg	e Method: 2"	
⊆	ment Serlal Nu	mber: 05F	- 1	ALMin. Purge Volume (gal)/(c)	ne (gal)/(c)	20 gel Purge Rate (Bby)/(mtpm)
Water Time Levol	Vol. Purged	Hd	Conductivity	Diss. Oxygen mg/L	Temp.	Comments (See descriptors below)
56.65 0957	4	1.51	398	8.93	17.59	TD- 1208
<del> </del>	×	1.49	34%	8.97	17.79	
<del> </del>	7/	12.5	398	8,90	17,87	
50.67 1009	ر	7.52	397	8.96	17.50	
5101 1973	20	1.51	397	9.90	17.80	
					}	
		+/-0+		+/- 0.5		
Parameter Stabilization Criteria:	riteria:	pH units	+/- 5%	mg/L	ΨZ.	
Dia Parametors Stabilize priar to sampling?	to sampling?	524	4 c S	3 6 5	NA	
Sample Time 1015	Sample Location:		Bulgn, duind	_ well port	spigot	baller other
Initial Depth to Water (# BIOC):		۶ د. وه			Measure Point:	1: Wei! TOC Shell Coling WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ft btoc:	ble) ff btoc:					
Color: C'ear, grey, yellow, brown. b'ack, cloudy, green	v. brown, błac	ck, claudy,		Odor: none, sulphur, organic, other	uphur, organ	nic, other <b>Solids:</b> Trace, Small Qu, Med Qu, Large Qu, Particulate, Sitt, Sand

Project N	lame PG&E	Project Name PG&E Hinkley Background Study	:kground §	study		Samp	Ø	
Job N.	Job Number 328060.BS.WS.00	D.BS.WS.00					Date 2/2/00	
Feld	Field Team Blaine Tech	عد آد م	Fetd Conditions	Jitions Suoitic	7~		Page 1 of 1	
Well/Sq	Well/Sample Number	Ĺ	865-35-33	702020-	 	GC Sample ID	ac Sample Timo	1
Purge Start Time	rt Iime	113			P.G	Purge Method: 2	Ded Pump	
Flow Cell	V N Instru	Flow Coll(y)/ N Instrument Serial Number: 05年125万月LMin. Purge Volume 日かい	mber: 05	FIZSBALA	Ain. Purge Volur	(1)/(I <b>*)</b>	O Purge Rate (GGm)/(mLpm)	
Water Level	Time	Vol. Purged	Hd	Conductivity	Diss. Oxygen mg/L	Temp. °C	Comments (See descriptors below)	
81.52	11.17	'n	21.6	مالاا	5.05	20.07	TD: 95.65'	
81.47	1211	<b>~</b>	7.16	1415	4.78	10.12		
81, 44	1175	21	1.13	1415	4.15	20.73		
81.57	4211	2	٦, ۲	1415		20.74		
81.59	1133	50	7.11	SIhl	1874	70.74		
		!						
			+/-0.1	+/- 5%	-/- 0.5	Ϋ́Z		
Parameter 5	Parameter Stabilization Criteria:	Zriteria:	pH units		mg/∟			
Did Paramete	Did Parameters Stabilize prior to sampling?	to sampling?	3.63	30)	۲۰۶	AN A		
Sample Time	1135	Sample Location:	1	Pump fubing 🗸	welport	2b 30,	baler other	
Comments: _								
Initial Depth	initial Depth to Water (# BTOC):		81.55	1		Measure Point:	Well TOC Seel Caping WATER LEVEL METER SERIAL NUMBER:	: : : : : : : : : : : : : : : : : : : :
WD (Well De	WD (Weil Depth - from table) ff btoc:	ble) ff btoc:						
Calar: clear,	grey, yellov	Color: clear, grey, yellow, brown, black, c'oudy, green	ck, cloudy.		Odor: none, sulphur, organic, other	utphur, organi	, other <b>Solids</b> : Tracc, Small Qu, Med Qu, Large Qu, Particulate, Sill, Sand	ate, Sill, Sand

Job Number 328060.BS.WS.00					1	
	. ws.uu				1	Date 2.250
Fleid Team		Field Conditions	tions Cloudy	$\sim$	windy/warm	Page of
Well/Sample Number		895-27	025206		ac Sample ID	GC Sample Timo
Purac Start Time / 3	Į+			Purge	Purge Method:	Ded. Pump
Instr	ent Serial Nu	nber	2	Min. Purge Volume (gal)/(l.)	(1)/(loft) a:	Purge Rate(gpm)/(ml.pm) 5
Water Time V	Vol. Purged gallons / Irrens	Ha.	Conductivity	Diss. Oxygen	Temp.	Comments (Soe descriptors below)
1348	3	6.99	16.	10.62	19.4	
1350	15/	707	19.	10,43	19.3	
/352	ンプ	0 14	1.9.1	10.24	19.2	
/354	7	7.11	167	10.16	/9,	
/356	75	7.11	1.92	10,06	1961	
					•	
		+/-0.1	+/- 5%	+/- 0.5	Ϋ́	
Parameter Stabilization Criteria:	ria:	ph units		⊐/gm		
Did Parameters Stabilize prior to sampling?	ampling?	>	5-	>	Ϋ́	
Sample Time	Sample Location:		purp tucing	X pod i M	.oë ds	boler other
Comments:		-				
•						
	(			,	Monst tre Point:	Well TO Steel Crain WATER FVET METER SERIAL NUMBER:
WD (Well Dapth - from table) ff btoc:	C:			· 	2	
Color: Clear grey, yellow, brown, black, cloudy, green	orown, blac	k, ctoudy, g		Odorfhone, Autphur, organic, other	phur, erganik	c, other Solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Slit, Sand



Project Nam	10 PG&E	Project Name PG&E Hinkley Background Study	(ground S	tudy		Samp	Sampling Evenit <del>s See 2 00 0</del>
Field Team YE ( )	er 328060		Field Cond	Field Conditions (2000)	-		Poge of
201 2021		5					10000
Well/Sample Number	ie Numb	<b>B</b> GS	-23-6	OUPSHO-	- [	QC Sample ID	MN - 40 Cas Sample Time
Purge Start Time	ne 09	093te		7.0		Purge Method: <u>sp</u>	Zet Zet
Flow Cell: Y /	Instrui	Flow Cell: Y / (1) Instrument Serial Number: C   O   Y   M	nber:	ے ح آ	Ain. Purge Volume (ga)/(L)	ne (gal)/(L)	Purge Rate (gopy) (mtpm) 3
Water	Time	Vol. Purged gallons / Illens	냰	Conductivity 7 / 2	Diss. Oxygen	Temp. °C	Corrunents (See descriptors below)
5	941	5	7,8,	48.9	5,38	817	
	343	30	7.87	48.6	5,20	22.0	
()	0951	7	7.84	48.4	5,44	22.0	
0	0954	46054	7.84	48.G	5.10	22.2	
č	Car1	45603	7.84	48.7	りと	22.2	
1	000	12	784	48.6	4.93	22.2	
	,						
			17.04		+/- 0.5		
Parameter Stabilization Cutterta:	dization C	riteria:	pH units	+/- 5%		Ϋ́	
Did Parameters Stabilize prior to sampling?	t pilize prior t	o sampling?	7	7	5	NA	
Sample Time	1003	Sample Location:		pump tubing	well pod	) Todacs	boiler other
Comments:							
Initial Depth to Water (ft BTOC):	Water (# B	iTOC):				Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ff btoc:	- from tat	ole) ff bfoc:					
color(deal) grey, yellow, brown, black, cloudy, green	ey, yellow	v, brown, blac	k, cloudy,		Sdor: none	odor: none) sulphur, organic, other	iic, other solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand

Sampling Event table 2 @06  Date 04/24 06	ac Sample ID Purge Method: Śoኒ୩ଟ	Min. Purge Volume (gal)/(L) Purge Rate (glam)/(mLpm) 44  Diss. Oxygen Temp. Comments  Comments  Comments	7,51 22,9	6,45 23.1	6.75 22.8	6.49 22.9				+/- 0.5 NA mg/L	¥.	well port — splack— baller of the land	Medsure Point: Well TO Steet Casing WATER LEVEL METER SERIAL NUMBER:	Odor: none sulphuy organic, other solids: Trace, Small Qu. Med Qu. Large Qu, Particulate, Silt, Sand	
(ground Study Field Conditions	20	ductivity	P.C. 00 00,		65 0.112	,640,113			:	 0.1 +/- 5% units		50 pump tubing	. 85	oudy, green	
Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00 Field Team <b>KE &amp; D.G</b> Field Conditions	Well/Sample Number 665-66	ell: <	17:	1112	150 26 1122 72 7.6	.99 1125 94 7.				+/- 0.1 Parameter Stabilization Criteria:	Old Parameters Stabilize prior to sampling?	Sample Time 1 30 Sample Location:	Initial Depth to Water (ff BTOC): 1 6 0	WD (Well Depth - from Table) It black:  Color. clear, grey, yellow, brown, black, cloudy, green	

Project Name	Project Name PG&E Hinkley Background Study	Sackground	Study		Sam	Sampling Event 7808 7 40 6
JedmuN dol	Job Number 328060.BS.WS.00					Date A - 24-06
Field Team KS	K5 + WG	Field Cor	Field Conditions 5 von	シャカノち		Pogeof
			101010	       		
Well/Sample Number	Number [15 দি		04.04 640 B	_		
Purge Start Time	1200	. [		Purgé	Purge Method: 52	Carol Ded. Pump
Flow Cell: Y	Flow Cell: Y (R)Instrument Serial Number: CIOI 11	Number: C		Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(mlpm) 2, 5
Water Tir	Time Vol. Purged	FG.	Conductivity	Diss. Oxygen	Temp.	Comments (See classifiction below)
[eve]		ŗ	-		, <u>,</u> ,	
1207	7	1,46	42,9	4,04	1.8	
)/Z! —	2,88 0	7,29	42.2	10,25	ر و و	- 1944
[2]	3 54. 5	7,15	42.2	72,01	67	the state of the s
7	710	7.1	42.1	7 b′b	ر.	
12	10 87 6	=	420	0,87	<u>ي</u> و	t, part and the second
7.						
		-				
					  -  -  -	
						1. (1.0.7)
						who are the second seco
		+				
Percmeter Stabilization Cilberia:	otion Citheria:	+/- 0.1 pH units	%5 -/ <del>+</del>	+/- 0.5 mg/L	<b>∢</b> Z	
DId Porameters Stabil	Did Parameters Stabilize prior to sampling?	7	7	2	ΑN	1.
Sample Time	Sample	Sample Location;	pump tubing	well port	* toplas	boiler other
Comments:						
					ļ	
Initial Depth to Water (# BTOC):	oter (ft BTOC):			_	Measure Point: Well TOC	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:
wb (well Depth -	WD (Well Depth - from table) # btoc:	ä				
color: clear grey, yellow, brown, black, cloudy, green	, yellow, brown, I	black, cloudy	; green	Odat: none: sulphur, organic, other	liphur, organ	iic, other <b>Solids</b> ; Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand

Project Name PG&E Hinkley Background Study	Hinkley Bac	kground	Study		Sam 	Sampling Event 1984 2 QO 9	
Field Team K 2	(2) \ (2) \ (3) \ (4) \ (4) \ (5) \ (4) \ (5) \ (4) \ (5) \ (4) \ (5) \ (6) \	Field Conditions	diffons SJ	Jun		Page of	
Well/Sample Number	RGS	- 12 - 6	-12-04240	را	QC Sample ID	SC Somple Time	
Purge Start Time 13	253			Purc	Purge Method: Spin	8	
Flow Cell; Y / N Instrument Serial Number: C   0   410	ment Serial Nu	ımber: C		Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge kare (gpm)/(mpin)	
Water Time	Vol. Purged gallons / lifers	Hd	Conductivity	Diss, Oxygen mg/L		Comments (See descriptors below)	
1356	2	7.36	17	9.00	21.2	1997	
127	225	7,18	73,0	9,40	21.0		
404	30,0	7.2)	71,7	20 P	2) 14	The state of the s	
1407	37.5'	7.14	737	06.1P	21,4	And the second s	
35 (410	45.0	7.18	731	90.5	20.5		
						and the second s	
				1			**************************************
		+/- 0.1	+/- 5%	+/- 0.5	Ϋ́		
Parameter Stabilization Criteria:	hiteria:	pH units		mg/L	1		
Did Parameters Stabilize prior to sampling?	to sampling?	2	حر	<b>-</b>	AN		
Sample Time	Sample Location:	cation:	pump tubing	well port	togics     togics     togics     togics     togics	boller other	
Comments:							
Initial Depth to Water (# BTOC):	310C): <b>62</b>	58.		***************************************	Measure Point: Well TOC	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:	UMBER
WD (Well Depth - from table) If bloc:	ble) ft bfoc:	cloudy.		Odormone) sulphur, organic, other	ulphur, organ	cther <b>Solids</b> : Trace, Small Qu. Med Qu. Large Qu. Particulate, Sllf, Sand	Qu, Particulate, Silf, Sand
(A)							

Project Mame	Project Name PG&F Hinkley Background Study	ackaround :	Study		Sam	Sampling Event ACC 7
Job Number	Job Number 328060.BS.WS.00				. <b> </b>	Date 24/24/0(p
Field Team	9M13X	Field Conditions	ditions			Page of
Well/Sample Number		865-14	29240	0	QC Sample ID	SC Sample Time
Purge Start Time	15:13			Purg	Purge Method: _S_	10610
Flow Cell: Y / N	Flow Cell: Y / N Instrument Serial Number: C101411	Number: C1	ŀ	Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(ml.pm)
Water	Time Vol. Purged	Hd	Conductivity	Diss. Oxygen mg/L	Temp. ເດ	Comments (See descriptors below)
102.35 15	15 cl an	7.83	21.7.8	4.18	20.1	
103.24 15.	10001 81	21.60	45.7	3.40	206	
10223 1	121 11000	2007	45.3	308	20.9	
15000	24 2284	78	120	2.6	21.0	
103.21	27 2869	2.7	47.5	3.16	21.0	
3.10.21						
-						
		!				
				900		
Parameter Stabilization Calledo:	ration Orberta:	+/- 0.1 pH units	+/- 5%	+/- 0.5 mg/L	₹ Z	
Did Parameters Stabi	Did Parameters Stabilize prior to sampling?	7	7	٠	ΑN	···········
Sample Time 15	eldwos OS,	Sample Location:	bulgry dund	well port	) jookds	Doller officer
Comments:						
				ļ		
Initial Depth to Water (# BTOC):	ater (ft BTOC):			- 	Measure Point: Well TOC	Well TOC Sheel Cosing WATER LEVEL METER SERIAL NUMBER:
wb (well bepth -	WD (Well Depth - from table) if btoc:	lack, cloudy.		odor/none, su	none, sulphur, organic, other	nic, other <b>solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Slit, Sand

	1	ORP	136.3	19:4	908	- 10. i	85.4	4.13								
		201 1)/0	2:00.0	٥,00,٢	5100.0	9.00iT	7,000	3/00.0								
		Salinify PPT	רוין	11.4 1.18	716	8111	1.17	1.15								
	Other temporary pump	Temb.	29.62	20.68	20.89	30.54	20%2	20.40								i
4 24 01 4 24 0 <sub>6</sub>	l 1	Diss; Oxygen mg/L	:0.33	10.13 20.35	10.03	10.20	10.34	10.39								
Sampling Event  Date  Poge	Og 28 De@ uno Grundtos RF-2 24.3	Turbicality NRU	401	356	583	360	112	116							8560	<b>X</b>
Sampli	Start Time: Purge Method: Pump Type Min. Purge Volume	Conductivity Uxom	2265	2178	2822	2283	22&1	2287				•	- · .	le Appearance / Remarks	Sample Time	
oling		<b>j</b> a	h8.8	55.50	\$.73	8:41	5.62	6.60						ppearance	Ş	B1 - 3424-06-EB
PG&E Hirkley Groundwater Sampling ০০০৭০৭৪৮-১ ৪৮- ৪৮৮৮৮ ১৭৭৭	Steel Casing / MP	Purge Rate gom o moon	ه٠٤	1.0	0,1	Oγί	1.0	1.0						Somple A	ঠ	사
G&E Hirkley Grou Ocoster@e-1 Oke- 8)szetek Sssag	42 64.62 Well (20 19 19 19 19 19 19 19 19 19 19 19 19 19	Vol. Purged gallons or mt	7	؛ و	<u> </u>	81	22	2.6							Bi -04-24-06	
	Well / Station ID Initial Depth to Water Measure Point: Row Cell:	DBN:	83.75	83.76	17.CX	\$3.70	55.27	\$3.77						800		ရွိလူ
Project Name Job Number Field Team Field Conditions	Well / Initial De	Timie Hinami (24-m)	7860	36 PO	g v	GA AG	2560	9360						Sampling Location	Sample ID	Fiet
					,		***************************************			<del></del>				Š	, <u>.</u>	

			1		ORP.	£.3	50.5	55.3	ya. §	8.19	64.7	67.5	8-8-9								
					TDS 9/4	90000	3.000-	7 000.0	C000-0	L 0.20 D	0.007	9.30g	9.000g								
			g		Solinity PPI	0.43	0.47	250	0.57	2.35	0.51	928	0.54								
			Other temporary pump	18	femp.	21.88	22.96	22.58	23.07	23.09	23.07	23.13	23,10								
4124106			_	units: 54ts	Diss, Oxygen mg/L	6.19	6.41	6.88	7.0%	7.16	7.30	٦.54	7.35	:							
Sampling Event	Poge	1112	Dedgump Grundfos RF-2	15.5	Turbidity Nru	2	23	2.1	is	fo	8	_	۲							2213	
Sampil		Start Time:	Purge Method: Pump Type	Min. Purge Volume	Conductivity wice	818	ठीदन	1401	10 855	1110	1,42	1973	(170						Sample Appearance / Remarks	Sample Time	
pling			3 / MP	Σ.	) <b>id</b> :	8.1	8.6	ار من	F 20	%.⊀	چ-ز <del>ر</del>	7-0	<u>د</u>						ppearance	Şa	
ndwater Sam			Steel Casing / MP		Perge Roje gem or netern	Ÿ	۲	ړ	À	'n	نج	Ņ	٧						Sample A	Г	
PG&E Hinkley Groundwater Sampling	263724941 14 - 134272111	A~~443	96.47 wellow	Z O	Vol. Purged gallois or mi	4	7	و	<b>y</b>	Q.	12	Ţ	تة						:	30-42-40	
		Well / Station ID	Initial Depth to Water Measure Point;	Flow Cell:	OTAN Keeffaalow MP	36.4T	94.16	96.46	96.4C	36.36	طالع عاد	96.46	95.96							30-42-40- 814 -MW	Field QC Samples
Project Name	Job Number Field Team Field Conditions	Well /	Initial De		Time - His WM (24-11)	1116	1120	Ken	112	1132	92))	(Ma	চ্চা						Sampling tocation	Sample ID	Fie
							<del></del>											 	 S		

				ŀ		ORP	25.0	27,0	922	25.5	22.5	2,4	512	لاباء	2112	2).2				i		
				:		1/6 30,1	0.0003	5000	0.0003	a 0003	6 app	A 0003	5 000 V	0.3003	30003	5000						
				Q		Soliratiy PPT	0.22	9.22	0.22	22.0	6.22	0.22	0.12	0.12	0.24	0:22						
				Other temporary pump	ال	clime)	4472	29.15	2922	22.79	22.\$3	22.95	23.00	22.58	24.03	2305						
412-10	yendor	jō		_	volts: gals	Diss. Oxygen mg/L	5:45	5.51	5.54	5,57	5.54	5.54	5.33	5.53	5.84	કે.જ્ય						
Sampling Event	Date	Pooe	1232	Deg (Jung)	18.2	Turbidify Ntu	4,	રેદ	20	34	30	25	23	y	2.5	70	ï				37	
Sampli			Start Time;	Purge Method:	Min. Purge Volume	Conductivity.	7,1/2	460	424	Wh	414	לגו	625	حادثا	694	455				/ Remarks	Sample Time (334	[]
pling	•			٩		<b>110</b>	4.3	9.1	4.1	٩.(	9,0	g.	9.0	9.0	4,1	4.1				Sample Appearance / Remarks	Sar	
indwater Sam			:	also y criso y leads		Purge Rafe n	٠5	,۶	٠,	٧.	بد	٨	۲,	Ŕ	٠,	Ļ				Sample A	Γ	
PG&E Hinkley Groundwater Sampling	Choury ARC	Bee-Blandeth Franz	mw-83	(G-  2	~	Vol. Purged gallors or ml.	۲	7	9	80	10	12	ブ	Ţ	18	<b>62</b>					90 - 42 - 40	
	Job Number 6		Well / Station ID	Initial Depth to Water	Flow Cell:	ju o stojioš Javy-kojedjejej pešina ľok MIG	98.97	25.97	95.48	15-48	35.48	35.28	95.18	45,5%	95568	45.94					90-12-10-65-/W	Field QC Samples
Project Name	N dol	Field Team Field Conditions	Well /	Initial De		fine HHMM (24-hg	7536	0421	1244	<i>አ</i> አ የነ	12521	1256	1300	(30H	1308	13,2		:		Sampling Location	Sample ID	Field

Job Ne		HARLES BEST		1	\$	ompling Event Date	<del>-</del> ,	enton Evilon		
field Field Cond	Team dilions	Be- Burney			<del></del>	Page	lo	_		··· <u>-</u>
	Depth to Y	nber	3	_		ri lime 1250 ate Number			Dupl, Time	
		Point: Weppoc Cell:gr / N	Steel Cos			elhod: 0ed.⊗mp 901/ <b>() 4</b>		(gpm)/(m <b>(</b> pp		
Waler Level	Time	Vol. Purged		Conductivity vS/cm	Turbidity NTU	Diss. Oxygen	Temp,	Salinity	TDS g/L	Eh/
86.54	1356	1000	4,4	1764	71	7.3	2083	0.40	9.0011	13.
16.54	1358	2000	9.5	1271	15	7.6	20,71	0 90	0.0012	15
<b>86.54</b>	1400	3000	9.7	1785	8	8.6	20.39	0.91	10012	24.7
वर-रूप	1402	4000	1.7	1793		8.90	20.25	0.21	0.0012	24.2
K6-557	1404	5000	4.5	1797	5	8.93	zo.16	0.91	0.0012	26.
iample Time	1405	Somple Lo	cation:	pump Doing w	eliport do	mestic spigot bailer	Other	L		<u> </u>
Remarks		<del>-</del>				The spigor built				
Well/Sam	ple Num	ber			Slor	1 lime				
Initial C	Depth to V	Vater		, <u>, , , , , , , , , , , , , , , , , , </u>	•	ote Number	· <del></del>	<del></del>	7	
		Point: Well TOC	Steet Cosi	- #a		ethod: Ded. Pump	Other		Dupt. Time	<u> </u>
		Cell: Y / N		_	rge Volume (ç		_	(gpm)/(mlpm		
Water	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	$\overline{}$		
Level		gañons / liters / mi	, ,	uS/em	NTU	mg/L	•C	Salinity	TDS	Eh/
								l FFI	1 0/1	l n
	·			1				PPT	g/L	nr.
								PFI	9/L	
									g/L	
								PFI	g/L	
									9/1	R
									9/1	
									g/L	
									g/L	
Sample Time		Sample Lac	cation:	pump lubing we	an port do	mestic spigot boiler	Other		g/L	
Sample Time Remarks		Sample Lac	cation:		an port do				g/L	
	-	<u> </u>	cotion:		<u> </u>				g/L	
Remorks Well/Sam	-	ber	cation:		Star	mestic spigot boiler				
Remorks Well/Sam	ple Num Depth to W	ber		pump lubing we	Star <b>Duplice</b>	mestic spigot boiler Time_	Other		Dupl. Time	
Remorks Well/Sam	ple Nurti Pepth to W	iber		pump lubing we	Star <b>Duplice</b>	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump	Other		Dupl. Time	
Remorks Well/Sam	ple Nurti Pepth to W	her Vater		pump lubing we	Stor <b>Duplice</b> Purge Me	mestic spigot bailer  I Time  Ite Number  Ithod: Ded Pump  oil/(t.)	OtherOtherPurge Rate	(gpm)/(ml.pm	Dupl. Time	
Remorks Well/Sam Initial E	ple Num Pepth to W Measure I Flow	Vater Point: Well roc Cell: Y / N	Steet Casin	pump lubing we	Star <b>Duplice</b> Purge Me rge Volume (g	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump	Other		Dupl. Time	Eh/
Remorks Well/Sam Initial E	ple Num Pepth to W Measure I Flow	Vater Point: well foc Cell: Y / N Vol. Purged	Steet Casin	pump lubing we may may Min. Pur Conductivity	Stor Duplice Purge Me rge Volume (g Turbidity	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump  Idi)/(L)  Diss. Oxygen	OtherOtherPurge Rate	(gpm)/(ml.pm	Dupl. Time	Eh/
Remorks Well/Sam Initial E	ple Num Pepth to W Measure I Flow	Vater Point: well foc Cell: Y / N Vol. Purged	Steet Casin	pump lubing we may may Min. Pur Conductivity	Stor Duplice Purge Me rge Volume (g Turbidity	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump  Idi)/(L)  Diss. Oxygen	OtherOtherPurge Rate	(gpm)/(ml.pm	Dupl. Time	Eh/
Remorks Well/Sam Initial E	ple Num Pepth to W Measure I Flow	Vater Point: well foc Cell: Y / N Vol. Purged	Steet Casin	pump lubing we may may Min. Pur Conductivity	Stor Duplice Purge Me rge Volume (g Turbidity	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump  Idi)/(L)  Diss. Oxygen	OtherOtherPurge Rate	(gpm)/(ml.pm	Dupl. Time	Eh/
Remorks Well/Sam Initial E	ple Num Pepth to W Measure I Flow	Vater Point: well foc Cell: Y / N Vol. Purged	Steet Casin	pump lubing we may may Min. Pur Conductivity	Stor Duplice Purge Me rge Volume (g Turbidity	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump  Idi)/(L)  Diss. Oxygen	OtherOtherPurge Rate	(gpm)/(ml.pm	Dupl. Time	Eh/
Remorks Well/Sam Initial E	ple Num Pepth to W Measure I Flow	Vater Point: well foc Cell: Y / N Vol. Purged	Steet Casin	pump lubing we may may Min. Pur Conductivity	Stor Duplice Purge Me rge Volume (g Turbidity	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump  Idi)/(L)  Diss. Oxygen	OtherOtherPurge Rate	(gpm)/(ml.pm	Dupl. Time	Eh/
Remorks Well/Sam Initial E	ple Num Pepth to W Measure I Flow	Vater Point: well foc Cell: Y / N Vol. Purged	Steet Casin	pump lubing we may may Min. Pur Conductivity	Stor Duplice Purge Me rge Volume (g Turbidity	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump  Idi)/(L)  Diss. Oxygen	OtherOtherPurge Rate	(gpm)/(ml.pm	Dupl. Time	Eh/
Remorks Well/Sam Initial E	ple Num Pepth to W Measure I Flow	Vater Point: well foc Cell: Y / N Vol. Purged	Steet Casin	pump lubing we may may Min. Pur Conductivity	Stor Duplice Purge Me rge Volume (g Turbidity	mestic spigot bailer  Time  Ite Number  Ithod: Ded Pump  Idi)/(L)  Diss. Oxygen	OtherOtherPurge Rate	(gpm)/(ml.pm	Dupl. Time	

Project Name PG&F Hinkley Bac	ckground S	fudy		Sam	Sampling Event 1988 C 40 C	
Job Number 328060.BS.WS.00					Date 4-25-06	
Field Team WG / 165	Field Cond	Held Conditions S かんし	2		Pageof	
RG S	10	075250	 	GC Sample ID	QC Sample Time	
╌			Purg	Purge Method: Sn	1 Set Ded Pump	
	umber: Cl o	1911 M	in. Purge	me (gal)/(L)		
Woter Time Vol. Purged	Hd	Conductivity	Diss. Oxygen	Temp.	Comments (See descriptors below)	
Cevel 0.12 0.00	108	7010	699	12.3		
2 5	-	7 510	7.19	21.7		
1	-	2143	80.0	21.8		
Τ.	0	0.143	85.01	21.8	Laboratory and the state of the	
1		0.140	6.SO	22.1		
Ţ						
				i i		
	+/- 0.1	+/- 5%	4/- 0.5	N AN		
Parameter Stabilization Criteria:	pH units	}	mg/t			
Did Parameters Stabilize prior to sampling?	,	4	,	<b>1</b>		
Sample Time 10:27 Sample Location:		pridnt dmnd	well port	X) toplas	boller other	
Initial Depth to Water (ff BTOC):			_	Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:	l
WD (Well-Bepth - from table) if btoc:  Color clear grey, yellow, brown, black, cloudy, green	ack, cloudy,		Odor(nohe, sulphur, organic, other	ulphur, organ	c, other <b>solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand	

Project Name PG&E Hinkley Background Study	ev Backgro	und Study			Sam	Sampling Event 4906	70b 2 70b	
Job Number 328060.BS.WS.00	3.00					Date	4.25.06	
Field Team Kt/w6		Field Conditions アレハウ	グレコハト	7		Page	of	
A Contract of Cont	RCS A	042506	ي	_	GC Sample 10		QC Sample Time	
Purce Stort Time 11.09		20			Purge Method: 54	x work	Ded. Pump	
Flow Cell: Y / N Instrument Serial Number: C ( 0   91 (	Serial Number	C1019	Min	. Purge Volume (gal)/(L)	ne (gad)/(t.)		Purge Rate (gpm)/(mLpm)	
Water Time Vol. 8	Vol. Purged policins / lifers	PHO Sand	<u>₹</u>	Diss. Oxygen	Temp.	Comments (See descriptors below)	I's below)	
7 11.11	L	1120 8-1	117	260	22.5			
p001 11:11	<del> '-</del> -	PUS 0 509	60.	29.5	22.D			
1		╁╼	2	JC 8	22.2			
11:20 2249		75 OF	Q Q	6.35	22.3			
Τ'''	1		70 1	3.60	22. Y			
O	-	4	0	0.43	22. U		The state of the s	
PACA TIC	7	39 0214		6.3	225			
11:37 500	7	40 Oz	15	46	226			
	-	-		 				
	+	+/- 0.1 +/-	5%	+/- 0.5	₹Z			
Parameter Stabilization Criteria:		pH units	$\dashv$	mg/L				
Did Parameters Stabilize prior to sampling?	/jing?		ار	7	NA			
Somple Time 11:40	Sample Location:	n: pump fubing		pod liew	> toplas	Doller	other	1
Comments:								I
							in the state of th	
Initial Depth to Water (# BTOC):					Measure Point:	WellToC	Steel Cosing WATER LEVEL METER SERIAL NUMBER:	
WD (Well Depth - from table) ff bloc:	btoc:			(		, , ,	Reliate Trace Committee Med Dis Trace Dis Particulate, Sift Sand	. Silt. Sand
Color clear green ellow, brown, black, cloudy, green	wh, black, c	loudy, greer		orginale, st	Odorigiane, suipliul, organic, oniver	(c. 0)	100 miles	

3

Month Survey of the survey of

Project Na Job Nu Field I Field I Field I Well/San Water Water Level Comments:	Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00 Field Berm 1/5 1,36 Field Conditions C J J J		Number   B(c) - 10 - 0-1-000 ac sample to	Purge Method: 2010		Time Vol. Purged pH Conductivity Diss. Oxygen Temp. Comments  Qallons / liters  S ✓ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	0.15 21.0	1 1500 15 7 10 168 7 160 TI	4	12:01 2 799 7.72 0.175 7.55 23.5	12:08 48 49 7.73 0 173 7.89 23.7	1213 123 1767 168 7.63 235				-	Parameter Stabilization Criteria: pH units +/- 5% mg/L mg/L	ling?	1215 Sample Location: pump tubing well port splgot \infty baller other		Medsure Point: Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:	ptoc:	grey, yellow, brown, black, cloudy, green Odorkoppe, sulphur, organic, other solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand	
[7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	oct Name PG&E ob Number 328060.	4	Well/Sample Number	Purge Stort Time	∍II: Y / N Instrun	Ilme	7	2		12:01	30:21	-					er Stabilization Cr	eters Stabilize prior to		:5	th to Woter (# B)	Depth - from tab		

roject Nai	ject Name PG&E Hinkley Job Number 328060.BS.WS.00	Project Name PG&E Hinkley Background Study Job Number 328060.85.WS.00	kground S	stuck		Samp 	Sampling Event 1966 Date 4	4,25.0	ا ا	
Fleid Team	am 16	1 B K	Field Conditions	3	400		Раде	of		
mpS/ile	Well/Sample Number		865-05-0425	45506		QC Sample ID		8	GC Somple Time	
Purge Start Time	14 Juli		*		8) Air Teuh Purge Method: \$\int 1000 \text{Airms} \text{(cava)}	e Method: 12	prod	Ded. Pump	(malm)	
v Cell: Y	/ N Insfr	iment Serial Nc	mber;	-7	William Fulge volume (gov)			2000		
Water	Time	Vol. Purged gallons / litens	Ŧ.	Conductivity	Diss. Oxygen	Temp.	Comments (See descriptors below)	ors below)		
┞	14:21	) 00°,	8.42	12.67	L h' &	20.34				
1	1423	10801	S	12.68	58.9	20.76		5		
=	14.25		802	12.03	265	20.33			W-5-	
	4.30	24 year	10.8	12.61	5. SU	20.72				
-										
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1										
1			1/101		+/- 0.5					
eter Sta	Parameter Stabilization Criteria:	Viteria:	pH units	%G -/+	mg/L	Æ.				
ameters Si	tabilize prior	Did Parameters Stabilize prior to sampling?	7	>	5	Ϋ́				
Sample Time	14.33	Somple Location:	]	pump tubing	well port	X topiqs	baller	other		
Comments:										
Depth to	Initial Depth to Water (# BTOC):	BTOC):				Measure Point:	Well TOC	Steel Casing W	Steel Cosing WATER LEVEL METER SERIAL NUMBER:	
/ell.Dept	th - from to trey, yellow	WD (Well Depth - from table) if btoc:	ck, cloudy,		Odor: none, su	Odor: 100%, sulphur, organic, other	; other	Solids: Trace, S	<b>solids:</b> Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand	articulate, Sitt, Sand
					)					

Well/Sample	roject Name PG&E Hinkley	● PG&E	Project Name PG&E Hinkley Background Study	kground	study		Sami 	Sampling Event rate 2 40 6
Purge Method: Sprit of the following of	Fleld Tear	الد لا	133	Field Conc	2		\   	.
### Purge Method: \$201.201  ### Diss. Oxygen Temp. Comments  ###   Comments  ##### Comments  ##### Comments  ##### Comments  ###################################	lamps/ll	qunk e	or 1865	-27	0425	R	ac Sample ID	
Min. Purge Volume (goly)(L)  Comments  Comment	ge Start Tim		1. W. 4	1		Purg	e Method: 24	P) of
So well port splicer. Some and the comments and the comme	/ Cell: Y /	N Instrun	nent Serial Nic	mber: Cit		Min. Purge Volui		1
5% +/- 0.5 NA Measure Point: Well TOC Odor: Naths sulphur, organic, oither	 		Vol. Purged	Hd	Conductivity	Diss. Oxygen		Comments (See descriptors below)
5. 0. 22.2 5. 7. 7. 21.7 5. 7. 7. 21.7 5. 7. 7. 21.7 5. 7. 7. 21.7 7. 7. 21.7 8. 7. 6.0 21.6 Nag/L 21.7 8. 7. 6.0 21.6 NA mg/L NA NA Sulpot Date Date Date Other	el el		Collors / Itlers	9	W Mar		À	
5% 7.72 21.7 3 7.72 21.7 3 7.60 21.6 3% 7.60 21.6 Mg/L NA NA Splort Nell TOC Neasure Point: Well T		1		6.14		100	6 60	, and the state of
\$ 7.72 21.7 \$ 7.70 21.6 \$ 7.70 21.6 \$ 7.70 21.6 \$ 7.70 21.6 \$ 7.70 21.6 \$ 7.70 21.6 \$ mg/L NA	14	96	Sacis	7.86	57.	8.06	777	
\$ 7.72 21.4 \$ 7.00 21.6 \$ 7.00 21.6 */- 0.5 NA mg/L NA  Measure Point: Well TOC  Measure Point: Well TOC  Measure Point: Well TOC	45 14	3/1	101	753	38.4	6.32	21.7	
\$ 7.76 21.4 \$ 7.60 21.6 \$ 7.60 21.6 \$ 7.60 21.6 \$ 8/4 - 0.5 NA	3	t	20	7.42	38.3	247	21.4	144 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3 7.60 21.6 5% +1/- 0.5 NA mg/L NA y Well porsplgat baller_  Measure Point: Well TOC  Neasure Point: Well TOC	7	2	7	7.42	28.2	776	21.4	
5% +/- 0.5 NA mg/L NA spigot boiler,	3	t	42	745	58.3	200	21.6	
5% +/- 0.5 NA  mg/L  NA  Measure Point: Well TOC  Ador: Mathe sulphur, organic, other	1		*					
5% #/- 0.5 NA  #g/L NA  #godor well por								
5% +/- 0.5 NA  Mg/L NA  Measure Point: Well TOC  Measure Point: Well TOC  Measure Point: Well TOC								
5% +/- 0.5 NA  mg/L NA  y y Well porsplgat	-	+						
5% +/- 0.5 NA mg/L NA solgot								
5% +/- 0.5 NA  Mg/L  NA  NA  Solier.  S								
5% +/- 0.5 NA    Mg/L NA								
Measure Point: Well TOC  Ador: Rather, sulphur, organic, other		-		+/- 0.1		+/- 0.5	ΨZ	
And NA solies, solies, well port solies, solies, solies, solies, sulphur, organic, other	eter Stabi	lization Cr	iteria:	pH units		Hg/L		
And well por splant baller.  Measure Point: Well TOC  Odor: Rather sulphur, organic, other	ameters Stat	bilize prior to	sampling?	7	<b>&gt;</b> -	5	NA	
Measure Point: Well TOC  Odor: Rathe, sulphur, organic, other	Time	454	Sample Lo	cation:	Bujant dwind	well port	spigat	
Measure Point: Well TOC  Odor: Rathe, sulphur, organic, other	ents:							
Odor: notine, sulphur, organic, other	M of those	Vater (# BI	ÖÖ				Measure Point:	WellTOC
Odor: refine sulphur, organic, other	ell Depth	- from tab	ie) ff btoc:					
	oleg, gre	y, yellow,	, brown, bla	ck, cloudy,		Odor: Rafiles St	ulphur, organi	

Project	Jame PG&F	Project Name PG&F Hinkley Background Study	:karound !	Study		Sam	Sampling Event 168 / 2 06
N GO	Job Number 328060.85.WS.00	J.BS.WS.00					Date 04/25/06
Field	Field Team 10G	786	Field Conditions	ditions 500	400		Page of
		SUP LE SAB	7,7	JACKA		C compte 10	School Trae
Well/So	imple Numi	per COS	1,1	1400	, ]		7
Purge Sto	Purge Start Time 15:12	12	- B	,	Purg	Purge Method:	Sea Paris
Flow Cell:	Y / N Insfr.	Flow Cell; Y / N Instrument Serial Number:	- 1	CMC	Min. Purge Volume (gd)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(mLpm)
Water	Time	Vol. Purged	Ha	Conductivity	Diss, Oxygen	Temp.	Comments
Level		gallons / liters			mg/L	္	(See descriptions below)
	15.75	(099)	10.8	17.00	6.03	20.73	
	<u>ئ</u> ري	1000	00.8 8	17.13	5.50	25.23	
	1521	18.00	7.87	1724	67.7	2090	Electron Service Servi
		607		),,,			
						5	
			i				
	ļ					ŀ	
					4		
Parameter	Parameter Stabilization Criteria:	Zriferia:	+/- 0.1 pH units	*/- 2%	+/- 0.5 mg/L	<b>∀</b> Z	
Did Paramete	Did Parameters Stabilize prior to sampling?	to sampling?	7	7	Y	NA	
Sample Time	15.28	Sample Location:	cotion:	bulght dund	well port	≯ <sub>jobids</sub>	boilerother
Comments:					:		
							The state of the s
Initial Depth	Initial Depth to Water (# 8TOC):	BTOC):				Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:
WD (Well D∢	epth - from to	WD (Well Depth - from table) ff btoc:			<u> </u>		
Color: clear	,) grey, yello	color: clear, grey, yellow, brown, black, cloudy, green	ick, cloudy,	green	Odor: (non)e, sulphur, organic, other	ulphur, organ	ic, other 'Solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand

Project N	lame i	Caklen			Se	mpling Event	- 4	Indel		
-	-	X-047484-1		\		Date		4/25/00		
	Team	BK- Henetch	<del>-</del>			Page	of			<del></del>
ield Con	ditions	8/227								
Vell/San	ple Num	ber hw-tr	-04- <b>2</b> %-	A.	Sign	1 Time 19940				
		Vater_ 1994		· <del>·</del> .		ate Number	<del> </del>		٦	
411101		Point: Well I			•		<u> </u>		Dupl. Tim	e
			31 <del>881</del> CG3			elhod: Degrump	Other		·	
		Cell: 8 / N		<del></del>	rge Volume (		Purge Rale (	gpm]/(mLpm	3.83	
Wolet	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh/C
Level		gallors / filers / ml		uS/cm	UTN	.mg/t.	ిం	PPT	g/L	mv
95.16	0445	2	4.8	LY iz	<u> </u>	697	20.44	6,71	0.483	-24.1
75.96	०१५ ५	4	8.8	1521	7	5.12	2644	0.78	9.583	-29.
45.46	0146	6	<b>\$.</b> 4	1530	<u> </u>	5.78	26,26	0.88	0983	-60
95.46	0444	4	8.8	1535	6	6.02	70.27	0, 58	3,9,1	-5%
45.96	0050	10	9.7	1536	6	6.04	20.18	0.87	0.91	-5%
										+ <del></del>
										<del>                                     </del>
·										†
mple Time	cste-	Sample Loc	ration:	pump(luging w						<u> </u>
		. John Jac 100	JOHOH.	Annia Market	en bou qo	mestic spigot baller	Other		<u></u>	
Remorks	<u></u>	·····				<u> </u>				
Yell/Sam	ple Num	ber _^\\	1R-04-	.c. oc.	Store	1 Time 1/24				
									1	
II MARCII I		Vater 43		-		ote Number [	Mw-42-01	-25-£	Dupt. Time	1440
		Point: Well 160	Steel Casi	-		ethod: Dea®emp	Olher			
	Flow	Cell: Ø/N		Min. Pu	rge Volume (g	of]/(L) 5.5	Purge Rate (	gpm)/(mLpm	500	_
Woler	Time	Vol. Purged	pН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh/Q
Level		gallons / Riers / mi	<u></u>	uS/cm	NTU	mg/L	℃	PPT	g/L	my
43.42	1056	1000	8.7	17394	6	7.0	20.42	9,91	∂.601 \	1.9
43,43	1024	2000	8.6	1806	7	7. L	20.65	0/72	0.0012	116
£7.43	1030	3000	8.6	ાલુકદ	5	7.2	2068	0.72		
83.43	1032	Y000	4,5	1805	ς	2.2	20.74	5.92	0.0012	11.8
83,43	1034	5000	4.5	12514	5	7.4		<del></del>	\$.0012.	15.5
43.93	1035	5500	8.5	1603	<del></del>	† <del></del>	20.184	0,1/2	0.9012	K.7
49,12		7	- 5.2	1 1 1 1	· <u>)</u>	7.5	20.34	2.92	0,00, L	20.0
				<del> </del>	· · · · · · · · · · · · · · · · · · ·	<del>}-</del>	<del></del>			ļ
		<u> </u>	<del></del>			<u> </u>		<u> </u>	<u> </u>	
mple lime	losy	Sample_Loc	cation:	pumpusing we	porl do	mestic spigat bailer	Other			
Remarks										
1-H/C	-1- 11						·		· · · ·	
veir/sam	ipie Num	ber 3	281-04	-25-06	Stor	t TimeUr				
Inilial (	Depth to V	∕ater <u>¢\$</u>	.73	_	Duplico	ite Number	· ·		Dupt. Time	2
	Measure	Point: Well 🐼	Steel Casi	ng	Purge Me	thod: Ded Dump	Other			
		Cell: 07 / N			rge Volume (g		_	oom) /(m) offi	A	
Waler	Time	Vol. Purged	2H	<del>, ,</del>	<del></del>			90m)/(mt@ <b>()</b> )		<del></del>
Level		gallons / filers / mi	ρΗ	Conductivity us/cm	Turbidity NTU	Diss, Oxygen	Temp.	Salinity	TDS	Eh/Q
	4 =		8.5	<u> </u>		mg/L	*€	PPT	g/L	u3∧
82.43	117	7000		800	- 6	6.47	23.34	23%	2.0005	- 3.35
<u> 85.43</u>	11 500	3000	86	988	<del>•</del>	5-8	23.33	0.35	0.5005	-17.1
45.43	1127	4500	8:5	787	6	55	<b>Z3-49</b>	0.38	7.005	-11.0
45.43	1126	5000	8.5	782	5	5.3	23.60	0.38	6,0005	716
								1		1 7/6
						· · · · · · ·		<del> </del>		<del>  -</del> -
			<del></del>				<del></del>	<del> </del>		<del>                                     </del>
								•		
	·							<del>                                     </del>	<del></del>	<del> </del>

		7	1		Sam	Sampling Event Cox 2 & 06	2806	
Project Name PG&E Hinkley Background Study	E Hinkley Bac	kground s	ruay		<b>[</b>	Date 4	20.00	
Job Number 328060.85.Ws.Ud	0.88.ws.00	Fleid Cond	Field Conditions SW	3		1	of	
71	ł١							
Well/Sample Number	8,65	) 190-	042606		QC Sample ID		ac Sample Time	
Purge Stort Time	Z			1	Purge Method: 🤰	Ded The	Ded. Pump	
	ument Serial Nu	mber: C1C		Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge	Purge Rate (gpm)/(ml.pm)	
Water Time	Vol. Purged	Hđ.	Conductivity	Diss. Oxygen mg/L	Temp. °c	Comments (See descriptors below)	w)	į.
1154	9	5,94	49.5	130	1.07			
157	5	6.49	44.8	90.0	b'81		description with a prince of the control of the con	
1200		789	44.2	9,43	18:7			
1203	3633	18.5	43.1	10,25	17.2			
1001	_	189	42.5	1.30	<u>۔</u> ور			
1209		689	41.5	9.57	16.7			
000	)						***************************************	
							mp. Arres de Sonatorio	
i Wan								
		+/- 0.1	+/- 5%	+/- 0.5	٩		1 9 9 9 9 9 9	
Parameter Stabilization Criteria:	Sriterto:	pH units		mg/L				
Did Parameters Stabilize prior to sampling?	to sampling?	۶	5-	7	NA			
Sample Time 12/1	Sample Location:		pridut qring	well port	* topos	poller	other	
Comments:						:		•
								T
official Depth to Water (# 8TOC):	BTOC):			-	Measure Point:	Well TOC Steel	Steel Casing WATER LEVEL METER SERIAL NUMBER:	
WD (Well Depth - from table) # btoc:	rble) ff btoc:							
Color(cleer, grey, yello	grey, yellow, brown, black, cloudy, green	ck. cloudy.		odor(none), sulphur, organic, other ,	Jiphur, organ		Solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand	and
· · · · · ·				)				

WM-586 WM-8

			, 10 11 11 11	4.			Schmoling Event Color Co
Project	Ject Name Plake Hinkley	Project Name PG&E Hinkley Background allucy	KGIOOI IO	siday		<b>§</b>	
Fleid	Fleid Team KE	ν (Σ	Field Conditions	ditions SUA	7		oʻ
9/87m	redamiN elames/ii/w	865	7 22	042606		&C Sample ID	&C Sample Time
Purce Start Time	Time 19:30				)   	Purge Method:	Ded. Pump
Flow Cell:	Y / N Instr	Flow Cell: Y / N Instrument Serial Number: CLO[ 9 1/	imber: Ct	01911 M	lin. Purge Volume (gdl)/(L)	ne (gal)/(t)	Purge Rate (gpm)/(mtpm)
Woter	Time	Vol. Purged gallons / Illers	Нф	Conductivity S	Diss. Oxygen	Temp.	Comments (See descriptors below)
	04:21	394	7.27	0.143	Y.04	22.2	
	12.42	1200	7.23	0,46	7.91	21.4	
	12 46	22 80/	7.25	0.144	7.80	21.1	
	64.21	30.9015	7.17	0.147	7.68	21.1	
		P					The second se
							in the state of th
ļ							
					90		
Parameter	Parameter Stabilization Criteria:	Criteria:	+/- 0.1 pH units	+/- 5%	+/- 0.5 mg/L	٧Z	
Did Paramete	Did Parameters Stabilize prior to sampling?	r to sampling?	<b>-</b>	5	>	NA	1
Sample Time	12:50	Sample Location;	cation;	pump tubing	well port	toglos	boiler other
Comments:							
Initial Deptt	Initial Depth to Water (# BTOC);	BTOC):			-	Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER.
WD (Well D	epth - from to , , orev _vello	WD (Well Depth - from table) if btoc:	ok cloudy.		Odor: Noney sulphur, organic, other	iphur, organ	nic, other <b>Solids</b> : Trace, Small Qu. Med Qu. Large Qu, Particulate, Silt, Sand
	2004: 400						1

Project Name PG&E Hinkley Background Study	9 PG&E	Hinkley Bac	:kground S	Hudy		Sam	Sampling Event +686 7 9 0 6	
Job Number 328060.83.WS.00	³r 328060.	BS.WS.00	}				Date 04/26/00	
Field Team 165	" <b>K</b> £	2 m/	Field Conditions	yitlons 6	א טע,		Page of	
redamiN elomos/How	Ami N	╟	865-10 0-1260	12604		QC Sample ID	GC Sample fine	
Well/sumple		J			P <sup>r</sup>	Purge Method: S	A 6 or A Ded. Pump	
Flow Cell: Y / N Instrument Serial Number: C101 91	N Instrum	nent Serial N.	mber: C11		Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(mLpm)	
Water	Ime	Vol. Purged	Hd	Conductivity	Diss. Oxygen	Temp.	Comments (See descriptors below)	
10±01	13:18	12 4915	499		586	250		1414
1	22	219917	Ļ.	0.15	SOS	84.9		
	7	20000	. [	57		24.60		
13	╁╌	39 apla	7		25.9	245		is your property of
┿-			7.75	\$0.8	1107 SE	24.5	the state of the s	
							44.7	
							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
							The state of the s	
							A CAPATAL AND	
		-						
	1						Line and the state of the state	With the second
	+-							
	1		7.0		7+			
Perometer Stabilization Criteria:	ization Cr	iteria:	pH units	*/- 2%	mg/L	<b>∢</b> Z		
Did Parameters Stabilize prior to sampling?	xlize prior to	sampling?	2	2	5	ΑΝ		
Sample Time	3:37	Sample Location:		pump fubing	well port	splgat	boilerother	
Comments:								
							The second secon	
Initial Depth to Water (# BTOC):	/ater (# B)		0.7°		-	Measure Point:	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER;	BER:
WD (Well Depth - from table) if btoc:	- from tab	ile) ff bfoc: _			<i>\\</i>			
Color(cleg), grey, yellow, brown, black, cloudy, green	y, yellow	; brown, blak	ck, cloudy,		Odor(nope, sulphur, organic, other	ıtphur, orgar	s, other solids: Trace, Small Qu, Med Qu. Large Qu, Particulate, Sllt, Sand	u, Particulate, Silt, Sand
					}	i.		

Project N	ame PG&E	Project Name PG&E Hinkley Background Study	kground S	study		Sam	Sampling Event 1886 2 Q O C
Job Nu	Field Team K ( W	2 ( W G	Field Conditions	Altions			Page of
3/11-7/11	Joseph Alexander	ш∟	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	PCS-15 NUZIONO		QC Sample ID	GC Somple Time
Well/3d	well/sample indiniber	╗┪	2	2		Purge Method: 5	Ded. Pump
Flow Cell:	Y / N Instru	Flow Cell: Y / N Instrument Serial Number: Clot 911	imber: <u>Ci c</u>		Min, Purge Volume (gal)/(L)	ne (gal)/(t.)	Purge Rate (gpm)/(mLpm)
Water	Time	Vol. Purged oallons / Wers	£	Conductivity	Diss. Oxygen	Temp. ိင	Comments (See descriptors below)
	15 21	16001	1.9%	97.3	7.46	22.6	
	13:54	3890/	7.87	93.1	6.87	223	and the second s
	13:57	46991	7.86	20.8	8.99	220	A COMPANY AND A
	10.4	56231	7.20	90Co	903	222	
	14:09	(0804)	7.87	900	683	22.4	e de la companya de l
	M.D.7	70 ac	7.87	93.4	6.83	22.5	
	× -	,			)		
						ļ	
			+/- 0.1	+/- 5%	4/- 0.5	Ϋ́	
Parameter S	Parameter Stabilization Criterta:	Sriferta:	pH units		mg/L		
Did Parameter	Did Parameters Stabilize prior to sampling?	to sampling?	,	>	5	NA A	-1
Sample Time	ACCOS.	Sample Location:	cation:	pump tubing	well port	tookds .	baller officer
Comments: _	/d: 0						
						ļ	
Initial Depth to Water (# BTOC):	to Water (#	BTOC):	:		-	Measure Point:	1: Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Well De	pth - from to	WD (Well Depth - from table) ft btoc: _					book 418 stoller the deal of control of some control of the contro
Color (clear	grey, yellor	color/clear/grey, yellow, brown, black, cloudy, green	ck. cloudy,		Odor: none, salphur, organic, other	Mphur, orgar	

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Project Name PG&E Hinkley Background Study	PG&E Hink	dey Bac	kground (	study		Samp	Sampling Event Year C C C	
Job Numb	Job Number 328060.BS.WS.00	8.00				ļ	Date 4- 6 6 6	
Fleid Team 106	1 / 9Mu	164	Field Conditions	Utions			Page of	
Well/Samp	آ ھو	BGS 04	'	0426CG		QC Sample ID	MW. 91.000000 TIME	45 ×
Purge Start Time	11.19		1		1	Purge Method: S	000 Pump 0000 Pump	(C) 1
Flow Cell: Y / N Instrument Serial Number: CLO 1 91.1	N Instrument	Serial Nui	mber: <u>C [ (</u>		Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(mlpm) B63 - 04.5 M 2 / M1.2 L	00
water	Time Vol.	Vol. Purged	Hd	Conductivity	Diss. Oxygen	dmb.	Comments (See descriptors below)	
~	14:22 12	1200	7.98	564	7.05	24.2		
N (12.76	1.	100	201	55.9	<i>ي. 870</i>	24.2		
1/2	١v	-8	7.98	55.9	2.8 Ko	24.4		
2100	31 39	100	797	55.9	/گام)	24.1	1444	
		0					A STATE OF THE STA	
	-							
	-						of Transition of	
							- 1-1-5 1-1-5 1-1-5 1-1-5 1-1-1-1-	
							and the state of t	
			ļ					
	_				9 0			
Parameter Stabilization Criteria:	lization Criteric	*	+/- 0.1 pH units	+/- 2%	+/- 0.5 mg/L	Z A		
Did Parameters Stabilize prior to sampling?	bilize prior to sam	Spujidi.	7	5~	7	N.A.		
Sample Time	415 s	Sample Location:	ation:	Bulgny dwnd	well port	> toplas	botter cither	
Comments:								
Initial Depth to Water (# BTOC):	Vater (# BTOC)				_	Measure Point: Well TOC	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:	
WD (Well Depth - from table) ff bloc:  Color/Clear, yellow, brown, black, cloudy, green	- from table)    y, yellow, bro	ff bfoc: xwn, blac	k, cloudy,	green	odor:(none)st	Suiphur, organic, other	c, other <b>solids:</b> Trace, Small Qu, Med Qu, Large Qu, Particulate, Sitt, Sand	It, Sand

Project N	lame	040426 BE-1			Sc	mpling Event		4100		
Job No			- ·	<del></del>	<del></del>	Date	76.	k 6/26.		
Field Cond		DK- Blainerah		<del></del>	<u>.                                    </u>	Page	ot	_		
-	<del></del>	<u> </u>	·		<u> </u>	·····	<del></del>			
Well/San	iple Num	iber Rww.	3-24-3	6.06	Stor	Time <u>ゥÇィィ</u>				
tnitiol !	Depth to V	Voter	\$.00	_	Duplico	ate Number			Dupt, Time	
	Measure	Point: well t🚱	Steel Cosi	ng	Purge Me	ilhod: Ded. Pomo	Other		_	—·—
	Flow	Cell: <b>∅</b> / N		Min. Pu	rge Volume (g	ion)/(r) ) <b>75</b>	Purge Rale	(gpm)/(mLpm)	1	
Woler	Time	Val. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Satinity	TDS	Eh / ORP
Level		gallons / liters / mi		uS/cm	NTU	nyg/L	*℃	PPT	g/L	mv
8000	0849	ک	7.2	1950	5	5.90	21.72	٥٧٥	D0057	/34.3
8p.00	8051	4	7. 2.	No.5"	ş'-	5.73	21.68	0.50	00007	135%
80.00	0853	6	7. 2	1019	5"	5.75	21.15	0.51	0.007	135.1
30.00	0833	8	7. 2	1040	5	581	21.68	0.52	0.00>7	134.3
85.70	9847	טן	7. 1	105 5	9-	5.57	21.71	25.2	0.2007	133.6
					<del></del>			+ <del></del>	10.200.7	
	į								<del></del>	
									<u> </u>	
Sample Time	2000	Sample Loc	ration:	pump tubing w	ell port do	mestic spigot bailer	Olfor		<del>' -</del> ·	<u> </u>
		_		portprenent w	arpan oo	mesic spigor paset	Olher	· · · · · ·		<del> </del>
Remarks							· i. · · · · · · · · · · · · · · · · · ·			
Well/Sam	iple Num	ber nw-2	8B-04	- 215-06	Stor	Time 1241				
Initial (	Depth to V				•	ite Number	<del></del>	-	7	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	Point: Well Ot	_	-	_	_ 1			Dupl. Time	
		Celt: 16/ N	2166I CON		_	thod: Ded. Onp				<del></del>
	·····				rge Volume (g	100)/(L) 4	Purge Rate	(gpm)/(mLpm)	500	
Water	Time	Vol. Purged	Ηq	Conductivity	Turbidity	Diss. Oxygen	Temp.	Satinity	1D\$	Eh/QRP
Level		gallons / Wars / mt		uS/cm	UTM	mgA.	°C	PPT	g/L	mv
84.05	1243	1000	4.02	1794	14	6.46	21.35	0.71	5-0001L	67.7
81.07	1245	১৯২০	7.91	181.	<u> </u>	7.60	21.29	0.90	0.00012	54.1
GLOX	1247	3200	7.78	1611		782	21.24	0.92	0.40012	49.3
84.05	1249	4000	7.50	1816	4	8.33	21.20	0,92	0.00012	1 "
ļ										
								1	<u> </u>	
				,				1		
Sample Time	17.21	Sample Lor	cation:	OUMO MOO W	e# ond do	mestic spigot boiles	O2her		<del>'</del>	<u> </u>
· .				homb Brug Ar	ea port do	Many Shifter Cidiles	Ozner			<del></del>
Remarks		<del></del>								
Well/San	ıple Num	iber Mw-o	8-04-26	- 06	Stari	Time 1305				
Initial (	Depth to W	vater 94.8	5	· · · · · · · · · · · · · · · · · · ·		ite Number			Dupl. time	
		Point: Well 1		NG	-	thod: Ded	Olher		T sobi nue	<b>~</b>
		Celt: 7 N		-	ige Volume (g			Inna Million	Co	
) No		<del>7</del>		,			<del></del>	(3bw)\(wrb		·
Woler Level	fime	Vol. Purged gations / liters / mi	рН	Conductivity us/cm	Turbidity NTU	Diss. Oxygen	Temp.	Solinity	TDS	Eh/ORP
	1304	1200				mgt.	°C	PPI	g/L	mv
94.35			6.76	1214		6.68	<u> থ-১১১</u>	0.60	දැ නාව	33.5
9485	1511	2906	7.72	1221	<u> </u>	5.60	21.62	0.61	<u>8000.0</u>	32.7
94.85	1313	2000	7.63	1247		4.95	21,63	0.12	\$ 000,0	32,1
94.85	1315	4000	7.58	1254	<u> </u>	4.63	21.56	0.63	0,0008	31.2
94.85	1317	5000	7.57	1262		4.41	<u> २४.५६</u>	0.63	0.000 8	30.4
					<u> </u>					
	· · · · · · · · · · · · · · · · · · ·									L
	<u></u>	<u> </u>								
Somple Time	1317	Somple Loc	olion.	pumptabing we	iliupri don	nostic spigot boder	Other		<u>-</u>	

the second of th

Start Time:   Vitalitions   Vitalitions   Start Time:   Vitalitions   Start Time:   Vitalitions   Vitalitions   Start Time:   Vitalitions	Field Co.	Job Number			20	Ed Hips	Sampling Event					
Station   E62-24-34-26-06   Start Time:   VITO		Team					60					
State   1	Well /		3	34-26-06 Steel Cosing		Start Time: Purge Method: Pump Type	-  -		porary pum			
5042 14 4 8.21 316 20 0.93 1797 0.15 0.002 1.2	- ++-	DIW	Vol. Purged	Purge Rate gom or mom	10 - 17 - 17 - 17 - 17	n. Purge Volume	Apple 1	* 5	ouej ,	Salinaty	S©1 1√6	ORP
SOLI	cIII	TO.6(	14.	J	17.3	316	25	040	17.97	2.15	20000	80
5042 36 4 84 31 20 0.92 17.37 0.97 0.0002  5042 40 4.0 31 20 0.97 17.37 0.97 0.0002  5042 40 4.0 317 20 0.97 17.37 0.97 0.0002  5042 40 4.0 317 20 0.97 17.37 0.97 0.0002  5042 40 4.0 317 0.0002  504	316	50.62	74	3-	8.21	316	20	0-93	1742	2,0	ಧಿಯಾಜ	2.72
\$04.2 45 4 8.0 317 20 0.95 17.37 0.17 0.000 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 2	2962	36	-	% ñ	315	2	76-0	17.37	عرج	2000	21.4
3047 60 17.36 0.17 0.082  Sample Appearance / Remarks 5 cast values 8 10 call marks a constant of the constant of the cast control of the cast con	121	50.62	۸۶,	ح ح	\$-10	3,6	67	0.57	17.37	2.00	2000	18.3
Sample Appearance / Remarks 5 CASE (Situres 8 4.0 parts for an archaek or Sample Time 425	h211	2962	09	-	20°25	517	20	0.98	17.36	0.17	e.0002	16.9
Sample Appearance / Remarks S CASE (1914S & 1/2 CALE for m's perfease or Sample Time 425			- <del></del>									
Sample Appearance / Remarks 5 Cast. Colums 9 10 cit. m. in perfect of Sample Time 425												
Sample Appearance / Remarks 5 Cast (1914-15 & 190 part of the hand								•				
Sample Appearance / Remarks 5 CASE Coloures 8 70 peter and an analysis of Sample Time 423												
Sample Appearance / Remarks 5 CASE (1914-45)  Sample Time 425  Sample Time 425												
Sample Appearance / Remarks 5 Case (values 8 1/0 cite put mit per leak se Casample Time 1/2/5												
Sample Appearance / Remarks 5 Cast Coloures 8 7.0 put put has been as a constant of accordance of the stay.												
Sample Appearance / Remarks 5 Casa (values 8 40 pate par air parteux or Sample Time 1/25			-			:						
Sample Appearance / Remarks 5 Cast (views) 8 70 put professor or Sample Time 125												
Sample Appearance / Remarks 5 Case volumes 8 70 peter per min per learn or Sample Time 125					;							
Sample Appearance / Remarks 5 Case values 8 7.0 pute per mis per leak or casus 2 7.0 pute per mis per mis per mis per mis per leak or casus 2 7.0 pute per mis per mi												
Sample Appearance / Remarks Scase coloures & 7.0 pute per mis per leak or case toloures & 7.0 pute per mis per leak or case toloures												
Sample Time 425	ampling Location			Sample Apr	Searance		.		7.0 0:10	· (	\$	54.6%
		27.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	10 design		Sam							
		SC Samples		1		1						

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4126,000 to 1000 to 10	Other temporary pump RF-2 units: 4265	yger Temp Sqiinity IDS	8.22 (7.32 218 0002 144 8.21 17.39 019 6.0002 17.3	8.14 17.27 0.19 0.000 17.5 8.18 17.75 0.19 0.0005 17.8			1 1	stras e 40 quis or till the
Sampling Event 4/2  Date 4  Page of	Start Time: 1124 Purge Method: Ded. Pump Othe Pump Type Grundfos RF-2 Min. Purge Volume 346 tk unit	Conductivity turbidity	387 20	91.2 cs 148				Appediance / Remarks 5 Case Johnnes
PG&E Hinkley Groundwater Sampling Operatory  De Maatel	\$4.5-24-54-24-26 50.62 Well TOP (PVC) Steel Casing / MP	Vol. Purged Furge Rate pH Sallows or fri, gpm. or intom	7 5 9	65.7 Y &i. 65				Sample
Project Name PG&E I Job Number oper Field Team the	Well / Station ID Initial Depth to Water Measure Point: M	AV SOCE	5942	\$0.62 \$0.62				10 (6/5-24-1/1) - 042 (8/6)
Projec Job Fir	<b>Wel</b>	Turie charachana (24 for 1927	of 1.	350 454				Sampling Location

				ļ			ORP	15.7	Ω. 3/	11.8	4.4	9.3											
							176 176	50000	C. 30.0 S	Q 25.0 3	0.000	0,0003									, Se		
				۵			Sqlivity.	91.0	ን ላ	21.9	51.0	9,19									عليهم الناء من		
				Other temporary pump		54.3	ာ့ :dwa <u>j</u>	17.40	36-13	17.37	17.71	17.40									4.0 741.		
44266		     		Other terr	RF-2	units:	Disc: Oxygen	\$1.8	9.27	\$.36	8.47	8.44									valumes es		
Sampling Event	Date	90	114	Ded Fump	Grundtos RF-2	34648	Turbidity Nrtú	(خ	بۇ	٤	्रि	14				:				,	ź	Ž	
Sampli			Start Time:	Purge Method:	Pump Type	Min. Purge Volume	Conductivity us/cm	385	387	38%	350	390									Sample Appearance / Remarks	Sample Time	
pling					J/MP	¥	<b>HÖ</b>	182	7.9.1	7.95	Srot	8.04						,			ppearance	Ş	:
indwater Sam		<b>.</b>	※6-0に	3705	Steel Cosing / MP		Purge Rote gam or mism	7	٧.	7	- <del>y</del>	<b>5</b>					-				Sample A	_	
PG&E Hinkley Groundwater Sampling		5×444	865-340RG-01	χ	Š	s Á	Vol. Purged gallofts or mi	139	7.7	3,(	8,5	ģ										24 1 to 2 do 100 c de 2000	
	Job Number		Well / Station ID	Initial Depth to Water	Measure Point:	Flow Cell:	DTW vol. Purged	4705	5362	56.62	23.62	2062											8
Project Name	N dol.	Field Conditions	/ IIIAM	Initial De	-		Time HENAM (24-ht)	1144	[H)	1(\$0	1153	135									Sampling Location	Sample ID	Field

Project Nam	NO PG&E	Project Name PG&E Hinkley Background Study	:kground	Study		Sam	Sampling Event Land 2 400	
Job Number 328060.BS.WS.00	er 328060	).BS.WS.00					ᅦ	
Fleid Team KE	M KE		Fleld Conditions	ditions Cove	Ko).		Page of	
Well/Sample Nimber	Amin of	1	R65-13.042706	2706		GC Sample ID	D SC Sample Time	
Purce Stort Time	- q	→			Purg	Purge Method:	Ded Pump	
Flow Cell: Y /	N Instru	Flow Cell: Y / N Instrument Serial Number: (101911	Jmber: ((		Min. Purge Volume (gal)/(L)	me (gad)/(t.)	Purge Rafe (gp/m)/fyntpm)	
Water	Time	Vol. Purged	FG	Conductivity	Diss. Oxygen mg/L	Temp. °c	Comments (See descriptors below)	
	23	01	7.50	011.		18.7		
3.12	100	25	7.58	138	8.13	18.4		
11 80 29	1.29	40	7.23	987	8,46	18.3		
	32	35	7.09	98.7	4,07	18.2		
=	35	, ~	86.39	98,4	7,69	18.3	- And Andrews -	
11 40 67	38	××	6.97	98.4	7,76	183		
7	4	00	λ 9g	9,0	×.07	18.5		
101								
							Address of the state of the sta	
	1							
Porometer Stabilization Criteria:	ilitation C	idenia:	+/- 0.1 pH units	+/- 5%	+/- 0.5 mg/L	∢ Z		
Did Parameters Stabilize prior to sampling?	bilize prior	to sampling?	>	٦	2	ďΖ	. !	
Somple Time	145	Sample Location:	cation:	pump tubing	well port	) toolos	botter other	
Comments:								
Initial Depth to Water (ft BTOC):	Water (ft E	3TOC):			-	Measure Point:	it: Well TOC Sheel Cosing WATER LEVEL METER SERIAL NUMBER:	ı
WD (Well Depth - from table) ff btoc:	ı - from ta	ble) ft btoc: _		į				
Color: clear, grey, yellow, brown, black, cloudy, green	ey, yellov	v, brown, bla	ck, cloudy,	. green	Odor:(note, sulphur, organic, other	ulphur, orgal	inic, other <b>Solids</b> ; irace, small stu, ivled stu, talge stu, raillouture, siir, sura	

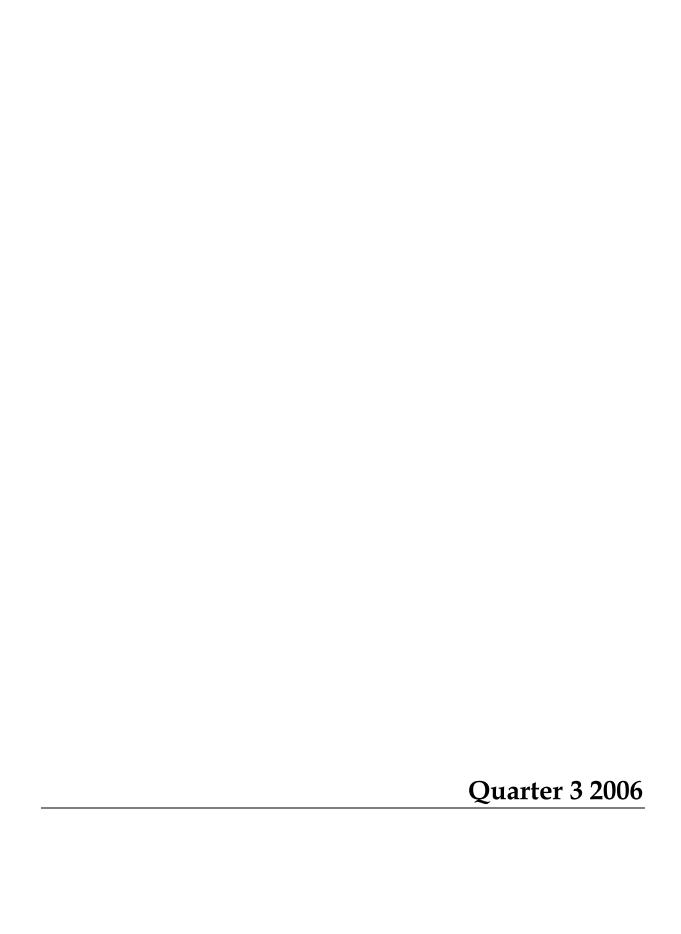
oject Name PG&E Hinkley Job Number 328060.BS.WS.00	16 PG&E er 328060	Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00	kground :	Study		S 	<b>M</b>
eld Tea	Field Team K 8	(JM	Field Conditions	diffons S.	יחת,		Page of
- Namps/	le Numi	Well/Sample Number 36-01-085-01	0-10	85-01	3 <u>04</u>	QC Sample ID	OC Sample Time
Purge Start Time	<u>3</u> 6				Purg	Purge Method: KABL	ABI) Ded. Pump
Cell: Y /	(N) Instru	Flow Cell: Y / (N) Instrument Serial Number:	ımber:	~	Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(mLpm)
Woter	]we	Vol. Purged	풉	Sonductivity	Diss. Oxygen	Temp. ိင	Comments (See descriptors below)
	727	77	8.73	0,109	11,26	25.5	
						i den	
				,			
-							
-							
+							
					•		
				ļ			
$\frac{1}{2}$			+/- 0.1	+/- 5%	+/- 0.5	Ϋ́Z	
eter Stab	Parameter Stabilization Criteria:	Zriterla:	pH units		mg/L		
imeters Stc	abilize prior	Did Porameters Stabilize prior to sampling?				NA	
Sample Time	227	Sample Location:	cation:	pump fubling	well port	spigot	boler other
Comments:							
Septh to \	Initial Depth to Water (# BTOC):	BTOC):				Measure Point: Well TOC	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:
ell Depth Slea gr	n - from to ey, yellov	WD (Well Depth - from table) if btoc:	ck, cloudy,	green	Odo(noje, sulphur, organic, other	ulphur, organ	nic, other <b>solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Sllt, Sand

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Project 6	Vame PG&E	Project Name PG&E Hinkley Background Study	kground §	Study		Sam	Sampling Eventions 20
N dol	Job Number 328060.BS.WS.00	).BS.WS.00				ļ	2
Field	Field Team KC	(1W	Field Conditions	ditions	5- 004		Poge of
Well/Sc	Mumb Numb	36-01	1-090	Well/Sample Number 36-01-090_042702	_	QC Sample ID	
Purge Start Time	art Time				ı	Purge Method: KA191	CABIS Ded Pump
Flow Cell	Y (N) Instru	Flow Cell: Y (N) Instrument Serial Number: (101911	Imper:	101911	Min. Purge Volume (gal)/(L)	ne (gal)/(t.)	Purge (Rate (gpm)/(mLpm)
Water	Time	Vol. Purged	舌	Conductivity	Diss. Oxygen	Temp. °c	Comments (See descriptors below)
	12:47	7	5,52	116	11,09	21.2	
			-				
	ļ						
	-						
Parameter	Parameter Stabilization Criterla:	itteria:	+/- 0.1 pH units	+/- 5%	+/- 0.5 mg/L	ĄV	
Did Paramet	Did Parameters Stabilize prior to sampling?	to sampling?				NA	<del></del>
Sample Time	13.47	Sample Location:	cation:	pump tubing	well port	sploot	boler other
Comments:							
						i i	
Initial Depti	Initial Depth to Water (# BTOC):	STOC):			-	Measure Point: Well TOC	T: Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER.
WD (Well D	WD (Well Depth - from table) ff btoc:	ble) ff bfoc: _ / brown_blos	Spiroto 40		Odatinone) sulphur, organic, other	llahur, organ	nlc, other <b>solids:</b> Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
Color. Cred	r gray, yellov	Construction would be constructed to the construction of the const	Cr. cloudy			,	

Project N	ject Name PG&E Hinkley Job Number 328060.8S.WS.00	Project Name PG&E Hinkley Background Study Job Number 328060.8S.WS.00	kground S	rudy		Sam	Sampling Event-1906 2 2 0 6 Date 04/27/06
Field	Field Team KE	W 1 3	Field Conditions	/3	<b>ት</b> ህ		Page of
Well/Sa	Well/Sample Number	ber 36-6	10-10	595 04274	LZQ	QC Sample ID	SC Sample Time
Purge Start Time	rt Time				Purg	e Method: 🔨	
Flow Cell:	≺ (N) instru	Flow Cell: Y (N) instrument Serial Number:	mber:	2	Min. Purge Volume (gdi)/(L)	ne (gal)/(L)	Purge kare (gpm)/(m.phn)
Water	Time	Vol. Purged gallons (liters)	돐	Conductivity	Diss. Oxygen mg/L	Temp.	Comments (See descriptors below)
	13:10	K	298	129	10.49	30.8	
		-	+/- 0.1 bH units	%9 -/+	7/5W +/- 0.5	٧N	
Did Parameter	Parameter Stabilize prior to sampling?	to sampling?				NA	
Sample Time	13:10	Sample Location:		pump tubing	well port	spigot	boler other
Comments:							
Initial Depth	Initial Depth to Water (ft BTOC):	BTOC):			_	Measure Point:	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Well De	pth - from ta	WD (Well Depth - from table) ff bfoc:			( 		
Color: cear,	grey, yellov	Color: clear, grey, yellow, brown, black, cloudy, green	ж, cloudy.		Odor: hone, sulphur, organic, other	ılphur, organl	ic, other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Slit, Sand

Project N	lame PG&E	Project Name PG&E Hinkley Background Study	:kground \$	Study		Sam	Sampling Eventsee 2 Q O C
JOD N	umber 32806(	D.BS.WS.00					Date 04/27/06
Field	Field Team K5	2 ( IN	Field Conditions	ditions			Page of
141011/6	fourth class	/-/2	11-10	₹/ ~:	2000	CC Sample ID	Symple Time
enclands/acmy	Well/Sample Number	]	1	277		Purge Method: KA6	Ded Pump
Flow Cell:	Y / N Instru	Flow Cell: Y / N Instrument Serial Number:	ımber:	V	Min. Purge Volume (gal)/(L)	ne (gal)/(L)	
Water	Išme	Vol. Purged	玉	Conductivity	Diss. Oxygen mg/L	Temp. ိင	Comments (See descriptors below)
	12,75	C	7.75	, 143	19.01	20,00	
						:	
					:		
Parameter 5	Parameter Stabilization Citteria:	#feria:	+/- 0.1 pH units	%5 -/+	+/- 0.5 mg/L	ΑN	
Did Poramete	Did Parameters Stabilize prior to sampling?	to sampling?				NA	
Sample Time	13:25	Sample Location:		pump fubing	well port	spipot	boler other
Comments: _							
:							(
WD (Well De	Initial Depth to water (# 810C.); WD (WellDepth - from table) ff btoc:	SICC): ble) ff btoc:			_	Medsure Point.	Well IOC Steel COSING WATER LEVEL METER SERIAL NOMBERS
Color cledir.	grey, yellov	Color cledr, grey, yellow, brown, black, cloudy, green	ck, cloudy,		odor(no)e, su	note, sulphur, organic, other	ilc, other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
					)		



Project	Jame PG&E	Project Name PG&E Hinkley Background Study	kground S	study		Sami	Sampling Event 3006
Job N Field	ob Number 32806 Field Team	2.Bs.ws.00	Mield Conc	2. inclevrommield Conditions Hor			Pogeof
Well/Sc	mple Num	Well/Sample Number   Ø6 E-Ø  _ Ø724 Ø 6	Ø1-07	724 BC	ď	QC Sample ID	QC Sample Time
Purge Start Time	if Time OC	Purge Start Time O912 Flow Celt. V / (A) Distriment Serial Number: B7	imber: B.		Purge Method: <b>St</b>	Purge Method: <b>SP 1.90</b>	Purge Rate Committee Manual A
Water	] Jime	Vol. Purged	퓹	Conductivity X	Diss. Oxygen	Temp.	Comments (See descriptors below)
*	400			2			wat love note tober will solar
4	0915	2	7.39	442	114	19.83	
	8160	24	7.37	44)	9.38	(4.1)	
	0921	36	7.46	445	9.58	18.59	
	0924	488	7.48	444	18,9	18.76	
	Ø427	0	7.52	44.2	9,63	18.69	
		-					
ameter	Parameter Stabilization Criteria:	Criteria:	+/- 0.1 pH units	%9 -/+	+/- 0.5 mg/L	NA	
Paramete	Did Parameters Stabilize prior to sampling?	to sompling?	X	Ļ	χ	N.A	
Sample Time Comments:	Somple Time <b>092</b> Scoments:	Sample Location:		multipud ——	well port	A tobjos	boller offner
,							
al Depth	Initial Depth to Water (# BTOC); $\overline{m{\Lambda}}$	NOC): U	\ \ \		ν	Measure Point:	Well TOC steel cosing water level meter serial number. $\mathcal{N}$
) \$ <u>@</u>	pth - from ta	WD (Weil Depth - from table) fl bloc:	n(F				
of clear	grey, yello	color clear, grey, yellow, brown, black, cloudy, green	ck, cloudy.		odor: none sulphur, organic, other	phur, organi	ic, other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Siit, Sand
)							
						:	

	Project N Job Nu	Varme PG&E	Project Name PG&E Hinkley Background Study Job Number 328060:BS:WS:00	skground	Study		Sam	Sampling Event 3506 Date 07 - 24 - 0 C	
	Fleid	Team	Field Team [2] / Lindel mich. Field Conditions 5010	Field Con	diffons 201	ny, Hai		Pageof	
I	Well/Sq	Imple Numb	oer 1865-09	-60-	- 07 240G		QC Sample ID	MIN-90 CAPACAC SOMPLETIME 1015	
	Purge Start Time	Purge Start Time 1006	)     		\ \ \	1	Purge Method: 50,50	Ded. Pump	
	Flow Cell: Y /(N)	Y / N Instru	Instrument Seriat Number:	l	B >	Min. Purge Volume (gal)/(L)	Tune (Bal)/(n)		
	Water	Ime	Vol. Purged Gallons, litters	표	Conductivity 4 Slore	Diss. Oxygen	າ Temp. °c	Comments (See descriptors below)	
₹	<del>0101</del>	1010	91	29.6	343	8.64	17.32	in gauging port,	cannot fit gauge
:	v(A	1013	28	7.56	391	89.8	16.74		0
	nlA	1015	36	7.59	343	AN W	N/A		
	\ <u>\</u>	1017	44	7.58	1393	3, 6	16.87		
·	nlA	1020	છે.	8	391	61.8	16.93		
	-	•							
·									
·									
<u> </u>									
<u> </u>			1						
.!									
			]						
		:		+/- 0.1	+/- 5%	+/- 0.5 ma//	ĄN		
	Parameter	Parameter Stabilization Criteria:	inferia:	>	>	* *	ΔIA		
	Did Paramete	Did Parameters Stabilize prior to sampling?	lo sampling?		-		<u> </u>		
	Sample Time	1025	Sample Location:	cation:	pump fubling	well port	<b>↑</b> toblob	boller officer	
_	Comments: _								
	- Giftol Depth	COCH Its Worler (# RIOC)					OOT IIOW TOTAL DOOR IN TOTAL	Well TOC Steel Crain WATER EVEL METER SPRIAL NUMBER	2/4
	MD (Well De	WD (Well Depth - from table) ff btoc:	ole) ff btoc:				>		
	Solor: Glear,	Jrey, yellow	color. Gear, grey, yellow, brown, black, cloudy, green	ck, cloudy,	green	ode: none.	dec none, sulphur, organic, other	c, other Solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Sllt. Sand	ticulate, Silt. Sand
1									

	Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00 Field Team Explorations Field Team Explorations	-06-072406 oc sample	Purge Method: Spigor	8T N	Vol. Purged         pH         Conductivity         Diss. Oxygen         Temp.         Comments           Callons inters         U.S. C.C.         "C         (See descriptors below)	7.50 572 9,14 18.18	69 8,15 1	8 7,51 568 8.451	7.54 570 8.37	52 7.57 560 8,46 17.16					+/- 0.1 +/- 5% +/- 0.5 NA mg/L MA	7	Sample Location: pump fubing well part spigot baller other	# 客C	able) if btoc:	ow, brown, black, gloudy, green odoc.none, Julphur, organic; other solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Slit, Sand							
Well/Sample Now Cell: Y Well/Sample Now Cell: Y Well/Sample Now Cell: Y Well Cell of State of Sample State of	328060.BS.WS.00	Well/Sample Number BGS - O	1041		Time Vol. Purged pallons) lifers	17	<u>3</u>	8	40	7					Porcometer Stochillzortion Criterio:	ling?	Sample Locati	Initial Depth to Water (ff BTOC):	WD (Well Depth - from table) ft btoc:	color(clear) grey. yellow, brown, black.							

Se de la compte del compte de la compte de la compte de la compte de la compte de l	Project Name PG&E Job Number 328080 Field Team@fel Flow Cell: Y /(M)Instrum Water Flow Cell: Y /(M)Instrum Water Level 70.46   13.8 74.35   14.1 71.05   14.4 71.05   14.4 71.05   14.7 71.	Project Name PG&E Hinkley Background Study Job Number 328060BS.WS.00  Held Team [4] / Linkley Background Study  Poge of Paris And Paris And Properties And P		Pug	Conductivity Diss. Oxygen Temp. Comments	7.46	,0 7,91 401 3,62 31.65 @ (D)> 100, 112-2" Openi	1.5 7.87 399 3.33 29.68 patch of to open forth	0 74 400 3.85 30.21	7 50° CO T T T T T T T T T T T T T T T T T T				+/- 0.1 +/- 5% +/- 0.5 pH units mg/L <sub>2</sub>	7 Y Y/100 NA	Sample Location: pump tubing well port splant boller office office	TOC); Measure Point: Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:		, brown, black, cloudy, green <b>Odo</b> , hone) sulphur, organic, other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Sift, Sand		
	ame PG8 Imber 32802 Team@lel Team@lel Time Time Time Time Time Time Time Time	y Background Stu 20 Pres. Field Condill	\$5-22,072	Act Number 0 7	데	7.46	7.9)	3	7.91	<del>7</del> ,				+/- 0.1 pH units	7						

Project Name PG&E Hinkley Background Study	PG&E Hinkley Bac	ckground §	study		Samp	Sampling Event 3006
Field Team CL	Ы	Linkers Field Conditions	3	C VV		Page of
Well/Sample Number	100 July 1	12.07	072406		GC Sample ID	C / A Scraple Time
Purge Start Time 13 Flow Cell: Y (N) Instru	Pe 1342 Winstrument Serial Number:		B T "	Purge Method: Vin. Purge Volume (ga)/(t)	0/	Ded. Purge Rate (sport) Intpm) 4
1	Vol. Purged gallons / liters	AG .	Conductivity	Diss. Oxygen	Тетр.	Comments (See descriptors below)
63.77 1345	7	7.30	779	8.74	24.21	
1345	22 5	7.28	779	7.49	24.15	
1351	3	127	ZLL	9.52	24.07	
13.54	48	7.28	212	8.17	24.47	
6368 35	160	272	081	7.67	24.99	
		+/- 0.1	%9 -/+	4/- 0.5	¥	
Parameter Stabilization Criteria:	Criteria:	Sillin Hd		T/BIL		
Did Parameters Stabilize prior to sampling?	or to sampling?	2	2	>	ΑN	
Sample Time 400	Sample Location:		pulant amua	well port	30 toolds	boter other
Comments:						
Initial Deptin to Water (IT BLOC);  WD (Weth Deptin, from table) ff btoc:	TBIOC); Table) ff btoc:_				Wedsure Point.	Weil I.O.C. Steel Casing Water Level Meter Schal Number
Color. clear, grey, yellow, brown, black,	ow, brown, blc	ack, cloudy, green,	$\mathcal{M}$	Odor: none,	luiphur, organic; other	c; other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particutate, SIIt, Sand
)			/			

		Min. Purge V. S. Blass. Oxyge V.		Ckground Ckg	Sample (Color) (Markey Back Back)  Linding (Color) (Markey Back Back)  L L Linding Color) (Markey Back)  L L L L L L L L L L L L L L L L L L L	Name PG&E Number 32806 Id Team E[6] It: Y / Martine 07 Ine 075 075 075 075 075 075 075 075 075 075
			<b>a</b>			
	sulptiur, organic; othe	(E)	green		w, brown, blc	grey, yello
ack cloudy, green	Measure Point: Well			- 1	ع ا	th to Water (#
Measure Point: Weil TOC Clouds, green Odorfhone, sulphur, organic, other						
Measure Point: Well TOC Clouds, green Odor(hone, sulphur, organic, other						<u> </u>
Measure Point: Well TOC Cloudy green Odorfhone, sulphur, organic, other	sploot 🔀	well port	pump tubing	ocation:	)) elamas	6 080 a
for: pump tubing well por splict by bale.  68  Measure Point: Well TOC cloud) green odor from, sulpitur, organic; other	ĄV	<b>/</b>	7	ہو	r to sampling?	ters Stabilize prior
fron: pump tubing well port splict bales.  68 Measure Point: Well TOC  Clouds green odorfhone sulphur, organic, other	ĄN		-/+	+/- 0.1 pH units	Catteria:	r Stabilization (
4-0.1 ht units mg/L NA Macsure Point: Well TOC						
# 4- 0.5 NA mg/L    4						
14-0.1						
4-0.1 4-5% 4-0.5 NA mg/L NA fon: pump hoting well por splicify boiler.						
4-0.1 4-5% 4-0.5 NA mg/L NA fon: pump hoting well por splicify Doller.						
4-0.1 +/-5% +/-0.5 NA mg/L NA konto nong Long Long Long Long Long Long Lon						_
4-0.1	18.38	2 0 0	409	17.7	~	0759
12.1 909 9.55 18.38  +/-0.1 +/-5%	18.30	- 1	-	7.20	32	0757
7.20 413 4.70 18.30 12.1 404 4.55 18.38 4.0.1 4.5% 41-0.5 NA Mg/L 14.0.1 41-5% 41-0.5 NA Medsure Point: Well TOC	18.57	9.20	$\vdash$	7.23	וייו	075
7,23 41 C				7.19	12	$\sim$
7.19 909 9.61 18.57 7.23 41 5 9.20 18.57 7.20 913 9.70 18.30 7.20 913 9.70 18.30 7.21 909 9.55 18.38 7.4-0.5 NA Mg/L 14 units	18,83	<u>0</u>	ē	_	4	<del> </del>
7,22 917 10,67 18,83 7,23 41 C 9,20 18,57 7,20 913 9,70 18,30 7,20 913 9,70 18,30 1,21 9,09 9,70 18,30 1,	Temp. င်	<del></del>	\$ 5 g		Vol. Purged	Time
pH Conductivity Diss. Oxygen Temp. Comments  7,22 917 10.67 18,83  7,13 917 10.67 18,83  7,20 913 9,70 18,37  7,20 913 9,70 18,37  7,20 913 9,70 18,37  7,20 913 9,70 18,37  7,20 913 9,70 18,37  7,10 18,43  7,10		Min. Purge Vol		- 11	ument Serial N	II: Y /Minstr
ber: B 7 Min. Purge Volume (200/kl). A / A / A / A / C / A / A / C / C	rge Method:	<i>₹</i>			R	tart Time 07
Purge Method:  pH	GC Sample ID		1250G	-13.0	_	amble Num
3. C725 OG			diffons Had	Field Con	( cindens	d Team Class
Seconditions   Libert   Page Method:   Page Metho	Sampling E		Study	ckground	E Hinkley Ba	Name PG&I
Sampling Event   Sampling Event   Date   D						
	1		Sample 1D  Purge Method:  Min. Purge Volume (sob)/(1). A  Diss. Oxygen	Sample 1D    Number   Purge Method:   Min. Purge Volume (201)/(1)   A   C   C   R   R   R   R   R   R   R   R	Sample   S	Sample   S

Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00 Field Team Elect Conditions	Hinkley Background Study 3.85.WS.00	kground S	Study diffons	9.7		Sampling Event 3006  Date 7-25-06  Page of
Well/Sample Numb	ber 04 €	-01-0	072506	G C	QC Sample ID	n (A ac sample time
Purge Start Time 0822	7.5			Purge	VΥ	Ded. Pump
Flow Cell: Y / N Instrument Serial Number:	iment Serial Nu	mber:		Min. Purge Volume (gal)/(L)	U (1)/(p8) eu	( / ) Purge Rate(gpm)/(mtpm)
Water Time Level	Vol. Purged gallons / ilters	된 -	Conductivity	Diss. Oxygen mg/L	Тетр. ်	Comments (See descriptors below)
54.93 10824	9)	1,21	1168	<b>ે8</b> લ	1963	. down lie from water tank
154.91 0826	12	1.16	0511	8.24	(9.52	
93 08	8)	216	1160	O.		
54.92 0830	24	7.13	291)	ן י		
54,93 0832	30	7.14	2911	878	72'61	
	:					
		+/- 0.1	+/- 5%	+/- 0.5	۸ ۸	
Parameter Stabilization Criteria:	Sriteria:	enin i id		1		
Did Parameters Stabilize prior to sampling?	to sampling?			:	NA	
Sample Time #	Sample Location;	cation;	pulant dang	well port	spigot	baller other
initial Depth to Water (# BTOC):	BTOC):				Measure Point: Well TOC	Well TOC Shell Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ft btoc:	tble) ff bfoc:_					
Color clear, grey, yellow, brown, black,	w, brown, bla	ick, floudy	green	Odor nohe, sulphur, organic, other	ulphur, organ	lc; other <b>solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Sitt, Sand

Number: 61   Nin. Purge Method: \$6.50   Depuge Volume (gdb/kl)   Alabara   Depuge Method: \$6.50   Depuge Method: \$6.50   Depuge Method: \$6.50   Depuge Method: \$6.50   Depuge Volume (gdb/kl)   Alabara   Depuge Method: \$6.50   De	Number:	Ol - O72506   ac sample id   D   D   A   B   SC somple fine	Discription	Ol - O72506  Purge Method: \$6.50 1  A. A	Ject Name PG&E Hinkley Job Number 328050.BS.WS.00 Field Techn Ct of 1005	Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00 Field Term Ct. 21 / 12062	kground s	study		Sam	Sampling Event 3006  Date 7-25-06
Number: 61   Min. Purge Volume (sat)/(1)   NLA   Purge Rate (677)/(mtpm)	Number: 61   Nin Purge Wolume (sof)/(U)   A LA   Purge Rate (SOf)/(mipm)	Purge Method: \$6.55° (  Number: BT	Purge Method: \$6.50 lumber: BT Min. Purge Volume (got/Nt) ALKTONG BE 2 3.10 25.84  7.70 86.2 3.10 25.84  7.67 85.7 3.05 23.57  7.68 93.2 3.46 23.47  7.70 86.4 2.51 23.57  7.75 80.4 2.51 23.37  7.75 80.4 2.57 23.37  7.71 87.7 2.57 23.37  7.72 80.4 2.57 23.37  7.73 87.7 2.57 23.37  7.74 87.7 2.57 23.37  7.75 80.4 2.57 23.37  7.77 87.7 2.57 23.37  7.77 87.7 2.57 23.37  7.77 87.7 2.57 23.37  7.70 86.4 2.57 23.37  7.70 86.4 2.57 23.37  7.71 87.7 2.57 23.37  7.71 87.7 2.57 23.37  7.72 80.4 2.57 23.37  7.73 87.7 2.57 23.37  7.74 87.7 2.57 23.37  7.75 80.4 2.57 23.37  7.77 87.7 2.57 23.37  7.77 87.7 2.57 23.37  7.77 87.7 2.57 23.37  7.77 87.7 2.57 23.37  7.77 87.7 2.57 23.37  7.70 86.4 2.57 23.37  7.70	Purge Method: \$6.50 \\  \text{pt} & \text{Conductivity} & \text{Diss. Oxygen} & \text{Temp.} & \text{Comments} \\  \text{1.10} & \text{86.2} & \text{3.10} & \text{25.844} \\  \text{1.71} & \text{86.7} & \text{3.46} & \text{23.44} \\  \text{1.71} & \text{85.7} & \text{3.05} & \text{23.57} \\  \text{1.70} & \text{86.4} & \text{2.51} & \text{23.3} \\  \text{1.71} & \text{85.7} & \text{3.05} & \text{23.3} \\  \text{1.70} & \text{86.4} & \text{2.51} & \text{23.3} \\  \text{1.71} & \text{87.7} & \text{2.51} & \text{23.3} \\  \text{1.72} & \text{87.7} & \text{23.3} \\  \text{1.74} & \text{87.7} & \text{2.51} & \text{23.3} \\  \text{1.74} & \text{87.7} & \text{2.51} & \text{23.3} \\  \text{1.74} & \text{87.7} & \text{23.3} \\  \text{1.74} & \text{1.74} & \text{1.74} \\  \text{1.75} & \text{1.74} & \text{1.74} \\  \text{1.74} & \text{1.74} & \text{1.74} \\  \	JI 9	F665-4	51-072	ااا. ما		ac Sample ID	n (A
pt Conductivity Diss. Oxygen Temp. Comments  7.70 862 3.10 25.84  7.67 943 3.46 23.49  7.68 932 3.20 23.57  7.68 932 3.20 23.31  7.70 864 2.51 23.50  7.75 904 2.54 23.30  7.71 877 2.57 23.37  1.71 877 2.57 23.37  1.71 877 2.57 23.37  4.0.1 4-5% mg/L NA  by y y y y y y y y y y y y y y y y y y	2 PH Conductivity Diss. Oxygen Temp. See description	7.70 862 3.10 25.84 7.67 943 3.46 23.49 7.68 932 3.20 23.57 7.78 932 3.20 23.57 7.70 864 2.51 23.3 7.75 904 2.51 23.3 7.75 904 2.51 23.3 7.75 904 2.51 23.3 7.7 877 2.57 23.3 PH units 4- 5% mg/L NA NA NA NA NACOURTE POINT: Weil TOCK	1.10 862 3.10 25.84 7.67 843 3.46 23.49 7.67 843 3.05 23.57 7.68 932 3.20 23.3 7.76 864 2.51 23.3 7.75 804 2.51 23.3 7.75 807 2.57 23.3 9H with the transmall of the transmall o	1.70 862 3.10 25.84 1.71 857 3.05 23.57 1.71 857 3.05 23.57 1.72 864 2.51 23.57 1.75 964 2.57 23.3 1.75 964 2.57 23.3 1.77 877 2.57 23.3 1.77 877 2.57 23.3 1.77 877 2.57 23.3 1.77 877 2.57 23.3 1.77 877 2.57 23.3 1.77 877 2.57 23.3 1.77 877 2.57 23.3 1.70 864 2.57 23.3 1.77 877	ع احد	O C			Purg In. Purge Volur	le Method: 🗾	o Sol Ded Pump
7.70 862 3.10 25.84 7.67 443 3.46 23.47 7.68 932 3.20 23.31 7.68 932 3.20 23.31 7.70 864 2.51 23.50 7.75 904 2.51 23.30 7.71 877 2.57 23.37 7.71 877 2.57 23.37 9Hunits +- 5% +- 0.5 NA mg/L V H Y Y NA Stoceton: pump tubing well port species	7.67 862 3.10 25.84 7.67 843 3.46 23.49 7.68 932 3.20 23.31 2.170 864 2.51 23.50 7.75 904 2.51 23.50 7.75 904 2.51 23.37 7.71 877 2.57 23.37 9Hunits 4- 5% mg/L NA mg/L NA NA Stocotion: pump tubing well port. special Date:	7.70 862 3.46 23.49 7.67 443 3.46 23.49 7.68 432 3.05 23.31 7.68 432 3.20 23.31 7.70 864 2.54 23.30 7.75 404 2.54 23.30 7.71 877 2.57 23.37  H. 0.1 H. 5% Mg/L NA Mg/L NA NA DOINT Well DOI 1. Well TOC	7.70 862 3.10 25.84 7.67 943 3.46 23.47 7.68 932 3.20 23.31 7.70 864 2.51 23.50 7.75 904 2.54 23.30 7.75 904 2.57 23.37 904 14.0.5 NA mg/L NA	1.70 862 3.10 25.84 7.67 943 3.46 23.47 1.71 857 3.05 23.57 7.0 864 2.51 23.50 1.75 904 2.51 23.37 1.71 877 2.57 23.37 Hunits 4-5% 4-0.5 NA Measure Pont: Weil TOC		Vol. Purged gallons / lifers	풉		Diss. Oxygen	Temp.	mments e descriptor
7.67 443 3.46 23.49 7.68 432 3.20 23.57 7.68 432 3.20 23.3) 2.70 864 2.54 23.50 7.75 404 2.54 23.30 7.71 877 2.57 23.37 7.71 877 2.57 23.37 9Hunits 44-5% 44-0.5 NA mg/L 94 44 44 44 44 44 44 44 44 44 44 44 44 4	7.67 443 3.46 23.49 7.68 432 3.20 23.31 7.68 432 3.20 23.31 7.70 864 2.51 23.50 7.75 404 2.54 23.30 7.71 877 2.57 23.37 H. 0.1 4- 5% mg/L bH units  4. 0.1 4- 5% mg/L bH units  4. 0.5 NA  5. 0.1 4- 5% mg/L bH units  5. 57 23.37  7.71 877 2.57 23.37  7.71 877 2.57 23.37  7.72 404 2.54 23.30  7.73 404 2.54 23.30  7.74 8.75 8.75 8.75 8.75 8.75 8.75 8.75 8.75	7.67 443 3.46 23.49 7.68 432 3.20 23.57 7.68 432 3.20 23.3) 7.70 864 2.51 23.50 7.75 404 2.51 23.30 7.71 877 2.57 23.37 7.71 877 2.57 23.37 9.41 4. 6.5 MA  wg/L   7.67 443 3.46 23.47 7.68 432 3.20 23.31 7.68 432 3.20 23.33 7.70 864 2.51 23.30 7.75 404 2.51 23.37 7.71 877 2.57 23.37 7.71 877 2.57 23.37 9H units	7.67 443 3.46 23.49 7.68 432 3.20 23.31 7.0864 2.51 23.50 7.75 404 2.51 23.37 7.75 404 2.57 23.37 7.71 877 2.57 23.37 Hunits H- 5% mg/L NA F- 0.5 NA H- 0.5 N		O	7.70	862	3.10	25.84		
7.68 432 3.20 23.31 2.768 432 3.20 23.31 2.75 404 2.54 23.30 7.71 877 2.57 23.37 7.71 877 2.57 23.37 9Hunits +- 5% +- 0.5 NA mg/L V Y Y V NA Doler	7.71 857 3.05 23.57 7.68 932 3.20 23.31 7.75 904 2.51 23.30 7.71 877 2.57 23.37 7.71 877 2.57 23.37 9.10cation: pump tabing well por	7.68 932 3.20 23.31 7.68 932 3.20 23.33 7.75 964 2.51 23.30 7.75 904 2.51 23.30 7.71 877 2.57 23.37 H-0.1 4-5% 44-0.5 NA mg/L NA mg/L NA specific well part specific well part specific well part specific well took to both: (Well TOC)	7.68 932 3.20 23.31 7.68 932 3.20 23.31 7.70 864 2.51 23.30 7.75 904 2.57 23.30 7.71 877 2.57 23.37  H. 0.1 H. 5% H. 0.5 NA mg/L  Measure Point: Well TOC  Measure Point: Well TOC	1.71 857 3.05 23.57 1.68 932 3.20 23.31 1.70 864 2.51 23.50 1.75 904 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.71 877 2.57 23.37 1.72 9004		12	1.67	943		23.49	
7.68 932 3.20 23.3) 2.70 864 2.51 23.50 7.75 904 2.54 23.30 7.71 877 2.57 23.37 7.71 877 2.57 23.37 9Hunits 44-5% mg/L NA mg/L NA 9tocation: pump tubing well port spools A boler—	7.68 932 3.20 23.3   2.70 864 2.51 23.50   7.75 904 2.51 23.37   7.71 877 2.57 23.37   4.0.1	7.68 932 3.20 23.31 7.76 964 2.51 23.30 7.77 877 2.57 23.37 7.71 877 2.57 23.37 H-0.1 +- 5% mg/L NA mg/L NA solor. (Well TOC)	7.68 932 3.20 23.31 7.76 964 2.51 23.50 7.75 904 2.51 23.37 7.71 877 2.57 23.37  H-0.1 H- 5% mg/L  Measure Point: Well TOX  Measure Point: Well TOX	70 864 2.51 23.31 70 864 2.54 23.30 7.75 904 2.54 23.30 7.17 877 2.57 23.37 Hunits Hunits Mg/L NA Mg/L NA		81	17.7	L58	~	23.57	
7.75	7.75 404 2.51 23.50 7.75 404 2.54 23.30 7.71 877 2.57 23.37 7.71 877 2.57 23.37 7.71 877 2.57 23.37 1.71 877	7.75 404 2.51 23.50 7.75 404 2.54 23.30 7.71 877 2.57 23.37 ##-0.1 #- 5% ##- 0.5 NA mg/L NA mg/L NA specific. pump tubing well part specific (Well TOC)	7.75 404 2.51 23.30 7.75 404 2.54 23.30 7.71 877 2.57 23.37 ### ### ### ### ### ### ### #### ####	170 864 2.51 23.50 1.75 904 2.57 23.30 1.71 877 2.57 23.37 Hunits +- 5% +- 0.5 NA Mg/L NA NA Sport Date.  Well TOO Measure Point: Well TOO Measure Point: Well TOO Measure Point: Organic, other		24	2.68	432	3.20	23.3)	
7.75 404 7.54 25.50 7.71 877 2.57 23.37 7.71 877 2.57 23.37  +/- 0.1 +/- 5% mg/L NA mg/L NA  y y \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7.75 404 7.54 25.30 7.71 877 2.57 23.37 7.71 877 2.57 23.37 1.7.0.1 1 6.5 NA mg/L NA mg/L NA NA NA Stocotion: pump tabing well port spoots Dotler Dotler Dotler NA Stocotion: port page 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	7.75 404 7.54 25.30 7.71 877 2.57 23.37 4.0.1 4-5% mg/L NA Mg/L NA Specific. pump tubing well part specific.	7.75 404 2.57 23.37 7.71 877 2.57 23.37  4.0.1 4/- 5% mg/L  bH units  V Y NA  cocition: pump tubing well port spicot Meil TOC	1.75 404 2.57 23.37 H.0.1 +/- 5% mg/L NA H.units V y Y NA  No.1 +/- 6% mg/L NA  No.1 pump tubing well por space Point: Well TOC  Measure Point: Well TOC  Measure Point: Odorfnone) sulphur, organic, other		3042	_ 1	864	2,51	23.50	
1. 1. 1	1. 11	## 0.1	1. 1. 1	#-0.1		21	7.75	404	27.76	•11	
+/- 0.1	+/- 0.1	##- 0.1	##- 0.1	#-0.1		27	1, 1,	211	4:24	-	
##- 0.1	+/- 0.1	#4-0.1	+/- 0.1 +/- 5% +/- 0.5 NA mg/L NA mg/L NA cocition: pump tubing well port spicot → spicot → botler.	#-0.1							
+/- 0.1 +/- 5% +/- 0.5 NA mg/L NA Mg/L NA NA stocation: pump tubing well port spigot \$\int  boter	+- 0.1	##- 0.1	+/- 0.1 +/- 5% +/- 0.5 NA mg/L NA Medsure Point: Well TOC	## units	—						
+/- 0.1	+/- 0.1	+/- 0.1	# 0.1	Hunits +/- 5% +/- 0.5 NA mg/L NA hg/L	-						
+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1 +/- 5% +/- 0.5 NA mg/L NA Mg/L NA NA cocation: pump tubing well por specific bolist.	Hunits +/- 5% +/- 0.5 NA Hunits / 5% mg/L NA  On: pump tubing well part space > baler.  Measure Point: Well TOC							
+/- 0.1	+/- 0.1         +/- 5%         +/- 0.5         NA           pH units         +/- 5%         mg/L         NA           y         y         y         NA           e tocation:         pump tubingwell part spacet	+/- 0.1         +/- 5%         +/- 0.5         NA           PH units         +/- 5%         H/- 0.5         NA           Occition:         pump tubing         well port         solgot         botler    Measure Point: (Well TOC)	+/- 0.1	H. units H. units H. units H. units H. units H 5% H. units H 5% H							
e tocation: pump tubingwell part splack baller	s tocation: pump tubing well port space	Location: pump tubing well port spoot A baller baller.  Measure Point: Well TOC	Location: pump tubing well part point: well TOC	ton: pump tubing well port space botter.  Measure Point: Well TOC  Measure Point: Well TOC  Measure Point: Odorfhone) sulphur, organic, other		ileria:	+/- 0.1 pH units			NA	
pump tubingwell port baller	pump fubling well port spipol \$\interprecedown \interprecedown \in	Location: pump fubing well part spigol baller	Location: pump tubing well port botter.  Measure Point: Weil TOC	ion: pump fubing well port boller.  Measure Point: Well TOO  Moduling Sulphur, organic, other		sampling?	V	2	ح ا	AM	
		Measure Point: (Well TOC)	Measure Point: (Well TOC	Measure Point: (Well TOC)		Sample to			well bort	Looids	baller
Measure Point: Weil TOC	Modern green Odomnone) sulphur, organic, other	Gody, green Ododnone) sulphur, organic, other									
Measure Point: Weil TOC	Soudy, green Odorfhone, sulphur, organic, other	Goddy, green Ododfhone) sulphur, organic, other									

Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00 Field Team E 12 / 6. oden Field Conditions	ject Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00 Field Team # 1/2 odem Field Conditions   Ho	ackground	Study diffons 402		Sam	Sampling Event 3006  Date 07-25-06  Page of	•	<b></b>
Well/Sample Number		645-23-0	JO3210-		GC Sample ID	MW-91250For	\$250	
Purge Start Time 0946  How Cell: Y / N Instrument Serial Number:	2946 Instrument Serial	Number:		Purge Method: Min. Purge Volume (gal)/(t)	Purge Method: <	Prige Rote (1900) 3.5	845.23.072506_MS 8	<u>ج</u> 2002
Water Time Level	e Vel Burged	Hơ p	Conductivity AS/cm	Diss. Oxygen mg/L	Temp.	Comments (See descriptors below)		
107.09 0948		7.83	493	5.5)	25,14			
113,85,0450			490	5.56	24.13			
111.55 0952	2 21,0	7.82	497	5.56	24.14			
110.24 0954	4 24.0	787	489	5	24.57			
	0 3E 0	7.84	187	79'5	24.50			
								_
Porrmater Stabilization Citiario:	ion Criteria:	+/- 0.1 pH units	*/- 2%	+/- 0.5 mg/L	NA			
Did Parameters Stablize prior to sampling?	prior to sampling?	۲	<b>3</b> -	<b>&gt;</b>	NA			
Sample Time \$ 00		Sample Location:	guidut cimud	well port	X topics	boller other		
Comments:								
Initial Depth to Water (# BTOC):	ır (# BTOC);				Measure Point:	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER.	AL NUMBER:	
WD (Well Depth - from table) if btoc:	rm table) fit btoc:							
color: cledt, grey, yellow, brown, black, cloudy, green	rellow, brown, b.	lack, cloudy,		Odat: none! sulphur, organic, other	ılphur, organ	ic; other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Sllt, Sand	arge Qu. Particulate, SIIt, Sand	

Project Name PG&E Hinkley Background Study	E Hinkley Bac	kground S	tudy		Samp	
Job Number 32806 Field Team	Linking Field Conditions	Field Cond	ilitions Hor			Page
Well/Sample Number	16er 865	0520-91-578	2092		QC Sample ID	C A Scample Time
Purge Start Time	1031	9	<u></u>	Purg	Purge Method: 572 50	۱, ۱
Flow Cell: Y / Instrument Serial Number: 5	ument Serial Nu	mber: 5		Min. Purge Volume (gal)/(L)	ne (gal)/(L) 🖊	1 /A Purge Rate (ppm) (ml.pm) <
Water Time Level	Vol Purged	돐	Conductivity	Diss. Oxygen	Temp. °c	Comments (See descriptors below)
14.01 68 11	8	4.49	(030	3.03	30. 30	
9	91	15.5	1035	2.88	32.96	
L	72				12451	
9569 1047	32	1.61	(023	5,03	تما	
670)	0 4	7,59	40	5,23	22.89	
93.69 1051	48	7.57	(024	4.78	24.30	
Parameter Stabilization Criteria:	Criteria:	+/- 0.1 pH units	+/- 5%	+/- 0.5 mg/L	ΑN	
Did Parameters Stabilize prior to sampling?	r to sampling?				NA	
Sample Time (052	Sample Location:	]	pump tubing	well port	spipot	boller other
Comments:						
Initial Depth to Water (# BTOC):	BTOC):			_	Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ft btoc:	able) ff btoc:					
Color: clear, grey, yellow, brown, black, cloudy, green	w, brown, blac	ok, cloudy,		Odor: none, sulphur, organic, other	ılphur, organi	c, other solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand

1   1   1   1   1   1   1   1   1   1	Project NamePG&E Hinkley Background StudySampling Event 3006Job Number 328060.BS.WS.00Date0.7 - 25 - 0.6Field Team \$\infty\$ 1.20 cm. Field ConditionsPage of the conditions	5-18-57256 C ac sample ID n (4 ac sample Time  2 Purge Method: Spicet Ded. Pump  31 Number: 3 T Min. Purge Volume (gd)/(U) n (4 Purge Rate (gfm) (mpm) 2 . S	t Conductivity Diss. Oxygen Temp. Comments	19 15 90 4,362499	37 1390 1.7 22 1435 4.3	7.77 1473 66.63 23.41	5 7.70 1477 8,23 23.34					Do did not stability, entatic pumping	+/- 0.1 +/- 5% +/- 0.5 NA mg/L	NA Y	Sample Location: pump tubing well part spoot $\sum$ baller other	Megsure Point: Weil TOC Steel Coxing WATER LEVEL METER SERIAL NUMBER:		Brown, black, cloudy, green Odorf nane, sulphur, organic; other Solids: Trace, Small Gu, Med Gu, Large Gu, Particulate, Sift, Sand		
	ind Study Conditions	07250 £	Conductivity	5	1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7 1473 66	0 1477 8						%5 -/+	7	Buight dwnd			Odéri	,	
	Project Name PG&E Hinkley Job Number 328060.BS.WS.00 Field Team	Well/Sample Number 865-18 Puge Start Time 2 (2.0.2 Flow Cell: Y / PR Instrument Serial Number:	Water Time	0/A 1203	nld 1205	217 4 1213	n/A 1215	•					Parameter Stabilization Criteria:	Did Parameters Stabilize prior to sampling?	Sample Ime 22	Initial Depth to Water (# BTOC):	WD (Well Depth - from table) ff btoc:	Color: clear, grey, yellow(		

Project Name PG&E Hinkley Background Study	Hinkley Bac	kground S	fudy		Sam	မွှူ	
Job Number 328060.BS.WS.00	3S.WS.00	i			1	1-62	
Field Team 6 1/2 / Lin Connectied Conditions	(Lin Obros	Field Conc	lifions (A-C)		ŀ	Poge of	
Well/Sample Number		BGS-19-072506	2506		GC Sample ID	SC Sample Time	90
Purge Start Time	J .	وا		] ]	Purge Method: Sp.	م الله Ded. Pump	
Flow Cell: Y (N) Instrum	N Instrument Serial Number:	ı	<b>B</b> 7	Min. Purge Volume (gal)/(L)	me (gal)/(L)		2,5
Water Time Level	Vol. Purged gations / liters	Hd	Conductivity	Diss. Oxygen mg/L	Temp. ိင	Comments (See descriptors below)	
44-1202	75						
n 4 1238	5	7,48	0081	7.54	24.44		
ス ご	0	7.39	1821	6.46	23,43		
n// 1242	15	7.39	843	6.4	23.17		
ナナケーナー	20	739	1852	6.12	73.27		
0/40/2/10	25	7,48	(32)	6.24	23.39		
			:				
	•						
		+/- 0.1	•	+/- 0.5			
Parameter Stabilization Criteria:	feria:	pH units	+/- 5%	mg/L	ΨŽ		
Did Parameters Stabilize prior to sampling?	sampling?	5	5	۸	N.A.		
Sample Time 1248	Sample Location;		pump fubing	well port	Zooids	baller officer	
Comments							
(COC)	į				Mensura Point	Well TOC Steel Costno WATER I EVEL METER SERIAL INIMBER	METER SERIAL NUMBER:
WD (WeilDepth - from table) ff btoc:	e) ftbtoc: _						
Color: clear grey, yellow, brown, black, cloudy, green	brown, blac	ik, cloudy.	Ū	odor. nobe, sulphur, organic, other	uiphur, organ		Solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
				)			

Project Name PG&E Hinkley Background Study Job Number 328060.8S.WS.00	PG&E HI 328060.BS	inkley Bac	kground S			Sam	Sampling Event $3006$
Field Team	(17) PM3	Field Team 1/Linds ma. Field Conditions	Field Cond	iffions Hea	٥		Page of
Well/Sample Number	Number	865-04.	04.07	072506		QC Sample ID	MW-92_07250mple Time 1205
Purge Start Time 1300	1300	اما			Purg	Purge Method: 50 15 51	Ded: Pump
Flow Cell: Y / N Instrument Serial Number:	Instrume	ant Serial Nu	mber:	2	Min. Purge Volume (gal)/(L)	ne (ga)/(L)	Purge Rate (15thm) (10thm) 3
Water Tin Level	Ime v	Vol. Purged galtons / liters	ЬН	Conductivity	Diss. Oxygen mo/L	Temp.	Comments (See descriptors below)
94.87 1302	70	و	261	573	5,13	35,65	
94.90 1305	5	5	2,98	556	6.67	26.94	
94,91 130	- (	27	366	55.9	0.00	86.97	
95.42 131	0	- 7	767	260	81.9	26.42	
04.86/131	12	33	17.96	155	6.30	26.42	
,						:	
			+/- 0.1 pH units	+/- 2%	+/- 0.5 ma/L	AN	
Did Parameters Stabilize prior to sampling?	ze prior to sc	ampling?	. 7	5	, 5	ΑN	
Sample Time [3]	ર]	Sample tocation:	]	pump tubling	well port	togics	boller other
Initial Depth to Water (# BTOC):	iter (ft BTO	Ö				Measure Point:	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ft btoc:	rom table	) ft btoc: _					
Color: clear, grey, yellow, brown, black, cloudy, green	yellow, t	brown, błac	* cloudy.		Odor: none, suiphur, organic, other	ıiphur, organl	ic, other solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Sitt, Sand

	Sampling Event 3006  Date 7-26-0 6	- And - Oliver - Oliv		Min. Purge Volume (gdx)/t0.)	Diss. Oxygen Temp. Comments	7.9425.3	8.08 24.5	80	9 7.91 24.7		20.8	8,32,23	8 8,46 23.4		% +/- 0.5 NA mg/L	NA	well port spigor Daller other		Medisure Point: Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:		Odorfnang sulphur, organic; other Solids: Trace, Small Qu. Med Qu. Large Qu. Particulate, Silt, Sand			
	30.97-7		1	Purge Rate (gpm) xm	ors below)	$\sim$				•		2							Steel Casing WATER I		Solids: Trace, Small 6			
	ampling Event Date	año.	o o	5/2400			2.5	<b>-</b>	7	7	<b>-</b>								oint: Well TOC		ganle, other	7	. :	
;	& 		QC Sample	ge Method: ime (gal)/(L)	<u></u>	25,	24.	7	24.	24.	M	ئر د	23.9		Ą	ΑĀ	spigot		Measure Pc		fulphur, org			
				Purg Viin, Purge Volu	Diss. Oxygen	1 . 1	이-	-0	7.91	7.78	0],	4J	4		+/- 0.5 mg/L		well port				none			
	tudy	SHOUNS	072606		Conductivity	0.67	0000	_~1 _ '	0.59	ù	85.0	3,	0.58		+/- 5%		pump tubing							
	kground Study	Fleid Cond	28,	imber: *C	H.	6.32	6.77	7.0	7.25	7,30		7.5)	7,55		+/- 0.1 pH units						ck. cloudy.			
•	Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00	90005	865	Purge start Time 603 Flow Cell: Y / N Instrument Serial Number: 101 849	Vol. Purged gations / liters	4	ωi	ر د د	20		87	7.	36		:riteria:	to sampling?	Sample Location:		STOC):	ble) ff btoc: _	grey, yellow, brown, black, cloudy, green			
	Ject Name PG&E Hinkley Job Number 328060.BS.WS.00	Field ledim	Well/Sample Number	rt time	Time	0805	0807	0811	580	0815	\$180	0280	7280		Parameter Stabilization Criteria:	Did Parameters Stabilize prior to sampling?	0824		Initial Depth to Water (# BTOC);	WD (Well Depth - from table) ft bloc:				
	Project N Job Nu	Dieid	Well/Sa	Purge Sta Flow Cell:	Water		<u>4</u>	¥ 4	13	M(A	~~ h		₹/2		Parameter S	Did Parameter	Sample Time	Comments: _	Initial Depth	WD (Well De	Color: clear			

Project Name PG&E Hinkley Background Study Job Number 328060.85.W5.00	Hinkley Bac	skground S	tucky		Sam	Sampling Event 3006 Date 77 - 2 G - CO.
Field Team <b>Ekel</b>	10ckb	Field Conditions	ittions Ltot			1 11
Well/Sample Numb		- 29-	209260		GC Sample ID	QC Sample Time
Purge Start Time 0944	44	4	l	J J	Purge Method: \$70	Ded. Pump
Flow Cell: Y / 🚱 Instrument Serial Number:	nent Serial Nu		101 8 17	Min. Purge Volume (gal)/(L)	me (gal)/(L)	M (A Purge Rate (gpfm) (mt.pm) (2
Water Time Level	Vol. Purged gallons / liters	된	Conductivity (Ch.	Diss. Oxygen mg/L	Temp. ိင	Comments (See descriptors below)
92.41 0845	2	7,66	0,49	8.34	23.1	
15	رو		17	8.26	22.7	
_	01	19.6	0.49	24.14	27.6	
92.09 0851	<b>†</b> ]	7.62	0.49	20'8	22.5	
94.95 09.53	8	1,54	0,48	9.37	22.1	
						J
						אומיל טעורק של אוליל
Pourmoter Stubilization Citieria	ileria:	+/- 0.1 pH units	%9 -/+	+/- 0.5 mg/L	NA	
Did Parameters Stabilize prior to sampling?	sampling?	٨	7	7	NA	
Sample Ime 0955	Sample Location;		Bulant dund	well port	<b>A</b> 100 cs	boiler other
Comments:						
Initial Depth to Water (# BIOC):	(OC):				Measure Point: Well TOC	Well TOC Sheel Casing WATER LEVE, METER SERIAL NUMBER:
WD (Well Depth - from table) ft btoc:	Ne) ff btoc:_					
Color: clear, grey, yellow, brown, black, cloudy, green	, brown, bla	ck cloudy,		Odor: none, sulphur, organic, other	ulphur, organi	ilc, other Solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Sitt, Sand
				;		

Project	Name PG&E	Project Name PG&E Hinkley Background Study	kground \$	Study		Sami	Sampling Event 3006
N dol	Job Number 328060.BS.WS.00	0.BS.WS.00					Date 07-26-06
Field	Fleid Team	H	Field Conditions	clitions 1401			Page of
Well/Sc	Well/Sample Number	B65-10	li il	202260	• []	QC Sample ID	
Purge Sto	Purge Start Time 04		<u>.</u>		Purgé	Purge Method: 5pt 90	
Flow Cell	I.Y / N Instru	Flow Cell: Y / N Instrument Serial Number: (U ) 1	Juber:	-	Min. Purge Volume (gal)/(t)	네	Purge Rate(gpm)/(mtpm)
Water Level	Time	Vol. Purged galons / liters	Hd	Conductivity / CM	Diss. Oxygen mg/L	Temp. ိင	Comments (See descriptors below)
111.95	2160	4	7,93	0.45	6.50	25.0	
1	09(5	æ	7.74	0,44	11:4	L' 42	
107,01	7160	12	7.72	0.44	2,20	24.8	
((.60	0919	و	17.7	0,44	5.01	24.8	
108.65		70	7.72	0.44	27.5	24.8	
			+/-0.1	*-/-	+/- 0.5	NA	
Parameter	Parameter Stabilization Criteria:	:iferia:	pH units	I.	mg/L.		
Did Paramete	Did Parameters Stabilize prior to sampling?	to sampling?	7	>	h	NA	
Sample Time	62000	Sample Location:	cation:	pulant amuq	well port	<b>以</b> toolas	boter other
Comments:							
Initial Dept	Initial Depth to Water (# BTOC):	3100);			2	Measure Point:	Weil TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Well D	WD (Well Depth - from table) # btoc:	ble) ff btoc:					)
Cologicies	ir, grey, yellov	Color clebr, grey, yellow, brown, black, cloudy, green	ck, cloudy,		Odornfone) sulphur, organic, other	ilphur, organi	iic, other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
					)		

Project Name PG&E Hinkley Background Study	E Hinkley Bac	kground S	tudy		Sam	
Job Number 32806	50.BS.WS.00					Date 7-26.06
Field Team Elector	( Garbb	Field Conditions	Illions Hort		1	Pageof
Well/Sample Num	ber 865	7.7	072606		GC Sample ID	SC Sample Time
Purge Start Time   0 (	0			<u>2</u>	Purge Method: 5	15,20
Flow Cell: Y / (N) Instrument Serial Number: 101899	ument Serial Nc	- Imber: <u>  0</u>	- 1	Min. Purge Volume (gal)/(L)	me (gad)/(L)	
Water Time	Vol. Purged	돐	Conductivity	Diss. Oxygen mg/L	Temp. ိင	Comments (See descriptors below)
64.18 1012	25	724	1.7	9.8)	23.0	
160	2,0	7.06	بو ئــــــــــــــــــــــــــــــــــــ	8.72	2112	
65.19 1016	7,5	3.00	9	8.83	26,4	
1	0.0	96.9	و	88.8	20.3	
65.18 1.020	12.5	7.08	آه.	9.24	2002	
	i 1	+/- 0.1 bH units	%9 -/+	+/- 0.5 ma/L	Α̈́	
Did Parameters Stabilize prior to sampling?	cireina.	7	7	) 	NA	
, CO		$\prod$			X   -	The state of the s
Comments:	sample Location:		Buonidund	well borr	- Jobies	
					:	
Initial Depth to Water (# BTOC):	BTOC):			<u>-</u> 	Measure Point:	Well TOC Sheel Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ft btoc:	able) ff btoc:_			1		
Color: cleat, grey, yellow, brown, black, cloudy, green	w, brown, blak	ck, cloudy,		Odor: none, sulphur, organic, other	Jiphur, organ	ilc, other <b>Solids</b> : frace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand

Project No	ject Name PG&E Hinkley	Project Name PG&E Hinkley Background Study	kground S	study		Sampli	Sampling Event 3006	
FieldT	Field Team 562	1/69k	Field Conditions	Millions (45)			o	
Well/San	Imple Numi	Well/Sample Number   665 -   4 -		012601	9	GC Sample ID	QC Sample Time	
Purge Start	Purge Start Time 1234	3.4			- Purg	Purge Methòd:	Ded: Pump	
Flow Cell: \	/ ( Instru	Flow Cell: Y / (1) Instrument Serial Number: 101 934	mber: 10	1884 M	In. Purge Volume (gal)/(L) h	) <b>4</b> (3)/(106) eu	Purge Rate (ppm/ml.pm) 2	
Water	≣me	Vol. Purged gallons/itters	На	Conductivity	Diss. Oxygen mg/∟	Temp. C	Comments (See descriptors below)	
102.39	1238	8	7.69	0.59	230	36.0		
72.60	(242)	12	7,64	65.0	1 .94	34.9		
1	1242	و	272	0.54	08.2	33.q		
(0) (0)	1244	20	1.67	0.53	6 · 1	33.1		
l	1740	رب م	7.69	26.0	りして	1.78		
102.52	1250	7	200	0.52	2.36	21.6		
			:		:			
						:		
on in the state of	(	i	+/- 0.1 pH units	%9 -/+	7/6W	NA		
Did Parameters Stabilize prior to sampling?	Stabilize prior	to sampling?	<b>ک</b>	>	Ϋ́	NA		
Sample Time	रदरा	Sample Location:	1	pump tubing	Mell bort	togicts	boller other	
Comments:								
Coilid Death to Water (# BIOC):	Worter (#1	BIOC:				Measure Point:	Well TCC Steel Cosing WATER LEVEL METER SERIAL NUMBER:	
WD (Well Depth - from table) ff btoc:	oth - from ta	ible) ff btoc:						
Color: clean	grey, yellov	Color: creating grey, yellow, brown, black, cloudy, green	.k, cloudy,		odor: (One)	Odor: fone, sulphur, organic, other	other solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand	

/

Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00 Field Team 742 / 6446 Field Conditions	E Hinkley Bac 0.Bs.ws.oo	inkley Background Study S.WS.00 CAKE Field Conditions	tudy Hilons			Sampling Event 3506  Date 7 - 26 - 06  Page of
Imny eldu	ber 1365-		272606		GC Sample ID	O (A) acc sample time
Purge Start Time 13	Purge Start Time 1316 Flow Cell: Y / N Instrument Serial Number: 101889	_ Imber:∫⊘}	_	Purge Method: Min. Purge Volume (gal)/(L)	Purge Method:	Ded Pump Purge Rate (gpm) (ml.pm)
Time	Vol. Purged	동	Conductivity Ph 5/69	Diss. Oxygen	Temp.	Comments (See descriptors below)
1318	4	7.38	1	7.5)	25.0	
1520	8	7,17	1, 4	7,44	23.5	
1322	17	7,14	1.4	<i>51'C</i>	23.3	
1324	9	7,14	1,4	7.42	212	
1376	36	1, K	1.4	7,46	23.0	
						A CONTRACTOR OF THE PROPERTY O
					į	
Parameter Stabilization Criteria:	>ifleriα:	+/- 0.1 pH units	*/- 5%	+/- 0.5 mg/L	NA	
Did Parameters Stabilize prior to sampling?	to sampling?				NA	
Sample Time 1328	Sample Location:			well port	togids	boller other
Initial Depth to Water (# BTOC):	BTOC):				Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) if btoc:	WD (Well Depth - from table) if bloc:	No lock	oreen	Odo pone /s	) Salobur, ordanic, other	ic. other <b>Solids:</b> Trace, Small Qu. Med Qu. Larae Qu. Particulate, Silt, Sand
, grey, yellor	w, Diowit, Dio			` '	(i) (ii) (ii) (iii)	

Project N	lame PG&E	Project Name PG&E Hinkley Background Study	:kground \$	Study		Sam	Sampling Event 3006
Field	Field Team (C) ( 6 + 6		Field Conditions	ditions (+524			Page of
Well/\$a	Well/Sample Number	365-30-	•	272606		QC Sample ID	MW-94 60 Sample Time 6 1400
Purge Start Time	ırt Time (S	-1 71			Pug Pug	Purge Method: Sep 1907	Ded. Pump
Flow Cell:	Y / N Instru	Flow Cell: Y / N Instrument Serial Number:	ımber:	<b>-</b> 1	Min. Purge Volume (gal)/(L)		
Water Level	Time	Vol. Purged gallons / liters	Ha	Conductivity AS/CA	Diss. Oxygen mg/L	Temp.	Comments (See descriptors below)
1/4	1356	8	01.8	9.74	7.64	25.9	
NA	1350	2	0,8	0.71	7,73	6.43	
4/4	140)	<u> </u>	8.032	0.70	6616	23.6	
2/4	1403	2202	7,94	0,69	7,95	23.6	
4/4	1405	921	7,92	0,70	56'1	23.7	
							Efran Orkz
Parameter S	Parameter Stabilization Criteria:	riteria:	+/- 0.1 pH units	%\$ -/+	+/- 0.5 mg/L	N.	
Did Parameter	Did Parameters Stabilize prior to sampling?	to sampling?	۲	<b>&gt;</b>	\ \	AN	
Sample Time	1407	Sample Location:		pulicut quuq	well port	Z todas	baier other
Comments:							
Initial Depth	Initial Depth to Water (# BTOC):	ITOC):				Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:
WD (Well De	WD (Well Depth - from table) ff btoc:	ble) ff bfoc: _					
Coloniclect	Sgrey, yellow	colon-clears grey, yellow, brown, black, cloudy, green	ck, cloudy,		Odoknone, suphur, organic, other	ufphur, organ	ilc, other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand

Project Name PG&E Hinkley Background Study	E Hinkley Bac	kground S	hudy		Sam	×Ι
Job Number 328060.BS.WS.00	0.8S.WS.00	WS.00	sucility sucility		1	Pose of
The Property of the Property o	2 2		1			$\  \ $
Well/Sample Number B 65	ber 13 65 -	31-	072606	İ	QC Sample ID	oc sample Time
Purge Start Time ( 2	1426		;	Pur	Purge Method: S	Presi
Flow Cell: Y ( Instru	(Dinstrument Serial Number: 1 or 884	Imber:		Min. Purge Volume (gal)/(L)	<b>7</b> (Ɗ/(ɒნ) əu	1 (A Purge Rate (gpm)/(mLpm) 2
Water Time Level	Vol. Purged gallons / liters	듄	Conductivity	Diss. Oxygen mg/L	Temp. °c	Comments (See descriptors below)
84,62 14 28	4	803	9	6.41	33.8	
84.6 (1430	8	8,13	250	7.60	24,8	
- 432	12	8,07	0510	9.40	23.52	
84,02 1434	9 -	7.99	0.49	6.24	23.2	30016 Wat/ 123
83.79 1436	20	7.92	26'0	6.76	27.3	
83,75 1438	24	7.95	0.54	7.22	25.6	
1440	28	2,48	0.55	6.83	128.8	
		+/- 0.1	%9 -/+	+/- 0.5	NA	
Parameter Stabilization Criteria:	Criteria:	Sillin rid		ng/L		
Did Parameters Stabilize prior to sampling?	to sampling?	سو	5	4	NA	
Sample Time 1442	Sample Location:		pump fubing	well port	spigot	boiler other
Initial Depth to Water (# BTOC): WD (Well Depth - from table) ff btoc:	BTOC):				Measure Point	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:
Color: clear, grey, yelfow, brown, black,	w, brown, blak	cloudy,	green	Odor: none, sulphur, organic, other	ılphur, organi	iic, other <b>Solids:</b> Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand

Project	Vame PG&E	Hinkley Bac	kground (	Study		Sam <sub>i</sub>	Sampling Event 3006	
Job N. Field	Team SKT	Field Team <b>ELT 1 Linds p.g.</b> Field Conditions	Field Cont	ditions H			Poge of	
Well/Sa	Well/Sample Number	Der B65-24	(	072706		QC Sample ID	GC Sample Time	
Purge Start Time	11 gme 08 1/				Purg	Purge Methodicy Lund	8	
Flow Cell: Y	$\overline{}$	(N) Instrument Serial Number:		BT N	Min. Purge Volume (gd)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(ml.pm)	
Water Level	lime	Vol. Purged gallons / liters	Hd	Conductivity  US / Co-	انما	Temp.	Corrynents (See descriptors below)	
52.30	0813	4	7.40	369	6.8d	17.76		
52.31	5180	∞	147	369	[0,12	17,90		
52.31	5917	7-	7.51	369	22.0]	17.82		
52.31	0819	91	7.53	369	10,31	17,82		
52,32	1280	20	3.56	369	10.45	17.82		
:								
		:						
Deromotor	Porcomplex Stabilization Officers	Herio:	+/- 0.1 pH units	%9 -/+	+/- 0.5 mg/L	NA		
Did Paramete	Did Parameters Stabilize prior to sampling?	o sampling?	7	7	7	NA		
Sample Time	1280	Sample tocation:		pump tubing	well port	spigot	boiler other	
Comments	1	ر <del>ا</del> ا	15,0	5				
Initial Depth	Initial Depth to Water (# BTOC):			:		Measure Point	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:	
WD (Well De	WD (Well Depth - from table) ff btoc:	ole) ff btoc:						
Sed.: cled.	grey, yellow	cold: cledr. grey, yellow, brown, black, cloudy, green	ck, cloudy,		odor: none; syphur, organic, other	phur, organ	ic, other solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand	Sand
							,	

	ı					
Project Name PG&E Hinkley Background Study Job Number 328060.BS.WS.00	E Hinkley Bac 0.8s.ws.oo	skgrounds	study		Sam	Sampling Event 3006 Date O7/27 (CC)
Field Team	$\delta_j$	Field Conditions	ditions			Poge of
Well/Sample Number	27	-03			ac sample ID	ac somple Time
Purge Start Time		1		Purg	Purge Method:	Ded. Pump
Flow Cell: Y / N Instrument Serial Number:	ument Serial No	unber:	_	Min. Purge Volume (gal)/(L)	me (gal)/(L)	Purge Rate (gpm)/(ml.pm)
Water Time	Vol. Purged gallons / Ilters	된	Conductivity	Diss. Oxygen	Temp.	Comments (See descriptors below)
101 45 8.29	2					
}	Ų.	639	0.87	8.82	23.6	
10218 8:34	10091	683	6.79	Sicho	22.9	
102.19 8.37	16201	7.0Ö	0.78	8.72	22.7	
102 19 8 40	12991	7.28	0.78	8,67	22.60	
25.6	28699	7.33	0.78	8.59	12.7	
0.40	2199					
			•			
Parameter Stabilization Criteria:	Criteria:	+/- 0.1 pH units	-/+	+/- 0.5 mg/L	NA	
Did Parameters Stabilize prior to sampling?	to sampling?				NA	
Sample Time $S'$ $G$	Sample Location:		pump fubling	_well port	\$00ids	boller other
Comments:						
Initial Depth to Water (# BTOC):	BTOC):				Measure Point: Well TOC	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ff btoc:	ible) ff btoc:					
Color: clear, grey, yellow, brown, black, cloudy, green	w, brown, bla	ck, cloudy,		Odor; none, sulphur, organic, other	ulphur, organ	ic, other solids: Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
					E	

Project Name PG&E Hinkley Background Study	E Hinkley Bac	skground S	tudy		Sam	Sampling Event 3006
Field Team	u)92	Field Conditions	iffons		1 1	
Well/Sample Number	30-	-25			QC Sample ID	GC Sample Time
Purge Start Time	]			Purge	Purge Method:	Ded. Pump
Flow Cell: Y / N Instrument Serial Number:	ument Serial No	umber:	2	Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(mLpm)
Water Time	Vol. Purged gallons / liters	풉	Conductivity	Diss. Oxygen mg/L	Temp.	Comments (See descriptors below)
70.15 9:23	106 2	<b>%</b>	-	5.24	204	
52.6 25 69	1604	717	2.0	5.38	24C	
5.5	1200	7.19	ان ان	\$ 560°	07.7	
939	1600	7.19	20	5,55	0.4%	
6970 921	1600)	817	20	S48	239	
Parameter Stabilization Criteria:	Criferia:	+/- 0.1 pH units	+/- 5%	7/6 <b>ш</b> #√ 0.5	NA	
Did Parameters Stabilize prior to sampling?	r to sampling?				NA	
Sample Time 9:35	Sample Location:	1	pump tubing	well port	spigot	baller other
Comments:						
Initial Depth to Water (# BTOC):	.BTOC):				Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER.
WD (Weil Depth - from table) ff btoc:	able) ff btoc:_					
Color: clear, grey, yellow, brown, black, cloudy, green	w, brown, bla	ick, cloudy,		Odor: none, sulphur, organic, other	ilphur, organi	c; other <b>Solids</b> : Trace, Small Qu, Med Qu, Large Qu, Particulate, Silt, Sand
					•	

79/ 22	ŁΙ	GC Somple Time	1 '	Purge Rate (approximitem)							and the second s				And a state of the				other		Stand Coding WATER IFVE METER SERIAI MIMBER: 7286	1	solide: Trace Small Qu, Med Qu, Large Qu, Porticulate, Silt, Sand	
Sampling Event 3006			Temp Pump Ded Pump		Comments (See descriptors below)												· · · · · · · · · · · · · · · · · · ·		boller	B @ 1030	O III			d e
San	E	QC Sample ID	Purge Method:	(1)/(pb) eu	Temp.	9h·b)	75.61	15'61	19,52	19.50							Υ V	NA	spigot	7-30E1	Magsure Poin		ılphur, orga	
	7.06/ B		- Purg	Min. Purge Volume (gal)/(L)	Diss. Oxygen	7.83	96.36	25.9	6,24	6.19							+/- 0.5 mg/L	17	well port	-35_072706-EB	_		Odormone) sulphur, organic, other	
hdy	Hons sunny	305			ativity	017	1161	(1+1)	1712-	1712							+/- 5%	11	pump tubin	i Aw		/خ		
kground Si	Field Conditions	MW-35-072706		mber: 875	Æ	3.00	6.49	66.9	86.9	86.9						,	+/- 0.1 pH units	7.7	ľ	477	7.12	120.	k cloudy,	
Project Name PG&E Hinkley Background Study. Job Number 3280x0.85.WS.00	\$ logan	»er M∞-3	55,	Flow Celt N Instrument Serial Number: 875 # 6	Vol. Purged	9	7.1	38	24	30							riteria:	o sampling?	Sample Location:	Equipment Blank		ole) if bfoc:	color clear grey, yellow, brown, black, cloudy, green	
Ject Name PG&E Hinkley Job Number 3280x0 85 ws.00	Field Team Kalo \$	Well/Sample Number	If Time 09	N Instru	Time	2280	5560	6560	1001	1003							Parameter Stabilization Criteria:	Did Parameters Stabilize prior to sampling?	900)	wiping	lottici Denth to Water (# BTOC):	WD (Well Depth - from table) if bfoc:	grey, yellow	
Project N	Field	Well/Sa	Purge Sta	Flow Celt	Water	77.62	77.CH	77.64	77.64	りったも							Parameter S	Did Parameter	Sample Time (606		Initial Denth	WD (Well De	Color	

4.

Project Na	me PG&E	Project Name PG&E Hinkley Background Study	kground S	thdy		Samp	Sampling Event 3006
Job Num	Job Number 328060.BS.WS.00	).BS.WS.00					Date 07/27/O.(3
Field Team	am		Field Conditions	litions			٥
Well/Sam	Well/Sample Number	Ser Oi-C	پر			GC Sample ID	QC Somple Time
Purge Start Time	Time i	×			Programme Progra	Purge Method:	Ded. Pump
Flow Cell: Y	/ N Instru	Flow Cell: Y / N Instrument Serial Number:	ımber:		Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(mi.pm)
Water	Time	Vol. Purged gallons / Ilters	돐	Conductivity	Diss. Oxygen mg/L	Temp. ໍດ	Comments (See descriptors below)
35.94	81.01	299					
	10:21	699/Rue	1580	03CD	9.39	21.4	
35.55	10:23	1069/pm	8.27	0.33	166	18.9	
	10.25	14661	10°8	0.33	20.6	19.2	
į	10.27	-	803	0.33	9.CC	18.9	
1 550 DS	10:20		1662	0.32	19.6	19.0	
		ס					
				-			
Porcimeter Stobilization Citieria:	bilization C	rierio.	+/- 0.1 pH units	%9 -/+	9'0 -/+	NA	
Did Parameters Stabilize prior to sampling?	tabilize prior t	o sampling?				ΝΑ	
Sample Time	0.32	Sample Location:	]	pump fubling	well port	spigot	baller other
Comments:							
Initial Depth to Water (# BTOC):	Water (ft B	10C):			≥	Measure Point:	Well TOC Steel Casing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ff btoc:	h - from tak	ole) ff btoc:					
Color: clear, grey, yellow, brown, black, cloudy, green	irey, yellow	r, brown, blac	ok cloudy,		Odor: none, sulphur, organic; other	lphur, organic	c; other <b>Solids:</b> Trace, Small Qu, Med Qu, Large Qu, Particulate, Sllt, Sand

Project Name PG&E Hinkley Background Study	<u> </u>	/ Backg	round Si	hdy		Sam	Sampling Event 3006
Job Number 3280	00.8S.WS.0		Stold Conditions	accil.			
rieid ledin	3			a Dill			
Well/Sample Number		36 -	<b>2</b> 4		<b>,</b>	QC Sample ID	SC Sample Time
Purge Start Time	11:09				Purg	Purge Method:	Ded. Pump
	frument Ser	ial Num	ber	2	Min. Purge Volume (gal)/(L)	ne (gal)/(L)	Purge Rate (gpm)/(mLpm)
Water Time	Vol. Purged	Ded Iffers	Hd	Conductivity	Diss, Oxygen mg/L	Temp. ຶ່ວ	Comments (See descriptors below)
PO:11 82 11:09	1/402	/ M. 1					
	793		7.53	<i>⊗</i> .	4.93	23.8	
748511113	800	-  -	ファント	1.7	5.09	8 12	
11:15	1200	-	2.3	1.7	5.05	7.5	
7063 11.17	200	-	737	1	5.12	21.17	
74.82111.19	2002	-	7.36	9	S ::	212	
17.11	24 09	-	7.35	2	5.10	21.3	
		<del> </del>					
		$\vdash$					
	_						
		<del> </del>	10-/+	1	+/- 0.5		
Parameter Stabilization Criteria:	ı Critteria:		pH units	+/- 5%		<b>∀</b>	
Did Parameters Stabilize prior to sampling?	or to sampling	25				¥	
Sample Time 1/17	Som S	Samole Condition:	]	Coldations	boot less	todios	baller
Comments:							
Initial Depth to Water (fl BTOC):	ff BTOC):					Measure Point:	Well TOC Steel Cosing WATER LEVEL METER SERIAL NUMBER:
WD (Well Depth - from table) ff bloc:	table) ff bf	       					
Color: clear, grey, yellow, brown, black, cloudy, green	ow, brown	, black	cloudy.	Ĭ	Odor: none, sulphur, organic, other	ılphur, orgar	nic, other <b>Solids</b> : Trace, Smalt Qu, Med Qu, Large Qu, Particulate, Silt, Sand

		(24 C		500																7777	Steel Casing WATER LEVEL METER SERIAL NUMBER: 26 CKG	solideringee, Small Qu, Med Qu, Large Qu, Particulate, Sitt, Sand			
Sampling Event 3006	7,07	MW-43 ac Sample Time	QED Ded. Pump	Purge Rate (gpm)/(mtgr	Comments (See descriptors below)													boiler other	07/10		_				
Sam	J 50	QC Sample 1D	Purge Method: 4	7)/(pg) eu	Temp.	21.23	21.05	20,87	48.02	18:02						NA	NA	spigot	6	:	Measure Point: Well TOO	Iphur, organ			
	o) / hun		Purge	Min. Purge Volume (got)/(1)	Diss. Oxygen mg/L	68.9	45.9	6.50	6.35	6.33					7, 05	mg/L	3	well port	<b>ランエィエ</b> へ	16.700	2	Odornane, sulphur, organic; other			
hdy	255	30£2F			Conductivity	1710	1307	1303	1695	1831						+/- 5%	3	out the contract of the contra	N	ሳ					
kground Si	Field Conditions	#260-90-MM		imber: 175	H	7.00	6.99	200t	7,00	7.01					1,4	pH units	1,7		01C1W		70.07 10.07	ck cloudy.			
Project Name PG&E Hinkley Background Study	* L·		.28	Flow Cel(3)/ N Instrument Serial Number: BTS # 6	Vol. Purged gallons fillers	ø	7.	9	S	9					į	riferia:	to sampling?	Sample Location:	+ + 5	1		Color (clear) grey, yellow, brown, black, cloudy, green			
Ject Name PG&E Hinkley	Field Team Logan	Well/Sample Number	Time /2	3)/ N Instru	Time	(232	1236	0h21	1244	1248						Parameter Stabilization Criteria:	Did Parameters Stabilize prior to sampling?	(253	Du of the	2018	Initial Depth to Water (# 810C):	grey, yellow			
Project N	Field	Well/Sa	Purge Start Time	Flow Cel	Water Level	91.13	71.13	91.12	91,13	91.12						Parameter S	Did Parameter	Sample Time	Comments:	1	Initial Depth	Color clear			

Project I	Name <u>R</u> a	ack grow	~d 5+	udy	Sc	ımpling Event				
		<u>49,775.</u> 9		102			09/26/0		·	
Field Con	i Team		<u> </u>		·	Meter Serial No.	<del></del>		<del></del>	
<del></del>		11ce 75			· · · · · · · · · · · · · · · · · · ·	Page	or _3_		· .	
Well/Sar	nple Numi	ber <u>BGS</u>	<u> </u>		Start	Time 9.21				
Initial	Depth to W	/ater			Duplica	te Number			Dupl, Time	
	Measure P	Point: Well TOC	Steel Cosin	9	Purge Me	thiod: Ded Pump	Other			
	Flow	Cell:(🕅 / 🏟 🗥	•	Min. Pu	rge Volume (g	al)/(L)	Purge Rate (c	gpm)/(mLpm)	)	
Water	Time	Vol. Purged	ρН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh/ORP
. Level		gallons / liters		u\$/cm	บับ	mg/L	*⊂	%	g/t	mv
	9:23	4 991	8.19	0.458	-0.8	851	2213		0.298	124
	9.25	8 ogal	7108	0.433	0.7	8.08	22.05		0.281	132
	9.27	12991	7.72	0.430	<b>→0.</b> 6	7.88	21.93		0.279	135
	9:29	10991	7.76	0.427	#10	7.65	21.83	,	0.278	138
		J					·			
			:							
<u></u>	<u></u>								,,,,,,	
ample Time	9:31	Sample Lo	cation:	pump tubing w	ell port dor	mestic spigot - bailer	Other			
Remark		•								
<del></del>		- 12			· · · · · · · · · · · · · · · · · · ·	- 042	· · · · · · · · · · · · · · · · · · ·	•	· · · · · · · · · · · · · · · · · · ·	
Well/Sa	npie Num	ber Smith	,-/ c			Time <u>950</u>			_	0
Initia	Depth to W	Vater		BG5-3	2 Duplica	ite Number	MW-90-	092606	Dupl. Time	10:08
	Measure f	Point: Well TOC	Steet Cosir	ng	Purge Me	ethod: Ded. Pump	Other			
	How	Cell(Y)/N		Min: Pu	ırge Volüme (g	od)/(L)	Purge Rate (g	pm)/(mLpm	)	
Water	Time	Vol. Purged	Hq	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh / ORP
Level		gollons / liters	•	uS/cm	NTU	mg/L	°C	%	g/L	mv
	9:52	40	7.95	0.764	8.0	7.48	22.38		0.489	129
	9:54	Хď	7.92	0.700	7.3	7.19	23.24		0.490	128
	9:56	128	803		2.9	698	23.93	٠	0.490	116
	9.58	169	903	0.770	13.4	6.95	24.02		0.492	3111
		J	1							
		· .								
T										
					.,					
Cample Time	10:00	Sample to	cation		-0			.k		
		_ sample co	callon:	pump tubing w	ell port do	mestic spigot - bailer	Other			•
Remark	s					·	· .			
Well/Sa	mple Num	ber Venc	11-1_	092600	Star	t Time 10:19				
	Depth to V			BG5-3		ite Number			Dupt. Time	
		Point: Well IOC	Steet Cost	•		ethod: Ded. Pump	Ofher		J Daps. 111110	******
		Cell / N	5,000,000		urge Volume (g		<del></del>	nunco V (real en en	```	
	1	<del>,                                    </del>	· 				Purge Rate (			1 .
Water Level	Time	Vol. Purged gations / liters	Hq	Conductivity	Turbidity NTU	Diss. Oxygen	Temp. °C	Salinity %	TDS	Eh/QRP
20701	10:21	<u> </u>	700		l	1	1	76	g/L   10 P/O	my .
	<del> </del>	49	188	1:39	3.6	681	24.97	<del> </del>	0.89	1111
"	10:23	<u>89</u>	708	140	2.6	7.23	23.11	<del> </del>	0.90	<b>4</b> 11/
	10:25	149	792	1.40	3.9	7.16	22.76	<u> </u>	0.90	<b>●</b> ↓↓ 0
<u> </u>	10:27	100	797	1:39	0.5	1.03	22.76	<u>}</u>	10.87	108
<u> </u>	1	<u> </u>		-	<u> </u>				<b> </b>	
<u> </u>	1	1	<u> </u>		ļ				<del>                                     </del>	
						<u> </u>	<del> </del>			
L	<u> </u>	L		L	<u> </u>	1	<u> </u>	<u> </u>	1	L
Sample Tim	<u> 10:29</u>	Sample Lo	ecation:	pump tubing w	reli port dio	mestic spigot baller	Other			
Remark	s									

Job Nu		90KU100 -19775-				mpijing Event Dale	09/261	000		
		W9005		· · · · · · · · · · · · · · · · · · ·		Meter Serial No.	100883			
Field Cond	titions /	ice				Page				
Well/San	ple Numt	per M.c. Con	mell-	_092666	Start	Time_10:45				
		ater	,	865-3	• 4	te Number		•	Dupl. Time	
		oint: Well TOC	Steel Casin	•	•	thod: Ded. Pump	Other		T	
		Cell/Ŷ)/ N		-	rge Volume (g		Purge Rate (c	pm)/(mLpm	<del></del> )	
Water	Time	Vol. Purged	рH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh / ORF
Level		galions / liters		u\$/cm	NTU	mg/t.	°C	%	g/L	mv
	10:47	49	8.13	0.509	22	6.05	26.09		0.326	94
	10:49	85		0512	3.9	6.01	25.03		0.328	<u> 25</u>
	1051	129		0.516	0.8	(2)	25/0		0.329	<u>95</u>
	10.23	1100	8:11	0.513	0.0	5.95	25 /9		0.329	88
		J			:					:
		·		<u> </u>						
	· · · · ·									
mole fime	10.55	Samala La	ootion:	pump tubing w		l		L	1	
•	<u> </u>	actuble ro	CUHOTE	samp ruoing, w	ы роп сог	nestic spigot - bailer	Other	•		
Remarks		· · · · · · · · · · · · · · · · · · ·		· •				<del></del>		
Well/San	nple Num!	ber <u>Tinde</u>	11-1-0	7/2600	Start	Time <u>      08</u>				
Initial	Depth to W	oter		B65-3	ζς Duplica	te Number			Dupt. Time	
	Measure P	oint:well FOC	Steel Casin			thod: Ded Pump	Other		······································	
	Flow	Cell∰/ N		Min. Pu	rge Volume (g	ol)/(L)	Purge Rate (g	pm)/(mLpm	)	
Water	Time	Vol. Purged	рН	Conductivity		Diss. Oxygen	Temp.	Salinity	TDS	Eb/OR
Level		gations / liters		uS/cm	NTU	mg/L	°€	-%	g/L	mv
	11:10	49	803	0.585	-0.3	7.60	26.38		0.378	97
	11:12	Υg	801	0588	-2.2	6.94	25.99	ļ	0.377	95
<del></del>	11:14	129	8.00	0.589	<u>-4-0</u>	4.97	24.98	<u> </u>	V351	94
· ·	11-16	169	8.03	0.288	-1.7	685	24.73		0.379	94
·				<b> </b>					<u> </u>	
			<u></u>							
			<del>                                     </del>	<b>!</b>			<u> </u>	<del> </del>		
	11110	C	<u> </u>		<u> </u>	<u> </u>	<u>I</u>		1	<u> </u>
	11:18	sample La	cation:	pump tubing w	eli port doi	mestic spigot bailer	Other			···
Remarks	<del></del>						***************************************			
Well/San	nple Numi	ber Cruz	-1-0	92600	Star	1 Time     2"	7		*	
		/ater		BG5-36		ite Number			Dupl. Time	
		Point: Well TOC				athod: Ded Pump	Other		<b>-</b> · · · · · · · · · · · · · · · · · · ·	
	Flow	Cell(Y)/ N		Min. Pu	ırge Volume (g	jat)/(L)	Purge Rate (g	gpm)/(ml.pm	)	
Water	Time	Voi. Purged	рH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh/OR
Level		gallons / liters		uS/cm	NTU	mg/L	<b>°</b> C	%	g/L	mv
	11:29	39	804	0.531	-5.6	7.36	27.22	7	0.340	101
	11:31	(00°	X62	0500	-49	7.10	26.09	1	0.338	104
	11.33	90	804	8.526	-4.1	707	25.71		0.337	105
	11/35	129	799	0.526	-3.5	7.13	25.26		0.337	107
									1	
			<u> </u>			ļ				
j	<b> </b>								<b></b>	
	1	<u> </u>	<u> </u>	1		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
ample Time	11:37	Sample £c	ecation:	pump tubing w	eli port do	mestic spigot boile	r Other			
Remarks										

		90K 910				impling Event				
Job Na	umber <u>3</u>	49775	<u>21.iv)</u>	2.01	<u> </u>	Dafe Meter Serial No.	09/26/0	0	<del></del>	···
Field Field Cond	Team	50/ 5 J	M	· ·	<u> </u>	meter Serial No.	<u>100887</u> _3 ° ₹			
					<u> </u>		<u>., 0, 7</u>	·	<del></del>	
Weil/San	nple Numi	ber <u>Mc<i>Ca</i>u</u>	12/-1.	.0926CCQ	Start	Time 11:48		<u> </u>		
Initial	Depth to W	ater	'	B65-3	7 Duplica	le Number			Dupl. Time	
	Measure F	Point: Well TOC	Steel Casin	-	•	thod: Ded Pump	Other		·	
	Flow	Cell;(Y)/ N		Min. Pu	rge Volume (g	al)/(L)	Purge Rate (g	bw)/(wfbw)		
Water	Time	Vol. Purged	рΗ	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh/ORP
Level		gallons / litters	····	u\$/cm	NTU	mg/L	°C	%	g/L	.mv
	11:50	79	807	0.500	03	7.83	25.49		0.322	96
	11:52	804		0.502	84	7.77	24.65	<u> </u>	0322	94
<u> </u>	11:24	150	807	0.502	6.0	7.30	24.73		0321	92
<u> </u>	11:5ce	(७८	8.04	0.498	3.5	7 32	24.39		0.320	91
						·				· · · · · · · · · · · · · · · · · · ·
	<b>.</b>									
	1	1		·					<u> </u>	
Sample Time	11:58	Sample Lo	cation:	pump tubing w	ell port don	nestic spigot bailer	Other			
Remarks	i .									<del></del> .
		0	۱ م		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		·			· · ·
		ber Roy	(6-1			Time			1	
Initial	Depth to W					te Number	<u></u>		Dupl. Time	
•		Point: Well TOC	Steef Casir	-	_	thod: Ded. Pump	~~~········	<u></u>		
*****	Flow	Cell: Y (N)		Min: Pu	irge Volume (g	al)/(L)	Purge Rate (g	ibw)/(wfbw)		
Water	Time	Vol. Purged	ρН	Conductivity	Turbidity	Diss. Oxygen	Төтр,	Salinity	TDS	Eh/ORP
Level	<u> </u>	gollons / liters		uS/cm	บาน	mg/L	°C	%	g/L	· mv
	· · · · · ·					, , ,	<u> </u>			
		1		noaco	-50	ten Joche	N. Left	wie 1	nessay	<b>-</b> '
	<u> </u>				<u> </u>				0	
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	<u> </u>	<u> </u>							<u> </u>	
L	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	ļ <sub>.</sub>	<u> </u>		
Sample Time	·	Sample Lo	cation:	pump tubing w	ell port dor	mestic spigot bailer	Other			
Remarks										
			<del></del>		<u> </u>		·····	· · · ·		
	mple Num	<u> </u>			-	t Time	<del></del>		1	•
Initial	I Depth to V	Vater		· •	Duplica	ite Number			Dupl. Time	
	Measure !	Point: Well 100	Steel Cosk	-		ethod: Ded. Pump	Other			•
	Flow	Celf: Y / N		Min. Pt	g) emuloV egt	ol)/(L)	Purge Rate (c	gpm)/(mLpm)	)	
Water	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TOS	Eh/ORP
Level		gations / liters		uS/cm	ทับ	mg/L	<b>°</b> C	%	g/L	ŴΛ
							[			
	T									
								1		
Sample Time	•	Sample La	vation	eviges to before	reli nort	mostle select - Select	, Other		•	
		- sample ro	ACCHOIT.	eumptubing w	екрот до	mestic spigot - bailer	Other			
Remark	s									

		! E Hinkley Background		Groundwater	- Sc	empling Event		Backgrou	und Stuis	<b>3</b> /
100 1/4	nwper	3				Date		6		í
		1.C. Just	- 1 K.		***************************************	Motor Serial No.		······································	- · -	
ield Con	illions	SUAR-1 80	J			Poge	<u> </u>	<u>-</u>		
Vell/San	nole Num	ber Neur	20-1	002704	Stor	†Time_ <u>6930</u>				
	Depth to W		,,	BG5-3		ate Number	į		Dupt. Time	
17 411501		Point: Well TOC	Shoul Carte		•	ethod: December	E		T soby laye	
		Copy V) N	alous cost		olw egitur g) emuloV egit			(airar) (feet man	<del></del>	
			1				<del></del>	(gpm)/(mLpm		
Water level	Timo	Val. Purged g@s/liters	pΗ	Conductivity	Turbidity NTU	Diss. Oxygen	Теппр. *с	Salinity	TDS G/L	EN7OF
****	0035		744		0.642	<u> </u>	· · · · · · · · · · · · · · · · · · ·		·····	
<del></del>	0935	2_	7.41	0.642		8.87 8.08	24.97	0.03	0.416	92
			7-114-	<del>O+444i</del>	0-5	3.00		- <del> </del>		95
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·- <del></del> -					IPPI V VIVVVIIV	,				
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			<del></del>					<u> </u>	<u> </u>	
			<u> </u>			<u></u>			1	L
nple Time	0935	Sample Lo	cation:	pump tribing we	eli port dos	spigot boiler	Other			
Remarks										
Vell/Scan	anie Num	ber Robbi	2 2 1	197706	State	l Times 1002-				
			75 7 - 6		•	<del></del>	<del></del>		1	
illuici	Depth to W		*****	<sub></sub> B&S-3	, ,	ate Number			Dupi. Timp	
		Point: WestOC	Stool Coan		_	alhod: Ded Pump				
	r	Cel(Y) N	J		argo Volume (o	·	Purge Rate (	(3600)/(mrbw)	1.5	
Water Level	Timo	Vol. Purged	ρH	Conductivity usken	Turbidity NTU	Diss. Oxygen	Temp, *C	Salinity %	TD5 g/i	EN/QE anv
	1003	3	7.64	0.451	4.1	8-56	23.30	0.02	0.242	9,
	1005	6	7.79	0.444	0.5	8.08	23.35	0.02	0.788	93
	1007	9	7.75	0.438	1.5	7,88	22.49	0,02	0.785	94
				·						
								ļ		
		ĺ								
		·			i		1	1		
nple lime	1010	Sample Lo	cation;	pump lutery - ve	ell port dor	ment Depot botter	Officer			
	1010	Sample Lo	cation;	brind tripaid aw	eli port dor	THE POOL COME	Officer			
Remorks			· , -,		<u></u>		Olher			
Remorks		Sample La	· , -,	-092706	Stor	Time 1220	Olhser			
Remorks Vell/San		ber Agu,	· , -,		Stort  Duplica	f Time 1020 Ite Number			Dupi. Time	
Remorks Vell/San	n <b>ple Num</b> Depth to W	ber Agu,	lera - 1	-092700 BGS-4	Stort  Duplica	f Time <u>1020</u>			Dupi. Time	
Remorks Vell/San	n <b>ple Num</b> Depth to W Measure F	ber Agu.	lera - 1	-092706 BGS-4	Stort  Duplica	of Time 1020 ate Number othod: Unit Nump	Othea	(spa)v(mlpm)		
Remorks Vell/San	n <b>ple Num</b> Depth to W Measure F	ber Agu, /ater_ Point: wellick: Cell:(Y)/ N	lera - 1	-092706 BGS-4	Start  Duplica  Purge Me	of Time 1020 ate Number othod: Unit Nump	Othea	(qCA)/(mLpm)		
Remorks Vell/San Initial	npte Num Depth to W Measure F How	ber Agu, /ater_ Point: wellick: Cell:(V)/ N	Steel Cosin	-092706 BGS-4	Start  Duplica Purge Ma	t Time 1020 ate Number athod: United timp	Other Purge Rote (	_	1.5	Eh/OP
Remorks Vell/San Initial Water	npte Num Depth to W Measure F How	ber Agu, /ater_ Point: wellick: Cell:(Y)/ N	Steel Cosin	- 042706 BGS -4 Min. Pu Conductivity uston	Start  Duplica Purge Ma  rge Volume (g	t Time // 2.00 ate Number athod: Unit Vimp pal/(1) Diss, Oxygen	Other Purge Rote ( Temp.	Salinity	)_/.5	Eh/OF
Remorks Vell/San Initial Water	np <b>te Num</b> Depth to W Measure F Haw Time	ber Agu, /ater Point: Wellick: Cell:(Y)/ N  Vol. Furged persons / liters 3.0 6.0	Steel Cosin  PH  7. 90  7.84	- 042706 BGS 4 Min. Pu Conductivity uStori	\$tari Duplica Purge Mo Irge Volume (g Turbidity NTU	t Time //2/2/ ate Number athod: Uct Dump ani/(1) Diss, Oxygen my/L	Other Purge Rote ( Temp.	Salinity %	)_ <i>/</i> ・5´   IDS   9/L	Eh/OF
Remorks Vell/San Initial Water	npte Num Depth to W Measure F How Time	ber Agu. /ater Point: Wellick: Cell:(Y)/ N  Vol. Furged pers:/ liters	Steel Cosin  PH  7. 90  7.84	- 092706 BGS 4 In Min. Pu Conductivity uston	Start Duplica Purge Ma rge Volume (g Turbidity NTU	t Time 1020 ate Number offices: Deficiency Diss, Oxygen inyt. 7, 82	Other Purge Rate ( Temp. °C 24-22	Salinity % 0.02	) <u>ル</u> 5 IDG g/L の-273	Eh/OF mv 79
Remorks Vell/San Initial Water	npte Num Depth to W Measure F Haw Time 102-2 102-4	ber Agu, /ater Point: Wellick: Cell:(Y)/ N  Vol. Furged persons / liters 3.0 6.0	Steel Cosin  PH  7. 90  7.84	- 042706 BGS 4 Min. Pu Conductivity uStori	Start  O Duplica Purge Mo urge Volume (g Turbidity NTU  1,5	t Time 1020 ate Number othod: 0et Rimp onl/(1) Diss, Oxygen my/L 7, 82 7, 78	Other Purge Role ( Temp.  *C 24-22 23.48	Salinity % 0.02 0.02	105 g/L 0.273	Eh/OF mv 79
Remorks Vell/San Initial Water	npte Num Depth to W Measure F Haw Time 102-2 102-4	ber Agu, /ater Point: Wellick: Cell:(Y)/ N  Vol. Furged persons / liters 3.0 6.0	Steel Cosin  PH  7. 90  7.84	- 042706 BGS 4 Min. Pu Conductivity uStori	Start  O Duplica Purge Mo urge Volume (g Turbidity NTU  1,5	t Time 1020 ate Number othod: 0et Rimp onl/(1) Diss, Oxygen my/L 7, 82 7, 78	Other Purge Role ( Temp.  *C 24-22 23.48	Salinity % 0.02 0.02	105 g/L 0.273	Eh/OF mv 79
Remorks Vell/San Initial Water	npte Num Depth to W Measure F Haw Time 102-2 102-4	ber Agu, /ater Point: Wellick: Cell:(Y)/ N  Vol. Furged persons / liters 3.0 6.0	Steel Cosin  PH  7. 90  7.84	- 042706 BGS 4 Min. Pu Conductivity uStori	Start  O Duplica Purge Mo urge Volume (g Turbidity NTU  1,5	t Time 1020 ate Number othod: 0et Rimp onl/(1) Diss, Oxygen my/L 7, 82 7, 78	Other Purge Role ( Temp.  *C 24-22 23.48	Salinity % 0.02 0.02	105 g/L 0.273	Eh/OF mv 79
Remorks Vell/San Initial Water	npte Num Depth to W Measure F Haw Time 102-2 102-4	ber Agu, /ater Point: Wellick: Cell:(Y)/ N  Vol. Furged persons / liters 3.0 6.0	Steel Cosin  PH  7. 90  7.84	- 042706 BGS 4 Min. Pu Conductivity uStori	Start  O Duplica Purge Mo urge Volume (g Turbidity NTU  1,5	t Time 1020 ate Number othod: 0et Rimp onl/(1) Diss, Oxygen my/L 7, 82 7, 78	Other Purge Role ( Temp.  *C 24-22 23.48	Salinity % 0.02 0.02	105 g/L 0.273	Eh/OR mv 79 77
Remorks Vell/San Initial Water	npte Num Depth to W Measure F Haw Time 102-2 102-4	ber Agu, /ater Point: Wellick: Cell:(Y)/ N  Vol. Furged persons / liters 3.0 6.0	Steel Cosin  PH  7. 90  7.84	- 042706 BGS 4 Min. Pu Conductivity uStori	Start  O Duplica Purge Mo urge Volume (g Turbidity NTU  1,5	t Time 1020 ate Number othod: 0et Rimp onl/(1) Diss, Oxygen my/L 7, 82 7, 78	Other Purge Role ( Temp.  *C 24-22 23.48	Salinity % 0.02 0.02	105 g/L 0.273	Eh/OR mv 79 77

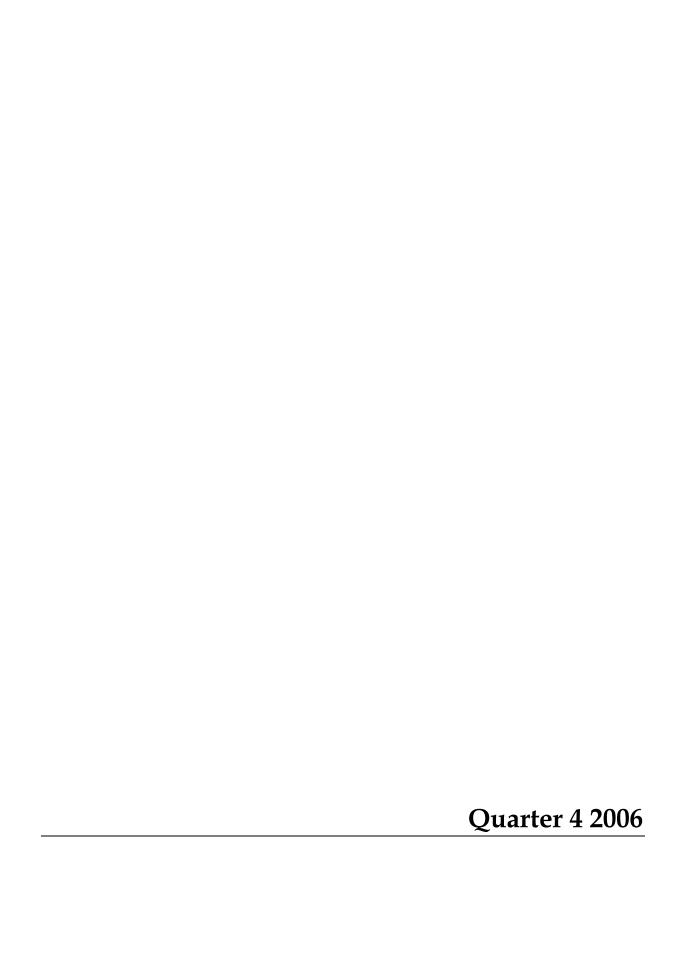
Water Level	Post of the second of the seco		9H 7.72 7.71	Min. Pur Conductivity	Duplica	time 1042 the Number shock bod Pump (d)/(L) Diss. Oxygen mg/L 7, 2-3 7-41 7, 65	*	(PD)/(mLpm) Salinity % 0.04 0.04	Dupl Time   1.55   TDS   g/L   0.560   0.557	Eh/OR mv
Unitial De	Post of the second of the seco	other  cell / N  Vol. Purged extent / stees  3. O  6. O  \$. O	9H 7.72 7.71	Min. Pu Conductivity us/on  0.877	Purplica Purge Me rige Volume (g Turbidity NTU  O. 2 O. 9	te Number sithod: Dod. Pump sol)/(L)  Diss. Oxygen mg/L  7, 2-3  7, 4/	Other Purge Rate ( Temp. *C 28.09 2 7.02	(PD)/(mLpm) Salinity % 0.04 0.04	1.55 TDS g/L 0.560	Eh/OR mv
Water Level	Measure Print Communication Co	cent well foc cent 10/1 N Vol. Purged gat 10/4 / Items 3.0 6.0	pH 7.72 7.71	Min. Pu Conductivity us/on  0.877  0.870	Purge Me rige Volume (p Turbidity NTU  O. 2 O. 9	Diss. Oxygen mg/l.  7. 2-3  7. 4/	Purge Rate ( Temp. *c 28.09 2 7.02	\$0inity \$0 0.04	108 g/L 0.560	mv 1.1
nple Time	1044 1046 1046 1048	Vol. Purged gates / liters  3. O  6. O  4. O	7.72 7.71	Conductivity uE/om  0.877  0.870	Turbidity NTU O. 2	Diss, Oxygen mer. 7.23	Purge Rate ( Temp. °C 28.09 2 7.02	\$0inity \$0 0.04	108 g/L 0.560	mv 1.1
nple Time	1044 1046 1048	3.0 6.0 8.0	7.72 7.71	0.877 0.870	0.2 0.9	7,23 7,41	Temp. *c 28.09 2 7.02	\$alinity % O. 04 O. 04	108 g/L 0.560	mv 1.1
nple Time	1040 1048	3.0 6.0 \$.0	7.71	0.877	0.9	7.23 7.41	28.09 27.02	0.04	0.560	1.1
nple Time	1040 1048	6.0	7.71	0.870	0.9	7.41	27.02	0.04		
nple Time	1050	\$.0						7	0.557	11 /
nple Time	1050		7.71	7.865	1	7.65	26.26	1 mm		116
Remarks		\$ample Lo			***************************************			0.04	0.555	114
Remarks		Sample La			***************************************	! I				
Remarks		Sample La								
Remarks		\$ample Lo						<u> </u>		
Remarks		\$ample Lo			<u></u>		**************************************			
Remarks		sampre Lo				±		!	1 1	
	14				elipori dor	nettic spect bailer	Other			
/el]/Samp			47700	<u></u>						
	de Numb	er Alle	-1-0	92706	Sicai	Time 1250				
Initial De				B65-40	) Duplica	ite Number			Dupl. Time	
		uint: WeitTOC:				ilhod: Dyd Fylho	Ornor		J	
		el(V) N			kga Valumo (g	_		മൂള്ളി)/(ന്ന്യാ	1 / 3	
Water	Thrue	Vol. Purged	μн	Conductivity	Turbidity	Disa. Oxygen	Temp.	Sollinity	106	FK) \ d.i
Level	1,1110	OCO IS / IN UIS	"''	aS/cm	NTU	mp/l	°Ľ	95	9/1	mv
	1252	2.0	8.09	0.510	4.0	8.66	25.30	0.02	0.327	123
	1254	6.0		0.504	6.3	8.49	24.46	0.02		129
	1256	9.0	8.02	0.491	5.8	7.65	24.75	0.02		124
				//////////////////////////////////////						
						· · · · · · · · · · · · · · · · · · ·				
npie lime_	1300	Sample to	cation:	Free Posts w	eli port don	mestic spisjol - baller	Qiner	<u></u>		
Remarks				•						
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	epih to Wo	· · · · · · · · · · · · · · · · · · ·	·····	BGS-31		te Number			Dupl. Time	
1		oint: weilioc	Steel Cosn	-	-	thock Declipen	Olher			
		elk (V) N	,		rge Volume (g		Purge Rote (	(mupm)/(mupm)	15	
Water Level	Time	Vol. Purged	ρH	Conductivity	Turbidity NTU	Dies, Oxygen	Temp.	Salinity	1D6	Eh/OR
		9 <b>2</b> 1900 / Hers 3. <i>O</i>	2 00			7.96	*C	% - ^ ^ 7	g/L	MY
	13/4		8.00	··· · · · · · · · · · · · · · · · · ·	32		26.22		0.325	125
	15/6	9.0 .		0.508	2.0	7.74	26.19	0.02		122
	13/8	-). <i>U</i> -	Z. Y.S.	0.506		7.07	26.02	1-0-	0.325	128
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(D) TOTAL	Depth to W	*		•	•	le Number		_	Dupi. Time	
		Point: Well toc Call: Y/(N)	\$1001 COSI		em egrur g) emuloV egri	thod: DealPump whats	Other	uses) (/est e.est)		
14/2004							Purge Rate (		TDS	65.4333
Water Level	Timo	Vol. Purged gailons / kiers	Hq	Conductivity  us/em	Turbidity NTU	Dics. Oxygen mg/l.	Temp. *c	Satinity %	g/L	EN/OH mw
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nple Time		. Somple Lo	ection:	pump tubing w	ell port don	nestic spigot boiler	Other			
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Veil/San	sole Num	ber 865	-24		Sicul	Time				
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., ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	Point: Westoc	Steel Cost	Ya	-	thod: Dod. Pump	Uther		, copilitie	
		Cell: Y / N	5,50,50		rge Volume (g			jpm)/(mLpm)		
Water	Time	Vol. Purged	μH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	IDS	Eb/OH
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npie lime		Sample Lo		punp libery w	os peri don	rwstic spigal   baker	Other			
npie lime Remcaks		Sample Lo		brand forms w	⊌≇ part dan	rwstrc spigot - baker	Other			
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Remaks Vell/San	nple Num	ber	cation;		Start		Other			
Remaks Vell/San	nple Num Depth to V		cation;		Start Duplica	Time		W. A		
Remaks Vell/San	n <b>ple Num</b> Depth to V Measure	ber Vater	cation;	ng .	Start Duplica	Time	Other	W. A	Dupt. Time	
Remaks Vell/San	n <b>ple Num</b> Depth to V Measure	ber Vater Point: Well (X)	cation;	ng .	Start <b>Duplica</b> Purge Me	Time	Other		Dupt. Time	
Remaks Vell/San Initial	n <b>ple Num</b> Depth to V Maasure How	ber Vater Point: Well IOC Cell: Y / N	cotion;	ng Min. Pi	Stari Duplica Purge Me Irge Volume (g	Time_ le Number thod: Ded tump ob/(1)	Other Purge Rate (	opm)/(mLpm)	Dupt. Time	Eli/OR
Remaks Vell/San Initial Water	n <b>ple Num</b> Depth to V Maasure How	Vater Point: Well (XX) Cell: Y / N Vol. Purged	cotion;	Min. Pi	Start  Duplica  Purge Mo  rge Volume (g	Time le Number thod: Bed Pumo ob/(1) Diss. Oxygen	Other Purge Rate (c	gpm)/(mLpm) Salinity	Dupt. Time	Ei/OR
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Remaks Vell/San Initial Water	n <b>ple Num</b> Depth to V Maasure How	Vater Point: Well ICC: Cell: Y / N Vol. Purged gallons / liters	cotion;	Min. Pi	Start  Duplica  Purge Mo  rge Volume (g	Time le Number thod: Bed Pumo ob/(1) Diss. Oxygen	Other Purge Rate (c	gpm)/(mLpm) Salinity	Dupt. Time	El-/OR
Remaks Vell/San Initial Water	n <b>ple Num</b> Depth to V Maasure How	Vater Point: Well ICC: Cell: Y / N Vol. Purged gallons / liters	cotion;	Min. Pi	Start  Duplica  Purge Mo  rge Volume (g	Time le Number thod: Bed Pumo ob/(1) Diss. Oxygen	Other Purge Rate (c	gpm)/(mLpm) Salinity	Dupt. Time	El-/OR
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ekt Con	dillons	S 10 71	-, gov			Poge	1 or 3					
/eli/\$ar	nple Numi	per Melen	do = -1	-002806	Star	† Time 09 19						
	Depth to W			B65-43		ate Number	<u> </u>		Dupt Time			
***********		Paint: Well TOC	Store Cosm	. —	-	ethodi: pod Pumo	Other		1 200 10.10			
		Coll(P) N			rge Volume (g		Purge Rate (	ത്രി (ന്നിന്ന	1.5			
Water	Time	Vol. Purged	На	Conductivity	Turbidity	Disa. Oxygen	Temp.	Satinity	TDS	LN/OH		
Level	"""	geros / liters		uS/om	UTU	mg/l.	°c	-16pp+		mv.		
	0921	3.0	7.77	506	6	6.19	21.43	0.24		142		
	0923	0.0	7.94		4	6.08	22.00		0.327	147		
	0925	90	7.95		5	6.24	21.91	0.24	0.327	147		
							-	<i>D</i> v = 7				
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nk T	·	Cample ! -				metal poi boiler	0.15					
	0925	Sample Lo	DOHOD!	pump lubing — we	ярол фол	metac.spigot boiler	Other					
Remarks	·	<u></u>										
ieli/Sar	nole Numt	ber 6rce	001.0	02806	Stror	Time 0934						
	Depth to W		<u>, ( _ Q</u> ,			ite Number	<u> </u>		Dupl. Time			
i arçı			Shari Control	B65-4		'			Lucipi, eme	***************************************		
		Point: WestOC	Slool Cosh			althout: (6d. Barko				<del>.</del>		
	·	Cell(D) N	<b>*</b>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	irge Volume 🔇			Purge Rate (@DD)/(mLpm) /-S=				
Water	Timo	Vol. Purged	μH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Solinity	TDS	EN/OR		
Level	ļ ļ	gorges / Illens		usiem	ИTU	mg/l.	*C	# post		WA.		
	0936	3	7,93		5_	5.54		0.26		124		
	0438	6	8.02		4	6.02	24.08	0.26	· · · · · · · · · · · · · · · · · · ·	135		
	09410	9	7.44	544	4	6-17	23.87	0.26	0.353	152		
······································												
			i 1									
ple lime	09410	) Sample to	cation:	partip habitig — we	où pod Ke	medical buser	<b>Other</b>					
	0940	) Sample Lo	cation:	baub japad we	и род сог	magnetic busin	Other					
Remarks								- #				
Remarks						t Time 0955						
Remarks /ell/Sar		ber Roger		92806	Stan				Dupt, Time			
Remarks /ell/Sar	<b>nple Numl</b> Depth to W	ber Roger	5-1-0	92306 BGS-4	Start 5 <b>Duplic</b> a	t Time_ <i>0955</i>			Dupt, Time			
Remarks /ell/Sar	nple Numl Depth to W Measure F	ber Roger dater Point: Well (OX)	5-1-0	92806 BGS-4	Start  5 Duplica  Purge Ma	t Time 0955 ale Number athod: Une Tom	Other	<b>©®</b> /(mLom)				
Remarks <b>/ell/Sar</b> Initial	nple Numl Depth to W Measure P How t	ber Rager: later Point: Well IOX: Cell N	Steel Coon	92306 1865-4	Stari <b>5 Duplica</b> Pürge Ma irge Volume (g	t Time 0955 ale Number othod: Decidion onl/(1)	OtherPurge Rate (a		<u> </u>			
Remarks /ell/Sar	nple Numl Depth to W Measure F	ber Roger dater Point: Well (OX)	5-1-0	92806 BGS-4	Start  5 Duplica  Purge Ma	t Time 0955 ale Number athod: Une Tom	Other	(mlpm) Salinity	7.5T	Eli/OA		
Remarks /ell/Sar Initial	nple Numl Depth to W Measure P How t	ber Rogers fater Point: Well IOX: Ceil N Vol. Purged gaths / Hers	Steel Cosn	865-A  Min. Pu  Conductivity  usion	Stan Duplica Purge Ma rge Volume (g Turbidity NTU	of Time 0955  Ide Number  Othod: Une Time  Othod: Oxygen  mgr.	Other Purge Rate (g	Salinity Myret	/. 5 TDS g/L	Eli/OA		
Remarks /ell/Sar Initial	mple Numl Depth to W Measure F How to	ber Rogers dater Point: Well IOX: Cell N  Vol. Furged addins / Itlers  3.0	5 1 - 00 Steel Coon PH 7.63	Q 2806 BGS-A G Min. Pu Conductivity usion 971	Stand 5 Duplica Purge Ma Purge Ma Purble (g Turble ty NTU	t Time O955 ple Number pthod: Deffino pri)(i) Diss, Oxygen my/t 5.71	Other Purge Rate (a	Salinity Myset 0.48	7.5 IDS g/L 0.631	EL/OA my		
Remarks /ell/Sar Initial	mple Numl Depth to W Measure F Flow t Time 0957	ber Roger: later Point: Well IDX: Cell D N  Vol. Purged addins / Hiers  7.0 6.0	5-1-00 Steel Coon PH 7-6-3 7-65	Q 2306 BGS-4 Min. Pu Conductivity uston 971 985	Start  5 Duplica Purge Mo rge Volume (g Turbidity NTU  4 3	t Time 0955 the Number official Description official Description official Description of the Description of	Other Purge Rate (g Temp.  *C 24, 33 22.62	Salinity 14/24 0.48 0.49	1.5 IDS g/L O.631 O.640	Ei:/OA mv // <u>&amp;</u> ///		
Remarks /ell/Sar Initial	mple Numl Depth to W Measure F How to	ber Rogers dater Point: Well IOX: Cell N  Vol. Furged addins / Itlers  3.0	5 1 - 00 Steel Coon PH 7.63	Q 2806 BGS-A G Min. Pu Conductivity usion 971	Stand 5 Duplica Purge Ma Purge Ma Purble (g Turble ty NTU	t Time O955 ple Number pthod: Deffino pri)(i) Diss, Oxygen my/t 5.71	Other Purge Rate (a	Salinity Myset 0.48	7.5 IDS g/L 0.631	EL/OA my		
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Remarks /ell/Sar Initial	mple Numl Depth to W Measure F Flow t Time 0957	ber Roger: later Point: Well IDX: Cell D N  Vol. Purged addins / Hiers  7.0 6.0	5-1-00 Steel Coon PH 7-6-3 7-65	Q 2306 BGS-4 Min. Pu Conductivity uston 971 985	Start  5 Duplica Purge Mo rge Volume (g Turbidity NTU  4 3	t Time 0955 the Number official Description official Description official Description of the Description of	Other Purge Rate (g Temp.  *C 24, 33 22.62	Salinity 14/24 0.48 0.49	1.5 IDS g/L O.631 O.640	Ei:/OA mv // <u>&amp;</u> ///		
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Remarks /ell/Sar Initial	mple Numl Depth to W Measure F Flow t Time 0957	ber Roger: later Point: Well IDX: Cell D N  Vol. Purged addins / Hiers  7.0 6.0	5-1-00 Steel Coon PH 7-6-3 7-65	Q 2306 BGS-4 Min. Pu Conductivity uston 971 985	Start  5 Duplica Purge Mo rge Volume (g Turbidity NTU  4 3	t Time 0955 the Number official Description official Description official Description of the Description of	Other Purge Rate (g Temp.  *C 24, 33 22.62	Salinity 14/24 0.48 0.49	1.5 IDS g/L O.631 O.640	Ei:/OA mv // <u>&amp;</u> ///		
Remarks /ell/Sar Initial	mple Numl Depth to W Measure F Flow t Time 0957	ber Roger: later Point: Well IDX: Cell D N  Vol. Purged addins / Hiers  7.0 6.0	5-1-00 Steel Coon PH 7-6-3 7-65	Q 2306 BGS-4 Min. Pu Conductivity uston 971 985	Start  5 Duplica Purge Mo rge Volume (g Turbidity NTU  4 3	t Time 0955 the Number official Description official Description official Description of the Description of	Other Purge Rate (g Temp.  *C 24, 33 22.62	Salinity 14/24 0.48 0.49	1.5 IDS g/L O.631 O.640	Ei:/OA mv // <u>&amp;</u> ///		

		! E Hinkly	600	undunten	Sc	impling Event		ackgrow	nd Stan	
	nwpet					Date	a-28-	<u> </u>		
Field Con		Tustak.				Meter Serial No.	2 of 3			
		5000. 5					<u> </u>	-		
Well/San	nple Numi	ber Richo,	ds:1_	097806		Time 1024				
		/ater102		B65-4	9 Duplica	te Number	mwaz.	.097806	Dupi. Time	1010
	Measure 8	Point: Well too	Stock Coor	iQ	Purge Me	thod: e60 Reno	Other			
	Flow	Çell: <b>∕∕∕</b> / N		Min. Pu	ırge Volume (g	ab/(t)	Purge Rote (	gpp)/(mLpm)	1.5	
Water	Timo	Vol. Purged	рH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh/OHP
Level		gelicola / liters		uWan	NTU	mg/l	°Ç	9500+	g/L	nīv
	1026	3.0	8.35	786	4	5.01	26.41	0.38	0.511	86
	1028	6.0	8-10	778	5	5.11	25.82	0.38	0.506	69
	1030	9.0	8,41	778	ч	5.16	25.66	0.38	0,506	.550
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ample Time	1030	Sample Lo	cation;	pump tubing w	eli pori don	resticables bates	Other			
Remarks						_				
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		ber Velazq	e2-1-	00.2806		Time)+(			٦	
Initial	Depth to W			B65-48	Duptica	te Number			Dupl. Time	**************************************
		Point: Well 1980	Stept Cost	Q	Purge Me	ihod: Cod. Pump	Other			
	Flow	Celt@// N		Min. Pu	irge Volume (g	ab/(t)	Furge Rate (	(mtbw)/(wfbw)	1.5	
Water	Time	Vol. Purged	Ηц	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TOS	Eh/ORP
Level		(Cilons / Mens		uS/cm	NTU	mg/I	•℃:	<b>%</b>	0/\	<b>M</b> V
	1113		<u> 9.33</u>		5	1.09	30.78	0.23	0-311	-26
	1115	6.0	8.90	466	4	1.22	28.50	0.22	0.303	-2 <b>ç</b>
	177	9.0	8.82	467	4	1.31	27.81	0.22	0.503	- 32_
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emili elqmo	1/20	Somple Lo	cation:	completed m	et post dos	nestic spigol - batter	Olner			
Remarks										
Wall/San	onle Num	bor M #		- 4 00	Č.	Time				
		ber Mullus	-1- 04	Nilli3-1		Time			1	
initial	Depth to W			•	•	le Number	<u> </u>		Dupi. Time	<del> </del>
		Point: Well (CC)	Steel Coar	-		Mod: Ded Pump				
	How	Cell: Y /(N)			irge Volume (g		Purge Rote (	gem)/(mLpm)	)	
Water	Time	Vol. Purged	рH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	105	Eh/ORP
Levei		gations / liters		uS/cm	NTU	ı⊧ıÿL	°C	%	8/L	MV
		- gate	locked	<u></u>		<u></u>				
		F	ples to	ht						
		naa	1185			<u> </u>				
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omple Time		Şumple Lo	çqliça:	pump lubing w	ell port don	nostic solgat baller	Other			
Romarks				-	•					
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	umber			Surping		Sampling Event <u>Barkground Stude</u> Date 9-28-06						
		ustak. w.	<u> </u>		***************************************	Motor Serial No.		<i>o</i>	·····			
Field Con	dilions	Jan / 90	c				3 or 3		·			
	_			- m27/	Pkan	11me #33						
		per <u>Vucequ</u>	orido"					<del></del>	7			
Initial	Depth to W			B65-4	160	ite Number	<u> </u>		Dupl. Time			
		Point: Well TOC	Stool Cost			alhod: voo saab						
	Flow	Cell (XX) N		Min. Pu	irge Volume (d		Purge Rate (		1.5	***************************************		
Water	Time	Val. Purged	pH	Conductivity	Turbidity NTU	Diss. Oxygen	Temp.	Schinity	TDS	CN/ORP		
Level	l	galijans / liters	7.44			<u> </u>	°C	%	g/L	n)v		
	1135	3.0	7.93	399	4/	4.71	24.46	0.19	0,261	-23		
	1137	9,0	7 86	394	3	1.83	23.58	0.19	Ø.252	-26		
	1135	9,0	7.43	397		192	22.30	417	0.259	_28		
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	ļ	<u>                                     </u>				······	·	<u> </u>		<u> </u>		
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47 ********************************		<u></u>	<u> </u>					<u> </u>	<u> </u>	<u> </u>		
mple Time	1140	. Sampte Lo	cation:	pump hibing wi	ell port do	position poler	Other					
Remarks	4											
Wall/San	onie Num	ber Madi		00000	Ctron	Tioner 11 1 2						
		1	ca -1			Time 1155	·		٦			
IDITIO		/ater		B65-4		ite Number	L		Dupl. Time			
		Point: Wall TOC	Stoci Cast		_	othod: Dealers						
<b>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</b>	Flow	Celi N	<b>.</b>	,	rgo Volumo (c	(40)/(L)	Purge Rate (	(mLpm	1.5			
Water	Time	Vol. Purgodi	μH	Conductivity	Turbidity NTU	Diss. Oxygen	Temp.	Solinity	TOS	EN/OFF		
Level		godôns/files	0.0/2			mg/l.	*C	95	9/1	יות כ		
	رسم سيرون		8.39	561	4	2.99	25.11	0.27	0.365	3		
	1157	3					1	0.00				
	1159	G	8.52	564	3	4.00	24-13	0.27	0.366	-/		
*********				564 367	<u>3</u> 3	4.00	1	0.27	0.366 0.369			
- A	1159	G	8.52				24-13	<u> </u>				
	1159	G	8.52				24-13	<u> </u>				
	1159	G	8.52				24-13	<u> </u>				
	1159	G	8.52				24-13	<u> </u>				
A	1159	G	8.52				24-13	<u> </u>				
mple lime	1201	6 9	8.52		3		25.02	<u> </u>				
mple lime	1201	6 9	8.52	967	3	4.02	25.02	<u> </u>				
Remarks	1201	G q Sample to	8.52	967	3 et port da	4.0 Z	25.02	<u> </u>				
Remarks	1201	G q Sample to	8.52	967	₹ export do \$tax	4-02. The time	25.02	<u> </u>				
Remarks Well/Sar	1201	Sample Lo	8.52	967	₹ export do \$tax	4.0 Z	25.02	<u> </u>		-/6		
Remarks Well/Sar	1201 1201 1201 1201	Sample Lo	8.52 8.46 cation:	SC 7	3 et port do Star Duplico	4-02. The time	24-13 25.02	<u> </u>	0.364	-/6		
Remarks Well/Sar	1201 1201 1201 nple Num Depth to W	Sample to	8.52 8.46 cation:	Sic 2	3 et port do Star Duplico	### Spigot bases  ### Bline ### Ded Pumper	24-13 25.02	0.27	O. 369	-/6		
Remarks Well/Sar	1201 1201 1201 nple Num Depth to W	Sample La  Sample La  Vater  Point: Well ICX:	8.52 8.46 cation:	Sic 2	3 et port do Star Duplica Purga Ma	### Spigot bases  ### Bline ### Ded Pumper	2012 25.02	0.27	O. 369	-/6		
Remarks Well/Sar initial	1201 1201  1201  nple Num Depth to W Measure How	Somple Lo  ber  Vater  Point: Well ICX: Cell: Y / N	Steel Casi	purp lobring we	\$tar Duplico Purge Me urge Volume (c	t Time	Other Purge Rate (c	O.2.7	Dupl. Time	-/6		
Remarks Well/Sar initial Water	1201 1201 1201  nple Num Depth to W Measure How	Somple Lo  Somple Lo  Voter  Point: Well ICX: Cell: Y / N  Vol. Purged	Steel Casi	purp lobring we Min. Pt. Conductivity	\$ star Star Pupilica Purga Ma urga Valuma (a	t Time	Other  Other  Purge Rate (c	aprn)/(mtpm	Dupl. Time	-/G		
Remarks Well/Sar initial Water	1201 1201 1201  nple Num Depth to W Measure How	Somple Lo  Somple Lo  Voter  Point: Well ICX: Cell: Y / N  Vol. Purged	Steel Casi	purp lobring we Min. Pt. Conductivity	\$ star Star Pupilica Purga Ma urga Valuma (a	t Time	Other  Other  Purge Rate (c	aprn)/(mtpm	Dupl. Time	-/G		
Remarks Well/Sar initial Water	1201 1201 1201  nple Num Depth to W Measure How	Somple Lo  Somple Lo  Voter  Point: Well ICX: Cell: Y / N  Vol. Purged	Steel Casi	purp lobring we Min. Pt. Conductivity	\$ star Star Pupilica Purga Ma urga Valuma (a	t Time	Other  Other  Purge Rate (c	aprn)/(mtpm	Dupl. Time	-/G		
Remarks Well/Sar initial Water	1201 1201 1201  nple Num Depth to W Measure How	Somple Lo  Somple Lo  Voter  Point: Well ICX: Cell: Y / N  Vol. Purged gallons / Illers	Steel Casi	purp lobring we Min. Pt. Conductivity	\$ star Star Pupilica Purga Ma urga Valuma (a	t Time	Other  Other  Purge Rate (c	aprn)/(mtpm	Dupl. Time	-/G		
Remarks Well/Sar initial Water	1201 1201 1201  nple Num Depth to W Measure How	Somple Lo  Somple Lo  Voter  Point: Well ICX: Cell: Y / N  Vol. Purged gallons / Illers	Steel Casi	purp lobring we Min. Pt. Conductivity	\$ star Star Pupilica Purga Ma urga Valuma (a	t Time	Other  Other  Purge Rate (c	aprn)/(mtpm	Dupl. Time	- / Cs		
Remarks Well/Sar initial Water	1201 1201 1201  nple Num Depth to W Measure How	Somple Lo  Somple Lo  Voter  Point: Well ICX: Cell: Y / N  Vol. Purged gallons / Illers	Steel Casi	purp lobring we Min. Pt. Conductivity	\$ star Star Pupilica Purga Ma urga Valuma (a	t Time	Other  Other  Purge Rate (c	aprn)/(mtpm	Dupl. Time	- / Cs		
Remarks Well/Sar initial Water	1201 1201 1201  nple Num Depth to W Measure How	Somple Lo  Somple Lo  Voter  Point: Well ICX: Cell: Y / N  Vol. Purged gallons / Illers	Steel Casi	purp lobring we Min. Pt. Conductivity	\$ star Star Pupilica Purga Ma urga Valuma (a	t Time	Other  Other  Purge Rate (c	aprn)/(mtpm	Dupl. Time	-/G		
Remarks Well/Sar initial Water	1201 1201 1201  nple Num Depth to W Measure How	Somple Lo  Somple Lo  Voter  Point: Well ICX: Cell: Y / N  Vol. Purged gallons / Illers	Steel Casi	purp lobring we Min. Pt. Conductivity	\$ star Star Pupilica Purga Ma urga Valuma (a	t Time	Other  Other  Purge Rate (c	aprn)/(mtpm	Dupl. Time	-/G		



Project N	iame		•		Sampling Event $4Q - \partial G$							
Job No		797750	(نيان)(	10.8		Date	10/23/0		- · · · · · · · · · · · · · · · · · · ·			
•		781: DM					<b>€</b> 05	<u>K1408</u>	AC			
Field Cond	ditions		·	<del> </del>	·	Page	<u>/                                    </u>					
Well/San	nple Numi	per BGS O	1-10	2306	Start	Time 9:57	•					
		ater 95.4				le Number			Dupl. Time			
,,,,,,		Point: Well TOC		o		thód: Ded. Pump	Other		•			
		Cell: Y / N	5.00.004	•	rge Volume (ga		Purge Rate (g	ipm)/(mLpm)				
	·····	<u> </u>			<u> </u>		Temp.	Salinity	TDS	Eh/ORP		
Water Level	Time	Vol. Purged gallons / liters	Hq	Conductivity us/cm	Turbidity NTU	Diss. Oxygen	remp. °C	30ammy	g/L	mv		
95.59	0.49	49	7.79	16.62		4.32	20.78	. 84	1.080	169.3		
		801	7.96	16.60		Q. 32	20.86	0.84	1.079	138.6		
95.39	10.03	129	7.94	16.59		5.00	20.27	0.84	1.078	1073		
90 UD		168	793	16.95		4.96	21.09	086	1202	(08)		
97.40	10.05	20 g	7.91	16.69		4.88	2/03	84	1,084	572		
	10.09	24 8	7.91	16.61		480	21.03	-84	1.079	48.5		
		28 8	790	16.58		-48	21.00	.84	1078	43.5		
95 53	11.11	<del>=                                    </del>	1 10	100.00	<u> </u>	7 5	21.40		,,			
Sample Time	10,12	Sample Lo	cation:	pump tubing we	ell port don	nestic spigot baller	Other					
Remarks	Remarks											
Wall/Sar	nnia Num	ber BGS	14 I	723d.	Stort	Time 10:30	0		***			
			_	·	ı				Dupl, Time			
Initial		Vater <u>95</u>		•	•	te Number	<u> </u>		Dupi, Ime			
		Point: Well TOC	Steel Costr	_		thod: Ded. Pump	-		<del></del>	··		
	Flow	Cell: Y / N		Min.: Pu	ırge Volume (g	ol)/(L)	Purge Rate (	jpm)/(mLpm)		<u></u>		
Water Level	Time	Vol. Purged gallons / liters	pН	Conductivity uS/cm	Turbidity NTU	Diss. Oxygen mg/L	Temp. °C	Scalinity !	TD\$ g/L	Eh/ORP mv		
	10:38		8:01	8.82		5.33	24.40	.43	-573	40.7		
95 23	10:40	8 9	8 05	886		(o.	22.49	44	-576	0.00		
95.78	- 110	12 2	8.08	886		5.76	22.71	.44	-576	19.1		
90 19	10:44	166	8.08	886		569	22 74	44	.576	13.2		
95.34	<del></del>	<del>{                                   </del>	807	8.86		5.65	22.81	144	576	8.7		
<del>  71.J.J.</del>	1702.19	1 2 3	1007	<u> </u>	,			· · · ·		<del></del> =. 1		
	<del>                                     </del>		<del> </del>	-								
<del> </del>	<del> </del>	<del> </del>	-			· · ·						
L <del></del>	10.48		<u> </u>									
Sample Time	10.70	_ Sample Lo	ection: .	pump tubing w	refiport dos	mestic spigot Dalie	r Other					
Remark	\$ <b>_</b>						<u> </u>			<del></del>		
Welt/Sa	mple Num	nber BGS	12		Star	t Time // 07						
	-	Vater <i>(</i> ⊿?				ite Number			Dupl. Time			
l mind	·	Point: Well TOC		-		ethod: Ded Pump	) Other		)			
			oreal Cos	-	raige ivie 2) urge Volume			pm)/(mLpm)				
		Cell: Y / N	<del></del>			<del>,</del>	<del> </del>			Ch 1000		
Water Level	Time	Vol. Purgedigations / liters	PH	Conductivity	Turbidity NTU	Diss. Oxygen	Temp. °C	Satinity %	TD\$	Eh / ORP		
	10:00		7110	1134		8.10	15.97	<u>~</u>	<b>7</b> 37	419		
(23.20	107	49	7.43	1129	<del> </del>	8.30	16.00	-56	·733	42.5		
6344	111.15	12 ~		<del>                                     </del>		8.53	11001	-56	-732 -732	42.7		
(0.322	# 12	172 9	7.43	1120		8.72	16.02	-56	-731	443		
6323		100	743	11 63	<del> </del>	8.95		-56	730	44.8		
1 65.4°	<u> </u>	<u>20 8</u>	7.42	11.22		10:13	16.04	1.50	1.700	71:0		
	<del>                                     </del>	+	┼	<u> </u>		<del> </del>	<del> </del>	<del> </del>	<del> </del>			
<del> </del>	<del> </del>		1	<del> </del>	<b></b>	<del> </del>	<del> </del>	<u> </u>				
L	1	<u> </u>	<u> </u>	<u></u>	<u> </u>	1	<u> </u>	<u> </u>	I			
Sample Time	e <u> 11 19</u>	Sample Lo	ocation:	pump tubing w	veli port do	mestic spigot – balle	r Other	<del></del>	<u> </u>			
Remark	is.											

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Project I					s	ampling Event			<u>.                                    </u>	
	Team '	1775.0	(. [.]	10.0		Date Meter Serial No. Page	ÖZK14	08 /	AC	
Woll/San	onle Numi	per BGS	.   [	02306	840	11 Time ₹ 123				
			<u>`   -) ~  </u>	0 2306		ate Number	<del></del>		Dupl. Time	
ınınçı	Depth to W	oint: WellTOC	Steel Costs	•	•	ethod: Ded Pump	L	0,401		
		Celt. Y)/ N	0.00.00	•		gal)/(L)	· · · · · ·		2	~-
Water Level	Time	Vol. Purged gallons / liters	pH + .l	Conductivity us/cm	Turbidity	Diss. Oxygen	Temp.	Sqlinity 96	TCS g/L	Eh/ ORP
n/A	12:37	4	7.96	1451	<del>\</del>	5.21	21.24			
n/A	12:39	8	7.95	1452		5.102	21.21			
nIA	12:41	12	7,99	1452		5.02	21.24			!
nA	1243	16	8,00	145)		4.95	21.28			
nIA	1245	20	8,00	1452		14.89	21,37			
						<u> </u>				
									\ \ \	<u> </u>
		: 			1	<u>'</u>		\	·. · !	<u> </u>
Sample Time	1250	Sample Lo	cation:	pump tubing w	ell port d	omestic spigot balle	r Other			
Remarks		•					•			
	<del></del>	Q ( C	(, )0	2106		· 125	02			
		ber <u>  365-  </u>		1506		int Time 125	<u> </u>		1 _	
Initial		/ater <u>9</u> 7.0		ı	_	ate Number		a hara	Dupt. Time	
		Point: Well TOC	Steel Costr			ethod: Ded. Pum;	<del></del>		<7	
	Flow	Cell: Y/N		Min. Pu	irge Volume (	(gai)/(L)	<u> </u>	pm)/(mtpm)		
Water Level	Time	Vol. Purged gallons / liters	pH <u>†</u> . <b>1</b>	Conductivity ±3// us/cm	Turbidity NTU	±10 ( mg/L	Temp. °C	Salinity %	TOS 9/J.	Eh / ORP mv
97.02	1258	4	7.69	1598		2.15	21.65	1		
92.02		8	7.68	1593		13,92	21.66			<del></del>
97.01	1302	1 2	7.68	1598		3.73	21.7+	<u> </u>		<del>                                     </del>
91.49	1304	100	7.69		\	3.68	21,92	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>
92.00	1306	20	7.68	1599		3.63	21.97	<del>                                     </del>	<del> }</del> -	1
								<del>                                     </del>	ļ	
<u> </u>	<u> </u>				<u></u>		<u> </u>	<u> </u>		
	<u></u>	<u> </u>			<u> </u>	<u>.</u>			L	<u> </u>
Sample Time	<u> 1310</u>	Sample La	cation: .	pump tubing w	ellport <sup>V</sup> d	omestic splgot balle	or Other		· <b></b>	
Remark	s							·		
Well/Sa	mole Mum	ber BGS.	14 1	02306	Q+c	ut Time <u>132</u>	3			
				0000			<del>-</del>		Dupl. Time	
IDITIQ	-	Vater <u>102.E</u> Point: _well ICC				<b>ate Number</b> lethod: Dea Pum	p Other ≶ì	n.1/201		
		(m)	21991 COSE	-	•	(gal)/(L).			7	
		Celf: Y/ N	1					gpm)/(ml.pm) Solinity	TDS	Eh/ORP
Water Level	Time	Vol. Purged gallons / liters	PH	Conductivity uS/cm	Turbidity NTU	Diss. Oxygen	Temp. °C	,%	g/L	En / Ohr
102,0	1320	Co	7.92	764	<u> </u>	2.8	28,54		7	ī
102.9		12	7.85	743	<del>                                     </del>	1.23	22.46			
102.9	<del>-</del>	19	7.85	752	<del>                                     </del>	0.86	22,72			
102.86	<del>                                     </del>	24	7,85	750	<del>                                     </del>	0,00	21.76			
W2 83	<del></del>	30	7.84			0.62	21.58			
1	1	<u> </u>	,,,,	<del></del>	<u> </u>					
	1					<del>-  </del>			l t	1
			,		<u> </u>		1	1		
Sample Time	1240	Sample La		pump tubing w	eli port d	omestic spigot balle	er Other			
		- SAMPLE		posterior w	unport U					
Remark	s									

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Project N	Name/	P672	HM	<u>k leg</u>	Sampling Event 4906							
		349.775.	<u>۱۲۲۲) (</u>	7.01			10-23					
Field Field Con	d Team nditions				'		<u> </u>	& AC	· · · · · · · · · · · · · · · · · · ·			
	<del> </del>			~~~	<del></del>	<del></del>	<u>. 3</u> ° <u>3</u>	<del></del>	<del></del>			
		<b>Note:</b> B65.0		2306	•	rt Time <u>1350</u>		10-230/	) <u>.</u>	1400		
N HHCII		Vater 50 . ( Point: Well Isc	<del></del>	, na		ate Number ethod: Ded. Pump	MW-90	10 67061	Dupl. Time	11		
i		Cell: Y N	unes al.	·		901)/(L)		nm)/mLpm)	2:			
Water	Time	Vol. Purged	На	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TD\$	Eh / ORP		
Level		gallons / liters	P	uS/cm	NTU	mg/L	remp. °C	Solinity %	g/L	mv En / ORP		
56.10	1353	6	7.62	787		6.25	17,67	/				
56.24	1356	172	7.58	785		610	17.18					
56.11	1358	16	7.45	799		6.33	16.25					
60,20		20	7.55	787		6.26	16.27					
60.26	1206	32	7,60	789		6.08	16.31					
	<u> </u>		<u> </u>									
<u> </u>												
Sample Time	1410	Sample Lo	eation:	pump tubing we	reli port dor	mestic spigot bailer	r Other					
Remarks												
Well/Sar	mple Num	nber 365-7	25-1	02306	Star	t Time 144 3	3					
	•	Nater 66		<u> </u>		ate Number	<u></u>		Dupl, Time			
		Point: Well TOC			-	ethod: Ded. Pump	Other		Pupa a			
		Cell(Y) N	NEG	_	raige Me urge Volume (g		Purge Rate (G	2-milminm)	2			
Mator			T _1		,		<del></del>			1		
Water Level	Time	Vol. Purged gallons / liters	Hq	Conductivity us/cm	Turbidity NTU	Diss. Oxygen mg/L	Temp. °C	Satinity 8	TOS g/L	Eh / ORP		
6676	4 1445	4	7.42	21.93	. /	4.08	22.43		î			
612.45	1447	3	7,35	21 88		3,49	22.93					
67.10	449	12	7.29	2189		3.36	23.12					
66.35	1451	ر) ا	7.27	2188		3.31	23,00			<u> </u>		
66.60	1453	20	7,25	2187		3,2 \$	23.18			<del>                                     </del>		
			·									
									<u> </u>			
	1				· · · · · · · · · · · · · · · · · · ·							
Sample Time	1441	Sample Lo	scation:	pump tubing we	alt most	mestic spigot) batter	r Other			<u> </u>		
Remarks				Manual de series R	),, pu.	163113 45 65	<u> </u>					
							<del></del>					
Well/San	mple Numi	ber			) Start	t Time	<u> </u>					
Initia	i Depth to W	vater		_	Duplica	ate Number			Dupl. Time	i		
i		Point: Well TOC	Steel Cosin	19	Purge Me	ethod: Ded, Pump	-					
ı	Flow	Cell: Y / N		Min. Pu	urge Volume (ga	joi)/(L) <sub></sub>	Purge Rate (g <sub>l</sub>	ibw)/(mrbw)				
Water	Time	Vol. Purged	рH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh / ORP		
Level	<u> </u>	galions / liters	<u> </u>	บริ/cm	NTU	mg/L	°C	%	g/L	rnv		
					·							
, [			· !		!							
		'	[!									
					]							
										· · · ·		
			<u></u>									
Sample Time		Sample Loc	-∽ation:	pump tubing we	elin∧ri dor	mestic spigot baller	Other	<del></del>	<del></del>	<u> </u>		
Remarks			,	periprically	WWW EL	manus apigar	<u></u>					
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s												

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Project N	lame PG	E Hiakl	eiz		So	mpling Event					
Job Ni	ımber <u>3</u>	49775.	يا 8	15.01			10-24-0		<u> </u>		
	Team	5-1 BT	(1	<u>/^                                     </u>			OZKIH	OX H	<u></u>		
field Con-	ditions				<del></del>	Poge	<u>I</u> of <u>3</u>	<del></del>			
Well/San	ple Numb	oer MW-3	6-10	2406	Start	Time <u>0724</u>	O 12 100 F		<b>)</b>		
		ater 90,85				te Number			Dùpl, Time		
		oint: Well Too	Steel Casin	g	Purge Me	thod: Sed. Pump	3 Other		_		
		Cell(Y / N			rae Volume (a		Purge Rate (g)	om)//mLpm)	-5		
11/212	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh / ORP	
Water Level	141110	gallons / liters	P''	uS/cm	NTU	mg/L	°C	%	g/L	mv	
90.00	0733		6.40	1010		4.97	20.79		\	[	
90.90		2	7.22	1016		5,21	20.78		1	· · ·	
	073-78	-3	7.22	1018		5.54	20.81				
	0741	5	7.25	1026		5.68	70.86				
95.91	0143	la	7.25	1027		5,80	20.85				
1000	0 17 7	9/	/	<u> </u>							
										]	
<u> </u>	177 A 6						Othor				
Sample Time	0 (4)	Sample Lo	cation:	pumo tubino w		mestic spi <b>got b</b> aller	Other				
Remarks					·	<u> </u>			<del></del>		
Well/Sar	npie Numi	ber Mw-	18 - 10	2406	\$tar	t Time 0819	15000	DUP =	nus		
		rater <u>94.3</u>			Dumlica	nte Number	150tope	102406	Duol, Time	0 80 C	
11 WILCH		Point: Welfoc			-	thod: (Ded Purple		<u> </u>			
		<u> </u>	2 21664 CC28		r dige ivid () irge Volume		Purge Rate	Part on l	5		
		Cell: Y)/ N								EL (000	
Water	Time	Vol. Purged gallons / Itters	ρH	Conductivity	Turbidity NTU	Diss, Oxygen mg/L	Temp. °C	Salinity %	TDS g/L	Eh/ORP	
Level	<b>a</b> ()() )	galore / mers	7.08	2222	1	4,44	19.46	~	3/2	7	
94.39		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				14.a2	19.67				
94.57	6874	2.5	7.03	2263	<del></del>	4.81	19.71			<del>- \</del> -	
	0821	4	7.01	2267		4.70	19.92		<del> }</del>	<del>                                     </del>	
	0930	5.5	_			4.59	20,21		-		
46,53	0933	<del> '</del>	7.01	2254		1 4:24	20,01	<u> </u>			
	-	<u> </u>					<u> </u>		<del>                                     </del>	/	
<u> </u>	ļ	· · ···			<del></del>				· · · · · · · · · · · · · · · · · · ·	·	
L	- ( 0 2 3				<u></u>	<u> </u>		<u> </u>	<u> </u>	L	
Sample Time	<u> </u>	Sample La	cation:	bump tubing w	eli port do	mestic spigot balle	r Other				
Remark	\$		_				<u> </u>				
244 (146)	h.	<b>-</b> [0.07	- O D	10240la	)	- Dan 4			•		
		ber <u>B</u> GS	7-7	102700		t Time <u>0904</u>	<del></del>		1		
Initia	Depth to V	Vater 64	21	-	-	ate Number			Dupl. Time		
	Measure (	Point: (Weil TOC	Steel Cast	-	_	ethod: Ded. Pump					
	flow	Cell: Y /(N)		Min. Po	urge Volume (	gal)/(L):	Purge Rate (	ibw)/jwrbw)	1		
Water	Time	Vol. Purged	рн	Conductivity	Turbidity	Diss. Oxygen	Temp.	\$alinity	TDS	Eh / ORP	
Level		gallons / liters		u\$/cm	NTU	sng/L	*C	_ % <u></u>	g/L	mv	
64.27	0907	3	7.88			4,49	19,03	<del> </del>		<b></b>	
64.23		(g	7.85	656		3,42	19.13	\		<del>                                     </del>	
<u> </u>	10913	9	7.90	619	<u> </u>	3.40	21.40	<u> </u>	ļ. ļ. <u> </u>		
64.28	10916	12	7,83	622		3.22	21.60				
CA 25	0919	15	7.89	621		308	21,87		<u> </u>		
]										<u>                                     </u>	
									ν" <u></u>		
	1		T .								
Sample Time	0975	Sample La	ontion:	pump tubing v	reli port	mestic spigot ) balle	< Offher				
		- admpie to	conon;	Pour long A							
Remark	\$			<u></u>							

Project Name P ( \$ £ Sampling Event 4004 Job Number Date io . Meter Serial No. OSKIJOS AC Field Team **Field Conditions** Page Well/Sample Number 1365-09 Start Time 0947 Initial Depth to Water **Duplicate Number** Measure Point: Well TOC Steel Cosing Purge Method: Ded Pump Flow Cell: Y / N Min. Purge Volume (gal)/(L) Water Time Vol. Purged Conductivity Turbidity Diss, Oxygen +37<sub>us/cm</sub> JФ Level gations / liters ŲTN ່ບິ∫ mg/L 6.04 7.14 0950 7-33 0953 73 7.**2**.3 612 0a5(0 27 0**9**59 .01 7.26 107 Sample Time 1010 Sample Location: pump tubing (well port) domestic spigot boller Remarks Start Time 1343 Well/Sample Number 3 (55-10-102406 Initial Depth to Water **Duplicate Number** Measure Point: Well TOC Steel Casing Purge Method: Ded. Pump Flow Celf: 9/1 N て Min: Purge Volume (gat)/(L) Purge Rate (gpm)/(mLpm) Water Vol. Purged Conductivity Turbidity Diss. Oxygen Temp. Salinity TDS Eh / ORP galions / liters Level uS/cm NTU mg/L °Ç å/L 842 23 10460 1344 7,64 21.85 104.1(1)1347 Q 44 .86 7.68 24.28 109.6013510 7.68 846 24.41 8 4o 69 01.55 1353 w 7.69 14.60 109.90 13562 841 25,06 3. (*o 0* Sample Time / 400 Sample Location: pump tubing well port domestic spigot baller Remarks Well/Sample Number 1865 - 27 - 1027406 Start Time 1 420 Initial Depth to Water 64 AO 1865-27-102406-Duplicate Number Measure Point: Well TOC Steel Casha Purge Method: Ded Pump Other Flow Cell: Y / N Min. Purge Volume (gal)/(L). Purge Rate (5pm) (mLpm) Water Time Conductivity Turbidity Vol. Purged Diss. Oxygen Temp. Salinity TDS Eb/ORP Level ooflons / litters បS/cm NTU mg/L °C mν g/L 64.40 1426 **9**,10 2574 5.02 21.55 1429 2434 .77 7.09 25 49 5.16 4.3q 7.10 12543 9.73 95 39 4.5 2543 9-83 22 54 Sample Time 1445 Sample Location: pump tubing well port domestic spigot baller Remarks

	77	- <del></del>	,	41			1000	a,		<del></del>
Project N Job Nu			1-12-21-F	<u> </u>		mpling Event_ Date	10.24.0	4		
	Team F	4 / 1	<u>M</u>	40.01		Meter Seriai No.	05K140	S AC		
Field Cond		<del>-</del> / •			<u> </u>	Page	3 0 3			
Well/San	nple Numb	per 1365	23- (	02406	Stan	Time 10 55				
	Depth to W			- "	Duplica	ite Number			Dupl, Time	
	Measure P	oint: Weil Too	Steel Casin	â	Purge Me	ethod: Ded. Pump	Other 5	isat		
	Flow (	Cell: Y / N)		Min. Pu	rge Volume (g	)al)/(L)	Purge Rate (gr	pm)/(ml.pm)	3	****
Water	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Satinity	TDS	Eh / ORP
Level	10.55	gallons / liters	-7-35	uS/cm	NTU	mg/L	°C	- 8	g/L	1111
10/10/19		9	/ /	769		4/13	20,80	-		<u> </u>
05.42		18	1.71	769		3.49	2(4)			
	1104	27	7.70	7/0		3.92	21.49			
	<del>                                     </del>			769		3,90	21.47			
106,90	1110	49	12.69	770		7,90	<del>- 21.4./</del>			
				·		<del> </del>				1
	<del> </del>					-			1	<del>                                     </del>
		<u> </u>	<u></u>	<u> </u>				·		<del>/</del>
Sample Time	1115	Sample Lo	cation:	pump lubing we	ell port do	mestic spigot / baller	Other			<u></u>
Remarks										
W-11/6	onlo Niveo	ber 1365-	10.	102406	Star	rt Time <u>124 Û</u>				
							<u> </u>		Dupl. Time	
Initial	Depth to W	ater <u>4</u>	<u> </u>		*	ate Number	L	50.45	! <u>a                                    </u>	
		Point: Well TOC	Steel Casin	•	-	ethod: Ded Pump		SPiss		
	Flow	Cell (P) N		Min: Pu	irge Volume (	gal)/(L)	Purge Rotte (g	<del></del>		
Water Level	Time	Vol. Purged gallons / liters	рН	Conductivity uS/cm	Turbidity NTU	Diss. Oxygen mg/L	Temp. ℃	\$atinity %	TDS g/L	Eh / ORP mv
MA	1242	. 4	7,50	2581		3.69	27.44			. }
*	1244	43	3.20	2584		3.62	21.96		<u> </u>	
	1247	12_	7,49	2600		3.85	21.91			
	1250	16	7.57	2261		4.30	21. 93		<u> </u>	
	1250	20	7.Ca	2197		14.46	21.96			<i> </i>
	1300	24	7,57	2311		14.62	21.79			
				<b>j</b>						[/
				1						·
Sample Time	1310	Sample La	ocation:	pump tubing (w	eli port) de	omestic spigot balle	r Other		V	
		00,		(						
Remarks		- <u>-</u>			<u></u>	224	<del></del>	· <del></del>	<del></del>	
Well/Sar	mple Num	ber BGS-	19-10	24d6	Sta	nt Time 133 <u>4</u>	<u></u>			177
	Depth to V	_				ate Number	MW-92-	102401	Dupl. Time	1330
,		Point: Well TOC	Steel Casi	ng	Purge M	lethod: Ded Pump				
		Cell: Y / N			urge Volume (		Purge Rate (£		3	
Water	Time	Vol. Purged	рH	Conductivity us/cm	Turbidity NTU	Diss. Oxygen	Temp.	Salinity %1	TDS g/L	Eh / ORP
Level	11225	gations/liters	7.37	27.34	1	3.32	25.77	~1	j 8/*	1
11/4	1335		<del></del>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del>   </del>	3.17	25,94	<del>                                     </del>	<del>                                     </del>	
<u> </u>	1339	12	7.34	12740	<del>  </del>	3.10	25.63		<del>                                     </del>	
<u> </u>	1341	21	7.34	2753	<del>                                     </del>	3.02		<del>                                     </del>	<del>                                     </del>	<del>                                     </del>
<del> </del>	1344	24	7.34		<del>                                     </del>	3,30	25.62	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>
<u> </u>	1347	33	7.A4	2759	<del>  - </del>	5,30	1-4120	<del> </del>	<del>                                     </del>	<del>  </del>
	<del> </del>	<u> </u>	<b></b>	<del> </del>	<del>                                     </del>	-	<del> </del>	<del>                                     </del>	-	<del>  / -                                   </del>
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<del>                                   </del>	<del>                                     </del>	<del> </del>	- :		1	1			1	h .
							<u> </u>	1	<u></u>	<u> </u>
Sample Time	• 13 55	Sample Lo	ocation:	pump tubing v	veliport g	emestic spigot balle	r Other			<u> </u>
Sample Time		Sample Lo	ocation:	pump tubling v	veli port g	ernestic spigot) balle	or Other	1		

	Name				Sc	ampling Event			<u> </u>	
		49775.0	<u> Lius</u>	01	<u> </u>		10/25/0			
	Team 🛂						OSKIN	08		
Fleid Cor	nditions 7	<u>5° Sun</u>	<u>مې                                     </u>		<del></del>	Poge	1 of 2	<u> </u>	<del></del>	
Well/Sar	mple Num	ber Tote	20-1		Start	t Time 13:45	<del>-</del>			
Initial	i Deoth to W	rater w	100 ID= (	06E-01		ite Number	Mu) 93		Dupt. Time	1400
		Point: Well TOC			•	ethod: Ded. Pump				
		Cell: Y / N	0,00,000	•	rge Volume (g			pm)/(mLpm)		
								, ,	TDS	Eh/QRP
Water Level	Time	Vol. Purged gations / liters	pH	Conductivity us/cm	Turbidity NTU	Diss. Oxygen	Temp. °C	Şalinity %	9/L	mv
20701	12.47	4601	7 40	502		7.57	18.34	~	9/-	-33.6
	12.70		7.70			7.86	18:29			- 21 0
<u> </u>	13.77	86a	7.34	502				<del>                                     </del>		-00
	13.31	12601	1,90	500		7.36	(8.3/			217
ļ	13:03	166a	2.40	499		7.10	18.31	<del></del>		7/.6
<u></u>	<i>13:55</i>	206e/	7.40	498		7.07	18.35			76,2
								<u> </u>		
		MS/	WS.	) 00	ne H	ere		ļ		
		·				·		<u> </u>		<u>l</u>
Sample Time	<i>₃_/3:5</i> ′	7 Sample La	eation:	pump tubing w	eli port do	mestic spigot baile	r Other			
		, oom, pio 20	32110111	pa, p	J. P			· · · · · · · · · · · · · · · · · · ·		
Remark	.S									
Well/Sa	mple Num	ber 04/		7	Star	t Time 14:16				
	I Depth to V			<del></del>		ate Number	<u> </u>		Dupl. Tim	•
ar ni ai c				•	-				Dopi. Airr	e
		Point: Well TOC	Steel Cosi	-	=	ethod; Ded. Pump				
	Flow	Cell: Y / N		Min; Pu	<i>⊪</i> ge Volume (g	9al)/(L)	Purge Rate (	gpm)/(mLpm)		
Water	Time	Vol. Purged	рH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	EN/ORP
Level	}	gallons / liters		uS/cm	NTU	mg/L	°C	%	g/L	mv
	14:18	4601	7.26	1269		7.25	19.78			95.5
	14:20	8641	7.77	1269		7.27	19.39			98.9
	14:22	1264	7.13	1270		7.00	19.90			103.6
	14:14	16hal	7/2	1268		7.30	19.29			108.7
	14:36	2060	209	1774		7.34	19.02			113.1
	11160	ACCISE!	120	<del>                                     </del>		<del>                                     </del>	1110-			13 7
	<del>                                     </del>		<u> </u>	<u> </u>	l	<u> </u>	<u>-</u>			<del></del>
	<del>-</del>		<u> </u>	<del></del>						<del> </del>
		<u>L</u>		<u> </u>	<u> </u>	<u> </u>	<del></del>	<u> </u>		l
Sample Time	• <u> 14:28</u>	Sample Lo	cation:	pump tubing w	ell port do	mestic spigot balle	r Other			
Remark	(S				-		C.			
-					1		<del></del>		<del></del>	-
Well/Sa	mple Num	iber			<b>j</b> Star	t Time	:			
Initio	al Depth to V	Vater		•	Duplico	ate Number			Dupl. Tim	e
,		Point: Well TOC	Steel Casi	- no	Purge Me	ethod: Ded. Pum	D Other		•	<del></del>
		Celt: Y / N	4.00.40	-	urge Volume (g			pm)/(mLpm)		
F"		<del></del>	<del></del>							1
Water Level	Time	Vol. Purged gallons / liters	pH	Conductivity us/cm	Turbidity NTU	Diss. Oxygen	Temp. °C ∖	Salinity %	TD\$	Eh / ORP
Level	<del> </del>	GONOLD LINES	-	303	7110		-	7.0	g/L	<del></del>
ļ	<u> </u>	<b></b> -	<u> </u>	<b> </b>		ļ	<del>                                     </del>			
<u> </u>	ļ <u>.</u>				<u> </u>					
<u></u>		<u></u>			<u></u>		1			
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			· ·						i	
	-	<u> </u>			i		1			<del>                                     </del>
	+	<del></del>	<del>                                     </del>	<del> </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>			1
	1				-			,	1	r
	·	-		<del>!</del>		<del>-</del>	<del> </del>	·		<u> </u>
Sample Time	9	Sample La	cation;	pump tubing w	reli port do	mestic spigot balle	r Other			
Sample Time		Sample La	cation;	pump tubing w	reli port do	mestic spigot balls	or Other			

Project l	Name				Sampling Event 4004							
Job N	umber 34	197750	<u>دين: ٢</u>	.01	Date 10/25/06 Meter Serial No. 05K1408							
		G & JM &	BT		'	Meter Serial No.	2 0 2	UX				
Field Con			<u> </u>					•	<del></del>			
Well/\$ar	nple Num	ber <u>BGS</u>	-28		Start	Time <u>\$137</u>	·	<u></u>				
	Depth to W					le Number			Dupl. Time			
		Point: Well TOC	Steel Casin	•	-	thod: Ded. Pump	Other					
		Cell: Y / N			-	oi)/(L)		jpm)/(mLpm)_				
lá/mhar	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh / ORP		
Water Level	1111.19	gallons / Itlens	"'	uS/cm	NTU	mg/L	*C	%	g/L	mv		
A/OT	8:39	На	7.88	6.31		6.19	21,42					
ABLE	841	82	7.89	6.31		6.07	21.50					
70	8:43	124	7.90	631		6.12	21.63					
GET	8:45	160	7.90	631		6.13	21.68					
<u>/-</u>	8:47	208	7.91	6.32		6.13	21.92					
	1011	1 <del>~ y</del>	1	W			1					
	1					i -	<u> </u>					
	<u> </u>		<del>   </del>									
L	asua	) ()				mortin enions in miles	r Other	<u></u>				
Sample Time	8:49	- Sample Lo	cation:	pump tubing we	я рогт оог	nestic spigot ballet	Other	<u> </u>				
Remark	is	· · · · · · · · · · · · · · · · · · ·			<del></del>			·				
Well/So	mple Nurr	nber			· Star	t Time						
	al Depth to V					ite Number			Dupl. Time			
11 #110		Point: Well TOC	Steel Core		•	thod: Ded Pump	Other					
			SIEGI ÇÜSI		polume (ç			gpm)/(mLpm)				
		Ceil: Y / N	T +-						TDS	Eh/ORP		
Water	Time	Vol. Purged gallons / liters	рH	Conductivity us/cm	Turbidity NTU	Diss. Oxygen	Temp. ℃	Satinity %	g/L	mv mv		
Level	1	GOROGS / MAIS	<del> </del>	promit!			<del>                                     </del>	<del>- ~</del>	314			
		<u> </u>	<del> </del>	<u> </u>	<del>:</del>		<del> </del>	-	·			
	-	-	<del> </del>	<del>  </del>	:	· ·	·	1				
-	-	<u> </u>	<u> </u>				<del> </del>	<del> </del>				
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<b> </b>	<del> </del>		<del> </del>									
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		-	—			<del> </del>	<del></del>	<del>                                     </del>				
<u> </u>						<u> </u>	<u> </u>	1		!		
Sample Tim	) <del>-</del>	Sample La	ocation:	pump tubling w	eil port do	mestic spigot – balle	or Other					
Remar	ks				<u> </u>		·	·	· · . · . · . · · · · · · · · · ·			
				· <del></del>	5.	4.T						
	mple Nun				•	t Time			_ :=			
Initio	al Depth to	Water		-	-	ate Number		-	Dupl. Time			
,	Measure	Point: Well TOC	Steel Cost		•	athod: Ded. Pum			<del>.</del>			
	Flov	v Cell: Y / N		Min. Pu	ge Volume (g	gat)/(L)	Purge Rate	(gpm)/(mLpm)				
Water	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen		Salinity	TDS	Eh/ORP		
Level		galions / liters		uS/cm	NTU	mg/L	°⊂	%	g/L	mv		
								<b>.</b>				
						<u> </u>						
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	<u> </u>	<u> </u>	1									
<u> </u>												
Camela Ti-	<del></del>		nanties:		oloof -	mostle select hells	or Other					
Sample Tim	)&	Sample Lo	ocation:	pump tubling w	ell port do	omestic spigat balls	er Other					

Project	Name <u>Hi</u>	nkley Bec 19775.C	Karen	nd Study	01-4 S	ampling Even				
Job N	lumber 34	49775.C	17W	5.01 /		Date				
Field Con	ditions Co.	DO E IT	<u>M</u>	<del>)</del> 0,6		Meter Serial No		<u> </u>		
					<del></del>	Poge	<del></del>	<u>.                                    </u>		
Well/Sar	nple Num	ber <i>BG</i> 5	<u> </u>	<u> 11/306</u>	Star	rt Time <u>/0:87</u>	<b>2</b>			
		Vater 94.		<b></b>		ate Number			Düpl. Time	,
	-	Point: Well TOC		· ng		ethod: Ded. Pum	D Other	·.		
		Cell: Y / N			urge Volume (			(gpm)/(mLpm	N .	
Water	Time	Vot. Purged	На	Conductivity		Diss. Oxygen		<del></del>		5. (655
Level	MILIA	gallons / litters	l hu	uS/cm	Turbidity NTU	mo/L	Temp. °⊂	Salinity %	TDS g/L	Eh / ORP
4471	10:11	49	6.75	43.1	2.6	7.60	20.2	<u> ~</u>	0.40	108
ar. 41	10:13	<del> </del>	70./3	59.9	4.9	9.04	19.5	<del>                                     </del>		· · · · · · · · · · · · · · · · · · ·
470	10:15	<del></del>	200	59.6		9.78			0.38	102
1505	<del></del>	123	7.40		10.4	<del></del>		<del>-</del>	0.58	105
	10:17	169		40.7	3.8	9.44	21.0		0.38	110
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10:19	20.0		59.60	3.8	9.41	51.1	<u> </u>	0.38	1/7
94.71	10:21	24 4	7.86	57.7	s.s	9.37	21.5		0.38	121
l	ļ	<u> </u>					ļ		<u> </u>	
L	<u> </u>		<u>l.                                      </u>	·	1	<u></u>	<u>                                     </u>		<u> </u>	<u>                                     </u>
Sample Time	10:23	Sample La	cation:	pump tubing w	rell port do	mestic spigot baile	r Other			
Remarks		•	•		- •			<u> </u>		
								<u>`</u>		-
Well/Sar	nple Num	ber <i>B6</i> 5	•36-	111306	Star	rt Time / 🗘 : 3	4			
1	Depth to V			<del></del>	_	ate Number	<u> </u>		Dupl, Time	
		Point: Well TOC	Shool Code		-			· · ·		·
			Sieer Cost	-		ethod: Ded. Pump	_		<del></del>	
	How	Cell: Y / N	<b>,</b>	Min: Pi	niĝe volume (	ga()/(L)	Purge Rate	(gpm)/(mLpm	·)	
Water Level	Time	Vol. Purged gallons / liters	pΗ	Conductivity us/cm	Turbidity NTU	Diss. Oxygen mg/L	Temp.	Solinity	TDS	Eh/ORP
	10:34	gallors / lifets	700			- SC	\ <u>°</u>	%	g/L	19/1
could		12.0	1:22	<b>403</b>	0.0	1.80	23./		0.57	134
no+	10:38	129	1.77	40.6	20	3.7/	23.3		<u> </u>	130
ps_	10:40	188	8.02	41.7	0.4	7.5/	22.9	<u> </u>	0.39	133
taken	10:42	2484	2.06		<u>Q.Q</u>	9.60	22. 7		0.39	138
	10:44	304	8.04	101.3	00	9.58	22.8	<u> </u>	0.37	138
		<u> </u>			·					<u> </u>
		:					i .		1	
Sample Time	10:40	Sample to	cation:	pumip tubling w	reli port do	mestic spigot balle	r Other			<u> </u>
_		- 50111016-00	COMO, I.	panpronig w	- CO	mesic sbigor - polie	- Offier		••••	<del></del>
Remarks							· · · · · · · · · · · · · · · · · · ·			
Well/Sar	nple Num	ber BES	~3×		] Star	rt Time //:0	?			
	-	Vater 107.				ate Number	<u>.</u>		7	
II II AACII				•			<u> </u>		Dupt. Time	·
		Point: Well TOC	Steet Cash	_		ethod: Ded.Pump	o Other			
	Flow	Cell: Y / N		Min. Pu	urge Volume (g	301)/(L)	Purge Rate	(gpm)/(mtpm	<u> </u>	
Water	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh / ORP
Level		gations / liters	<u> </u>	u\$/cm	NTU	mg/L	°€	%	g/L	mν
107.10	11:05	49	8.17	76	4.5	9.86	22.7		0.45	1601
107.10	11:07	84	8.18	70.4	3.4	7.89	22.8		0.45	134
107.10	11:08	18-67	8.18	70.5	0.5	9.76	22.9	1	Dix	112
14210	11:11	144	7.10	70.2	00	100	280	<del>                                     </del>	DUC	(1)
112 19	11:12	201	1.16	49.8	<del>X Z</del>	1000		+	17.40	98
12.10	11.15	<del>' ' ' ' '</del>	7.10	41.0	U.9	10.00	23.4	<del></del>	<u>~.70</u>	<u> </u>
<del> </del>			<u> </u>	<u></u>		<del> </del>		<del> </del>	<u> </u>	
ļ	<u> </u>					ļ <u>.</u>	<del> </del>	<u> </u>	ļ	ļ
L		<u> </u>	<u> </u>		<u> </u>	<u>L</u>	İ	<u> </u>	<u></u>	
Sample Time	11:14	Sample Lo	cation:	pump tubing w	eliport dos	mestic spigot baile	other			
Remarks				<b>v</b> ''						
ROTHUTKS										

Project N	Varne Hia	1775.01	round	Study G	tr-ed so	mpling Event Date	11/13/0	<u> </u>		<del></del>
Field	i Team	797				Meter Serial No.				
Field Con	ditions	Wind.		28%		Poge	2 of 3	_		
Well/\$an	nole Num	ber BGS	-50	<u> </u>	Stor	Time //: 40	<u>,                                     </u>			
	Depth to W				-	ite Number			Dupt. Time	
# II /I QI	-	Point: Well TOC	Stool Code		•	rthod: Ded Pump	t			
		Cell: Y / N	21001 CC34	•	ge Volume (g			gpm)/(mLpm)	· ·	•
145-4-5	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh / ORP
Water Level	Jille	gallons/#ters	) Pn	u\$/cm	NTU	mg/L	°C	%	9/L	mv
76.50	11:48	4 Gals	8.47	45.3	11.0	4.24	22.3	<del> </del>	0.29	75
78.00	11:50	8 9	7.43	45.1	10.2	7.01	22.4		0.29	53
77.68	11:52	124	8.37	44.9	4.3	7.24	22.6		0.29	47
77.44	11:54	16 8	8.42	45.2	1.7	8.87	22.4		0.29	45
77.25	11:50	209	8.43	44.9	3.0	7.17	22.4		0.29	44
		J								
						·			<u> </u>	
Sample Time	11:50	Sample La	ocation:	pump tubing w	reli port do	mestic spigot bailer	r Other			
Remarks		•					-			
<del></del> -	-	400			]		<u> </u>			<del></del>
Well/Sar	mple Num	ber <u>BG</u>	- 37		\$tor	t Time 12:19	<u> </u>		٦	
Initial	Vot dtqe0.	/ater <b> {\) a /</b>	<u>, e</u>	•	Duplico	ite Number			Dupt. Time	
	Measure !	Point: Well TOC	Steel Castr	-	-	ethod: Ded. Pump	Other			
	Flow	Cell: Y / N		Min. Pu	urge Volume (g	jal)/(L)	Purge Rate (	(gpm)/(mLpm	)	
Water Level	Time	Vol. Purged gallons / liters	pН	Conductivity uS/cm	Turbidity NTU	Diss. Oxygen	Temp. °⊂	Satinity %	TD\$ g/L	Eh / ORP
72.1	12:21	40	\$ 14	C7 7	3.0	9.15	23.1	<del>  ~</del>	0.37	109
+2	12.0	8 4	\$ 17	6.3 3	0.0	9.10	22.7	<del> </del>	0.37	97
10	12:25	120	8.00	58.9	ب.ب	3 13	22.9		0.57	92
NO+	12:27	169	8.14	28 1		9.32	22.8	1	0.57	90
46/2	12:20	20 8	8.15	57 P		9.23	22.9	· · · · · · · · · · · · · · · · · · ·	0.37	9/
13	1	J	4 - 1 - 3	<u> </u>		7.33		İ		
Take								<u> </u>	1	
			<u> </u>					j		
omole Time	12:3	Sample Lo	ocation:	pump tubing w	vell port do	mestic spigot balle	r Other	•		•
		) sandra Ed	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	barrio ropirið . M	ou part	mesic spigor come	, OII OI			
Remark:					<u> </u>		<u> </u>	<del> </del>		··
		ber <u>365</u>			Star	t Time <u>; 2:53</u>	<u>)</u>			
Initial	Depth to V	Vater <u>9/.:</u>	58	_	Duplico	ite Number			Dupl, Time	
,		Point: Well TOC		ng ·	Purge Me	ethod: Ded. Pump	o Other			
	How	Cell: Y / N		Min. Po	urge Volume (ç	<b>j</b> at)/( <b>L</b> )	Purge Rate (	(gpm)/(mLpm	>	
344 -	Time	Vol. Purged	рH	Conductivity	Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh/ORI
Water		gallons / liters	,	u\$/cm	טדט	mg/L	*C	%	g/L	₩v
Water Level				149.5	38.9	11.50	18.0		0.32	1.55
	12:57	49	8.09	/ / / >					0.32	136
1	12:57	4 9 8 3	8.03	49.7	0.	9.28	21.7		+	
	12:57	122	8.09 8.03 7.97	49.7	48.4	10.48	19.3		0.82	140
1	12:57 12:57 12:00 13:03	129	8.03 7.97 8.05	49.7 49.4 48.6	502.0	10.69	19.3		0.32	140
	12:57 12:57 12:00 13:03 13:05	122	8.03 7.97 8.05 8.06	49.7 49.4 48.6	48.4		19.3		0.82	140 142 144
		129		49.7 49.4 48.6	502.0	10.69	19.3		0.32	140 142 144
1		129		49.7 49.4 48.6	502.0	10.69	19.3		0.32	140 142 144
		129		49.7 49.4 48.6	502.0	10.69	19.3		0.32	140 142 14G
11.57 93.78 91.58 91.58 91.60	13:05	83 129 169 209		49.7 49.4 48.6	48.4 502.0 6180	10.69	19.3 19.5 19.5		0.32	140 142 144
1.57 93.28 91.58 91.58 91.60	13:07	83 129 169 209	8.04	49.7 48.4 48.6 49.0	48.4 502.0 6180	10.69	19.3 19.5 19.5		0.32	140 146 146

Project † Job N	vame <b>(*)</b> umber <b>24</b>	cley Backg	round WS: C	Study G	1 Sa	mpling Event Date	11/13/06			
Field	! Team 🗫	21 4 2 2	m	•		vieter Serial No.				
Field Con	ditions 🗽	Indy/Sa	***	G8.		Page	<u>3 of 3</u>			
Well/Sar	npie Num	ber <i>BGS</i>	37		\$tart	Time 13:25	- 			
Initial	Depth to W	/arter		,	-	e Number			Dupl, Time	<u> </u>
		Point: Weil TOC	Steel Cash	-		thod: Ded Pump		<del></del>	<del></del>	
	Flow	Cell: Y / N	<u> </u>		rge Volume (g		Purge Rate (g		<del></del>	
Water Level	Time	Vol. Purged gallons / liters	рΗ	Conductivity us/cm	Turbidity NTU	Diss. Oxygen	Temp. °C	Satinity %	TDS g/L	Eh / ORP mv
Not	13:27	49	8,22	59.5	00	16.81	14.1		0.38	Kolo
900	(3:27	४३	818	58.9	0.0	1122	13.7		0.38	163
+0	13:3/		8,14	59.0		11.41	13.5		<u> </u>	المكو
Tad	13:33	169	8.07	28.2		11.29	/3.5	-	<u>0.37</u>	160
<u> </u>	/2/PA									
1/0		1 - 60 6	b	= 1	<del></del>				! 	
1 AG	<del>                                     </del>	1979e	<del>                                     </del>	911 K	<u> </u>					(
Sample Time	19:3	Sample Lo	cation:	pump tubing w	ell port don	nestic spigot baller	Other			
Remark		<b>3</b> 0000, p. 000	odnor.	ponto localig	VII PO		,			
		bar 009	- 00		~. ·	Time	·····			
		ber BG3	)-X	<i></i>	•	Time	<u> </u>		] ~	
Initia	Depth to V		Δ	-	-	te Number			Dupl. Time	·
		Point: Well TOC	Steet Cost	-	-	thod: Ded. Pump	<del></del>			
		Cell: Y / N		,	urge Volume (g		Purge Rate (g	Solinity	TDS	Eh/ORP
Water Level	Time	Vol. Purged gations / liters	рH	Conductivity uS/cm	Turbidity NTU	Diss. Oxygen	Temp. °C	30x1111y %	g/L	mv
	<del> </del>									
						$\sim$	$\Lambda$	73	-	
		Sa	m	OR	/	-1-12	HNI	( <u>)</u>	PE	17
			<u> </u>	, ,		- ,			, , ,	
			100	H-10 + -	4		1-12-1	12.	<del></del>	
14	pr 1	3	110	INIV	<del>[                                    </del>		wit	ruu	<del></del>	<del> </del>
<u> </u>	<del> </del>	<u>                                     </u>	<del> </del>		<u> </u>					<u> </u>
				·		1	-	<u>.                                    </u>		.!
Sample Time		- Sample Lo	ication: .	pump tubing w	eliport do	mestić spigot i baliei	Other			
Remark	s					····	·	·		
Well/Sa	mple Num	nber			] Star	t Time			<b>.</b> .	
Initio	I Depth to V	Water		_	•	ite Nümber			Dupi. Time	·
·		Point: Well TOC	Steel Casi	•	_	ethod: Ded Pump				<u>.</u>
	Flow	Cell: Y / N			urge Volume (g		Purge Rate (			T _ :-::-
Water Level	Time	Vol. Purged gallons / liters	pН	Conductivity vS/cm	Turbidity NTU	Diss. Oxygen mg/L	Temp.	Salinity %	TDS g/L	Eh / ORP
revel	<u></u>	2 Guore Vinese		230				~	37, -	
- <del>-</del>			-				<u> </u>			
	1	<del> </del>								
			<u> </u>							
								<u></u>		
			<u> </u>	<u> </u>				<u> </u>		
L	<u> </u>	<u> </u>	<u> </u>		<u> </u>	L		<u></u>		<u> </u>
Sample Tim	e	Sample La	ecation:	pump tubing w	vell port do	mestic spigot - balle	r Other			
Remari	(S									

Project	Name <u>#ink</u>	ky Backa	round S	tudy atr	<u>-4</u> Sa	mpling Event				
Job N	lumber <u>349</u>	<u> </u>	<u> 75.01</u>	····	— .	.Date ).Meter Serial No		φ	············	
	d Team \/(	2 € ]/]	مادية ١٨٠	he winds		vieler senai 140.) Poge	1 0 3			
	nditions						<u> </u>	·	<del></del>	
Well/Sai	mple Numi	per Dateo	n-1-	111406	Start	Time <u>9:18</u>		_	,	
Initia	Depth to W	ater		(23-07)	) Duplical	e Number			Dupt, Time_	
	Measure P	oint: Well TOC	Steel Casing	0	Purge Met	thod: Ded. Pump	Other			
	Flow	Cell: Y / N		Min. Pu	rge Volume (ge	c1)/(L)	Purge Rate (c	pm)/(mLpm)		
Water	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	Satinity	TDS	Eh / ORP
Level		gations / Itters	,,,,,,	u\$/cm	NTU	mg/L	℃	%	g/L	mν
Carlo	9:20	무역	5.80	0.347	عاق	7.76	21.60		2.2	25
not	9:22	89	10.54	0.342	1.3	7.74	21.7		2.2	190
Take	9:24	129	4.23	0.340	1.1	6.49	21.Ce			<u>152                                    </u>
1315	9:24	140		0.842	3.0	8.55	21.1		2.2	122
	4:28	20 a	7.08	0.349	1.5	7.05	21.60	-	22	143
	9:30	24 a	7.05	0.348	1.0	7.97	21.3		2.2	(49
		- 1-1-								
	GRADE						Other			
Sample Time		Sample Lo	cation:	pump tubing w	eli port don	nestic spigot boiler	Other			<del></del>
Remark	<u>. 9:32</u>	·	_						····	
Well/So	mole Num	ber <i>BGS</i>	-4/_	111406	Start	Time 9:58	<b>&gt;</b>			•
			//	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			MW-90		Duck Time	10:16
INIIC	al Depth to W			•	•	te Number		<u> </u>	ا مانيا الطوم	10
		Point: Well TOC	Steel Cosin	_	-	rithod; Ded Pump				
	Flow	Cell: Y / N		Min: Pu	urge Volume (g	di)/(L)	Purge Rate (	T		
Water	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	\$alinity	TDS	Eh/ORP mv
Level		gallons / liters		uS/cm	NTU	mg/L	°€	%	g/L	
pell	10:00	39	7.67	0.116	0.0	8.90	19.1	ļ <u> </u>	0.7	2/3
Could	10:02	69	7.CaS			9.23	19.0	<u> </u>	0.7	212
not	10:04	9 &		0.118	0.6	9.8ce	18.5	<del> </del>	8.0	334
bC	10:00		7. <b>6</b> \$_		0.4	10.00	18.3	ļ	0.8	200
Tagga	110:08	154	7.4	0.112	0.0	9.80	18.4		0.7	177
		<u> </u>							<u> </u>	<del>,</del>
								ļ		
		<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Sample Tim	e (0:10	Sample La	cation:	pump tubing: v	veli port do	mestic spigot balle	r Other			
Remark							<del></del>			
	<del></del>		==-	<u> </u>	<u> </u>		-	<del></del>		
Well/Sc	ımple Num	ber <u>863</u>	<u>-5/</u>		Star	t Time <u>∫ Ø: 3</u> .	<u>2                                    </u>		_ '	
laitic	ai Depth to V	Vater		MS/MSD	Duplico	ite Number			Dupt. Time	
7		Point: Well TOC	Steel Casi	ng	Purge Me	ethod: Ded.Pum;	Other			
		Cell: Y / N			urge Volume (d			gpm)/(mLpm	)	
142-4-	Time	Vol. Purped	ОН	Conductivity	<del>,                                     </del>	Diss. Oxygen	Temp.	Solinity	TDS	Eh / ORP
Water Level	i mue	gotions / liters	"	uS/cm	NTU	mg/L	°C	%	g/L	TRV
NO	10:84	40	750	48 4	1.0	9.00	21.9		031	181
NO		8 व	78	78.57	00	8 12	22.(	1	0.32	177
ATT. V		1 I 🗸	1 ***	70.0	1.0	0/5	22.2		130	775
DIW		120	12 Au				1 ed		12.16	<u> </u>
DTW	0:38	120	7.82	48.7	<u></u>	Q 40	27 8	T	10 32	175
DTW	0:38	160	7.82	48.5	00	808	22.3		0.32	175
DTW	0:38	160	7.82		<u></u>	8.63	22.3		0.32	175
DTW	0:38	160	7.82	48.5	00	8.63	22.3			175
DTW	0:38	160	7.82	48.5	00	8.63	22.3			175
DTW	0:38	160	7.82	48.5	00	863	22.3			175 174
	0:38	209		48.5	φO	8.63 mestic spigot balle	22.3			175
	10:40 10:40	209		48.7	φO	8.63 mestic spigot balle	22.3			175 174

Project	Name <u>Hink</u>	19 Backy 1775,011	cound .	Study WI	7-9 30	mpling Event	11/-1/40			
Job 1	Number <u>349</u>	<u> </u>	1/5.0		<del></del>	Date Sorial No.	11/14/06		<del> </del>	
Fiel	ld Team W	U & J/1		San Jan San A		Vieter Seriai No. Page			<u>-</u>	
		ndy 801	_	ir wind						
Well/\$d	mple Numi	Der 865.	43		Start	Time 12:50				
	al Depth to W		<u></u>			le Number			Dupl. Time	
n nic		Point: Well TOC	Steel Costs	0		thod: Ded. Pump	Other		•	
			State Crown	-	rge Volume (g		Purge Rate (g	om)/(mi.om)		
		Cell: Y / N	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		TDS	Eh / ORP
Water	Time	Vol. Purged gations / titers	рН	Conductivity us/cm	Turbidity i	Diss. Oxygen mg/L	Temp. °⊂	Salinity %	g/L	mv En/OHP
Level		<u> </u>	201		0.0	10.19	19.5		0.30	184
<u> </u>	12:32	39	8.01	45.9	<i></i>	9 60	18.7		3.30	146
	12:34	99	7.93		-	9.54			0.30	
	12:30	79	7.72	45.5	0.2	9.49	18.9		<u> </u>	15/
<u>                                    </u>	12:38	129	7.79	45.4	8.4	7.25	19.9		0.2	100
	12:40	148	7.91	45./	00	7.77	21.7		0.27	10/
		J								<u> </u>
Comple Ter	e 12:42	Sameta La	cation:	pump tubing w	ell port des	nestic spigot bailer	Other			
		ocmbie ro	QUION:	Parabidonia w	espos GOI	TOTAL SERIES			·	
Remar	ks				<u></u>				<del></del> :	
Well/S	mpie Num	ber BGS	.यय		Start	Time <u>/2:4</u>	7			
			<del>'.  </del>			ite Number			Dupl. Time	
inni:	al Depth to W			•	•		Other		J	
		Point: Well TOC	Steet Castr		•	ethod: Ded. Pump				
	Flow	Cell: Y / N		Min: Pu	irge Volume (g	al)/(L)	Purge Rate (g			<del></del>
Water Level	Time	Vol. Purged gallons / liters	рН	Conductivity us/cm	Turbidity NTU	Diss. Oxygen mg/L	Temp. ℃	Salinity %	TDS g/L	Eh / OAP mv
	12:01	40	7.93	48.1		9.40	21.7		0.81	178
					J					1 0 00
We []	12:5	<del> </del>		494		9.10	22'8	1	0.32	125
was.	12:53	84	7.94			9.10	22.3		0.32	192
	12:53 d 12:55	8 g 12 4	<b>7.94</b>	48.8		7.3!	22.4		C.32	192
was.	12:53 12:55 12:57	8 4 12 4 16 4	<b>7.94</b> 7.20 7.85	48.8		7.3/	22.4		0.32	192
was.	12:53 d 12:55	8 g 12 4	<b>7.94</b>	48.8		7.3!	22.4		C.32	192
was.	12:53 12:55 12:57	8 4 12 4 16 4	<b>7.94</b> 7.20 7.85	48.8		7.3/	22.4		0.32	192
was.	12:53 12:55 12:57	8 4 12 4 16 4	<b>7.94</b> 7.20 7.85	48.8		7.3/	22.4		0.32	192
was.	12:53 12:55 12:57	8 4 12 4 16 4	<b>7.94</b> 7.20 7.85	48.8		7.3/	22.4		0.32	192
iocki locki	12:53 12:55 12:57 (2:59	12.4 12.4 14.6 20.9	7.94 7.80 7.85 7.86	48.8	veli pori dol	7.3/	22.4		0.32	192
LASS Sample Tin	12:53 12:55 12:57 12:57	12.4 12.4 14.6 20.9	7.94 7.80 7.85 7.86	48.8 49.0 48.9	veli pari da	7.31 8.65 8.47	22.4		0.32	192
Sample Tin	12:53 (2:57 (2:57 (2:57	12 4 12 4 10 9 20 9	7.94 7.80 7.85 7.80	48.8 49.0 48.9	veli port do	7.31 8.65 8.47	22.4		0.32	192
Sample Tin	12:53 (2:57 (2:57 (2:57	12.4 12.4 14.6 20.9	7.94 7.80 7.85 7.80	48.8 49.0 48.9		7.31 8.65 8.47	22.4		0.32	192
Sample Tin	12:55 (2:57 (2:57 (2:57 (2:57 (2:57	12 4 12 4 10 9 20 9 Sample to	7.94 7.85 7.86 7.86	48.8 49.0 48.9 pump tubing w	Stor	7.3/ 8.45 8.47	22.4		0.32	192 194 198
Sample Tin	12:55 (2:57 (2:57 (2:57 (2:57 (2:57	12 4 12 4 10 9 20 9 Sample to	7.94 7.85 7.86 7.86	48.8 49.0 48.9 pump tubing w	] Star	7.2/ 8.45 8.47 mestic spigot balle t Time_	22.4 22.2 22.0		0.32	192 194 198
Sample Tin	12:53 (2:57 (2:57 (2:57 (2:57 (2:57 (2:57 (2:57	Sample to	7.94 7.85 7.86 7.86	48.8 49.0 48.9 pump tubing w	Star  Duplica  Purge Me	7.2/ 8.47 mestic spigot boile t Time_ tie Number ethod: Ded Pume	22. 4 22. 2 22. 0	nom)/(ml on	0.32 0.32 0.32	192 194 198
Sample Tin	12:53 12:55 (2:57 (2:57 (2:57 (2:57 (2:57 (2:57 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67	Sample to	7.94 7.80 7.85 7.80 2.80 7.80 5.80 7.80	48.8 49.0 48.9 pump tubing w	Star <b>Duplica</b> Purge Me urge Volume (s	7.2/ 8.47 mestic spigot balle t Time ste Number ethod: Ded Pump pati/(1)	22. 2 22. 2 22. 0		0.32 0.32 0.32	192 194 198
Sample Tin Remai	12:53 (2:57 (2:57 (2:57 (2:57 (2:57 (2:57 (2:57 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67	Sample Louisian Point: Well Tool Cell: Y / N	7.94 7.85 7.86 7.86	48.8 49.0 48.9 pump tubing w	Star  Duplica  Purge Me  urge Volume (s	7. 2/ 8. (5 8. 47  mestic spigot balle t Time the Number ethod: Ded Pump pall/(L) Diss. Oxygen	22. 2 22. 2 22. 0 Other	Salinity	0.32 0.32 0.32 0.32	192 194 198
Sample Tin Remains Well/Sa	12:53 12:55 (2:57 (2:57 (2:57 (2:57 (2:57 (2:57 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67 (2:67	Sample to	7.94 7.80 7.85 7.80 2.80 7.80 5.80 7.80	48.8 49.0 48.9 pump tubing w	Star <b>Duplica</b> Purge Me urge Volume (s	7.2/ 8.47 mestic spigot balle t Time ste Number ethod: Ded Pump pati/(1)	22. 2 22. 2 22. 0		0.32 0.32 0.32	192 194 198
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•	Measure	Point: Well TOC	Steel Cosk	ng	Purge Me	ethod: Ded. Pump	Other			
	flow	Cell; Y / N		Min. Po	urge Volume (ç	gan/(L)	Purge Rate (	(gpm)/(mLpm	)	· · · · · · · · · · · · · · · · · · ·
Water	Time	Vol. Purged	рН	Conductivity	Turbidity	Diss. Oxygen	Temp.	\$alinity	TDS	Eh / ORP
Level		gallons / liters		uS/cm	UTM	mg/L	*℃	%	g/L	mv
			<del>                                     </del>				ļ	-		
		<u> </u>				-		<del>- </del>	<u> </u>	<del> </del>
		ļ. <u>.                                   </u>	<del> </del>	· · · · · · · · · · · · · · · · · · ·	<u> </u>			<u> </u>		<del> </del>
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			<del> </del>	<u>                                     </u>	<del>                                     </del>		<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	
<u> </u>		<u></u>		<u> </u>	1		<u> </u>	.l	<u> </u>	<u> </u>
Sample Time		Sample Lo	xcation;	pump tubing w	veil port do	mestic spigot - bailer	r Other			
Remarks										

Eh / ORP mv 124 147 147 155 160/
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124 147 147 155 160
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Eh / ORP
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148 148 149

Melet Send No		umber 349	177 <u>5,01.</u>	W5.01	Study		mpling Event Date Meter Serial No.,	11/15/00			<del></del>
Stort Time   10.14	Field Con	∷eam <u>W⊘</u> ditions <	1/1/4	<i>F</i> 0							
Initial Depth to Water   New York   West 100   Seel Coard   Purple Method: Ded Purp   Purple Method: Ded Purp   Purple Method: Ded Purp   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm)/(mLpm)   Purple Role (gpm			· /								
Mediuse Point:   west 1000   Steel Coarg   Ruge Method:   Dest Pump   Officer   Flow Cell: Y   N   Min. Ruge Volume (aptivit)   Min. Ruge Volume (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)   Total (aptivit)	Well/San	npie Numt	>er <b>//6)-</b> 4	<u>/2</u>				16.5 712		1	117.4
Worlar   Time   Vol. Purged pt   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purged   Vol. Purg	Initial					•				Dupl. Time	10.7
Water   Time   Vol. Purged   pH   Conductivity   Turbidity   Diss. Caygen   Temp.   Salinity   Dis.   Diss. Caygen   Temp.   Salinity   Dis.   Diss. Caygen   Temp.   Salinity   Dis.   Diss. Caygen   Temp.   Salinity   Dis.   Diss. Caygen   Temp.   Salinity   Dis.   Diss.   Di		Measure P	oint; Well TOC	Şteel Casin		-					
World   10   10   10   10   10   10   10   1		Flow (	Cett: Y / N	,	Min. Pu				1		<u></u>
Could   0.34   49   7.78   58.0   9   9.3   21.5   0.37   7.77		Time	•	РH					1		
Vector   10.36   10.37   1795   120   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795   1795		1.00								سيرستن سي	
Table   Co.   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table	<del></del>	<del> </del>				00					
S. 40   (6.4   7.88   57.9   3.0   21.8   0.57   172				7.45	38./		308	21.5	<del>                                     </del>		
	TAKE			7.93	2/5			2.3			
Marting   10   10   10   10   10   10   10   1	<del>-</del>	10.40			57.7			21.4			171
Start Time   10:57		10.42	<u> 20 04                                  </u>	7.71	58.0		7.20	<del></del>		<u>U.3/</u>	<del>*/. /</del>
Start Time   10:57				<del> </del>	····						
Start Time   10:57		<del> </del>	<del></del>	<del>                                     </del>							
Remarks   Remarks   Reliferation   Remarks   Reliferation   Remarks   Reliferation   Remarks   Reliferation   Remarks   Reliferation   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks   Remarks				<u></u>	<u> </u>		<u> </u>	L			<u> </u>
Well/Sample Number   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount   Discount	aple jime	10:44	Sample Lo	cation:	pump tubing we	all port don	mestic spigot bailer	Other			
Duplicate Number   Duplicate Number   Duplicate Number   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Dupliti	Remarks	s									
Duplicate Number   Duplicate Number   Duplicate Number   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Duplitine   Dupliti	Mall /ea-	onie Numi	ner Ras-	<del>१</del> 9		Stor	t lime /0:57				
Macaure Point:   Well Too   Steel Casing   Purge Method:   Ced Pump   Cher				<u>, ,</u>				<u> </u>		Duol Time	
Flow Cell; Y / N	Initial	•			•			0,5		T Sabit in ite	
Water   Time   Vol. Purged golons / Hers   DH   Conductivity   Start Time   11:07   Sample Location:   pump lubing   well part   domestic spigot   bailer   Cher   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rate (gpm)/(mLpm)   Purge Rat				Steel Casir		-				`	
Wolfer   Wolf Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collaborary   Vol. Pulged   Dr.   Collabora		Flow	Cell: Y / N		· · · · · · · · · · · · · · · · · · ·						
Moter   11:01   8 9   8:00   51:2   9:13   23:2   0:33   16:00		Time	•	рН	1 * 1	_	1 **	<b>°</b> ¢	1 '	g/L	mν
Moter   Time   Vol. Purged   pH   Conductivity   User   NTU   NTU   Purge Rate (gpm)/(mLpm)   Moter   Level   Time   Vol. Purged   pH   Conductivity   user   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NTU   NT	CALH	10:59	49	8.10	50.7	0.0	9.05	23./			
Take		11:01	83	8.00	51.2		9.13	23.2			
		11:03	129	7.93	51.4		8.22				
mple Time //:07 Sample Location: pump tubing well part domestic splgot baller Other  Remarks  Well/Sample Number   BGS - 40   Start Time // III-17   Initial Depth to Water   Duplicate Number   Dupl. Time // Initial Depth to Water   Duplicate Number   Dupl. Time // Initial Depth to Water   Duplicate Number   Dupl. Time // Initial Depth to Water   Dupl. Time // Initial Depth // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Start Time // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Start Time // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Initial Diss. Oxygen   Temp. Salinity   TDS // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Time // Start Tim		11:05			51.4						
mple Time		11:07	20 a	7.9/	5/.3		7.34	23.3	<u> </u>	0.33	18-
mple Time						'		<u></u>	ļ		
mple Time		7		T					<u> </u>		
Net   Start		1	1 .		1	ĺ	1			1	
Wetil/Sample Number   BGS - 40		<del> </del> -		· ·			<u> 1</u>	13	<u>.l.,</u>	J	
Start Time	mole Time	11:09	Sample La	cation:	pump tubina w	ell port do	mestic spigot baller		<u>, </u>	<u></u>	
Duplicate Number			Sample La	xcation;	pump tubing w	eli port do	mestic spigot baller			<u> </u>	· .
Measure Point:   Well TOC   Steel Casing   Purge Method:   Ded. Pump   Other	Remark	\$	· · · · · · · · · · · · · · · · · · ·		pump tubing w	<u> </u>			_:		
How Celt: Y / N   Min. Purge Volume (gal)/(L)   Purge Rate (gpm)/(mLpm)	Remark	\$	· · · · · · · · · · · · · · · · · · ·		pump tubing w	<u> </u>					
Water Level         Time gallons / liters         Vol. Purged gallons / liters         pH us/em         Conductivity us/em         Turbidity mo/nt         Diss. Oxygen mo/nt         Temp. %         Salinity g/L miv           11:17         8.00         47.3         9.27         20.9         0.32         /5           11:21         8.03         50.0         9.67         21.0         0.32         /5           11:23         802         50.0         9.63         21.0         0.32         (5.0)	Remark Well/Sa	s mple Num	ber BGS-		pump tubing w	Star	t lime			Dupi, Time	
Level	Remark Well/Sa	s m <b>ple Num</b> i Depth to W	ber <b>BGS</b> -	ч <i></i>		Star Duplico	t Time	Other		Dupl. Time	
11:17   8.08   49.3   9.27   20.9   0.32   15.     11:21   8.03   50.0   9.67   21.0   0.32   15.     11:23   8.02   58.0   9.63   21.0   0.32   (5.     11:23   8.02   58.0   9.63   21.0   0.32   (5.     11:23   8.02   58.0   9.63   21.0   0.32   (5.     11:24   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25   15:25	Remark Well/Sa	s m <b>ple Num</b> i Depth to W Measure F	ber BGS - Vater Point: Well TOC	ч <i></i>	-	Star <b>Duplic</b> c Purge Me	t Time ///7	Other	gpm)/(mLpm	<u> </u>	
11:21 803 500 9.47 21.0 0.32 786 11:23 802 50.0 9.63 21.0 0.32 (50	Remark Well/Sa Initia	s	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Sleei Cask	Min. P.	Star Duplico Purge Me urge Volume (c Turbidity	t Time	OtherOtherPurge Rate (	Salinity	)	Eh/OI
11:23 802 50.0 9.63 21.0 0.32 (50	Remark Weil/Sa	s	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cosk	Min. P.	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other Other Purge Rate (	Salinity	TDS g/L	Eh / Ol
	Remark Well/Sal Initia	s	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cask	Min. P.	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other	Salinity	TDS g/L	Eh/Ol
imple Time 11:25 Sample Location: purpostables well not demostic soiget baller. Other	Remark Well/Sai Initia Water	mple Num Depth to W Measure F Flow Time	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cask	Min. P. Conductivity us/cm	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other  Other  Purge Rate ( Temp. °C  20.9  21.0	Salinity	TDS g/L 0.32 0.32	Eh/Ol
male Time 11:25 Sample Location: pump tubing well not domestic spigot baller. Other	Remark Well/Sal Initia	mple Num Depth to W Measure F Flow Time	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cask	Min. P. Conductivity us/cm	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other  Other  Purge Rate ( Temp. °C  20.9  21.0	Salinity	TDS g/L 0.32 0.32	Eh/Ol
imple Time 11:25 Sample Location: grand tables, well not demostic solder. Other	Remark Well/Sai Initia Water	mple Num Depth to W Measure F Flow Time	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cask	Min. P. Conductivity us/cm	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other  Other  Purge Rate ( Temp. °C  20.9  21.0	Salinity	TDS g/L 0.32 0.32	Eh/Ol
imple Time 11:25 Sample Location: pump tubing well not domestic spigot bailer. Other	Remark Well/Sai Initia Water	mple Num Depth to W Measure F Flow Time	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cask	Min. P. Conductivity us/cm	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other  Other  Purge Rate ( Temp. °C  20.9  21.0	Salinity	TDS g/L 0.32 0.32	Eh/Ol
imple Time 11:25 Sample Location: puma tubing well not domestic spigot bailer. Other	Remark Well/Sal Initia	mple Num Depth to W Measure F Flow Time	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cask	Min. P. Conductivity us/cm	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other  Other  Purge Rate ( Temp. °C  20.9	Salinity	TDS g/L 0.32 0.32	Eh/Ol
imple Time 11:25 Somble Location: pump tubing well not domestic spigot bailer. Other	Remark Well/Sal Initia	mple Num Depth to W Measure F Flow Time	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cask	Min. P. Conductivity us/cm	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other  Other  Purge Rate ( Temp. °C  20.9	Salinity	TDS g/L 0.32 0.32	Eh/Ol
	Remark Well/Sal Initia	mple Num Depth to W Measure F Flow Time	ber BGS - /ater Point: Well TOC Cell: Y / N Vol. Purged	Steel Cask	Min. P. Conductivity us/cm	Star Duplico Purge Me urge Volume (c Turbidity	t Time	Other  Other  Purge Rate ( Temp. °C  20.9	Salinity	TDS g/L 0.32 0.32	Eh/Ol

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	umber <u>397</u>  Team   1/0		·· <u> , (</u>			Meter Serial No. g Page	(101948			
Field Con	אירי <u>אריי</u> ditions אירי	ny/691	<u> </u>			Page	<u> 3 ° 3</u>			
		<u> </u>			OL	Time //:58				
		per BGS-					<u>.                                    </u>		Dupt. Time	
initial	-	ater			•	e <b>Numbe</b> r ( hod: Ded. Pump	Other			
		oint: Well fOC	Steel Casing		rurge Met ge Volume (gd		Purge Rate (g	om)/(ml.om)		
		Cell: Y / N	- 1		Turbidity	Diss. Oxygen	Temp.	Salinity	TDS	Eh / ORP
Water Level	Time	Vol. Purged gallons / liters	pH i	Conductivity   us/cm	NTU	mg/L	• °C	%	g/L	mν
FAARI	12:00	49	8.49	5/3	1.7	8.73	21.60		0.33	160
	12:02	88	8.41	50.7	0.0	4.93	22,4		0.32	<u> 12टि</u>
	12:04	124	8.38	50.9	4.0	(32	22.7		0.32	156
<del></del>	12:00	Ju d	8.36		2.6	6.70	22.8		0.32	150
	12:08	200	8.36	51.0	2.6	4.77	22.8		0.33	155
	<u> </u>	7				<u> </u>			<del> </del>	
									<u> </u>	
								<u> </u>		
ample Time	12:10	Sample Lo	cation:	pump tubling we	nob thockle	nestic spigot boller	Other			
Remark		•	•		· ·					
		700	111-		04	Time 12:20				
Well/Sa	mple Numi	ber BGS.	44	<u> </u>	•	Time <u>12:20</u>	<u></u>		Dupl. Time	
Initia	I. Depth to W					te Number				
	Measure F	Point: Well TOC	Steel Casin		-	ethod: Ded. Pump			`	
	Flow	Cell: Y / N		Min: Pu	ırge Volume (g		<del> </del>	pm)/(mLpm)		EN LODO
Water Level	Time	Vol. Purged gallons / liters	рH	Conductivity uS/cm	Turbidity NTU	Diss. Oxygen mg/L	Temp.	Salinity %	TDS g/L	Eh / ORP
<del></del>	12:22	20	809	362	0.8	(0.20	20.0	1	0.24	1.79
	2.77	1 7 E F						,		
	12:24	62	7.92	3Ce. 1	0.9	9.80	19.9	,	0.23	177
	12:24	(2)	804	34.0	0.9	9.80	19.9		0.23	120
	12:24 12:24 12:26 12:28	(2)	7.92 804 8.03	34.0	0.9	9.80 9.94 10.01	19.9 19.6 19.3			170
	12:24	99	804	34.0	0.9		19.9		0.23	120
	12:24	99	804	34.0	0.9		19.6		0.23	170
	12:24	99	804	34.0	0.9		19.9		0.23	177
	12:24 12:26 12:28	129	804	34.0	0.9 1.3 1.L		19.9		0.23	126
Sample Tim	12:24	129	804 8.03	34.0	0.9 1.3 1.1		19.6		0.23	176
Sample Tim	12:24	129	804 8.03	34.0 342	0.9 1.3 1.1	10.01	19.6		0.23	176
Remark	12:24 12:26 12:28 12:28	izg izg Sample L	RO3	34.0 342 pump tubing w	· · · · · · · · · · · · · · · · · · ·	mestic spigot boile	19.6		0.23	176
Remark Well/Sc	12:24 12:26 12:28 12:28	12g Sample Lander	P.O.S.	34.0 342 pump tubing w	Sta	mestic spigot balle	19.6		0.23	126
Remark Well/Sc	12:24 12:28 12:28 12:30 ts 12:30	129 Sample Lander Nater	P.O.S.	34.0 34.2 pump tubing w	Star Duplica	mestic spigot balle ti Time	19.6 19.3		0.23	176
Remark Well/Sc	IZ:24 IZ:28 IZ:28 IZ:30 IX:SIMPLE Number of Depth to Wedsure	Sample London Black	P.O.S.	JUSOCe	Star  Duplice  Purge Ma	mestic spigot balle th Time the Number ethod: Ded. Pum	19.6 19.3		O.23 O.23	120
Remark Well/Sc	IZ:24 IZ:28 IZ:28 IZ:30 IX:SIMPLE Number of Depth to Wedsure	129 Sample Lander Nater	ROY ROS Decation:	pump tubing w	Star  Duplica  Purge Mi	mestic spigot balle th Time the Number ethod: Ded. Pum gal)/(L)	p OtherPurge Rate (	gpm)/(mtpir	0.23 0.23	
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Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contractor
01-06	DOM/ACT	55-78															
				Q03	07/27/2006	GW	N	METAL	SW 6020A	Chromium	2.68	μg/L	1	0.5	G200-05	EMXT	Γ CH2M
					07/27/2006	GW	N	METAL	SW 7199	Hexavalent chromium	ND <0.2 UJ	μg/L	0.2	0.1	G200-05	EMXT	Г СН2М

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
04E-01	DOM/ACT																
				Q03	07/25/2006	GW		ANION	EPA 300.0	Chloride	119	mg/L	10	2	G165-02	EMXT	Г СН2М
					07/25/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	6.43	mg/L	2.5	0.25	G165-02	EMXT	Г СН2М
					07/25/2006	GW		ANION	EPA 300.0	Sulfate	171	mg/L	10	5	G165-02	EMXT	Г СН2М
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-02	EMXT	Г СН2М
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	213	mg/L	5	1	G165-02	EMXT	Г СН2М
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	213	mg/L	5	1	G165-02	EMXT	Г СН2М
					07/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	765	mg/L	10	5	G165-02	EMXT	Г СН2М
					07/25/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G165-02	EMXT	Г СН2М
					07/25/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G165-02	EMXT	Г СН2М
					07/25/2006	GW		METAL	SW 7199	Hexavalent chromium	0.261	μg/L	0.2	0.1	G165-02	EMXT	Г СН2М
					07/25/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	G165-02	EMXT	Г СН2М
					07/25/2006	GW		Metals General	SW 6020A	Calcium	115	mg/L	1	0.05	G165-02	EMXT	Г СН2М
					07/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-02	EMXT	Г СН2М
					07/25/2006	GW		Metals General	SW 6020A	Magnesium	20.7	mg/L	1	0.05	G165-02	EMXT	Г СН2М
					07/25/2006	GW		Metals General	SW 6020A	Potassium	4.84	mg/L	1	0.05	G165-02	EMXT	Г СН2М
					07/25/2006	GW		Metals General	SW 6020A	Sodium	105	mg/L	1	0.05	G165-02	EMXT	Г СН2М
				Q04	10/25/2006	GW		ANION	EPA 300.0	Chloride	125	mg/L	25	5	J279-02	EMXT	Г СН2М
					10/25/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	6.63	mg/L	0.5	0.05	J279-02	EMXT	Г СН2М
					10/25/2006	GW		ANION	EPA 300.0	Sulfate	183	mg/L	25	12.5	J279-02	EMXT	Г СН2М
					10/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	205	mg/L	5	1	J279-02	EMXT	Г СН2М
					10/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	205	mg/L	5	1	J279-02	EMXT	Г СН2М
					10/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	830	mg/L	10	5	J279-02	EMXT	Г СН2М
					10/25/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J279-02	EMXT	Г СН2М
					10/25/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J279-02	EMXT	Г СН2М
					10/25/2006	GW		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	J279-02	EMXT	Г СН2М
					10/25/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J279-02	EMXT	Г СН2М
					10/25/2006	GW		Metals General	SW 6020A	Calcium	ND <1	mg/L	1	0.05	J279-02	EMXT	Г СН2М
					10/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J279-02	EMXT	Г СН2М
					10/25/2006	GW		Metals General	SW 6020A	Magnesium	ND <1	mg/L	1	0.05	J279-02	EMXT	Г СН2М
					10/25/2006	GW		Metals General	SW 6020A	Potassium	1.58	mg/L	1	0.05	J279-02	EMXT	Г СН2М
					10/25/2006	GW		Metals General	SW 6020A	Sodium	270	mg/L	1	0.05	J279-02	EMXT	Г СН2М

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
06E-01	DOM/ACT	80-300															
				Q03	07/24/2006	GW		ANION	EPA 300.0	Chloride	40.1	mg/L	2.5	0.5	G152-01	EMXT	CH2M
					07/24/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	3.01	mg/L	0.5	0.05	G152-01	EMXT	CH2M
					07/24/2006	GW		ANION	EPA 300.0	Sulfate	41.8	mg/L	2.5	1.25	G152-01	EMXT	CH2M
					07/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	99.1	mg/L	5	1	G152-01	EMXT	CH2M
					07/24/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	99.1	mg/L	5	1	G152-01	EMXT	CH2M
					07/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	300	mg/L	10	5	G152-01	EMXT	CH2M
					07/24/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G152-01	EMXT	CH2M
					07/24/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G152-01	EMXT	CH2M
					07/24/2006	GW		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	G152-01	EMXT	CH2M
					07/24/2006	GW		METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	G152-01	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Calcium	35.5	mg/L	1	0.05	G152-01	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G152-01	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Magnesium	6.68	mg/L	1	0.05	G152-01	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Potassium	2.77	mg/L	1	0.05	G152-01	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Sodium	44.2	mg/L	1	0.05	G152-01	EMXT	CH2M
				Q04	10/25/2006	GW		ANION	EPA 300.0	Chloride	50.9	mg/L	10	2	J279-03	EMXT	
					10/25/2006			ANION	EPA 300.0	Nitrate as Nitrogen	3.88	mg/L	0.5		J279-03	EMXT	CH2M
					10/25/2006	GW		ANION	EPA 300.0	Sulfate	40.1	mg/L	10	5	J279-03	EMXT	CH2M
					10/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	108	mg/L	5	1	J279-03	EMXT	CH2M
					10/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	108	mg/L	5	1	J279-03	EMXT	CH2M
					10/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	325	mg/L	10	5	J279-03	EMXT	CH2M
					10/25/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J279-03	EMXT	CH2M
					10/25/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J279-03	EMXT	CH2M
					10/25/2006	GW		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	J279-03	EMXT	CH2M
					10/25/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J279-03	EMXT	CH2M
					10/25/2006	GW		Metals General	SW 6020A	Calcium	39.1	mg/L	1	0.05	J279-03	EMXT	CH2M
					10/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J279-03	EMXT	CH2M
					10/25/2006	GW		Metals General	SW 6020A	Magnesium	6.83	mg/L	1	0.05	J279-03	EMXT	CH2M
					10/25/2006	GW		Metals General	SW 6020A	Potassium	2.87	mg/L	1	0.05	J279-03	EMXT	CH2M
					10/25/2006	GW		Metals General	SW 6020A	Sodium	45.1	mg/L	1	0.05	J279-03	EMXT	CH2M
					10/25/2006	GW	Dup	ANION	EPA 300.0	Chloride	51.5	mg/L	10	2	J279-01	EMXT	CH2M
					10/25/2006		Dup	ANION	EPA 300.0	Nitrate as Nitrogen	3.84	mg/L	0.5	0.05	J279-01	EMXT	CH2M
					10/25/2006	GW	Dup	ANION	EPA 300.0	Sulfate	40.4	mg/L	10	5	J279-01	EMXT	CH2M
					10/25/2006			GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	108	mg/L	5	1	J279-01	EMXT	CH2M
					10/25/2006		Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	108	mg/L	5	1	J279-01	EMXT	CH2M
					10/25/2006		•	GENERAL	EPA 160.1	Total dissolved solids	315	mg/L	10		J279-01	EMXT	CH2M
					10/25/2006		Dup	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J279-01	FMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contractor
06E-01	DOM/ACT	80-300															
				Q04	10/25/2006	GW	Dup	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J279-01	EMXT	CH2M
					10/25/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	J279-01	EMXT	CH2M
					10/25/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J279-01	EMXT	CH2M
					10/25/2006	GW	Dup	Metals General	SW 6020A	Calcium	39.7	mg/L	1	0.05	J279-01	EMXT	CH2M
					10/25/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J279-01	EMXT	CH2M
					10/25/2006	GW	Dup	Metals General	SW 6020A	Magnesium	6.96	mg/L	1	0.05	J279-01	EMXT	CH2M
					10/25/2006	GW	Dup	Metals General	SW 6020A	Potassium	2.91	mg/L	1	0.05	J279-01	EMXT	CH2M
					10/25/2006	GW	Dup	Metals General	SW 6020A	Sodium	46.2	mg/L	1	0.05	J279-01	EMXT	CH2M

Notes:

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Landin	Type/	Perf.	Discrete	Ougates	Sample	Sample		•	Madaad	Dava wastan	Danula	l luite	D.	D.	Lab ID	1-6-6	
Location	Status	Int-ft	Dep-ft	Quarter	Date	Matrix	Туре	Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contractor
27-03	AGR/ACT																
				Q03	07/27/2006	GW	,	ANION	EPA 300.0	Chloride	112	mg/L	10	2	G200-02	EMXT	CH2M
					07/27/2006	GW	,	ANION	EPA 300.0	Nitrate as Nitrogen	9.81	mg/L	5	0.5	G200-02	EMXT	CH2M
					07/27/2006	GW	,	ANION	EPA 300.0	Sulfate	71.1	mg/L	5	2.5	G200-02	<b>EMXT</b>	CH2M
					07/27/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	G200-02	EMXT	CH2M
					07/27/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	G200-02	EMXT	CH2M
					07/27/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	530	mg/L	10	5	G200-02	EMXT	CH2M
					07/27/2006	GW	ı	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G200-02	EMXT	CH2M
					07/27/2006	GW	ı	METAL	SW 6020A	Chromium	2.38	μg/L	1	0.5	G200-02	EMXT	CH2M
					07/27/2006	GW	ı	METAL	SW 7199	Hexavalent chromium	2.17	μg/L	0.2	0.1	G200-02	EMXT	CH2M
					07/27/2006	GW	ı	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	G200-02	EMXT	CH2M
					07/27/2006	GW	ı	Metals Genera	SW 6020A	Calcium	69.1	mg/L	1	0.05	G200-02	EMXT	CH2M
					07/27/2006	GW	ı	Metals Genera	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G200-02	<b>EMXT</b>	CH2M
					07/27/2006	GW	ı	Metals Genera	SW 6020A	Magnesium	14.1	mg/L	1	0.05	G200-02	EMXT	CH2M
					07/27/2006	GW	ı	Metals Genera	SW 6020A	Potassium	3.13	mg/L	1	0.05	G200-02	EMXT	CH2M
					07/27/2006	GW	ı	Metals Genera	SW 6020A	Sodium	83.3	mg/L	1	0.05	G200-02	EMXT	CH2M

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

	Type/	Perf.	Discrete	Ougston	Sample	Sample		•	Madaad	Dava-markan	Danula	l luite	D.	D.	Lab ID	lah d	<b>-</b>
Location	Status	Int-ft	Dep-ft	Quarter	Date	Matrix	Туре	Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
36-24	DOM/ACT																
				Q03	07/27/2006	GW	,	ANION	EPA 300.0	Chloride	147	mg/L	10	2	G200-04	EMXT	CH2M
					07/27/2006	GW	,	ANION	EPA 300.0	Nitrate as Nitrogen	13.9	mg/L	5	0.5	G200-04	EMXT	CH2M
					07/27/2006	GW	,	ANION	EPA 300.0	Sulfate	191	mg/L	10	5	G200-04	EMXT	CH2M
					07/27/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	432	mg/L	5	1	G200-04	EMXT	CH2M
					07/27/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	432	mg/L	5	1	G200-04	EMXT	CH2M
					07/27/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	1080	mg/L	10	5	G200-04	EMXT	CH2M
					07/27/2006	GW	1	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G200-04	EMXT	CH2M
					07/27/2006	GW	1	METAL	SW 6020A	Chromium	1.8	μg/L	1	0.5	G200-04	EMXT	CH2M
					07/27/2006	GW	1	METAL	SW 7199	Hexavalent chromium	1.64 J	μg/L	0.2	0.1	G200-04	EMXT	CH2M
					07/27/2006	GW	1	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	G200-04	EMXT	CH2M
					07/27/2006	GW	1	Metals Genera	I SW 6020A	Calcium	155	mg/L	1	0.05	G200-04	EMXT	CH2M
					07/27/2006	GW	1	Metals Genera	I SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G200-04	EMXT	CH2M
					07/27/2006	GW	1	Metals Genera	I SW 6020A	Magnesium	26.9	mg/L	1	0.05	G200-04	EMXT	CH2M
					07/27/2006	GW	ı	Metals Genera	I SW 6020A	Potassium	4.54	mg/L	1	0.05	G200-04	EMXT	CH2M
					07/27/2006	GW	ı	Metals Genera	SW 6020A	Sodium	188	mg/L	1	0.05	G200-04	EMXT	CH2M

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Sample Matrix: GW = Groundwater

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contractor
36-25	DOM/ACT																
30-23	DOMACI			Q03	07/27/2006	GW		ANION	EPA 300.0	Chloride	160	mg/L	10	2	G200-03	EMXT	CH2M
				Quu	07/27/2006			ANION	EPA 300.0	Nitrate as Nitrogen	21	mg/L	10		G200-03	EMXT	CH2M
					07/27/2006			ANION	EPA 300.0	Sulfate	242	mg/L	10		G200-03	EMXT	CH2M
					07/27/2006			GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	469	mg/L	5		G200-03	EMXT	CH2M
					07/27/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	469	mg/L	5	1	G200-03	EMXT	CH2M
					07/27/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	1260	mg/L	10	5	G200-03	EMXT	CH2M
					07/27/2006	GW	1	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G200-03	EMXT	CH2M
					07/27/2006	GW	1	METAL	SW 6020A	Chromium	2.01	μg/L	1	0.5	G200-03	EMXT	CH2M
					07/27/2006	GW	I	METAL	SW 7199	Hexavalent chromium	1.7	μg/L	0.2	0.1	G200-03	EMXT	CH2M
					07/27/2006	GW	ļ	METAL	SW 6020A	Manganese	0.00104	mg/L	0.001	0.0005	G200-03	<b>EMXT</b>	CH2M
					07/27/2006	GW	1	Metals Genera	al SW 6020A	Calcium	147	mg/L	1	0.05	G200-03	EMXT	CH2M
					07/27/2006	GW	1	Metals Genera	al SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G200-03	EMXT	CH2M
					07/27/2006	GW	1	Metals Genera	I SW 6020A	Magnesium	28.2	mg/L	1	0.05	G200-03	EMXT	CH2M
					07/27/2006	GW	1	Metals Genera	al SW 6020A	Potassium	4.29	mg/L	1	0.05	G200-03	EMXT	CH2M
					07/27/2006	GW	1	Metals Genera	l SW 6020A	Sodium	263	mg/L	1	0.05	G200-03	EMXT	CH2M

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-01	DOM/ACT	90-150														
				Q01	01/31/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-03	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Chloride	113	mg/L	10	2	B004-03	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.71	mg/L	0.5	0.05	B004-03	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Sulfate	176	mg/L	10	5	B004-03	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-03	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	145	mg/L	5	1	B004-03	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	145	mg/L	5	1	B004-03	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-03	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	700	mg/L	10	5	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Arsenic	0.00711	mg/L	0.005	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Barium	0.0406	mg/L	0.001	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951327-00	O3 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 7199	Hexavalent chromium	0.32	μg/L	0.2	0.0184	951327-00	O3 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Molybdenum	0.00848	mg/L	0.005	0.001	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-03	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Zinc	0.0343	mg/L	0.02	0.005	B004-03	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Calcium	81.4	mg/L	1	0.05	B004-03	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-03	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Magnesium	16.9	mg/L	1	0.05	B004-03	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Potassium	4.78	mg/L	1	0.05	B004-03	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Sodium	107	mg/L	1	0.05	B004-03	EMXT	CH2M
				Q02	04/25/2006	GW	ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D191-01	EMXT	CH2M
					04/25/2006		ANION	EPA 300.0	Chloride	155	mg/L	12.5	2.5	D191-01	EMXT	
					04/25/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	2.52	mg/L	0.5	0.05	D191-01	EMXT	CH2M
					04/25/2006	GW	ANION	EPA 300.0	Sulfate	248	mg/L	12.5	6.25	D191-01	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D191-01	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	162	mg/L	5	1	D191-01	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-01	DOM/ACT	90-150															
				Q02	04/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	162	mg/L	5	1	D191-01	EMXT	CH2M
					04/25/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D191-01	EMXT	CH2M
					04/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	870	mg/L	10	5	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Arsenic	0.00618	mg/L	0.005	0.0005	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Barium	0.0536	mg/L	0.001	0.0005	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 7199	Hexavalent chromium	0.495	μg/L	0.2	0.1	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Lead	ND <0.005	mg/L	0.005	0.0005	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Manganese	0.00279	mg/L	0.001	0.0005	D191-01	EMXT	CH2M
					04/25/2006			METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D191-01	EMXT	CH2M
					04/25/2006			METAL	SW 6020A	Molybdenum	0.009	mg/L	0.005	0.001	D191-01	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Nickel	ND <0.02	mg/L	0.02	0.0005	D191-01	EMXT	CH2M
					04/25/2006			METAL	SW 6020A	Selenium	ND <0.001	mg/L	0.001		D191-01	EMXT	CH2M
					04/25/2006			METAL	SW 6020A	Thallium	ND <0.001	mg/L	0.001	0.0005	D191-01	EMXT	CH2M
					04/25/2006			METAL	SW 6020A	Zinc	0.0269 J	mg/L	0.02		D191-01	EMXT	
					04/25/2006			Metals General		Calcium	106	mg/L	1		D191-01	EMXT	
					04/25/2006			Metals General		Iron	ND <0.5	mg/L	0.5		D191-01	EMXT	
					04/25/2006			Metals General		Magnesium	21.1	mg/L	1		D191-01	EMXT	
					04/25/2006			Metals General		Potassium	5.35	mg/L	1		D191-01	EMXT	
					04/25/2006			Metals General		Sodium	129	mg/L	1		D191-01	EMXT	
				Q03	07/25/2006	GW		ANION	EPA 300.0	Chloride	90.9	mg/L	10	2	G165-03	EMXT	CH2M
					07/25/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	1.42	mg/L	0.5	0.05	G165-03	EMXT	CH2M
					07/25/2006	GW		ANION	EPA 300.0	Sulfate	129	mg/L	10	5	G165-03	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-03	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	123	mg/L	5	1	G165-03	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	123	mg/L	5	1	G165-03	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	545	mg/L	10	5	G165-03	EMXT	CH2M
					07/25/2006	GW		METAL	SW 6020A	Arsenic	0.00733	mg/L	0.005	0.0005	G165-03	EMXT	CH2M
					07/25/2006			METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G165-03	EMXT	CH2M
					07/25/2006			METAL	SW 7199	Hexavalent chromium	ND <0.2	μg/L	0.2	0.1	G165-03	EMXT	
					07/25/2006			METAL	SW 6020A	Manganese	ND <0.01	mg/L	0.01		G165-03	EMXT	
					07/25/2006			Metals General		Calcium	57.6	mg/L	1		G165-03		CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-01	DOM/ACT	90-150															
	, ,			Q03	07/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-03	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Magnesium	13.1	mg/L	1	0.05	G165-03	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Potassium	4	mg/L	1	0.05	G165-03	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Sodium	76.1	mg/L	1	0.05	G165-03	EMXT	CH2M
				Q04	10/23/2006	GW		ANION	EPA 300.0	Chloride	123	mg/L	10	2	J236-04	EMXT	CH2M
					10/23/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	1.98	mg/L	0.5	0.05	J236-04	EMXT	CH2M
					10/23/2006	GW		ANION	EPA 300.0	Sulfate	187	mg/L	10	5	J236-04	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	J236-04	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	140	mg/L	5	1	J236-04	<b>EMXT</b>	CH2M
					10/23/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	690	mg/L	10	5	J236-04	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Arsenic	0.00728	mg/L	0.005	0.0005	J236-04	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J236-04	EMXT	CH2M
					10/23/2006	GW		METAL	SW 7199	Hexavalent chromium	0.328 J	μg/L	0.2	0.1	J236-04	<b>EMXT</b>	CH2M
					10/23/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-04	<b>EMXT</b>	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Calcium	81.3	mg/L	1	0.05	J236-04	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J236-04	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Magnesium	16.6	mg/L	1	0.05	J236-04	<b>EMXT</b>	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Potassium	4.8	mg/L	1	0.05	J236-04	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Sodium	96.6	mg/L	1	0.05	J236-04	EMXT	CH2M

Notes:

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Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-04	DOM/ACT	83-153														
				Q01	02/01/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B015-02	EMXT	CH2M
					02/01/2006	GW	ANION	EPA 300.0	Chloride	45	mg/L	5	1	B015-02	EMXT	CH2M
					02/01/2006		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	B015-02	EMXT	CH2M
					02/01/2006		ANION	EPA 300.0	Sulfate	63.6	mg/L	5	2.5	B015-02	EMXT	CH2M
					02/01/2006		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B015-02	EMXT	CH2M
					02/01/2006		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	131	mg/L	5	1	B015-02	EMXT	CH2M
					02/01/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	131	mg/L	5	1	B015-02	EMXT	CH2M
					02/01/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B015-02	EMXT	CH2M
					02/01/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	350	mg/L	10	5	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Arsenic	0.0129	mg/L	0.005	0.0005	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Barium	0.0451	mg/L	0.001	0.0005	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B015-02	EMXT	CH2M
					02/01/2006		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B015-02	EMXT	CH2M
					02/01/2006		METAL	SW 6020A	Chromium	2.39	μg/L	1		951368-0	02 TLI	CH2M
					02/01/2006		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B015-02	EMXT	CH2M
					02/01/2006		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B015-02	EMXT	
					02/01/2006	GW	METAL	SW 7199	Hexavalent chromium	2.5	μg/L	0.2	0.0184	951368-0	02 TLI	CH2M
					02/01/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Molybdenum	0.00704	mg/L	0.005	0.001	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B015-02	EMXT	CH2M
					02/01/2006	GW	METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	B015-02	EMXT	CH2M
					02/01/2006	GW	Metals General	SW 6020A	Calcium	22.8	mg/L	1	0.05	B015-02	EMXT	CH2M
					02/01/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B015-02	EMXT	CH2M
					02/01/2006	GW	Metals General	SW 6020A	Magnesium	10.1	mg/L	1	0.05	B015-02	EMXT	CH2M
					02/01/2006	GW	Metals General	SW 6020A	Potassium	2.93	mg/L	1	0.05	B015-02	EMXT	CH2M
					02/01/2006	GW	Metals General	SW 6020A	Sodium	92.7	mg/L	1	0.05	B015-02	EMXT	CH2M
				Q02	04/26/2006		ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5		D205-07	EMXT	
					04/26/2006		ANION	EPA 300.0	Chloride	43.5	mg/L	10		D205-07	EMXT	
					04/26/2006		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5		D205-07	EMXT	
					04/26/2006		ANION	EPA 300.0	Sulfate	63.9	mg/L	10		D205-07	EMXT	
					04/26/2006		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5		D205-07	EMXT	
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	D205-07	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		•	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-04	DOM/ACT	83-153															
				Q02	04/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	140	mg/L	5	1 [	0205-07	EMXT	CH2M
					04/26/2006			GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03 [	0205-07	EMXT	CH2M
					04/26/2006			GENERAL	EPA 160.1	Total dissolved solids	390	mg/L	10	5 [	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Arsenic	0.0126	mg/L	0.005	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Barium	0.0435	mg/L	0.001	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Chromium	2.74	μg/L	1	0.5	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 7199	Hexavalent chromium	2.4	μg/L	0.2	0.1	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	0205-07	<b>EMXT</b>	CH2M
					04/26/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1 [	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Molybdenum	0.00708	mg/L	0.005	0.001	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	0205-07	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	0205-07	<b>EMXT</b>	CH2M
					04/26/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	0205-07	<b>EMXT</b>	CH2M
					04/26/2006	GW		METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	0205-07	<b>EMXT</b>	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Calcium	21.2	mg/L	1	0.05	0205-07	<b>EMXT</b>	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	0205-07	EMXT	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Magnesium	10.1	mg/L	1	0.05	0205-07	EMXT	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Potassium	2.72	mg/L	1	0.05	0205-07	<b>EMXT</b>	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Sodium	88.6	mg/L	1	0.05	0205-07	<b>EMXT</b>	CH2M
					04/26/2006	GW	Dup	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	0205-06	<b>EMXT</b>	CH2M
					04/26/2006	GW	Dup	ANION	EPA 300.0	Chloride	43.8	mg/L	5	1 [	0205-06	EMXT	CH2M
					04/26/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	0205-06	EMXT	CH2M
					04/26/2006	GW	Dup	ANION	EPA 300.0	Sulfate	63.1	mg/L	5	2.5	0205-06	EMXT	CH2M
					04/26/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1 [	0205-06	EMXT	CH2M
					04/26/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	143	mg/L	5	1 [	0205-06	EMXT	CH2M
					04/26/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	143	mg/L	5	1 [	0205-06	EMXT	CH2M
					04/26/2006	GW	Dup	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03 [	0205-06	EMXT	CH2M
					04/26/2006		-	GENERAL	EPA 160.1	Total dissolved solids	340	mg/L	10		0205-06	EMXT	
					04/26/2006			METAL	SW 6020A	Antimony	ND <0.001	mg/L	0.001	0.0005	0205-06	EMXT	CH2M
					04/26/2006		•	METAL	SW 6020A	Arsenic	0.0129	mg/L	0.005	0.0005		EMXT	CH2M
					04/26/2006			METAL	SW 6020A	Barium	0.0435	mg/L	0.001	0.0005		EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-04	DOM/ACT	83-153															
				Q02	04/26/2006	GW	Dup	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Chromium	2.87	μg/L	1	0.5	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	2.41	μg/L	0.2	0.1	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Molybdenum	0.00708	mg/L	0.005	0.001	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	Metals General	SW 6020A	Calcium	21.4	mg/L	1	0.05	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	Metals General	SW 6020A	Magnesium	10.5	mg/L	1	0.05	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	Metals General	SW 6020A	Potassium	2.7	mg/L	1	0.05	D205-06	EMXT	CH2M
					04/26/2006	GW	Dup	Metals General	SW 6020A	Sodium	89.1	mg/L	1	0.05	D205-06	EMXT	CH2M
				Q03	07/25/2006	GW		ANION	EPA 300.0	Chloride	46.1	mg/L	5	1	G165-10	EMXT	CH2M
					07/25/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G165-10	EMXT	CH2M
					07/25/2006	GW		ANION	EPA 300.0	Sulfate	65.2	mg/L	5	2.5	G165-10	EMXT	CH2M
					07/25/2006			GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-10	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	G165-10	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	G165-10	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	360	mg/L	10	5	G165-10	EMXT	CH2M
					07/25/2006	GW		METAL	SW 6020A	Arsenic	0.0135	mg/L	0.005	0.0005	G165-10	EMXT	CH2M
					07/25/2006	GW		METAL	SW 6020A	Chromium	2.73	μg/L	1	0.5	G165-10	EMXT	CH2M
					07/25/2006	GW		METAL	SW 7199	Hexavalent chromium	2.56	μg/L	0.2	0.1	G165-10	EMXT	CH2M
					07/25/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	G165-10	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Calcium	20.7	mg/L	1	0.05	G165-10	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-10	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Magnesium	10.1	mg/L	1	0.05	G165-10	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Potassium	2.94	mg/L	1	0.05	G165-10	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Sodium	84.4	mg/L	1	0.05	G165-10	EMXT	CH2M
					07/25/2006	GW	Dup	ANION	EPA 300.0	Chloride	45.4	mg/L	5	1	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G165-09	EMXT	CH2M

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Sample Matrix: GW = Groundwater

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	ontracto
BGS-04	DOM/ACT	83-153															
				Q03	07/25/2006	GW	Dup	ANION	EPA 300.0	Sulfate	64.2	mg/L	5	2.5	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	360	mg/L	10	5	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.0125	mg/L	0.005	0.0005	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	METAL	SW 6020A	Chromium	2.65	μg/L	1	0.5	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	2.53	μg/L	0.2	0.1	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Calcium	19.9	mg/L	1	0.05	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Magnesium	9.61	mg/L	1	0.05	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Potassium	2.78	mg/L	1	0.05	G165-09	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Sodium	80.6	mg/L	1	0.05	G165-09	EMXT	CH2M
				Q04	10/23/2006	GW		ANION	EPA 300.0	Chloride	46.6	mg/L	10	2	J236-05	EMXT	CH2M
					10/23/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	J236-05	EMXT	CH2M
					10/23/2006	GW		ANION	EPA 300.0	Sulfate	67.7	mg/L	10	5	J236-05	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	J236-05	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	J236-05	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	385	mg/L	10	5	J236-05	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Arsenic	0.0137	mg/L	0.005	0.0005	J236-05	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Chromium	2.77	μg/L	1	0.5	J236-05	EMXT	CH2M
					10/23/2006	GW		METAL	SW 7199	Hexavalent chromium	2.6 J	μg/L	0.2	0.1	J236-05	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-05	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Calcium	21.6	mg/L	1	0.05	J236-05	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J236-05	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Magnesium	9.71	mg/L	1	0.05	J236-05	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Potassium	2.92	mg/L	1	0.05	J236-05	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Sodium	84	mg/L	1	0.05	J236-05	EMXT	CH2M

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Sample Matrix: GW = Groundwater

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-05	DOM/ACT															
				Q01	01/31/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-10	EMXT	CH2M
					01/31/2006		ANION	EPA 300.0	Chloride	86.8	mg/L	5	1	B004-10	EMXT	CH2M
					01/31/2006		ANION	EPA 300.0	Sulfate	104	mg/L	5	2.5	B004-10	EMXT	CH2M
					01/31/2006		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-10	EMXT	
					01/31/2006		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	264	mg/L	5	1	B004-10	EMXT	
					01/31/2006		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	264	mg/L	5	1	B004-10	EMXT	CH2M
					01/31/2006		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-10	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	670	mg/L	10	5	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Barium	0.087	mg/L	0.001	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Chromium	1.11	μg/L	1	0.075	951327-01	10 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 7199	Hexavalent chromium	0.959	μg/L	0.2	0.0184	951327-01	10 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-10	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Zinc	0.0203	mg/L	0.02	0.005	B004-10	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Calcium	100	mg/L	1	0.05	B004-10	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-10	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Magnesium	18.5	mg/L	1	0.05	B004-10	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Potassium	3.67	mg/L	1	0.05	B004-10	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Sodium	91	mg/L	1	0.05	B004-10	EMXT	CH2M
				Q02	04/25/2006		ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5		D191-06	EMXT	
					04/25/2006		ANION	EPA 300.0	Chloride	96.7	mg/L	12.5		D191-06	EMXT	
					04/25/2006		ANION	EPA 300.0	Sulfate	146	mg/L	12.5		D191-06	EMXT	
					04/25/2006		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5		D191-06	EMXT	CH2M
					04/25/2006		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	349	mg/L	5	1	D191-06	EMXT	CH2M
					04/25/2006		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	349	mg/L	5	1	D191-06	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D191-06	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-05	DOM/ACT																
	•			Q02	04/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	910	mg/L	10	5	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Barium	0.0595	mg/L	0.001	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 7199	Hexavalent chromium	0.762	μg/L	0.2	0.1	D191-06R	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D191-06	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	D191-06	EMXT	CH2M
					04/25/2006	GW		Metals General	SW 6020A	Calcium	124	mg/L	1	0.05	D191-06	EMXT	CH2M
					04/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D191-06	EMXT	CH2M
					04/25/2006	GW		Metals General	SW 6020A	Magnesium	21.1	mg/L	1	0.05	D191-06	EMXT	CH2M
					04/25/2006	GW		Metals General	SW 6020A	Potassium	3.6	mg/L	1	0.05	D191-06	EMXT	CH2M
					04/25/2006	GW		Metals General	SW 6020A	Sodium	144	mg/L	1	0.05	D191-06	EMXT	CH2M

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BGS-06	DOM/ACT	100-200														
				Q01	01/31/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-05	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Chloride	55	mg/L	5	1	B004-05	EMXT	CH2M
					01/31/2006		ANION	EPA 300.0	Nitrate as Nitrogen	6.82	mg/L	2.5	0.25	B004-05	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Sulfate	60	mg/L	2.5	1.25	B004-05	EMXT	
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-05	EMXT	
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	173	mg/L	5	1	B004-05	EMXT	CH2M
					01/31/2006		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	173	mg/L	5	1	B004-05	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-05	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	410	mg/L	10	5	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Barium	0.0784	mg/L	0.001	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951327-00	)5 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.0184	951327-00	)5 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Manganese	0.00464	mg/L	0.001	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-05	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Zinc	0.0379	mg/L	0.02	0.005	B004-05	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Calcium	55.1	mg/L	1	0.05	B004-05	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-05	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Magnesium	10.2	mg/L	1	0.05	B004-05	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Potassium	3.04	mg/L	1	0.05	B004-05	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Sodium	77.2	mg/L	1	0.05	B004-05	EMXT	CH2M
				Q02	04/26/2006		ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D205-01	EMXT	CH2M
					04/26/2006		ANION	EPA 300.0	Chloride	42.7	mg/L	5		D205-01	EMXT	
					04/26/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.42	mg/L	0.5	0.05	D205-01	EMXT	CH2M
					04/26/2006	GW	ANION	EPA 300.0	Sulfate	47.3	mg/L	5	2.5	D205-01	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D205-01	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	98.9	mg/L	5	1	D205-01	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-06	DOM/ACT	100-200															
				Q02	04/26/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	98.9	mg/L	5	1	D205-01	EMXT	Г СН2М
					04/26/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D205-01	EMXT	Г СН2М
					04/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	305	mg/L	10	5	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Barium	0.0661	mg/L	0.001	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	D205-01	EMXT	Г СН2М
					04/26/2006	GW		Metals General	SW 6020A	Calcium	41.1	mg/L	1	0.05	D205-01	EMXT	Г СН2М
					04/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D205-01	EMXT	Г СН2М
					04/26/2006	GW		Metals General	SW 6020A	Magnesium	7.55	mg/L	1	0.05	D205-01	EMXT	Г СН2М
					04/26/2006	GW		Metals General	SW 6020A	Potassium	2.45	mg/L	1	0.05	D205-01	EMXT	Г СН2М
					04/26/2006	GW		Metals General	SW 6020A	Sodium	45.2	mg/L	1	0.05	D205-01	EMXT	Г СН2М
				Q03	07/24/2006	GW		ANION	EPA 300.0	Chloride	62.7	mg/L	5	1	G152-04	EMXT	г сн2м
					07/24/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	4.79	mg/L	0.5	0.05	G152-04	EMXT	Г СН2М
					07/24/2006	GW		ANION	EPA 300.0	Sulfate	49.4	mg/L	2.5	1.25	G152-04	EMXT	Г СН2М
					07/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	115	mg/L	5	1	G152-04	EMXT	Г СН2М
					07/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	115	mg/L	5	1	G152-04	EMXT	Г СН2М
					07/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	330	mg/L	10	5	G152-04	EMXT	Г СН2М
					07/24/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G152-04	EMXT	Г СН2М
					07/24/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G152-04	EMXT	Г СН2М
					07/24/2006	GW		METAL	SW 7199	Hexavalent chromium	ND <0.2	μg/L	0.2	0.1	G152-04	EMXT	Г СН2М
					07/24/2006			METAL	SW 6020A	Manganese	0.0015	mg/L	0.001	0.0005	G152-04	EMXT	Г СН2М
					07/24/2006			Metals General	SW 6020A	Calcium	45.9	mg/L	1	0.05	G152-04	EMXT	Г СН2М
					07/24/2006			Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5		G152-04	FMXT	г сн2м

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Sample Matrix: GW = Groundwater

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-06	DOM/ACT	100-200															
				Q03	07/24/2006	GW		Metals General	SW 6020A	Magnesium	8.62	mg/L	1	0.05	G152-04	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Potassium	2.76	mg/L	1	0.05	G152-04	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Sodium	58	mg/L	1	0.05	G152-04	EMXT	CH2M
				Q04	10/23/2006	GW		ANION	EPA 300.0	Chloride	43.7	mg/L	5	1	J236-01	EMXT	CH2M
					10/23/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	1.74	mg/L	0.5	0.05	J236-01	EMXT	CH2M
					10/23/2006	GW		ANION	EPA 300.0	Sulfate	44.2	mg/L	5	2.5	J236-01	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	97.5	mg/L	5	1	J236-01	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	97.5	mg/L	5	1	J236-01	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	280	mg/L	10	5	J236-01	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J236-01	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J236-01	EMXT	CH2M
					10/23/2006	GW		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	J236-01	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-01	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Calcium	37.4	mg/L	1	0.05	J236-01	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J236-01	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Magnesium	6.45	mg/L	1	0.05	J236-01	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Potassium	2.52	mg/L	1	0.05	J236-01	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Sodium	44.4	mg/L	1	0.05	J236-01	EMXT	CH2M
					10/23/2006	GW	Dup	ANION	EPA 300.0	Chloride	44.2	mg/L	5	1	J236-03	EMXT	CH2M
					10/23/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	1.67	mg/L	0.5	0.05	J236-03	<b>EMXT</b>	CH2M
					10/23/2006	GW	Dup	ANION	EPA 300.0	Sulfate	45.2	mg/L	5	2.5	J236-03	<b>EMXT</b>	CH2M
					10/23/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	95	mg/L	5	1	J236-03	<b>EMXT</b>	CH2M
					10/23/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	95	mg/L	5	1	J236-03	<b>EMXT</b>	CH2M
					10/23/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	240	mg/L	10	5	J236-03	<b>EMXT</b>	CH2M
					10/23/2006	GW	Dup	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J236-03	<b>EMXT</b>	CH2M
					10/23/2006	GW	Dup	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J236-03	<b>EMXT</b>	CH2M
					10/23/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	J236-03	<b>EMXT</b>	CH2M
					10/23/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-03	EMXT	CH2M
					10/23/2006	GW	Dup	Metals General	SW 6020A	Calcium	37	mg/L	1	0.05	J236-03	EMXT	CH2M
					10/23/2006	GW	Dup	Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	J236-03	EMXT	CH2M
					10/23/2006	GW	Dup	Metals General	SW 6020A	Magnesium	6.45	mg/L	1	0.05	J236-03	EMXT	CH2M
					10/23/2006		Dup	Metals General	SW 6020A	Potassium	2.45	mg/L	1	0.05	J236-03	EMXT	CH2M
					10/23/2006		Dup	Metals General	SW 6020A	Sodium	43.5	mg/L	1	0.05	J236-03	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-09	DOM/ACT															
				Q01	01/30/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	A174-01	EMXT	CH2M
					01/30/2006	GW	ANION	EPA 300.0	Chloride	32.8	mg/L	2.5	0.5	A174-01	EMXT	CH2M
					01/30/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.15	mg/L	0.5	0.05	A174-01	EMXT	CH2M
					01/30/2006	GW	ANION	EPA 300.0	Sulfate	37.7	mg/L	2.5	1.25	A174-01	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	A174-01	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	90.3	mg/L	5	1	A174-01	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	90.3	mg/L	5	1	A174-01	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	A174-01	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	235	mg/L	10	5	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Barium	0.0444	mg/L	0.001		A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951265-00	1 TLI	CH2M
					01/30/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.0184	951265-00	1 TLI	CH2M
					01/30/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Manganese	0.00396	mg/L	0.001	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	A174-01	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Zinc	0.0257	mg/L	0.02	0.005	A174-01	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Calcium	31.3	mg/L	1	0.05	A174-01	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	A174-01	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Magnesium	5.88	mg/L	1	0.05	A174-01	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Potassium	2.44	mg/L	1	0.05	A174-01	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Sodium	34.7	mg/L	1	0.05	A174-01	EMXT	CH2M
				Q02	04/24/2006	GW	ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D180-03	EMXT	CH2M
					04/24/2006	GW	ANION	EPA 300.0	Chloride	53.1	mg/L	5	1	D180-03	EMXT	
					04/24/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	0.854	mg/L	0.5	0.05	D180-03	EMXT	CH2M
					04/24/2006	GW	ANION	EPA 300.0	Sulfate	36.8	mg/L	5	2.5	D180-03	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D180-03	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	79.6	mg/L	5	1	D180-03	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-09	DOM/ACT															
				Q02	04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	79.6	mg/L	5	1	D180-03	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D180-03	EMXT	CH2M
					04/24/2006		GENERAL	EPA 160.1	Total dissolved solids	265	mg/L	10	5	D180-03	EMXT	CH2M
					04/24/2006		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D180-03	EMXT	CH2M
					04/24/2006		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Barium	0.0525	mg/L	0.001	0.0005	D180-03	EMXT	CH2M
					04/24/2006		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	D180-03R	EMXT	CH2M
					04/24/2006		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Manganese	0.0022	mg/L	0.001	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D180-03	EMXT	CH2M
					04/24/2006		METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D180-03	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	D180-03	EMXT	CH2M
					04/24/2006	GW	Metals General	SW 6020A	Calcium	37.2	mg/L	1	0.05	D180-03	EMXT	CH2M
					04/24/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D180-03	EMXT	CH2M
					04/24/2006	GW	Metals General	SW 6020A	Magnesium	6.53	mg/L	1	0.05	D180-03	EMXT	CH2M
					04/24/2006	GW	Metals General	SW 6020A	Potassium	2.36	mg/L	1	0.05	D180-03	EMXT	CH2M
					04/24/2006	GW	Metals General	SW 6020A	Sodium	39.9	mg/L	1	0.05	D180-03	EMXT	CH2M
				Q03	07/24/2006	GW	ANION	EPA 300.0	Chloride	34.2	mg/L	2.5	0.5	G152-02	EMXT	CH2M
					07/24/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.17	mg/L	0.5	0.05	G152-02	EMXT	CH2M
					07/24/2006	GW	ANION	EPA 300.0	Sulfate	38.6	mg/L	2.5	1.25	G152-02	EMXT	CH2M
					07/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	91.2	mg/L	5	1	G152-02	EMXT	CH2M
					07/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	91.2	mg/L	5	1	G152-02	EMXT	CH2M
					07/24/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	265	mg/L	10	5	G152-02	EMXT	CH2M
					07/24/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G152-02	EMXT	CH2M
					07/24/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G152-02	EMXT	CH2M
					07/24/2006	GW	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	G152-02	EMXT	CH2M
					07/24/2006	GW	METAL	SW 6020A	Manganese	0.00131	mg/L	0.001	0.0005	G152-02	EMXT	CH2M
					07/24/2006	GW	Metals General	SW 6020A	Calcium	35.9	mg/L	1	0.05	G152-02	EMXT	CH2M
					07/24/2006	GW	Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	G152-02	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-09	DOM/ACT																
				Q03	07/24/2006	GW		Metals General	SW 6020A	Magnesium	6.71	mg/L	1	0.05	G152-02	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Potassium	2.62	mg/L	1	0.05	G152-02	EMXT	CH2M
					07/24/2006	GW		Metals General	SW 6020A	Sodium	36.8	mg/L	1	0.05	G152-02	EMXT	
					07/24/2006	GW	Dup	ANION	EPA 300.0	Chloride	34.8	mg/L	2.5	0.5	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	1.17	mg/L	0.5	0.05	G152-03	EMXT	CH2M
					07/24/2006		Dup	ANION	EPA 300.0	Sulfate	39.1	mg/L	2.5	1.25	G152-03	EMXT	
					07/24/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	93.8	mg/L	5	1	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	93.8	mg/L	5	1	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	245	mg/L	10	5	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	METAL	SW 6020A	Manganese	0.00129	mg/L	0.001	0.0005	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	Metals General	SW 6020A	Calcium	34.9	mg/L	1	0.05	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	Metals General	SW 6020A	Magnesium	6.61	mg/L	1	0.05	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	Metals General	SW 6020A	Potassium	2.55	mg/L	1	0.05	G152-03	EMXT	CH2M
					07/24/2006	GW	Dup	Metals General	SW 6020A	Sodium	36.1	mg/L	1	0.05	G152-03	EMXT	CH2M
				Q04	10/24/2006	GW		ANION	EPA 300.0	Chloride	34.2	mg/L	25	5	J257-01	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	1.09	mg/L	0.5	0.05	J257-01	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Sulfate	43.4	mg/L	25	12.5	J257-01	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	95	mg/L	5	1	J257-01	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	95	mg/L	5	1	J257-01	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	255	mg/L	10	5	J257-01	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J257-01	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J257-01	EMXT	CH2M
					10/24/2006	GW		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	J257-01	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J257-01	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Calcium	35.5	mg/L	1	0.05	J257-01	EMXT	CH2M
			10/24/2006			Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5		J257-01	EMXT	CH2M		
					10/24/2006			Metals General	SW 6020A	Magnesium	6.06	mg/L	1	0.05	J257-01	EMXT	CH2M
					10/24/2006			Metals General		Potassium	2.64	mg/L	1		J257-01	EMXT	
					10/24/2006			Metals General		Sodium	35.1	mg/L	1		J257-01	EMXT	

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-10	DOM/ACT															
				Q01	01/31/2006		ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-06	EMXT	
					01/31/2006	GW	ANION	EPA 300.0	Chloride	45.2	mg/L	5	1	B004-06	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	B004-06	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Sulfate	43.2	mg/L	5	2.5	B004-06	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-06	EMXT	CH2M
					01/31/2006		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	126	mg/L	5	1	B004-06	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	126	mg/L	5	1	B004-06	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-06	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	310	mg/L	10	5	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Arsenic	0.00812	mg/L	0.005	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Barium	0.115	mg/L	0.001		B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951327-00	06 TLI	CH2M
					01/31/2006		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 7199	Hexavalent chromium	0.7	μg/L	0.2	0.0184	951327-00	06 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Manganese	0.00178	mg/L	0.001	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Molybdenum	0.00725	mg/L	0.005	0.001	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-06	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	B004-06	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Calcium	32	mg/L	1	0.05	B004-06	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-06	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Magnesium	6.87	mg/L	1	0.05	B004-06	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Potassium	3.56	mg/L	1	0.05	B004-06	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Sodium	63.4	mg/L	1	0.05	B004-06	EMXT	CH2M
				Q02	04/26/2006	GW	ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D205-03	EMXT	CH2M
					04/26/2006		ANION	EPA 300.0	Chloride	47.2	mg/L	5	1	D205-03	EMXT	
					04/26/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	D205-03	EMXT	
					04/26/2006	GW	ANION	EPA 300.0	Sulfate	44.5	mg/L	5	2.5	D205-03	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D205-03	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	135	mg/L	5	1	D205-03	EMXT	CH2M

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BGS-10	DOM/ACT																
				Q02	04/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	135	mg/L	5	1	D205-03	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D205-03	EMXT	CH2M
					04/26/2006			GENERAL	EPA 160.1	Total dissolved solids	350	mg/L	10	5	D205-03	EMXT	CH2M
					04/26/2006			METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D205-03	EMXT	CH2M
					04/26/2006			METAL	SW 6020A	Arsenic	0.0081	mg/L	0.005	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Barium	0.121	mg/L	0.001	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Chromium	2.19	μg/L	1	0.5	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 7199	Hexavalent chromium	0.88	μg/L	0.2	0.1	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Molybdenum	0.00796	mg/L	0.005	0.001	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D205-03	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	D205-03	EMXT	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Calcium	32.7	mg/L	1	0.05	D205-03	EMXT	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D205-03	EMXT	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Magnesium	7.1	mg/L	1	0.05	D205-03	EMXT	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Potassium	3.45	mg/L	1	0.05	D205-03	EMXT	CH2M
					04/26/2006	GW		Metals General	SW 6020A	Sodium	65	mg/L	1	0.05	D205-03	EMXT	CH2M
				Q03	07/26/2006	GW		ANION	EPA 300.0	Chloride	41.3	mg/L	5	1	G182-03	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G182-03	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Sulfate	36.8	mg/L	5	2.5	G182-03	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-03	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	128	mg/L	5	1	G182-03	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	128	mg/L	5	1	G182-03	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	335	mg/L	10	5	G182-03	<b>EMXT</b>	CH2M
					07/26/2006	GW		METAL	SW 6020A	Arsenic	0.012	mg/L	0.005	0.0005	G182-03	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G182-03	EMXT	CH2M
					07/26/2006	GW		METAL	SW 7199	Hexavalent chromium	0.247 J	μg/L	0.2	0.1	G182-03	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	G182-03	EMXT	CH2M
					07/26/2006			Metals General	SW 6020A	Calcium	26.2	mg/L	1	0.05	G182-03	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	•	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contractor
BGS-10	DOM/ACT																
				Q03	07/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G182-03	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Magnesium	6.31	mg/L	1	0.05	G182-03	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Potassium	3.49	mg/L	1	0.05	G182-03	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Sodium	58.7	mg/L	1	0.05	G182-03	EMXT	CH2M
				Q04	10/24/2006	GW		ANION	EPA 300.0	Chloride	53.7	mg/L	10	2	J257-02	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	J257-02	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Sulfate	51.8	mg/L	10	5	J257-02	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	J257-02	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	J257-02	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	400	mg/L	10	5	J257-02	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Arsenic	0.0063	mg/L	0.005	0.0005	J257-02	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Chromium	2.44	μg/L	1	0.5	J257-02	EMXT	CH2M
					10/24/2006	GW		METAL	SW 7199	Hexavalent chromium	1.37	μg/L	0.2	0.1	J257-02	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J257-02	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Calcium	35.2	mg/L	1	0.05	J257-02	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J257-02	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Magnesium	6.59	mg/L	1	0.05	J257-02	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Potassium	4	mg/L	1	0.05	J257-02	<b>EMXT</b>	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Sodium	61.9	mg/L	1	0.05	J257-02	<b>EMXT</b>	CH2M

Notes:

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-12	DOM/ACT	86-246														
				Q01	01/30/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	A174-02	EMXT	CH2M
					01/30/2006	GW	ANION	EPA 300.0	Chloride	51.8	mg/L	5	1	A174-02	EMXT	CH2M
					01/30/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	5.7	mg/L	2.5	0.25	A174-02	EMXT	CH2M
					01/30/2006	GW	ANION	EPA 300.0	Sulfate	74.1	mg/L	2.5	1.25	A174-02	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	A174-02	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	185	mg/L	5	1	A174-02	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	185	mg/L	5	1	A174-02	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	A174-02	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	465	mg/L	10	5	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Barium	0.118	mg/L	0.001	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951265-00	02 TLI	CH2M
					01/30/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 7199	Hexavalent chromium	0.224	μg/L	0.2	0.0184	951265-00	02 TLI	CH2M
					01/30/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Manganese	0.0062	mg/L	0.001	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	A174-02	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Zinc	0.062	mg/L	0.02	0.005	A174-02	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Calcium	72.8	mg/L	1	0.05	A174-02	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	A174-02	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Magnesium	13.2	mg/L	1	0.05	A174-02	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Potassium	3.29	mg/L	1	0.05	A174-02	EMXT	CH2M
					01/30/2006		Metals General	SW 6020A	Sodium	60.4	mg/L	1	0.05	A174-02	EMXT	CH2M
				Q02	04/24/2006	GW	ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D180-04	EMXT	CH2M
					04/24/2006	GW	ANION	EPA 300.0	Chloride	56.7	mg/L	5	1	D180-04	EMXT	CH2M
					04/24/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	5.83	mg/L	2.5	0.25	D180-04	EMXT	CH2M
					04/24/2006	GW	ANION	EPA 300.0	Sulfate	76.9	mg/L	2.5	1.25	D180-04	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D180-04	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	203	mg/L	5	1	D180-04	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-12	DOM/ACT	86-246															
				Q02	04/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	203	mg/L	5	1	D180-04	EMXT	CH2M
					04/24/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D180-04	EMXT	CH2M
					04/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	480	mg/L	10	5	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Barium	0.134	mg/L	0.001	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 7199	Hexavalent chromium	0.457	μg/L	0.2	0.1	D180-04R	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Manganese	0.00475	mg/L	0.001	0.0005	D180-04	EMXT	CH2M
					04/24/2006			METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D180-04	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D180-04	EMXT	CH2M
					04/24/2006			METAL	SW 6020A	Zinc	0.0462	mg/L	0.02	0.005	D180-04	EMXT	CH2M
					04/24/2006			Metals General		Calcium	79.9	mg/L	1	0.05	D180-04	EMXT	CH2M
					04/24/2006			Metals General		Iron	ND <0.5	mg/L	0.5		D180-04	EMXT	
					04/24/2006			Metals General		Magnesium	13.8	mg/L	1		D180-04	EMXT	
					04/24/2006			Metals General		Potassium	3.03	mg/L	1		D180-04	EMXT	
					04/24/2006			Metals General		Sodium	63.2	mg/L	1		D180-04	EMXT	
				Q03	07/24/2006	GW		ANION	EPA 300.0	Chloride	61.5	mg/L	5	1	G152-06	EMXT	CH2M
					07/24/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	6.14	mg/L	2.5	0.25	G152-06	EMXT	CH2M
					07/24/2006	GW		ANION	EPA 300.0	Sulfate	82.8	mg/L	2.5	1.25	G152-06	EMXT	CH2M
					07/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	196	mg/L	5	1	G152-06	EMXT	CH2M
					07/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	196	mg/L	5	1	G152-06	EMXT	CH2M
					07/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	505	mg/L	10	5	G152-06	EMXT	CH2M
					07/24/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G152-06	EMXT	CH2M
					07/24/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G152-06	EMXT	CH2M
					07/24/2006			METAL	SW 7199	Hexavalent chromium	0.445	μg/L	0.2		G152-06	EMXT	CH2M
					07/24/2006			METAL	SW 6020A	Manganese	0.00219	mg/L	0.001		G152-06	EMXT	
					07/24/2006			Metals General		Calcium	80.4	mg/L	1		G152-06	EMXT	
					07/24/2006			Metals General		Iron	ND <0.5	mg/L	0.5		G152-06		CH2M

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Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-12	DOM/ACT	86-246														
				Q03	07/24/2006	GW	Metals General	SW 6020A	Magnesium	14.7	mg/L	1	0.05	G152-06	EMXT	CH2M
					07/24/2006	GW	Metals General	SW 6020A	Potassium	3.46	mg/L	1	0.05	G152-06	EMXT	CH2M
					07/24/2006	GW	Metals General	SW 6020A	Sodium	64.2	mg/L	1	0.05	G152-06	EMXT	CH2M
				Q04	10/23/2006	GW	ANION	EPA 300.0	Chloride	56.2	mg/L	5	1	J236-06	EMXT	CH2M
					10/23/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	5.9	mg/L	0.5	0.05	J236-06	EMXT	CH2M
					10/23/2006	GW	ANION	EPA 300.0	Sulfate	74.2	mg/L	5	2.5	J236-06	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	185	mg/L	5	1	J236-06	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	185	mg/L	5	1	J236-06	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	425	mg/L	10	5	J236-06	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J236-06	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J236-06	EMXT	CH2M
					10/23/2006	GW	METAL	SW 7199	Hexavalent chromium	0.335 J	μg/L	0.2	0.1	J236-06	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-06	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Calcium	76.3	mg/L	1	0.05	J236-06	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J236-06	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Magnesium	13	mg/L	1	0.05	J236-06	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Potassium	3.36	mg/L	1	0.05	J236-06	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Sodium	60.2	mg/L	1	0.05	J236-06	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-13	AGR/ACT															
				Q01	01/31/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-04	EMXT	
					01/31/2006	GW	ANION	EPA 300.0	Chloride	73.9	mg/L	5	1	B004-04	EMXT	Г СН2М
					01/31/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	12.6	mg/L	5	0.5	B004-04	EMXT	Г СН2М
					01/31/2006	GW	ANION	EPA 300.0	Sulfate	78.2	mg/L	5	2.5	B004-04	EMXT	Г СН2М
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-04	EMXT	Г СН2М
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	280	mg/L	5	1	B004-04	EMXT	Г СН2М
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	280	mg/L	5	1	B004-04	EMXT	Г СН2М
					01/31/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-04	EMXT	Г СН2М
					01/31/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	625	mg/L	10	5	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Barium	0.169	mg/L	0.001		B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951327-0	04 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 7199	Hexavalent chromium	0.208	μg/L	0.2	0.0184	951327-0	04 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Manganese	0.0481	mg/L	0.001	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Zinc	0.519	mg/L	0.02	0.005	B004-04	EMXT	Г СН2М
					01/31/2006	GW	Metals General	SW 6020A	Calcium	99.3	mg/L	1	0.05	B004-04	EMXT	Г СН2М
					01/31/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-04	EMXT	Г СН2М
					01/31/2006	GW	Metals General	SW 6020A	Magnesium	18.3	mg/L	1	0.05	B004-04	EMXT	Г СН2М
					01/31/2006	GW	Metals General	SW 6020A	Potassium	4.24	mg/L	1	0.05	B004-04	EMXT	Г СН2М
					01/31/2006	GW	Metals General	SW 6020A	Sodium	76.7	mg/L	1	0.05	B004-04	EMXT	Γ CH2M
				Q02	04/27/2006	GW	ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D215-01	EMXT	Г СН2М
					04/27/2006	GW	ANION	EPA 300.0	Chloride	71.7	mg/L	5	1	D215-01	EMXT	Г СН2М
					04/27/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	12.1	mg/L	2.5	0.25	D215-01	EMXT	Г СН2М
					04/27/2006	GW	ANION	EPA 300.0	Sulfate	79.9	mg/L	2.5	1.25	D215-01	EMXT	Г СН2М
					04/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D215-01	EMXT	Г СН2М
					04/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	288	mg/L	5	1	D215-01	EMXT	Г СН2М

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contract
BGS-13	AGR/ACT																
				Q02	04/27/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	288	mg/L	5	1	D215-01	EMXT	CH2M
					04/27/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D215-01	EMXT	CH2M
					04/27/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	660	mg/L	10	5	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Barium	0.19	mg/L	0.001	0.0005	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 7199	Hexavalent chromium	0.223	μg/L	0.2	0.1	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Manganese	0.00876	mg/L	0.001	0.0005	D215-01	EMXT	CH2M
					04/27/2006			METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D215-01	EMXT	CH2M
					04/27/2006			METAL	SW 6020A	Molybdenum	ND <0.005	mg/L	0.005	0.001	D215-01	EMXT	CH2M
					04/27/2006	GW		METAL	SW 6020A	Nickel	ND <0.02	mg/L	0.02	0.0005	D215-01	EMXT	CH2M
					04/27/2006			METAL	SW 6020A	Selenium	ND <0.001	mg/L	0.001		D215-01	EMXT	CH2M
					04/27/2006			METAL	SW 6020A	Thallium	ND <0.001	mg/L	0.001		D215-01	EMXT	
					04/27/2006			METAL	SW 6020A	Zinc	0.185	mg/L	0.02		D215-01	EMXT	
					04/27/2006			Metals General		Calcium	109	mg/L	1		D215-01	EMXT	
					04/27/2006			Metals General		Iron	ND <0.5	mg/L	0.5		D215-01	EMXT	
					04/27/2006			Metals General		Magnesium	19.3	mg/L	1		D215-01	EMXT	
					04/27/2006			Metals General		Potassium	4.46	mg/L	1		D215-01	EMXT	
					04/27/2006			Metals General		Sodium	81.9	mg/L	1		D215-01	EMXT	
				Q03	07/25/2006	GW		ANION	EPA 300.0	Chloride	76.2	mg/L	10	2	G165-01	EMXT	CH2M
					07/25/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	14.2	mg/L	5	0.5	G165-01	EMXT	CH2M
					07/25/2006	GW		ANION	EPA 300.0	Sulfate	71.7	mg/L	10	5	G165-01	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-01	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	224	mg/L	5	1	G165-01	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	224	mg/L	5	1	G165-01	EMXT	CH2M
					07/25/2006			GENERAL	EPA 160.1	Total dissolved solids	575	mg/L	10	5	G165-01	EMXT	CH2M
					07/25/2006			METAL	SW 6020A	Arsenic	ND <0.005	mg/L	0.005		G165-01	EMXT	CH2M
					07/25/2006			METAL	SW 6020A	Chromium	ND <1	μg/L	1		G165-01	EMXT	
					07/25/2006			METAL	SW 7199	Hexavalent chromium	0.307	μg/L	0.2		G165-01	EMXT	
					07/25/2006			METAL	SW 6020A	Manganese	ND <0.01	mg/L	0.01		G165-01	EMXT	
					07/25/2006			Metals General		Calcium	89.3	mg/L	1		G165-01		CH2M

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Sample Matrix: GW = Groundwater

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contractor
			<del></del>					<del>-</del>									
BGS-13	AGR/ACT																
				Q03	07/25/2006	GW	N	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-01	EMXT	CH2M
					07/25/2006	GW	N	Metals General	SW 6020A	Magnesium	16.4	mg/L	1	0.05	G165-01	EMXT	CH2M
					07/25/2006	GW	N	Metals General	SW 6020A	Potassium	4.33	mg/L	1	0.05	G165-01	EMXT	CH2M
					07/25/2006	GW	N	Metals General	SW 6020A	Sodium	75.5	mg/L	1	0.05	G165-01	EMXT	CH2M

Notes:

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-14	DOM/ACT	80-195														
				Q01	01/31/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-07	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Chloride	37.6	mg/L	2.5	0.5	B004-07	EMXT	CH2M
					01/31/2006		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	B004-07	EMXT	CH2M
					01/31/2006		ANION	EPA 300.0	Sulfate	41.6	mg/L	2.5	1.25	B004-07	EMXT	
					01/31/2006		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-07	EMXT	
					01/31/2006		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	131	mg/L	5	1	B004-07	EMXT	CH2M
					01/31/2006		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	131	mg/L	5	1	B004-07	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-07	EMXT	CH2M
					01/31/2006		GENERAL	EPA 160.1	Total dissolved solids	305	mg/L	10	5	B004-07	EMXT	CH2M
					01/31/2006		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-07	EMXT	CH2M
					01/31/2006		METAL	SW 6020A	Arsenic	0.0185	mg/L	0.005	0.0005	B004-07	EMXT	
					01/31/2006		METAL	SW 6020A	Barium	0.0873	mg/L	0.001	0.0005	B004-07	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-07	EMXT	CH2M
					01/31/2006		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-07	EMXT	CH2M
					01/31/2006		METAL	SW 6020A	Chromium	ND <1	μg/L	1		951327-0	07 TLI	CH2M
					01/31/2006		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-07	EMXT	CH2M
					01/31/2006		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01		B004-07	EMXT	
					01/31/2006		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.0184	951327-0	07 TLI	CH2M
					01/31/2006		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-07	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Manganese	0.0166	mg/L	0.001	0.0005	B004-07	EMXT	CH2M
					01/31/2006		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-07	EMXT	CH2M
					01/31/2006		METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	B004-07	EMXT	CH2M
					01/31/2006		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-07	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-07	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-07	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Zinc	0.108	mg/L	0.02	0.005	B004-07	EMXT	CH2M
					01/31/2006		Metals General	SW 6020A	Calcium	35.3	mg/L	1	0.05	B004-07	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-07	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Magnesium	7.57	mg/L	1	0.05	B004-07	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Potassium	2.35	mg/L	1	0.05	B004-07	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Sodium	52.6	mg/L	1	0.05	B004-07	EMXT	CH2M
				Q02	04/26/2006		ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5		D205-05	EMXT	
					04/26/2006		ANION	EPA 300.0	Chloride	39.2	mg/L	2.5		D205-05	EMXT	
					04/26/2006		ANION	EPA 300.0	Nitrate as Nitrogen	ND <0.5	mg/L	0.5		D205-05	EMXT	
					04/26/2006		ANION	EPA 300.0	Sulfate	42.5	mg/L	2.5		D205-05	EMXT	
					04/26/2006		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5		D205-05	EMXT	
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	135	mg/L	5	1	D205-05	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-14	DOM/ACT	80-195															
				Q02	04/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	135	mg/L	5	1	D205-05	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D205-05	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	355	mg/L	10	5	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Arsenic	0.0174	mg/L	0.005	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Barium	0.0909	mg/L	0.001	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 7199	Hexavalent chromium	0.211	μg/L	0.2	0.1	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Manganese	0.0073	mg/L	0.001	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Selenium	ND <0.001	mg/L	0.001	0.0005	D205-05	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Thallium	ND <0.001	mg/L	0.001	0.0005	D205-05	EMXT	CH2M
					04/26/2006			METAL	SW 6020A	Zinc	0.0566	mg/L	0.02	0.005	D205-05	EMXT	CH2M
					04/26/2006			Metals General		Calcium	33.6	mg/L	1		D205-05	EMXT	CH2M
					04/26/2006			Metals General		Iron	ND <0.5	mg/L	0.5		D205-05	EMXT	
					04/26/2006			Metals General		Magnesium	7.53	mg/L	1		D205-05	EMXT	
					04/26/2006			Metals General		Potassium	2.06	mg/L	1		D205-05	EMXT	
					04/26/2006			Metals General		Sodium	50.3	mg/L	1		D205-05	EMXT	
				Q03	07/26/2006	GW		ANION	EPA 300.0	Chloride	38.7	mg/L	2.5	0.5	G182-05	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G182-05	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Sulfate	41.5	mg/L	2.5	1.25	G182-05	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-05	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	G182-05	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	G182-05	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	340	mg/L	10	5	G182-05	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Arsenic	0.0196	mg/L	0.005	0.0005	G182-05	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G182-05	EMXT	CH2M
					07/26/2006			METAL	SW 7199	Hexavalent chromium	0.223 J	μg/L	0.2	0.1	G182-05	EMXT	
					07/26/2006			METAL	SW 6020A	Manganese	0.00415	mg/L	0.001	0.0005	G182-05	EMXT	CH2M
					07/26/2006			Metals General		Calcium	34.4	mg/L	1		G182-05	FMXT	CH2M

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contractor
BGS-14	DOM/ACT	80-195														
				Q03	07/26/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G182-05	EMXT	CH2M
					07/26/2006	GW	Metals General	SW 6020A	Magnesium	7.59	mg/L	1	0.05	G182-05	EMXT	CH2M
					07/26/2006	GW	Metals General	SW 6020A	Potassium	2.25	mg/L	1	0.05	G182-05	EMXT	CH2M
					07/26/2006	GW	Metals General	SW 6020A	Sodium	49.9	mg/L	1	0.05	G182-05	EMXT	CH2M
				Q04	10/23/2006	GW	ANION	EPA 300.0	Chloride	39.4	mg/L	10	2	J236-09	EMXT	CH2M
					10/23/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	J236-09	EMXT	CH2M
					10/23/2006	GW	ANION	EPA 300.0	Sulfate	44.2	mg/L	10	5	J236-09	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	J236-09	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	J236-09	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	335	mg/L	10	5	J236-09	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Arsenic	0.0205	mg/L	0.005	0.0005	J236-09	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J236-09	EMXT	CH2M
					10/23/2006	GW	METAL	SW 7199	Hexavalent chromium	0.216	μg/L	0.2	0.1	J236-09	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-09	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Calcium	36.8	mg/L	1	0.05	J236-09	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J236-09	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Magnesium	7.47	mg/L	1	0.05	J236-09	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Potassium	2.34	mg/L	1	0.05	J236-09	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Sodium	52.1	mg/L	1	0.05	J236-09	<b>EMXT</b>	CH2M

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		•	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-15	DOM/ACT	90-120															
				Q01	01/31/2006	GW		ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-08	EMXT	CH2M
					01/31/2006			ANION	EPA 300.0	Chloride	131	mg/L	10	2	B004-08	EMXT	CH2M
					01/31/2006			ANION	EPA 300.0	Nitrate as Nitrogen	1.52	mg/L	0.5	0.05	B004-08	EMXT	CH2M
					01/31/2006			ANION	EPA 300.0	Sulfate	119	mg/L	10	5	B004-08	EMXT	CH2M
					01/31/2006			GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-08	EMXT	CH2M
					01/31/2006			GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	116	mg/L	5	1	B004-08	EMXT	CH2M
					01/31/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	116	mg/L	5	1	B004-08	EMXT	CH2M
					01/31/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-08	EMXT	CH2M
					01/31/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	580	mg/L	10	5	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Arsenic	0.011	mg/L	0.005	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Barium	0.069	mg/L	0.001	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951327-00	8 TLI	CH2M
					01/31/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-08	EMXT	CH2M
					01/31/2006			METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.0184	951327-00	8 TLI	CH2M
					01/31/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Manganese	0.00382	mg/L	0.001	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Molybdenum	0.012	mg/L	0.005	0.001	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-08	EMXT	CH2M
					01/31/2006	GW		METAL	SW 6020A	Zinc	0.0706	mg/L	0.02	0.005	B004-08	EMXT	CH2M
					01/31/2006	GW		Metals Gener	al SW 6020A	Calcium	60.4	mg/L	1	0.05	B004-08	EMXT	CH2M
					01/31/2006	GW		Metals Gener	al SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-08	EMXT	CH2M
					01/31/2006	GW		Metals Gener	al SW 6020A	Magnesium	14	mg/L	1	0.05	B004-08	EMXT	CH2M
					01/31/2006	GW		Metals Gener	al SW 6020A	Potassium	4.45	mg/L	1	0.05	B004-08	EMXT	CH2M
					01/31/2006	GW		Metals Gener	al SW 6020A	Sodium	116	mg/L	1	0.05	B004-08	EMXT	CH2M
					01/31/2006	GW	Dup	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	ANION	EPA 300.0	Chloride	129	mg/L	10	2	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	1.52	mg/L	0.5	0.05	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	ANION	EPA 300.0	Sulfate	120	mg/L	10	5	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-09	EMXT	CH2M
					01/31/2006		Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	112	mg/L	5	1	B004-09	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	e Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-15	DOM/ACT	90-120															
	•			Q01	01/31/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	112	mg/L	5	1	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	565	mg/L	10	5	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.0108	mg/L	0.005	0.0005	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Barium	0.0655	mg/L	0.001	0.0005	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951327-00	9 TLI	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.0184	951327-00	9 TLI	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-09	EMXT	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Manganese	0.00399	mg/L	0.001	0.0005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Molybdenum	0.0111	mg/L	0.005	0.001	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	METAL	SW 6020A	Zinc	0.0602	mg/L	0.02	0.005	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	Metals General	SW 6020A	Calcium	56.2	mg/L	1	0.05	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	Metals General	SW 6020A	Magnesium	13.1	mg/L	1	0.05	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	Metals General	SW 6020A	Potassium	4.21	mg/L	1	0.05	B004-09	<b>EMXT</b>	CH2M
					01/31/2006	GW	Dup	Metals General	SW 6020A	Sodium	109	mg/L	1	0.05	B004-09	EMXT	CH2M
				Q02	04/26/2006	GW		ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D205-04	EMXT	CH2M
					04/26/2006	GW		ANION	EPA 300.0	Chloride	130	mg/L	10	2	D205-04	EMXT	CH2M
					04/26/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	0.936	mg/L	0.5	0.05	D205-04	EMXT	CH2M
					04/26/2006	GW		ANION	EPA 300.0	Sulfate	127	mg/L	10	5	D205-04	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D205-04	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	118	mg/L	5	1	D205-04	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	118	mg/L	5	1	D205-04	<b>EMXT</b>	CH2M
					04/26/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D205-04	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	640	mg/L	10	5	D205-04	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Arsenic	0.0124	mg/L	0.005	0.0005	D205-04	<b>EMXT</b>	CH2M
					04/26/2006	GW		METAL	SW 6020A	Barium	0.0623	mg/L	0.001	0.0005	D205-04	EMXT	CH2M

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contract
BGS-15	DOM/ACT	90-120														
				Q02	04/26/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Manganese	0.00384	mg/L	0.001	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Molybdenum	0.0143	mg/L	0.005	0.001	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D205-04	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Zinc	0.0451	mg/L	0.02	0.005	D205-04	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Calcium	55.5	mg/L	1	0.05	D205-04	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D205-04	EMXT	CH2N
					04/26/2006	GW	Metals General	SW 6020A	Magnesium	13.9	mg/L	1	0.05	D205-04	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Potassium	4.2	mg/L	1	0.05	D205-04	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Sodium	117	mg/L	1	0.05	D205-04	EMXT	CH2M
				Q03	07/25/2006	GW	ANION	EPA 300.0	Chloride	130	mg/L	10	2	G165-11	EMXT	CH2M
					07/25/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	0.791	mg/L	0.5	0.05	G165-11	EMXT	CH2M
					07/25/2006	GW	ANION	EPA 300.0	Sulfate	129	mg/L	10	5	G165-11	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-11	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	117	mg/L	5	1	G165-11	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	117	mg/L	5	1	G165-11	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	630	mg/L	10	5	G165-11	EMXT	CH2M
					07/25/2006	GW	METAL	SW 6020A	Arsenic	0.0133	mg/L	0.005	0.0005	G165-11	EMXT	CH2M
					07/25/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G165-11	EMXT	CH2M
					07/25/2006	GW	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	G165-11	EMXT	CH2M
					07/25/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	G165-11	EMXT	CH2M
					07/25/2006	GW	Metals General	SW 6020A	Calcium	51.1	mg/L	1	0.05	G165-11	EMXT	CH2M
					07/25/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-11	EMXT	CH2M
					07/25/2006	GW	Metals General	SW 6020A	Magnesium	12.9	mg/L	1	0.05	G165-11	EMXT	CH2M
					07/25/2006	GW	Metals General	SW 6020A	Potassium	4.3	mg/L	1	0.05	G165-11	EMXT	CH2M
					07/25/2006	GW	Metals General	SW 6020A	Sodium	108	mg/L	1	0.05	G165-11	EMXT	CH2M
				Q04	10/23/2006	GW	ANION	EPA 300.0	Chloride	132	mg/L	10	2	J236-07	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contractor
BGS-15	DOM/ACT	90-120															
				Q04	10/23/2006	GW	,	ANION	EPA 300.0	Nitrate as Nitrogen	0.901	mg/L	0.5	0.05	J236-07	EMXT	CH2M
					10/23/2006	GW	,	ANION	EPA 300.0	Sulfate	131	mg/L	10	5	J236-07	<b>EMXT</b>	CH2M
					10/23/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	115	mg/L	5	1	J236-07	EMXT	CH2M
					10/23/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	115	mg/L	5	1	J236-07	EMXT	CH2M
					10/23/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	580	mg/L	10	5	J236-07	EMXT	CH2M
					10/23/2006	GW	1	METAL	SW 6020A	Arsenic	0.0132	mg/L	0.005	0.0005	J236-07	EMXT	CH2M
					10/23/2006	GW	1	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	J236-07	EMXT	CH2M
					10/23/2006	GW	1	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	J236-07	EMXT	CH2M
					10/23/2006	GW	1	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-07	EMXT	CH2M
					10/23/2006	GW	1	Metals General	SW 6020A	Calcium	54.2	mg/L	1	0.05	J236-07	EMXT	CH2M
					10/23/2006	GW	1	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J236-07	EMXT	CH2M
					10/23/2006	GW	1	Metals General	SW 6020A	Magnesium	12.6	mg/L	1	0.05	J236-07	EMXT	CH2M
					10/23/2006	GW	1	Metals General	SW 6020A	Potassium	4.4	mg/L	1	0.05	J236-07	EMXT	CH2M
					10/23/2006	GW	1	Metals General	SW 6020A	Sodium	110	mg/L	1	0.05	J236-07	EMXT	CH2M

Notes:

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Sample Matrix: GW = Groundwater

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-16	DOM/ACT	100-200														
				Q01	01/31/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-02	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Chloride	132	mg/L	25	5	B004-02	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.66	mg/L	0.5	0.05	B004-02	EMXT	CH2M
					01/31/2006	GW	ANION	EPA 300.0	Sulfate	187	mg/L	25	12.5	B004-02	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-02	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	116	mg/L	5	1	B004-02	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	116	mg/L	5	1	B004-02	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-02	EMXT	CH2M
					01/31/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	750	mg/L	10	5	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Arsenic	0.00602	mg/L	0.005	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Barium	0.0633	mg/L	0.001	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Chromium	1.36	μg/L	1	0.075	951327-0	02 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 7199	Hexavalent chromium	1.35	μg/L	0.2	0.0184	951327-0	02 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Molybdenum	0.00531	mg/L	0.005	0.001	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-02	EMXT	CH2M
					01/31/2006	GW	METAL	SW 6020A	Zinc	0.0301	mg/L	0.02	0.005	B004-02	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Calcium	85.9	mg/L	1	0.05	B004-02	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B004-02	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Magnesium	16.4	mg/L	1	0.05	B004-02	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Potassium	5.64	mg/L	1	0.05	B004-02	EMXT	CH2M
					01/31/2006	GW	Metals General	SW 6020A	Sodium	103	mg/L	1	0.05	B004-02	EMXT	CH2M
				Q02	04/24/2006	GW	ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D180-02	EMXT	CH2M
					04/24/2006	GW	ANION	EPA 300.0	Chloride	140	mg/L	10	2	D180-02	EMXT	
					04/24/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.59	mg/L	0.5	0.05	D180-02	EMXT	CH2M
					04/24/2006	GW	ANION	EPA 300.0	Sulfate	185	mg/L	10	5	D180-02	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D180-02	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	118	mg/L	5	1	D180-02	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-16	DOM/ACT	100-200														
				Q02	04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	118	mg/L	5	1	D180-02	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D180-02	EMXT	CH2M
					04/24/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	735	mg/L	10	5	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Arsenic	0.00672	mg/L	0.005	0.0005	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Barium	0.0662	mg/L	0.001	0.0005	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Chromium	2.05	μg/L	1	0.5	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 7199	Hexavalent chromium	1.77	μg/L	0.2	0.1	D180-02R	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Manganese	0.00144	mg/L	0.001	0.0005	D180-02	EMXT	CH2M
					04/24/2006		METAL	EPA 7470A	Mercury	ND <0.5	μg/L	0.5		D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Molybdenum	0.00629	mg/L	0.005	0.001	D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Nickel	ND <0.02	mg/L	0.02	0.0005	D180-02	EMXT	CH2M
					04/24/2006		METAL	SW 6020A	Selenium	ND <0.001	mg/L	0.001		D180-02	EMXT	CH2M
					04/24/2006	GW	METAL	SW 6020A	Thallium	ND <0.001	mg/L	0.001	0.0005	D180-02	EMXT	CH2M
					04/24/2006		METAL	SW 6020A	Zinc	0.0348	mg/L	0.02		D180-02	EMXT	
					04/24/2006		Metals General		Calcium	87.7	mg/L	1		D180-02	EMXT	
					04/24/2006		Metals General		Iron	ND <0.5	mg/L	0.5		D180-02	EMXT	
					04/24/2006		Metals General		Magnesium	15.8	mg/L	1		D180-02	EMXT	
					04/24/2006		Metals General		Potassium	5.49	mg/L	1		D180-02	EMXT	
					04/24/2006		Metals General		Sodium	106	mg/L	1		D180-02	EMXT	
				Q03	07/25/2006	GW	ANION	EPA 300.0	Chloride	131	mg/L	10	2	G165-06	EMXT	CH2M
					07/25/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.53	mg/L	0.5	0.05	G165-06	EMXT	CH2M
					07/25/2006	GW	ANION	EPA 300.0	Sulfate	171	mg/L	10	5	G165-06	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-06	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	123	mg/L	5	1	G165-06	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	123	mg/L	5	1	G165-06	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	710	mg/L	10	5	G165-06	EMXT	CH2M
					07/25/2006	GW	METAL	SW 6020A	Arsenic	0.00716	mg/L	0.005	0.0005	G165-06	EMXT	CH2M
					07/25/2006		METAL	SW 6020A	Chromium	1.77	μg/L	1	0.5	G165-06	EMXT	CH2M
					07/25/2006		METAL	SW 7199	Hexavalent chromium	1.45	μg/L	0.2		G165-06	EMXT	
					07/25/2006		METAL	SW 6020A	Manganese	ND <0.01	mg/L	0.01		G165-06	EMXT	
					07/25/2006		Metals General		Calcium	76.7	mg/L	1		G165-06		CH2M

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Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	•	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-16	DOM/ACT	100-200															
				Q03	07/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-06	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Magnesium	14.7	mg/L	1	0.05	G165-06	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Potassium	5.58	mg/L	1	0.05	G165-06	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Sodium	93.7	mg/L	1	0.05	G165-06	EMXT	CH2M
				Q04	10/23/2006	GW		ANION	EPA 300.0	Chloride	131	mg/L	50	10	J236-08	EMXT	CH2M
					10/23/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	1.58	mg/L	0.5	0.05	J236-08	EMXT	CH2M
					10/23/2006	GW		ANION	EPA 300.0	Sulfate	181	mg/L	50	25	J236-08	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	113	mg/L	5	1	J236-08	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	113	mg/L	5	1	J236-08	EMXT	CH2M
					10/23/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	685	mg/L	10	5	J236-08	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Arsenic	0.0079	mg/L	0.005	0.0005	J236-08	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Chromium	1.77	μg/L	1	0.5	J236-08	<b>EMXT</b>	CH2M
					10/23/2006	GW		METAL	SW 7199	Hexavalent chromium	1.66	μg/L	0.2	0.1	J236-08	EMXT	CH2M
					10/23/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-08	<b>EMXT</b>	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Calcium	80.2	mg/L	1	0.05	J236-08	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J236-08	<b>EMXT</b>	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Magnesium	14.7	mg/L	1	0.05	J236-08	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Potassium	5.83	mg/L	1	0.05	J236-08	EMXT	CH2M
					10/23/2006	GW		Metals General	SW 6020A	Sodium	95.7	mg/L	1	0.05	J236-08	EMXT	CH2M

Notes:

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-18	DOM/ACT																
				Q01	02/01/2006			ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B015-01	EMXT	
					02/01/2006	GW		ANION	EPA 300.0	Chloride	214	mg/L	25	5	B015-01	EMXT	Γ CH2M
					02/01/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	9.14	mg/L	2.5	0.25	B015-01	EMXT	Γ CH2M
					02/01/2006	GW		ANION	EPA 300.0	Sulfate	269	mg/L	25	12.5	B015-01	EMXT	Γ CH2M
					02/01/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B015-01	EMXT	Γ CH2M
					02/01/2006			GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	190	mg/L	5		B015-01	EMXT	Γ CH2M
					02/01/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	190	mg/L	5	1	B015-01	EMXT	Γ CH2M
					02/01/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B015-01	EMXT	CH2M
					02/01/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	1150	mg/L	10	5	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 6020A	Arsenic	0.00956	mg/L	0.005	0.0005	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 6020A	Barium	0.0441	mg/L	0.001	0.0005	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 6020A	Chromium	1.53	μg/L	1	0.075	951368-00	)1 TLI	CH2M
					02/01/2006			METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B015-01	EMXT	CH2M
					02/01/2006			METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 7199	Hexavalent chromium	1.75	μg/L	0.2	0.0184	951368-00	1 TLI	CH2M
					02/01/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 6020A	Manganese	0.00112	mg/L	0.001	0.0005	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	EPA 7470A	Mercury	0.602	μg/L	0.5	0.1	B015-01	EMXT	CH2M
					02/01/2006	GW		METAL	SW 6020A	Molybdenum	0.032	mg/L	0.005	0.001	B015-01	EMXT	Г СН2М
					02/01/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B015-01	EMXT	Г СН2М
					02/01/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B015-01	EMXT	Г СН2М
					02/01/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B015-01	EMXT	Г СН2М
					02/01/2006	GW		METAL	SW 6020A	Zinc	0.106	mg/L	0.02	0.005	B015-01	EMXT	CH2M
					02/01/2006	GW		Metals General	SW 6020A	Calcium	54.8	mg/L	1	0.05	B015-01	EMXT	Г СН2М
					02/01/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B015-01	EMXT	Г СН2М
					02/01/2006	GW		Metals General	SW 6020A	Magnesium	25.4	mg/L	1	0.05	B015-01	EMXT	Г СН2М
					02/01/2006	GW		Metals General	SW 6020A	Potassium	5.82	mg/L	1	0.05	B015-01	EMXT	Г СН2М
					02/01/2006	GW		Metals General	SW 6020A	Sodium	235	mg/L	1	0.05	B015-01	EMXT	CH2M
				Q02	04/25/2006			ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D191-03	EMXT	Г СН2М
					04/25/2006			ANION	EPA 300.0	Chloride	201	mg/L	25		D191-03	EMXT	
					04/25/2006			ANION	EPA 300.0	Nitrate as Nitrogen	8.72	mg/L	2.5	0.25	D191-03	EMXT	
					04/25/2006	GW		ANION	EPA 300.0	Sulfate	219	mg/L	25	12.5	D191-03	EMXT	CH2M
					04/25/2006			GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D191-03	EMXT	CH2M
					04/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	198	mg/L	5	1	D191-03	EMXT	CH2M

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BGS-18	DOM/ACT															
				Q02	04/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	198	mg/L	5	1	D191-03	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D191-03	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	2390	mg/L	10	5	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Arsenic	0.00902	mg/L	0.005	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Barium	0.0454	mg/L	0.001	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Chromium	1.91	μg/L	1	0.5	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 7199	Hexavalent chromium	1.61	μg/L	0.2	0.1	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	EPA 7470A	Mercury	0.587	μg/L	0.5	0.1	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Molybdenum	0.0292	mg/L	0.005	0.001	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D191-03	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Zinc	0.0399 J	mg/L	0.02	0.005	D191-03	EMXT	CH2M
					04/25/2006		Metals General		Calcium	57.4	mg/L	1	0.05	D191-03	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	D191-03	EMXT	CH2M
					04/25/2006		Metals General	SW 6020A	Magnesium	27.4	mg/L	1	0.05	D191-03	EMXT	CH2M
					04/25/2006		Metals General	SW 6020A	Potassium	5.63	mg/L	1	0.05	D191-03	EMXT	CH2M
					04/25/2006		Metals General	SW 6020A	Sodium	239	mg/L	1		D191-03	EMXT	
				Q03	07/25/2006	GW	ANION	EPA 300.0	Chloride	223	mg/L	20	4	G165-07	EMXT	CH2M
					07/25/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	8.3	mg/L	2.5	0.25	G165-07	EMXT	CH2M
					07/25/2006	GW	ANION	EPA 300.0	Sulfate	217	mg/L	20	10	G165-07	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-07	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	197	mg/L	5	1	G165-07	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	197	mg/L	5	1	G165-07	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	1040	mg/L	10	5	G165-07	EMXT	CH2M
					07/25/2006	GW	METAL	SW 6020A	Arsenic	0.00665	mg/L	0.005	0.0005	G165-07	EMXT	CH2M
					07/25/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G165-07	EMXT	CH2M
					07/25/2006		METAL	SW 7199	Hexavalent chromium	0.27	μg/L	0.2	0.1	G165-07	EMXT	
					07/25/2006		METAL	SW 6020A	Manganese	0.197	mg/L	0.01	0.0005	G165-07	EMXT	CH2M
					07/25/2006		Metals General		Calcium	49.5	mg/L	1		G165-07	FMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-18	DOM/ACT																
				Q03	07/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-07	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Magnesium	24.6	mg/L	1	0.05	G165-07	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Potassium	5.97	mg/L	1	0.05	G165-07	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Sodium	224	mg/L	1	0.05	G165-07	EMXT	CH2M
				Q04	10/24/2006	GW		ANION	EPA 300.0	Chloride	201	mg/L	25	5	J257-09	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	7.23	mg/L	2.5	0.25	J257-09	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Sulfate	225	mg/L	25	12.5	J257-09	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	180	mg/L	5	1	J257-09	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	180	mg/L	5	1	J257-09	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	975	mg/L	10	5	J257-09	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Arsenic	0.00821	mg/L	0.005	0.0005	J257-09	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Chromium	1.19	μg/L	1	0.5	J257-09	EMXT	CH2M
					10/24/2006	GW		METAL	SW 7199	Hexavalent chromium	0.915	μg/L	0.2	0.1	J257-09	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J257-09	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Calcium	54.4	mg/L	1	0.05	J257-09	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J257-09	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Magnesium	25.2	mg/L	1	0.05	J257-09	<b>EMXT</b>	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Potassium	5.91	mg/L	1	0.05	J257-09	<b>EMXT</b>	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Sodium	218	mg/L	1	0.05	J257-09	EMXT	CH2M

Notes:

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-19	AGR/ACT															
				Q02	04/25/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	D191-02	EMXT	CH2M
					04/25/2006	GW	ANION	EPA 300.0	Chloride	298	mg/L	25	5	D191-02	EMXT	CH2M
					04/25/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	15.1	mg/L	2.5	0.25	D191-02	EMXT	CH2M
					04/25/2006	GW	ANION	EPA 300.0	Sulfate	143	mg/L	25	12.5	D191-02	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D191-02	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	349	mg/L	5	1	D191-02	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	349	mg/L	5	1	D191-02	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D191-02	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	1220	mg/L	10	5	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Arsenic	0.00614	mg/L	0.005	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Barium	0.061	mg/L	0.001	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 7199	Hexavalent chromium	0.658	μg/L	0.2	0.1	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Manganese	0.00161	mg/L	0.001	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	EPA 7470A	Mercury	2.29	μg/L	0.5	0.1	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Molybdenum	0.0121	mg/L	0.005	0.001	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D191-02	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Zinc	0.0341 J	mg/L	0.02	0.005	D191-02	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Calcium	59.3	mg/L	1	0.05	D191-02	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D191-02	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Magnesium	18.7	mg/L	1	0.05	D191-02	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Potassium	5.73	mg/L	1	0.05	D191-02	EMXT	CH2M
					04/25/2006		Metals General	SW 6020A	Sodium	347	mg/L	1	0.05	D191-02	EMXT	CH2M
				Q03	07/25/2006	GW	ANION	EPA 300.0	Chloride	264	mg/L	20	4	G165-08	EMXT	CH2M
					07/25/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	13.4	mg/L	5	0.5	G165-08	EMXT	
					07/25/2006	GW	ANION	EPA 300.0	Sulfate	156	mg/L	20	10	G165-08	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-08	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	315	mg/L	5	1	G165-08	EMXT	CH2M
					07/25/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	315	mg/L	5	1	G165-08	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date		Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-19	AGR/ACT																
				Q03	07/25/2006			GENERAL	EPA 160.1	Total dissolved solids	1160	mg/L	10		G165-08	EMXT	
					07/25/2006			METAL	SW 6020A	Arsenic	0.00897	mg/L	0.005		G165-08	EMXT	
					07/25/2006			METAL	SW 6020A	Chromium	1.08	μg/L	1		G165-08	EMXT	
					07/25/2006			METAL	SW 7199	Hexavalent chromium	1.03	μg/L	0.2		G165-08	EMXT	
					07/25/2006			METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	G165-08	EMXT	
					07/25/2006			Metals General	SW 6020A	Calcium	47.3	mg/L	1	0.05	G165-08	EMXT	
					07/25/2006			Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-08	EMXT	
					07/25/2006			Metals General	SW 6020A	Magnesium	15.8	mg/L	1	0.05	G165-08	EMXT	CH2M
					07/25/2006			Metals General	SW 6020A	Potassium	5.9	mg/L	1	0.05	G165-08	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Sodium	348	mg/L	10	0.5	G165-08	EMXT	CH2M
				Q04	10/24/2006			ANION	EPA 300.0	Chloride	251	mg/L	50	10	J257-10	EMXT	
					10/24/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	12	mg/L	2.5	0.25	J257-10	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Sulfate	162	mg/L	10	5	J257-10	EMXT	CH2M
					10/24/2006			GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	300	mg/L	5	1	J257-10	EMXT	CH2M
					10/24/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	300	mg/L	5	1	J257-10	EMXT	CH2M
					10/24/2006			GENERAL	EPA 160.1	Total dissolved solids	1070	mg/L	10	5	J257-10	EMXT	CH2M
					10/24/2006			METAL	SW 6020A	Arsenic	0.00981	mg/L	0.005		J257-10	EMXT	
					10/24/2006			METAL	SW 6020A	Chromium	1.14	μg/L	1	0.5	J257-10	EMXT	
					10/24/2006			METAL	SW 7199	Hexavalent chromium	1.06	μg/L	0.2	0.1	J257-10	EMXT	CH2M
					10/24/2006			METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J257-10	EMXT	CH2M
					10/24/2006			Metals General	SW 6020A	Calcium	43.9	mg/L	1	0.05	J257-10	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J257-10	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Magnesium	13.3	mg/L	1	0.05	J257-10	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Potassium	5.47	mg/L	1	0.05	J257-10	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Sodium	284	mg/L	1	0.05	J257-10	EMXT	CH2M
					10/24/2006	GW	Dup	ANION	EPA 300.0	Chloride	252	mg/L	50	10	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	12.2	mg/L	2.5	0.25	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	ANION	EPA 300.0	Sulfate	172	mg/L	50	25	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	300	mg/L	5	1	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	300	mg/L	5	1	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	1080	mg/L	10	5	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.00954	mg/L	0.005	0.0005	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	METAL	SW 6020A	Chromium	1.11	μg/L	1	0.5	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	1.06	μg/L	0.2	0.1	J257-06	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	Metals General	SW 6020A	Calcium	45	mg/L	1	0.05	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	J257-06	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

	Type/	Perf.	Discrete		Sample	Sample	Sample	e Analyte									
Location	Status	Int-ft	Dep-ft	Quarter	Date	Matrix	Туре	Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contractor
BGS-19	AGR/ACT																
				Q04	10/24/2006	GW	Dup	Metals General	SW 6020A	Magnesium	13.3	mg/L	1	0.05	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	Metals General	SW 6020A	Potassium	5.57	mg/L	1	0.05	J257-06	EMXT	CH2M
					10/24/2006	GW	Dup	Metals General	SW 6020A	Sodium	290	mg/L	1	0.05	J257-06	EMXT	CH2M

Notes:

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Sample Matrix: GW = Groundwater

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-22	DOM/ACT																
				Q01	01/30/2006	GW		ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	A174-03	EMXT	
					01/30/2006			ANION	EPA 300.0	Chloride	20.1	mg/L	2.5	0.5	A174-03	EMXT	CH2M
					01/30/2006			ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	A174-03	EMXT	CH2M
					01/30/2006	GW		ANION	EPA 300.0	Sulfate	23.4	mg/L	2.5	1.25	A174-03	EMXT	
					01/30/2006			GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	A174-03	EMXT	
					01/30/2006			GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	A174-03	EMXT	CH2M
					01/30/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	140	mg/L	5	1	A174-03	EMXT	CH2M
					01/30/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	A174-03	EMXT	CH2M
					01/30/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	240 J	mg/L	10	5	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Arsenic	0.0062	mg/L	0.005	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Barium	0.105	mg/L	0.001	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951265-00	3 TLI	CH2M
					01/30/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 7199	Hexavalent chromium	1.12	μg/L	0.2	0.0184	951265-00	3 TLI	CH2M
					01/30/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Manganese	0.00108	mg/L	0.001	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	A174-03	EMXT	CH2M
					01/30/2006	GW		METAL	SW 6020A	Zinc	0.102 J	mg/L	0.02	0.005	A174-03	EMXT	CH2M
					01/30/2006	GW		Metals General	SW 6020A	Calcium	28.3	mg/L	1	0.05	A174-03	EMXT	CH2M
					01/30/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	A174-03	EMXT	CH2M
					01/30/2006	GW		Metals General	SW 6020A	Magnesium	4.5	mg/L	1	0.05	A174-03	EMXT	CH2M
					01/30/2006	GW		Metals General	SW 6020A	Potassium	2.05	mg/L	1	0.05	A174-03	EMXT	CH2M
					01/30/2006	GW		Metals General	SW 6020A	Sodium	49.2	mg/L	1	0.05	A174-03	EMXT	CH2M
					01/30/2006	GW	Dup	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	ANION	EPA 300.0	Chloride	20	mg/L	2.5	0.5	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	A174-05	EMXT	CH2M
					01/30/2006	GW		ANION	EPA 300.0	Sulfate	23.3	mg/L	2.5	1.25	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	138	mg/L	5	1	A174-05	EMXT	CH2M
					. ,							<i></i>					

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contract
BGS-22	DOM/ACT			<del>_</del>				<u> </u>									
	20.1,7.10.			Q01	01/30/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	138	mg/L	5	1	A174-05	EMXT	CH2M
					01/30/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	965 J	mg/L	10	5	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.00588	mg/L	0.005	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Barium	0.107	mg/L	0.001	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951265-00	5 TLI	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	1.08	μg/L	0.2	0.0184	951265-00	5 TLI	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Manganese	0.00161	mg/L	0.001	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	METAL	SW 6020A	Zinc	0.128 J	mg/L	0.02	0.005	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	Metals General	SW 6020A	Calcium	29	mg/L	1	0.05	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	Metals General	SW 6020A	Magnesium	4.57	mg/L	1	0.05	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	Metals General	SW 6020A	Potassium	2.09	mg/L	1	0.05	A174-05	EMXT	CH2M
					01/30/2006	GW	Dup	Metals General	SW 6020A	Sodium	49.7	mg/L	1	0.05	A174-05	EMXT	CH2M
				Q02	04/25/2006	GW		ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D191-04	EMXT	CH2M
					04/25/2006	GW		ANION	EPA 300.0	Chloride	20.8	mg/L	2.5	0.5	D191-04	EMXT	CH2M
					04/25/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	D191-04	EMXT	CH2M
					04/25/2006	GW		ANION	EPA 300.0	Sulfate	24	mg/L	2.5	1.25	D191-04	EMXT	CH2M
					04/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D191-04	EMXT	CH2M
					04/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	148	mg/L	5	1	D191-04	EMXT	CH2M
					04/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	148	mg/L	5	1	D191-04	EMXT	CH2M
					04/25/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D191-04	EMXT	CH2M
					04/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	90	mg/L	10	5	D191-04	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Arsenic	0.00574	mg/L	0.005	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW		METAL	SW 6020A	Barium	0.117	mg/L	0.001	0.0005	D191-04	EMXT	CH2M

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	 Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contract
BGS-22	DOM/ACT															
				Q02	04/25/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Chromium	1.23	μg/L	1	0.5	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 7199	Hexavalent chromium	1.36	μg/L	0.2	0.1	D191-04R	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D191-04	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D191-04	<b>EMXT</b>	CH2M
					04/25/2006	GW	METAL	SW 6020A	Zinc	0.152 J	mg/L	0.02	0.005	D191-04	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Calcium	29	mg/L	1	0.05	D191-04	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D191-04	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Magnesium	4.6	mg/L	1	0.05	D191-04	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Potassium	1.97	mg/L	1	0.05	D191-04	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Sodium	52.4	mg/L	1	0.05	D191-04	EMXT	CH2M
				Q03	07/24/2006	GW .	ANION	EPA 300.0	Chloride	21	mg/L	2.5	0.5	G152-05	EMXT	CH2M
					07/24/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G152-05	EMXT	CH2M
					07/24/2006	GW	ANION	EPA 300.0	Sulfate	26	mg/L	2.5	1.25	G152-05	EMXT	CH2M
					07/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	141	mg/L	5	1	G152-05	<b>EMXT</b>	CH2M
					07/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	141	mg/L	5	1	G152-05	EMXT	CH2M
					07/24/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	205	mg/L	10	5	G152-05	EMXT	CH2M
					07/24/2006	GW	METAL	SW 6020A	Arsenic	0.00631	mg/L	0.005	0.0005	G152-05	EMXT	CH2M
					07/24/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G152-05	EMXT	CH2M
					07/24/2006	GW	METAL	SW 7199	Hexavalent chromium	0.813	μg/L	0.2	0.1	G152-05	EMXT	CH2M
					07/24/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	G152-05	EMXT	CH2M
					07/24/2006	GW	Metals General	SW 6020A	Calcium	28.4	mg/L	1	0.05	G152-05	EMXT	CH2M
					07/24/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G152-05	EMXT	CH2M
					07/24/2006		Metals General	SW 6020A	Magnesium	4.46	mg/L	1	0.05	G152-05	EMXT	CH2M
					07/24/2006	GW	Metals General	SW 6020A	Potassium	2.08	mg/L	1	0.05	G152-05	EMXT	CH2M
					07/24/2006		Metals General	SW 6020A	Sodium	50.3	mg/L	1	0.05	G152-05	EMXT	CH2M
				Q04	10/24/2006	GW	ANION	EPA 300.0	Chloride	21	mg/L	5	1	J257-07	EMXT	CH2M
					10/24/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	J257-07	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Discrete Dep-ft Qu	Sample arter Date	Sample : Matrix		Analyte Group M	1ethod	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contractor
				-									
	Q04 10/24/2006	GW	AN	NION EP	PA 300.0	Sulfate	24.1	mg/L	5	2.5	J257-07	EMXT	CH2M
	10/24/2006	GW	GE	ENERAL EPA	A 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	J257-07	EMXT	CH2M
	10/24/2006	GW	GE	ENERAL EPA	A 310.1	Alkalinity, total as CaCO3	140	mg/L	5	1	J257-07	EMXT	CH2M
	10/24/2006	GW	GE	ENERAL EPA	A 160.1	Total dissolved solids	3290 R	mg/L	10	5	J257-07	<b>EMXT</b>	CH2M
	10/24/2006	GW	ME	ETAL SW	V 6020A	Arsenic	0.00585	mg/L	0.005	0.0005	J257-07	<b>EMXT</b>	CH2M
	10/24/2006	GW	ME	ETAL SW	V 6020A	Chromium	ND <1	μg/L	1	0.5	J257-07	EMXT	CH2M
	10/24/2006	GW	ME	ETAL SW	V 7199	Hexavalent chromium	0.608	μg/L	0.2	0.1	J257-07	EMXT	CH2M
	10/24/2006	GW	ME	ETAL SW	V 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J257-07	EMXT	CH2M
	10/24/2006	GW	Me	etals General SW	V 6020A	Calcium	27.8	mg/L	1	0.05	J257-07	EMXT	CH2M
	10/24/2006	GW	Me	etals General SW	V 6020A	Iron	ND <0.5	mg/L	0.5	0.05	J257-07	EMXT	CH2M
	10/24/2006	GW	Me	etals General SW	V 6020A	Magnesium	4.4	mg/L	1	0.05	J257-07	EMXT	CH2M
						3		-	1				CH2M
								-	1				CH2M
		10/24/2006	10/24/2006 GW	10/24/2006 GW Me	10/24/2006 GW Metals General SV	10/24/2006 GW Metals General SW 6020A	10/24/2006 GW Metals General SW 6020A Potassium	10/24/2006 GW Metals General SW 6020A Potassium 2.33	10/24/2006 GW Metals General SW 6020A Potassium 2.33 mg/L	10/24/2006 GW Metals General SW 6020A Potassium 2.33 mg/L 1	10/24/2006 GW Metals General SW 6020A Potassium 2.33 mg/L 1 0.05	10/24/2006 GW Metals General SW 6020A Potassium 2.33 mg/L 1 0.05 J257-07	10/24/2006 GW Metals General SW 6020A Potassium 2.33 mg/L 1 0.05 J257-07 EMXT

Notes:

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-23	DOM/ACT	82-187														
				Q01	01/31/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B004-01	EMX	Г СН2М
					01/31/2006	GW	ANION	EPA 300.0	Chloride	38	mg/L	2.5	0.5	B004-01	EMX	Г СН2М
					01/31/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	B004-01	EMX	Г СН2М
					01/31/2006	GW	ANION	EPA 300.0	Sulfate	45.9	mg/L	2.5	1.25	B004-01	EMX	Г СН2М
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B004-01	EMX	Г СН2М
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	147	mg/L	5	1	B004-01	EMX	Г СН2М
					01/31/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	147	mg/L	5	1	B004-01	EMX	Г СН2М
					01/31/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B004-01	EMX	Г СН2М
					01/31/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	325	mg/L	10	5	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Arsenic	0.00821	mg/L	0.005	0.0005	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Barium	0.0564	mg/L	0.001	0.0005	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Chromium	1.3	μg/L	1	0.075	951327-00	1 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B004-01	EMX	г сн2м
					01/31/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B004-01	EMX	Г СН2М
					01/31/2006		METAL	SW 7199	Hexavalent chromium	1.4	μg/L	0.2	0.0184	951327-00	1 TLI	CH2M
					01/31/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B004-01	EMX	Г СН2М
					01/31/2006		METAL	SW 6020A	Molybdenum	0.00742	mg/L	0.005	0.001	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B004-01	EMX	Г СН2М
					01/31/2006		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B004-01	EMX	Г СН2М
					01/31/2006		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B004-01	EMX	Г СН2М
					01/31/2006	GW	METAL	SW 6020A	Zinc	ND <0.02	mg/L	0.02	0.005	B004-01	EMX	Г СН2М
					01/31/2006		Metals General	SW 6020A	Calcium	30.1	mg/L	1	0.05	B004-01	EMX	г сн2м
					01/31/2006		Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	B004-01	EMX	г сн2м
					01/31/2006		Metals General	SW 6020A	Magnesium	5.72	mg/L	1	0.05	B004-01	EMX	г сн2м
					01/31/2006		Metals General		Potassium	2.71	mg/L	1		B004-01	EMX	Г СН2М
					01/31/2006		Metals General		Sodium	61.4	mg/L	1		B004-01	EMX	
				Q02	04/24/2006	GW	ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D180-01	EMX	Г СН2М
					04/24/2006	GW	ANION	EPA 300.0	Chloride	37.9	mg/L	5	1	D180-01	EMX	Г СН2М
					04/24/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	D180-01	EMX	Г СН2М
					04/24/2006	GW	ANION	EPA 300.0	Sulfate	46	mg/L	5	2.5	D180-01	EMX	Г СН2М
					04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D180-01	EMX	Г СН2М
					04/24/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	D180-01	EMX	Г СН2М

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-23	DOM/ACT	82-187															
				Q02	04/24/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	140	mg/L	5	1	D180-01	EMXT	CH2M
					04/24/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D180-01	EMXT	CH2M
					04/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	340	mg/L	10	5	D180-01	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D180-01	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Arsenic	0.00831	mg/L	0.005	0.0005	D180-01	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Barium	0.0594	mg/L	0.001	0.0005	D180-01	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D180-01	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Chromium	1.63	μg/L	1	0.5	D180-01	EMXT	CH2M
					04/24/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 7199	Hexavalent chromium	1.57 J	μg/L	0.2	0.1	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Manganese	0.00612 J	mg/L	0.001	0.0005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Molybdenum	0.00844	mg/L	0.005	0.001	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		Metals General	SW 6020A	Calcium	32.7	mg/L	1	0.05	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D180-01	<b>EMXT</b>	CH2M
					04/24/2006	GW		Metals General	SW 6020A	Magnesium	5.64	mg/L	1	0.05	D180-01	EMXT	CH2M
					04/24/2006	GW		Metals General	SW 6020A	Potassium	2.58	mg/L	1	0.05	D180-01	EMXT	CH2M
					04/24/2006	GW		Metals General	SW 6020A	Sodium	66.5	mg/L	1	0.05	D180-01	EMXT	CH2M
					04/24/2006	GW	Dup	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	ANION	EPA 300.0	Chloride	38.4	mg/L	5	1	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	ND <0.5	mg/L	0.5	0.05	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	ANION	EPA 300.0	Sulfate	46.7	mg/L	5	2.5	D180-05	EMXT	CH2M
					04/24/2006		Dup	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5		D180-05	EMXT	CH2M
					04/24/2006			GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	D180-05	EMXT	
					04/24/2006		•	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	140	mg/L	5		D180-05	EMXT	
					04/24/2006		•	GENERAL	EPA 350.2	Ammonia as nitrogen	ND <0.5	mg/L	0.5		D180-05	EMXT	
					04/24/2006			GENERAL	EPA 160.1	Total dissolved solids	350	mg/L	10		D180-05	EMXT	
					04/24/2006			METAL	SW 6020A	Antimony	ND <0.001	mg/L	0.001		D180-05	EMXT	
					04/24/2006			METAL	SW 6020A	Arsenic	0.00845	mg/L	0.005		D180-05	EMXT	
					04/24/2006			METAL	SW 6020A	Barium	0.0594	mg/L	0.001		D180-05	EMXT	
					,,	٠	- ~P				J.UJJT		001	2.3000			

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-23	DOM/ACT	82-187															
				Q02	04/24/2006	GW	Dup	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Chromium	1.48	μg/L	1	0.5	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	1.48 J	μg/L	0.2	0.1	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Molybdenum	0.00863	mg/L	0.005	0.001	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	Metals General	SW 6020A	Calcium	31.6	mg/L	1	0.05	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	Metals General	SW 6020A	Magnesium	5.88	mg/L	1	0.05	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	Metals General	SW 6020A	Potassium	2.57	mg/L	1	0.05	D180-05	EMXT	CH2M
					04/24/2006	GW	Dup	Metals General	SW 6020A	Sodium	64.1	mg/L	1	0.05	D180-05	EMXT	CH2M
				Q03	07/25/2006	GW		ANION	EPA 300.0	Chloride	38.1	mg/L	5	1	G165-05	EMXT	CH2M
					07/25/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G165-05	EMXT	CH2M
					07/25/2006	GW		ANION	EPA 300.0	Sulfate	45.4	mg/L	5	2.5	G165-05	EMXT	CH2M
					07/25/2006			GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-05	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	G165-05	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	G165-05	EMXT	CH2M
					07/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	340	mg/L	10	5	G165-05	EMXT	CH2M
					07/25/2006	GW		METAL	SW 6020A	Arsenic	0.00853	mg/L	0.005	0.0005	G165-05	EMXT	CH2M
					07/25/2006	GW		METAL	SW 6020A	Chromium	1.29	μg/L	1	0.5	G165-05	EMXT	CH2M
					07/25/2006	GW		METAL	SW 7199	Hexavalent chromium	1.27	μg/L	0.2	0.1	G165-05	EMXT	CH2M
					07/25/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	G165-05	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Calcium	29.9	mg/L	1	0.05	G165-05	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-05	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Magnesium	5.72	mg/L	1	0.05	G165-05	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Potassium	2.86	mg/L	1	0.05	G165-05	EMXT	CH2M
					07/25/2006	GW		Metals General	SW 6020A	Sodium	61.3	mg/L	1	0.05	G165-05	EMXT	CH2M
					07/25/2006	GW	Dup	ANION	EPA 300.0	Chloride	39.2	mg/L	5	1	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G165-04	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-23	DOM/ACT	82-187															
				Q03	07/25/2006	GW	Dup	ANION	EPA 300.0	Sulfate	46.9	mg/L	5	2.5	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	350	mg/L	10	5	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.0088	mg/L	0.005	0.0005	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	METAL	SW 6020A	Chromium	1.21	μg/L	1	0.5	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	1.22	μg/L	0.2	0.1	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Calcium	30.2	mg/L	1	0.05	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Magnesium	5.72	mg/L	1	0.05	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Potassium	2.89	mg/L	1	0.05	G165-04	EMXT	CH2M
					07/25/2006	GW	Dup	Metals General	SW 6020A	Sodium	62.1	mg/L	1	0.05	G165-04	EMXT	CH2M
				Q04	10/24/2006	GW		ANION	EPA 300.0	Chloride	38.7	mg/L	10	2	J257-08	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	J257-08	EMXT	CH2M
					10/24/2006	GW		ANION	EPA 300.0	Sulfate	47	mg/L	10	5	J257-08	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	J257-08	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	J257-08	EMXT	CH2M
					10/24/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	360	mg/L	10	5	J257-08	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J257-08	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Chromium	2.01	μg/L	1	0.5	J257-08	EMXT	CH2M
					10/24/2006	GW		METAL	SW 7199	Hexavalent chromium	1.94	μg/L	0.2	0.1	J257-08	EMXT	CH2M
					10/24/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J257-08	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Calcium	30.9	mg/L	1	0.05	J257-08	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J257-08	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Magnesium	4.81	mg/L	1	0.05	J257-08	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Potassium	2.59	mg/L	1	0.05	J257-08	EMXT	CH2M
					10/24/2006	GW		Metals General	SW 6020A	Sodium	54.5	mg/L	1	0.05	J257-08	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-24	AGR/ACT															
				Q01	02/02/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B026-01	EMXT	CH2M
					02/02/2006	GW	ANION	EPA 300.0	Chloride	29.8	mg/L	2.5	0.5	B026-01	EMXT	CH2M
					02/02/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.47	mg/L	0.5	0.05	B026-01	EMXT	CH2M
					02/02/2006		ANION	EPA 300.0	Sulfate	35.4	mg/L	2.5	1.25	B026-01	EMXT	CH2M
					02/02/2006		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B026-01	EMXT	CH2M
					02/02/2006		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	95	mg/L	5	1	B026-01	EMXT	CH2M
					02/02/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	95	mg/L	5	1	B026-01	EMXT	CH2M
					02/02/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	B026-01	EMXT	CH2M
					02/02/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	230	mg/L	10	5	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Barium	0.0335	mg/L	0.001	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B026-01	EMXT	CH2M
					02/02/2006		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B026-01	EMXT	CH2M
					02/02/2006		METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951421-00	1 TLI	CH2M
					02/02/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.0184	951421-00	1 TLI	CH2M
					02/02/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Manganese	0.0153	mg/L	0.001	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B026-01	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	B026-01	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Calcium	34.1	mg/L	1	0.05	B026-01	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B026-01	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Magnesium	5.61	mg/L	1	0.05	B026-01	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Potassium	2.09	mg/L	1	0.05	B026-01	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Sodium	37.2	mg/L	1	0.05	B026-01	EMXT	CH2M
			60	Q02	04/26/2006		METAL	SW 6020A	Chromium	ND <1	μg/L	1		D205-10	EMXT	CH2M
					04/26/2006		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2		D205-10	EMXT	CH2M
			100		04/26/2006		METAL	SW 6020A	Chromium	ND <1	μg/L	1		D205-09	EMXT	CH2M
					04/26/2006		METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2		D205-09	EMXT	CH2M
			140		04/26/2006		ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5		D205-08	EMXT	CH2M
					04/26/2006	GW	ANION	EPA 300.0	Chloride	28.2	mg/L	2.5	0.5	D205-08	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-24	AGR/ACT															
			140	Q02	04/26/2006		ANION	EPA 300.0	Nitrate as Nitrogen	1.15	mg/L	0.5	0.05	D205-08	EMXT	
					04/26/2006	GW	ANION	EPA 300.0	Sulfate	34.1	mg/L	2.5	1.25	D205-08	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D205-08	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	102	mg/L	5	1	D205-08	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	102	mg/L	5	1	D205-08	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D205-08	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	265	mg/L	10	5	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Barium	0.0394	mg/L	0.001	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Manganese	0.00609	mg/L	0.001	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D205-08	EMXT	CH2M
					04/26/2006	GW	METAL	SW 6020A	Zinc	ND < 0.02	mg/L	0.02	0.005	D205-08	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Calcium	34.8	mg/L	1	0.05	D205-08	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D205-08	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Magnesium	6.4	mg/L	1	0.05	D205-08	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Potassium	2.21	mg/L	1	0.05	D205-08	EMXT	CH2M
					04/26/2006	GW	Metals General	SW 6020A	Sodium	38.3	mg/L	1	0.05	D205-08	EMXT	CH2M
				Q03	07/27/2006	GW	ANION	EPA 300.0	Chloride	28.8	mg/L	2.5	0.5	G200-01	EMXT	CH2M
					07/27/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	1.19	mg/L	0.5	0.05	G200-01	EMXT	CH2M
					07/27/2006	GW	ANION	EPA 300.0	Sulfate	35.5	mg/L	2.5	1.25	G200-01	EMXT	CH2M
					07/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	96	mg/L	5	1	G200-01	EMXT	CH2M
					07/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	96	mg/L	5	1	G200-01	EMXT	CH2M
					07/27/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	235	mg/L	10	5	G200-01	EMXT	CH2M
					07/27/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G200-01	EMXT	CH2M
					07/27/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	G200-01	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contractor
BGS-24	AGR/ACT																
				Q03	07/27/2006	GW	ľ	1ETAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	G200-01	EMXT	CH2M
					07/27/2006	GW	ľ	1ETAL	SW 6020A	Manganese	0.00471	mg/L	0.001	0.0005	G200-01	EMXT	CH2M
					07/27/2006	GW	ľ	1etals General	SW 6020A	Calcium	33.5	mg/L	1	0.05	G200-01	EMXT	CH2M
					07/27/2006	GW	ľ	1etals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G200-01	EMXT	CH2M
					07/27/2006	GW	ľ	1etals General	SW 6020A	Magnesium	5.91	mg/L	1	0.05	G200-01	EMXT	CH2M
					07/27/2006	GW	ľ	1etals General	SW 6020A	Potassium	2.08	mg/L	1	0.05	G200-01	EMXT	CH2M
					07/27/2006	GW	ľ	1etals General	SW 6020A	Sodium	36.5	mg/L	1	0.05	G200-01	EMXT	CH2M

Notes:

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Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-25	DOM/ACT	80-400														
				Q01	01/30/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	A174-04	EMXT	CH2M
					01/30/2006	GW	ANION	EPA 300.0	Chloride	118	mg/L	10	2	A174-04	EMXT	CH2M
					01/30/2006		ANION	EPA 300.0	Nitrate as Nitrogen	10.9	mg/L	2.5	0.25	A174-04	EMXT	CH2M
					01/30/2006	GW	ANION	EPA 300.0	Sulfate	203	mg/L	10	5	A174-04	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	A174-04	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	304	mg/L	5	1	A174-04	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	304	mg/L	5	1	A174-04	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	A174-04	EMXT	CH2M
					01/30/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	250	mg/L	10	5	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Barium	0.0476	mg/L	0.001	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.075	951265-00	04 TLI	CH2M
					01/30/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 7199	Hexavalent chromium	0.477	μg/L	0.2	0.0184	951265-00	04 TLI	CH2M
					01/30/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Manganese	0.00278	mg/L	0.001	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	A174-04	EMXT	CH2M
					01/30/2006	GW	METAL	SW 6020A	Zinc	0.0403	mg/L	0.02	0.005	A174-04	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Calcium	146	mg/L	1	0.05	A174-04	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	A174-04	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Magnesium	25.9	mg/L	1	0.05	A174-04	EMXT	CH2M
					01/30/2006	GW	Metals General	SW 6020A	Potassium	4.13	mg/L	1	0.05	A174-04	EMXT	CH2M
					01/30/2006		Metals General	SW 6020A	Sodium	120	mg/L	1	0.05	A174-04	EMXT	CH2M
				Q02	04/26/2006	GW	ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5	0.1	D205-02	EMXT	CH2M
					04/26/2006	GW	ANION	EPA 300.0	Chloride	117	mg/L	10	2	D205-02	EMXT	CH2M
					04/26/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	10.4	mg/L	2.5	0.25	D205-02	EMXT	CH2M
					04/26/2006	GW	ANION	EPA 300.0	Sulfate	189	mg/L	10	5	D205-02	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	D205-02	EMXT	CH2M
					04/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	310	mg/L	5	1	D205-02	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-25	DOM/ACT	80-400															
				Q02	04/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	310	mg/L	5	1	D205-02	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D205-02	EMXT	CH2M
					04/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	940	mg/L	10	5	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Barium	0.0521	mg/L	0.001	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Chromium	1.2	μg/L	1	0.5	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 7199	Hexavalent chromium	0.767	μg/L	0.2	0.1	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Manganese	0.00192	mg/L	0.001	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Selenium	ND <0.001	mg/L	0.001	0.0005	D205-02	EMXT	CH2M
					04/26/2006	GW		METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D205-02	EMXT	CH2M
					04/26/2006			METAL	SW 6020A	Zinc	0.0345	mg/L	0.02	0.005	D205-02	EMXT	CH2M
					04/26/2006			Metals General		Calcium	155	mg/L	1		D205-02	EMXT	CH2M
					04/26/2006			Metals General		Iron	ND <0.5	mg/L	0.5		D205-02	EMXT	
					04/26/2006			Metals General		Magnesium	27.3	mg/L	1		D205-02	EMXT	
					04/26/2006			Metals General		Potassium	4.13	mg/L	1		D205-02	EMXT	
					04/26/2006			Metals General		Sodium	126	mg/L	1		D205-02	EMXT	
				Q03	07/26/2006	GW		ANION	EPA 300.0	Chloride	117	mg/L	10	2	G182-06	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	11	mg/L	5	0.5	G182-06	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Sulfate	182	mg/L	10	5	G182-06	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-06	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	320	mg/L	5	1	G182-06	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	320	mg/L	5	1	G182-06	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	950	mg/L	10	5	G182-06	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G182-06	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Chromium	1.54	μg/L	1	0.5	G182-06	EMXT	CH2M
					07/26/2006			METAL	SW 7199	Hexavalent chromium	1.31 J	μg/L	0.2	0.1	G182-06	EMXT	
					07/26/2006			METAL	SW 6020A	Manganese	0.00118	mg/L	0.001	0.0005	G182-06	EMXT	CH2M
					07/26/2006			Metals General		Calcium	139	mg/L	1		G182-06	FMXT	CH2M

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Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	ontracto
BGS-25	DOM/ACT	80-400														
				Q03	07/26/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G182-06	EMXT	CH2M
					07/26/2006	GW	Metals General	SW 6020A	Magnesium	24.9	mg/L	1	0.05	G182-06	EMXT	CH2M
					07/26/2006	GW	Metals General	SW 6020A	Potassium	4.09	mg/L	1	0.05	G182-06	EMXT	CH2M
					07/26/2006	GW	Metals General	SW 6020A	Sodium	106	mg/L	1	0.05	G182-06	EMXT	CH2M
				Q04	10/23/2006	GW	ANION	EPA 300.0	Chloride	123	mg/L	20	4	J236-02	EMXT	CH2M
					10/23/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	11.8	mg/L	2.5	0.25	J236-02	EMXT	CH2M
					10/23/2006	GW	ANION	EPA 300.0	Sulfate	193	mg/L	20	10	J236-02	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	310	mg/L	5	1	J236-02	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	310	mg/L	5	1	J236-02	EMXT	CH2M
					10/23/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	925	mg/L	10	5	J236-02	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J236-02	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Chromium	1.21	μg/L	1	0.5	J236-02	EMXT	CH2M
					10/23/2006	GW	METAL	SW 7199	Hexavalent chromium	0.988	μg/L	0.2	0.1	J236-02	EMXT	CH2M
					10/23/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J236-02	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Calcium	153	mg/L	1	0.05	J236-02	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J236-02	<b>EMXT</b>	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Magnesium	24.9	mg/L	1	0.05	J236-02	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Potassium	4.26	mg/L	1	0.05	J236-02	EMXT	CH2M
					10/23/2006	GW	Metals General	SW 6020A	Sodium	111	mg/L	1	0.05	J236-02	<b>EMXT</b>	CH2M

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-27	DOM/ACT															
				Q01	02/02/2006	GW	ANION	EPA 300.0	Bromide	ND < 0.5	mg/L	0.5	0.1	B026-03	EMXT	CH2M
					02/02/2006	GW	ANION	EPA 300.0	Chloride	151	mg/L	10	2	B026-03	EMXT	CH2M
					02/02/2006		ANION	EPA 300.0	Sulfate	204	mg/L	10	5	B026-03	EMXT	CH2M
					02/02/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	B026-03	EMXT	
					02/02/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	442	mg/L	5	1	B026-03	EMXT	
					02/02/2006		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	442	mg/L	5	1	B026-03	EMXT	CH2M
					02/02/2006		GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5		B026-03	EMXT	CH2M
					02/02/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	1180	mg/L	10	5	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Barium	0.0645	mg/L	0.001	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Chromium	1.87	μg/L	1	0.075	951421-00	O3 TLI	CH2M
					02/02/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 7199	Hexavalent chromium	1.64	μg/L	0.2	0.0184	951421-00	O3 TLI	CH2M
					02/02/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Manganese	0.00139	mg/L	0.001	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	B026-03	EMXT	CH2M
					02/02/2006	GW	METAL	SW 6020A	Zinc	0.0467	mg/L	0.02	0.005	B026-03	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Calcium	178	mg/L	1	0.05	B026-03	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	B026-03	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Magnesium	30.7	mg/L	1	0.05	B026-03	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Potassium	5.5	mg/L	1	0.05	B026-03	EMXT	CH2M
					02/02/2006	GW	Metals General	SW 6020A	Sodium	218	mg/L	1	0.05	B026-03	EMXT	CH2M
				Q02	04/25/2006		ANION	EPA 300.0	Bromide	ND <0.5	mg/L	0.5		D191-05	EMXT	
					04/25/2006		ANION	EPA 300.0	Chloride	149	mg/L	12.5		D191-05	EMXT	
					04/25/2006		ANION	EPA 300.0	Sulfate	199	mg/L	12.5		D191-05	EMXT	
					04/25/2006		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5		D191-05	EMXT	CH2M
					04/25/2006		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	445	mg/L	5	1	D191-05	EMXT	CH2M
					04/25/2006		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	445	mg/L	5	1	D191-05	EMXT	CH2M
					04/25/2006	GW	GENERAL	EPA 350.2	Ammonia as nitrogen	ND < 0.5	mg/L	0.5	0.03	D191-05	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contract
BGS-27	DOM/ACT															
				Q02	04/25/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	1180	mg/L	10	5	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Antimony	ND < 0.001	mg/L	0.001	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Barium	0.0641	mg/L	0.001	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Beryllium	ND < 0.001	mg/L	0.001	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Cadmium	ND < 0.001	mg/L	0.001	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Chromium	1.66	μg/L	1	0.5	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Cobalt	ND < 0.001	mg/L	0.001	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Copper	ND < 0.01	mg/L	0.01	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 7199	Hexavalent chromium	1.4	μg/L	0.2	0.1	D191-05R	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Lead	ND < 0.005	mg/L	0.005	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Manganese	0.00299	mg/L	0.001	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	EPA 7470A	Mercury	ND < 0.5	μg/L	0.5	0.1	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Molybdenum	ND < 0.005	mg/L	0.005	0.001	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Nickel	ND < 0.02	mg/L	0.02	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Selenium	ND < 0.001	mg/L	0.001	0.0005	D191-05	EMXT	CH2M
					04/25/2006	GW	METAL	SW 6020A	Thallium	ND < 0.001	mg/L	0.001	0.0005	D191-05	EMXT	CH2N
					04/25/2006	GW	METAL	SW 6020A	Zinc	0.0564 J	mg/L	0.02	0.005	D191-05	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Calcium	168	mg/L	1	0.05	D191-05	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	D191-05	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Magnesium	27.5	mg/L	1	0.05	D191-05	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Potassium	5	mg/L	1	0.05	D191-05	EMXT	CH2M
					04/25/2006	GW	Metals General	SW 6020A	Sodium	207	mg/L	1	0.05	D191-05	EMXT	CH2M
				Q03	07/26/2006	GW	ANION	EPA 300.0	Chloride	145	mg/L	10	2	G182-04	EMXT	CH2M
					07/26/2006	GW	ANION	EPA 300.0	Sulfate	189	mg/L	5	2.5	G182-04	EMXT	CH2M
					07/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-04	EMXT	CH2M
					07/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	427	mg/L	5	1	G182-04	EMXT	CH2M
					07/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	427	mg/L	5	1	G182-04	EMXT	CH2M
					07/26/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	1140	mg/L	10	5	G182-04	EMXT	CH2M
					07/26/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	G182-04	EMXT	CH2M
					07/26/2006	GW	METAL	SW 6020A	Chromium	1.43	μg/L	1	0.5	G182-04	EMXT	CH2M
					07/26/2006	GW	METAL	SW 7199	Hexavalent chromium	1.38 J	μg/L	0.2	0.1	G182-04	EMXT	CH2M
					07/26/2006	GW	METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	G182-04	EMXT	CH2M
					07/26/2006	GW	Metals General	SW 6020A	Calcium	143	mg/L	1	0.05	G182-04	EMXT	CH2M
					07/26/2006		Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	G182-04	EMXT	
					07/26/2006		Metals General	SW 6020A	Magnesium	26.5	mg/L	1	0.05	G182-04	EMXT	CH2M
					07/26/2006		Metals General		Potassium	4.89	mg/L	1		G182-04		CH2M

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Sample Matrix: GW = Groundwater

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contractor
BGS-27	DOM/ACT						_			- "							
				Q03	07/26/2006	GW	ı	Metals General	SW 6020A	Sodium	180	mg/L	1	0.05	G182-04	EMXT	CH2M
				Q04	10/24/2006	GW	,	ANION	EPA 300.0	Chloride	133	mg/L	12.5	2.5	J257-03	EMXT	CH2M
					10/24/2006	GW	,	ANION	EPA 300.0	Sulfate	177	mg/L	12.5	6.25	J257-03	<b>EMXT</b>	CH2M
					10/24/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	393	mg/L	5	1	J257-03	EMXT	CH2M
					10/24/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	393	mg/L	5	1	J257-03	<b>EMXT</b>	CH2M
					10/24/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	1090	mg/L	10	5	J257-03	EMXT	CH2M
					10/24/2006	GW	1	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	J257-03	<b>EMXT</b>	CH2M
					10/24/2006	GW	1	METAL	SW 6020A	Chromium	1.38	μg/L	1	0.5	J257-03	<b>EMXT</b>	CH2M
					10/24/2006	GW	ı	METAL	SW 7199	Hexavalent chromium	1.28	μg/L	0.2	0.1	J257-03	EMXT	CH2M
					10/24/2006	GW	ı	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J257-03	EMXT	CH2M
					10/24/2006	GW	ı	Metals General	SW 6020A	Calcium	145	mg/L	1	0.05	J257-03	EMXT	CH2M
					10/24/2006	GW	ı	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	J257-03	EMXT	CH2M
					10/24/2006	GW	ı	Metals General	SW 6020A	Magnesium	24	mg/L	1	0.05	J257-03	EMXT	CH2M
					10/24/2006	GW	ı	Metals General	SW 6020A	Potassium	4.84	mg/L	1	0.05	J257-03	EMXT	CH2M
					10/24/2006	GW	ı	Metals General	SW 6020A	Sodium	180	mg/L	1	0.05	J257-03	EMXT	CH2M

Notes:

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Sample Matrix: GW = Groundwater

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-28	DOM/ACT																
				Q03	07/26/2006	GW		ANION	EPA 300.0	Chloride	59.1	mg/L	5	1	G182-01	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	0.576	mg/L	0.5	0.05	G182-01	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Sulfate	79.9	mg/L	5	2.5	G182-01	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-01	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	G182-01	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	G182-01	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	415	mg/L	10	5	G182-01	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Arsenic	0.0102	mg/L	0.005	0.0005	G182-01	<b>EMXT</b>	CH2M
					07/26/2006	GW		METAL	SW 6020A	Chromium	2.52	μg/L	1	0.5	G182-01	EMXT	CH2M
					07/26/2006	GW		METAL	SW 7199	Hexavalent chromium	2.07 J	μg/L	0.2	0.1	G182-01	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Manganese	0.00175	mg/L	0.001	0.0005	G182-01	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Calcium	27.5	mg/L	1	0.05	G182-01	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G182-01	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Magnesium	12	mg/L	1	0.05	G182-01	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Potassium	3.37	mg/L	1	0.05	G182-01	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Sodium	83.6	mg/L	1	0.05	G182-01	EMXT	CH2M
				Q04	10/25/2006	GW		ANION	EPA 300.0	Chloride	62.1	mg/L	50	10	J279-04	EMXT	CH2M
					10/25/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	0.528	mg/L	0.5	0.05	J279-04	EMXT	CH2M
					10/25/2006	GW		ANION	EPA 300.0	Sulfate	92.3	mg/L	50	25	J279-04	EMXT	CH2M
					10/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	130	mg/L	5	1	J279-04	<b>EMXT</b>	CH2M
					10/25/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	130	mg/L	5	1	J279-04	EMXT	CH2M
					10/25/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	400	mg/L	10	5	J279-04	EMXT	CH2M
					10/25/2006	GW		METAL	SW 6020A	Arsenic	0.00993	mg/L	0.005	0.0005	J279-04	EMXT	CH2M
					10/25/2006	GW		METAL	SW 6020A	Chromium	2.3	μg/L	1	0.5	J279-04	EMXT	CH2M
					10/25/2006	GW		METAL	SW 7199	Hexavalent chromium	2.06	μg/L	0.2	0.1	J279-04	<b>EMXT</b>	CH2M
					10/25/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	J279-04	EMXT	CH2M
					10/25/2006	GW		Metals General	SW 6020A	Calcium	27.2	mg/L	1	0.05	J279-04	EMXT	CH2M
					10/25/2006	GW		Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	J279-04	EMXT	CH2M
					10/25/2006			Metals General	SW 6020A	Magnesium	11	mg/L	1	0.05	J279-04	EMXT	CH2M
					10/25/2006			Metals General	SW 6020A	Potassium	3.39	mg/L	1	0.05	J279-04	EMXT	CH2M
					10/25/2006	GW		Metals General	SW 6020A	Sodium	80.7	mg/L	1	0.05	J279-04	EMXT	CH2M

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Sample Matrix: GW = Groundwater

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contract
BGS-29	DOM/ACT	45-105															
				Q03	07/26/2006	GW		ANION	EPA 300.0	Chloride	43.2	mg/L	5	1	G182-02	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G182-02	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Sulfate	57.4	mg/L	5	2.5	G182-02	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-02	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	G182-02	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	G182-02	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	355	mg/L	10	5	G182-02	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Arsenic	0.00814	mg/L	0.005	0.0005	G182-02	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Chromium	2.11	μg/L	1	0.5	G182-02	EMXT	CH2M
					07/26/2006	GW		METAL	SW 7199	Hexavalent chromium	1.95 J	μg/L	0.2	0.1	G182-02	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Manganese	ND < 0.001	mg/L	0.001	0.0005	G182-02	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Calcium	27.7	mg/L	1	0.05	G182-02	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G182-02	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Magnesium	9.37	mg/L	1	0.05	G182-02	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Potassium	3.19	mg/L	1	0.05	G182-02	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Sodium	65.6	mg/L	1	0.05	G182-02	EMXT	CH2M
				Q03	09/26/2006			ANION	EPA 300.0	Chloride	43	mg/L	10		I248-01	EMXT	CH2M
					09/26/2006			ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5		I248-01	EMXT	CH2M
					09/26/2006			ANION	EPA 300.0	Sulfate	56.7	mg/L	10	5	I248-01	EMXT	CH2M
					09/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	I248-01	EMXT	CH2M
					09/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	I248-01	EMXT	CH2M
					09/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	365	mg/L	10	5	I248-01	EMXT	CH2M
					09/26/2006	GW		METAL	SW 6020A	Arsenic	0.00802	mg/L	0.005	0.0005	I248-01	EMXT	CH2M
					09/26/2006	GW		METAL	SW 6020A	Chromium	2.15	μg/L	1	0.5	I248-01	EMXT	CH2M
					09/26/2006	GW		METAL	SW 7199	Hexavalent chromium	1.74 J	μg/L	0.2	0.1	I248-01	EMXT	CH2M
					09/26/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I248-01	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Calcium	29.1	mg/L	1	0.05	I248-01	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I248-01	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Magnesium	9.21	mg/L	1	0.05	I248-01	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Potassium	3.14	mg/L	1	0.05	I248-01	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Sodium	70.5	mg/L	1	0.05	I248-01	EMXT	CH2M
				Q04	11/13/2006	GW		ANION	EPA 300.0	Chloride	44.6	mg/L	10	2	K142-06	EMXT	CH2M
					11/13/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K142-06	EMXT	CH2M
					11/13/2006	GW		ANION	EPA 300.0	Sulfate	58.3	mg/L	10	5	K142-06	EMXT	CH2M
					11/13/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	K142-06	EMXT	CH2M
					11/13/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	K142-06	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contractor
BGS-29	DOM/ACT	45-105															
				Q04	11/13/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	335	mg/L	10	5	K142-06	EMXT	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Arsenic	0.00739	mg/L	0.005	0.0005	K142-06	EMXT	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Chromium	1.71	μg/L	1	0.5	K142-06	EMXT	CH2M
					11/13/2006	GW	1	METAL	SW 7199	Hexavalent chromium	1.87	μg/L	0.2	0.1	K142-06	EMXT	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K142-06	EMXT	CH2M
					11/13/2006	GW	1	Metals General	SW 6020A	Calcium	29.2	mg/L	1	0.05	K142-06	EMXT	CH2M
					11/13/2006	GW	1	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K142-06	EMXT	CH2M
					11/13/2006	GW	1	Metals General	SW 6020A	Magnesium	9.52 J	mg/L	1	0.05	K142-06	EMXT	CH2M
					11/13/2006	GW	ı	Metals General	SW 6020A	Potassium	3.04	mg/L	1	0.05	K142-06	EMXT	CH2M
					11/13/2006	GW	ı	Metals General	SW 6020A	Sodium	69.8	mg/L	1	0.05	K142-06	EMXT	CH2M

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-30	DOM/ACT	99-155															
				Q03	07/26/2006	GW		ANION	EPA 300.0	Chloride	81.2	mg/L	10	2	G182-08	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	0.838	mg/L	0.5	0.05	G182-08	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Sulfate	105	mg/L	10	5	G182-08	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-08	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	128	mg/L	5	1	G182-08	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	128	mg/L	5	1	G182-08	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	480	mg/L	10	5	G182-08	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Arsenic	0.0122	mg/L	0.005	0.0005	G182-08	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Chromium	2.53	μg/L	1	0.5	G182-08	EMXT	CH2M
					07/26/2006	GW		METAL	SW 7199	Hexavalent chromium	2.29 J	μg/L	0.2	0.1	G182-08	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Manganese	0.00112	mg/L	0.001	0.0005	G182-08	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Calcium	25.6	mg/L	1	0.05	G182-08	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G182-08	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Magnesium	14.2	mg/L	1	0.05	G182-08	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Potassium	3.53	mg/L	1	0.05	G182-08	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Sodium	110	mg/L	1	0.05	G182-08	EMXT	CH2M
					07/26/2006	GW	Dup	ANION	EPA 300.0	Chloride	81.4	mg/L	10	2	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	0.839	mg/L	0.5	0.05	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	ANION	EPA 300.0	Sulfate	105	mg/L	10	5	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	128	mg/L	5	1	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	128	mg/L	5	1	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	485	mg/L	10	5	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.0123	mg/L	0.005	0.0005	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	METAL	SW 6020A	Chromium	2.48	μg/L	1	0.5	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	2.31 J	μg/L	0.2	0.1	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	METAL	SW 6020A	Manganese	0.00116	mg/L	0.001	0.0005	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	Metals General	SW 6020A	Calcium	25.4	mg/L	1	0.05	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	Metals General	SW 6020A	Magnesium	14	mg/L	1	0.05	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	Metals General	SW 6020A	Potassium	3.48	mg/L	1	0.05	G182-07	EMXT	CH2M
					07/26/2006	GW	Dup	Metals General	SW 6020A	Sodium	108	mg/L	1	0.05	G182-07	EMXT	CH2M

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-31	DOM/ACT																
				Q03	07/26/2006	GW		ANION	EPA 300.0	Chloride	44.2	mg/L	5	1	G182-09	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	G182-09	EMXT	CH2M
					07/26/2006	GW		ANION	EPA 300.0	Sulfate	58.4	mg/L	5	2.5	G182-09	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, as carbonate	ND <5	mg/L	5	1	G182-09	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	139	mg/L	5	1	G182-09	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	139	mg/L	5	1	G182-09	EMXT	CH2M
					07/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	355	mg/L	10	5	G182-09	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Arsenic	0.0111	mg/L	0.005	0.0005	G182-09	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Chromium	1.88	μg/L	1	0.5	G182-09	EMXT	CH2M
					07/26/2006	GW		METAL	SW 7199	Hexavalent chromium	1.12 J	μg/L	0.2	0.1	G182-09	EMXT	CH2M
					07/26/2006	GW		METAL	SW 6020A	Manganese	0.00123	mg/L	0.001	0.0005	G182-09	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Calcium	25.2	mg/L	1	0.05	G182-09	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	G182-09	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Magnesium	10.5	mg/L	1	0.05	G182-09	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Potassium	2.97	mg/L	1	0.05	G182-09	EMXT	CH2M
					07/26/2006	GW		Metals General	SW 6020A	Sodium	69.2	mg/L	1	0.05	G182-09	EMXT	CH2M
				Q03	09/27/2006			ANION	EPA 300.0	Chloride	56.6	mg/L	10		I262-07	EMXT	CH2M
					09/27/2006			ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I262-07	EMXT	CH2M
					09/27/2006			ANION	EPA 300.0	Sulfate	82.2	mg/L	10	5	I262-07	EMXT	CH2M
					09/27/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	138	mg/L	5	1	I262-07	EMXT	CH2M
					09/27/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	138	mg/L	5	1	I262-07	EMXT	CH2M
					09/27/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	325	mg/L	10	5	I262-07	EMXT	CH2M
					09/27/2006	GW		METAL	SW 6020A	Arsenic	0.00859	mg/L	0.005	0.0005	I262-07	EMXT	CH2M
					09/27/2006	GW		METAL	SW 6020A	Chromium	1.36	μg/L	1	0.5	I262-07	EMXT	CH2M
					09/27/2006	GW		METAL	SW 7199	Hexavalent chromium	0.684	μg/L	0.2	0.1	I262-07	EMXT	CH2M
					09/27/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I262-07	EMXT	CH2M
					09/27/2006	GW		Metals General	SW 6020A	Calcium	27.5	mg/L	1	0.05	I262-07	EMXT	CH2M
					09/27/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I262-07	EMXT	CH2M
					09/27/2006	GW		Metals General	SW 6020A	Magnesium	11.5	mg/L	1	0.05	I262-07	EMXT	CH2M
					09/27/2006	GW		Metals General	SW 6020A	Potassium	3.13	mg/L	1	0.05	I262-07	EMXT	CH2M
					09/27/2006	GW		Metals General	SW 6020A	Sodium	86.8	mg/L	1	0.05	I262-07	EMXT	CH2M
				Q04	11/13/2006	GW		ANION	EPA 300.0	Chloride	55.5	mg/L	10	2	K142-07	EMXT	CH2M
					11/13/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K142-07	EMXT	CH2M
					11/13/2006	GW		ANION	EPA 300.0	Sulfate	82	mg/L	10	5	K142-07	EMXT	CH2M
					11/13/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	K142-07	EMXT	CH2M
					11/13/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	K142-07	EMXT	CH2M

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Sample Matrix: GW = Groundwater

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contractor
BGS-31	DOM/ACT																
	2 2 . 4 2 .			Q04	11/13/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	410	mg/L	10	5	K142-07	EMXT	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Arsenic	0.00782	mg/L	0.005	0.0005	K142-07	EMXT	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	K142-07	EMXT	CH2M
					11/13/2006	GW	1	METAL	SW 7199	Hexavalent chromium	0.729	μg/L	0.2	0.1	K142-07	EMXT	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K142-07	EMXT	CH2M
					11/13/2006	GW	1	Metals General	SW 6020A	Calcium	27.3	mg/L	1	0.05	K142-07	EMXT	CH2M
					11/13/2006	GW	1	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K142-07	EMXT	CH2M
					11/13/2006	GW	1	Metals General	SW 6020A	Magnesium	12 J	mg/L	1	0.05	K142-07	EMXT	CH2M
					11/13/2006	GW	1	Metals General	SW 6020A	Potassium	2.92	mg/L	1	0.05	K142-07	EMXT	CH2M
					11/13/2006	GW	1	Metals General	SW 6020A	Sodium	87.7	mg/L	1	0.05	K142-07	EMXT	CH2M

Notes:

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-32	DOM/ACT	73-136															
				Q03	09/26/2006	GW		ANION	EPA 300.0	Chloride	98.3	mg/L	10	2	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		ANION	EPA 353.3	Nitrate as Nitrogen	1.97	mg/L	1	0.1	I248-02T	EMXT	Γ CH2M
					09/26/2006	GW		ANION	EPA 300.0	Sulfate	178	mg/L	10	5	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	I248-02	EMXT	Γ CH2M
					09/26/2006			GENERAL	EPA 160.1	Total dissolved solids	640	mg/L	10	5	I248-02	EMXT	Γ CH2M
					09/26/2006			METAL	SW 6020A	Arsenic	0.0148	mg/L	0.005	0.0005	I248-02	EMXT	Г СН2М
					09/26/2006	GW		METAL	SW 6020A	Chromium	3	μg/L	1	0.5	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		METAL	SW 7199	Hexavalent chromium	1.21 J	μg/L	0.2	0.1	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I248-02	EMXT	Γ CH2M
					09/26/2006			Metals General	SW 6020A	Calcium	28.4	mg/L	1	0.05	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		Metals General	SW 6020A	Magnesium	15.8	mg/L	1	0.05	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		Metals General	SW 6020A	Potassium	4.05	mg/L	1	0.05	I248-02	EMXT	Γ CH2M
					09/26/2006	GW		Metals General	SW 6020A	Sodium	146	mg/L	1	0.05	I248-02	EMXT	CH2M
					09/26/2006		Dup	ANION	EPA 300.0	Chloride	98.6	mg/L	10	2	I248-08	EMXT	CH2M
					09/26/2006	GW	Dup	ANION	EPA 353.3	Nitrate as Nitrogen	1.79	mg/L	0.5	0.05	I248-08	EMXT	CH2M
					09/26/2006	GW	Dup	ANION	EPA 300.0	Sulfate	178	mg/L	10	5	I248-08	EMXT	CH2M
					09/26/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	I248-08	EMXT	CH2M
					09/26/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	I248-08	EMXT	CH2M
					09/26/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	600	mg/L	10	5	I248-08	EMXT	CH2M
					09/26/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.0158	mg/L	0.005	0.0005	I248-08	EMXT	Г СН2М
					09/26/2006	GW	Dup	METAL	SW 6020A	Chromium	3.15	μg/L	1	0.5	I248-08	EMXT	CH2M
					09/26/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	1.07 J	μg/L	0.2	0.1	I248-08	EMXT	Г СН2М
					09/26/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I248-08	EMXT	Г СН2М
					09/26/2006	GW	Dup	Metals General	SW 6020A	Calcium	30.1	mg/L	1	0.05	I248-08	EMXT	Г СН2М
					09/26/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I248-08	EMXT	Г СН2М
					09/26/2006	GW	Dup	Metals General	SW 6020A	Magnesium	16.8	mg/L	1	0.05	I248-08	EMXT	Г СН2М
					09/26/2006	GW	Dup	Metals General	SW 6020A	Potassium	4.31	mg/L	1	0.05	I248-08	EMXT	Г СН2М
					09/26/2006	GW	Dup	Metals General	SW 6020A	Sodium	155	mg/L	1	0.05	I248-08	EMXT	CH2M
				Q04	11/15/2006			ANION	EPA 300.0	Chloride	114	mg/L	20	4	K180-02	EMXT	Г СН2М
					11/15/2006			ANION	EPA 300.0	Nitrate as Nitrogen	2.46	mg/L	0.5	0.05	K180-02	EMXT	Г СН2М
					11/15/2006			ANION	EPA 300.0	Sulfate	202	mg/L	20	10	K180-02	EMXT	
					11/15/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	113	mg/L	5	1	K180-02	EMXT	
					11/15/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	113	mg/L	5	1	K180-02	EMXT	CH2M
					11/15/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	660	mg/L	10	5	K180-02	EMXT	CH2M
					11/15/2006	GW		METAL	SW 6020A	Arsenic	0.0128	mg/L	0.005	0.0005	K180-02	EMXT	г сн2м

Location Types: DOM = domestic supply, AGR = agricultural supply

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-32	DOM/ACT	73-136															
				Q04	11/15/2006	GW	ľ	1ETAL	SW 6020A	Chromium	2.45	μg/L	1	0.5	K180-02	EMXT	CH2M
					11/15/2006	GW	ľ	1ETAL	SW 7199	Hexavalent chromium	1.77	μg/L	1	0.5	K180-02	EMXT	CH2M
					11/15/2006	GW	ľ	1ETAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-02	EMXT	CH2M
					11/15/2006	GW	ľ	1etals General	SW 6020A	Calcium	30	mg/L	1	0.05	K180-02	EMXT	CH2M
					11/15/2006	GW	ľ	1etals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K180-02	EMXT	CH2M
					11/15/2006	GW	ľ	1etals General	SW 6020A	Magnesium	16	mg/L	1	0.05	K180-02	EMXT	CH2M
					11/15/2006	GW	ľ	1etals General	SW 6020A	Potassium	3.88	mg/L	1	0.05	K180-02	EMXT	CH2M
					11/15/2006	GW	1	1etals General	SW 6020A	Sodium	149	mg/L	1	0.05	K180-02	<b>EMXT</b>	CH2M

Notes:

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Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-33	DOM/ACT	55-114														
				Q03	09/26/2006	GW	ANION	EPA 300.0	Chloride	174	mg/L	10	2	I248-03	EMXT	CH2M
					09/26/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	7.91	mg/L	2.5	0.25	I248-03T	<b>EMXT</b>	CH2M
					09/26/2006	GW	ANION	EPA 300.0	Sulfate	259	mg/L	10	5	I248-03	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	113	mg/L	5	1	I248-03	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	113	mg/L	5	1	I248-03	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	900	mg/L	10	5	I248-03	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Arsenic	0.00833	mg/L	0.005	0.0005	I248-03	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Chromium	2.17	μg/L	1	0.5	I248-03	EMXT	CH2M
					09/26/2006	GW	METAL	SW 7199	Hexavalent chromium	0.862 J	μg/L	0.2	0.1	I248-03	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I248-03	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Calcium	58	mg/L	1	0.05	I248-03	<b>EMXT</b>	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I248-03	<b>EMXT</b>	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Magnesium	32.9	mg/L	1	0.05	I248-03	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Potassium	5.36	mg/L	1	0.05	I248-03	<b>EMXT</b>	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Sodium	179	mg/L	1	0.05	I248-03	EMXT	CH2M
				Q04	11/15/2006	GW	ANION	EPA 300.0	Chloride	164	mg/L	20	4	K180-01	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	8.59	mg/L	0.5	0.05	K180-01	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Sulfate	265	mg/L	20	10	K180-01	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	108	mg/L	5	1	K180-01	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	108	mg/L	5	1	K180-01	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	825	mg/L	10	5	K180-01	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Arsenic	0.0073	mg/L	0.005	0.0005	K180-01	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Chromium	1.71	μg/L	1	0.5	K180-01	EMXT	CH2M
					11/15/2006	GW	METAL	SW 7199	Hexavalent chromium	2.1	μg/L	1	0.5	K180-01	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-01	<b>EMXT</b>	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Calcium	49.7	mg/L	1	0.05	K180-01	<b>EMXT</b>	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K180-01	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Magnesium	26	mg/L	1	0.05	K180-01	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Potassium	4.51	mg/L	1	0.05	K180-01	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Sodium	163	mg/L	1	0.05	K180-01	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-34	DOM/ACT	42-147														
				Q03	09/26/2006	GW	ANION	EPA 300.0	Chloride	55.2	mg/L	10	2	I248-04	<b>EMXT</b>	CH2M
					09/26/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I248-04	EMXT	CH2M
					09/26/2006	GW	ANION	EPA 300.0	Sulfate	86.3	mg/L	10	5	I248-04	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	I248-04	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	I248-04	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	410	mg/L	10	5	I248-04	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Arsenic	0.0123	mg/L	0.005	0.0005	I248-04	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Chromium	1.88	μg/L	1	0.5	I248-04	EMXT	CH2M
					09/26/2006	GW	METAL	SW 7199	Hexavalent chromium	1.23 J	μg/L	0.2	0.1	I248-04	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I248-04	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Calcium	19.3	mg/L	1	0.05	I248-04	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I248-04	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Magnesium	10	mg/L	1	0.05	I248-04	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Potassium	2.93	mg/L	1	0.05	I248-04	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Sodium	104	mg/L	1	0.05	I248-04	EMXT	CH2M
				Q04	11/13/2006	GW	ANION	EPA 300.0	Chloride	56.5	mg/L	10	2	K142-01	EMXT	CH2M
					11/13/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K142-01	EMXT	CH2M
					11/13/2006	GW	ANION	EPA 300.0	Sulfate	87.7	mg/L	10	5	K142-01	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	K142-01	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	K142-01	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	390	mg/L	10	5	K142-01	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Arsenic	0.0109	mg/L	0.005	0.0005	K142-01	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Chromium	1.42	μg/L	1	0.5	K142-01	EMXT	CH2M
					11/13/2006	GW	METAL	SW 7199	Hexavalent chromium	1.19	μg/L	0.2	0.1	K142-01	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K142-01	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Calcium	18.3	mg/L	1	0.05	K142-01	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K142-01	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Magnesium	9.82 J	mg/L	1	0.05	K142-01	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Potassium	2.67	mg/L	1	0.05	K142-01	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Sodium	98.5	mg/L	1	0.05	K142-01	EMXT	CH2M

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Sample Type	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-35	DOM/ACT																
				Q03	09/26/2006	GW		ANION	EPA 300.0	Chloride	86.2	mg/L	10	2	I248-05	EMXT	CH2M
					09/26/2006	GW		ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I248-05	EMXT	CH2M
					09/26/2006	GW		ANION	EPA 300.0	Sulfate	104	mg/L	10	5	I248-05	EMXT	CH2M
					09/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	118	mg/L	5	1	I248-05	EMXT	CH2M
					09/26/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	118	mg/L	5	1	I248-05	EMXT	CH2M
					09/26/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	455	mg/L	10	5	I248-05	EMXT	CH2M
					09/26/2006	GW		METAL	SW 6020A	Arsenic	0.0121	mg/L	0.005	0.0005	I248-05	EMXT	CH2M
					09/26/2006	GW		METAL	SW 6020A	Chromium	2.5	μg/L	1	0.5	I248-05	EMXT	CH2M
					09/26/2006	GW		METAL	SW 7199	Hexavalent chromium	1.5 J	μg/L	0.2	0.1	I248-05	EMXT	CH2M
					09/26/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I248-05	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Calcium	23.7	mg/L	1	0.05	I248-05	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I248-05	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Magnesium	12.5	mg/L	1	0.05	I248-05	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Potassium	3.28	mg/L	1	0.05	I248-05	EMXT	CH2M
					09/26/2006	GW		Metals General	SW 6020A	Sodium	110	mg/L	1	0.05	I248-05	EMXT	CH2M
				Q04	11/15/2006	GW		ANION	EPA 300.0	Chloride	82.8	mg/L	10	2	K180-03	EMXT	CH2M
					11/15/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K180-03	EMXT	CH2M
					11/15/2006	GW		ANION	EPA 300.0	Sulfate	107	mg/L	10	5	K180-03	EMXT	CH2M
					11/15/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	120	mg/L	5	1	K180-03	EMXT	CH2M
					11/15/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	120	mg/L	5	1	K180-03	EMXT	CH2M
					11/15/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	450	mg/L	10	5	K180-03	EMXT	CH2M
					11/15/2006	GW		METAL	SW 6020A	Arsenic	0.0115	mg/L	0.005	0.0005	K180-03	EMXT	CH2M
					11/15/2006	GW		METAL	SW 6020A	Chromium	2.3	μg/L	1	0.5	K180-03	EMXT	CH2M
					11/15/2006	GW		METAL	SW 7199	Hexavalent chromium	2.56	μg/L	0.4	0.2	K180-03	EMXT	CH2M
					11/15/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-03	EMXT	CH2M
					11/15/2006	GW		Metals General	SW 6020A	Calcium	23.2	mg/L	1	0.05	K180-03	EMXT	CH2M
			11/15/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K180-03	EMXT	CH2M		
					11/15/2006	GW		Metals General	SW 6020A	Magnesium	11.8	mg/L	1	0.05	K180-03	EMXT	CH2M
					11/15/2006	GW		Metals General	SW 6020A	Potassium	3.04	mg/L	1	0.05	K180-03	EMXT	CH2M
					11/15/2006	GW		Metals General	SW 6020A	Sodium	110	mg/L	1	0.05	K180-03	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	ontracto
BGS-36	DOM/ACT	85-165														
				Q03	09/26/2006	GW	ANION	EPA 300.0	Chloride	58.7	mg/L	10	2	I248-06	<b>EMXT</b>	CH2M
					09/26/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I248-06	EMXT	CH2M
					09/26/2006	GW	ANION	EPA 300.0	Sulfate	93	mg/L	10	5	I248-06	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	130	mg/L	5	1	I248-06	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	130	mg/L	5	1	I248-06	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	430	mg/L	10	5	I248-06	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Arsenic	0.0121	mg/L	0.005	0.0005	I248-06	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Chromium	2.69	μg/L	1	0.5	I248-06	EMXT	CH2M
					09/26/2006	GW	METAL	SW 7199	Hexavalent chromium	2.1 J	μg/L	0.2	0.1	I248-06	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I248-06	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Calcium	24.4	mg/L	1	0.05	I248-06	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I248-06	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Magnesium	12.1	mg/L	1	0.05	I248-06	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Potassium	3.22	mg/L	1	0.05	I248-06	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Sodium	94.5	mg/L	1	0.05	I248-06	EMXT	CH2M
				Q04	11/13/2006	GW	ANION	EPA 300.0	Chloride	58.3	mg/L	10	2	K142-02	EMXT	CH2M
					11/13/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K142-02	EMXT	CH2M
					11/13/2006	GW	ANION	EPA 300.0	Sulfate	92.7	mg/L	10	5	K142-02	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	K142-02	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	K142-02	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	410	mg/L	10	5	K142-02	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Arsenic	0.0114	mg/L	0.005	0.0005	K142-02	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Chromium	2.33	μg/L	1	0.5	K142-02	EMXT	CH2M
					11/13/2006	GW	METAL	SW 7199	Hexavalent chromium	2.62	μg/L	0.2	0.1	K142-02	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K142-02	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Calcium	24.4	mg/L	1	0.05	K142-02	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K142-02	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Magnesium	12 J	mg/L	1	0.05	K142-02	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Potassium	3.08	mg/L	1	0.05	K142-02	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Sodium	95	mg/L	1	0.05	K142-02	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	ontracto
BGS-37	DOM/ACT	55-160														
				Q03	09/26/2006	GW	ANION	EPA 300.0	Chloride	54.6	mg/L	10	2	I248-07	<b>EMXT</b>	CH2M
					09/26/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I248-07	EMXT	CH2M
					09/26/2006	GW	ANION	EPA 300.0	Sulfate	84.5	mg/L	10	5	I248-07	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	I248-07	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	I248-07	EMXT	CH2M
					09/26/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	415	mg/L	10	5	I248-07	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Arsenic	0.0117	mg/L	0.005	0.0005	I248-07	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Chromium	2.44	μg/L	1	0.5	I248-07	EMXT	CH2M
					09/26/2006	GW	METAL	SW 7199	Hexavalent chromium	1.34 J	μg/L	0.2	0.1	I248-07	EMXT	CH2M
					09/26/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I248-07	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Calcium	21.4	mg/L	1	0.05	I248-07	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I248-07	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Magnesium	10.9	mg/L	1	0.05	I248-07	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Potassium	2.99	mg/L	1	0.05	I248-07	EMXT	CH2M
					09/26/2006	GW	Metals General	SW 6020A	Sodium	95.9	mg/L	1	0.05	I248-07	EMXT	CH2M
				Q04	11/13/2006	GW	ANION	EPA 300.0	Chloride	54.4	mg/L	10	2	K142-05	EMXT	CH2M
					11/13/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K142-05	EMXT	CH2M
					11/13/2006	GW	ANION	EPA 300.0	Sulfate	83.6	mg/L	10	5	K142-05	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	K142-05	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	K142-05	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	390	mg/L	10	5	K142-05	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Arsenic	0.0117	mg/L	0.005	0.0005	K142-05	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Chromium	2	μg/L	1	0.5	K142-05	EMXT	CH2M
					11/13/2006	GW	METAL	SW 7199	Hexavalent chromium	1.65	μg/L	0.2	0.1	K142-05	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K142-05	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Calcium	21.3	mg/L	1	0.05	K142-05	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K142-05	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Magnesium	11 J	mg/L	1	0.05	K142-05	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Potassium	2.83	mg/L	1	0.05	K142-05	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Sodium	95.1	mg/L	1	0.05	K142-05	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

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Sample Matrix: GW = Groundwater

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	ontracto
BGS-38	DOM/ACT															
				Q03	09/27/2006	GW	ANION	EPA 300.0	Chloride	73.3	mg/L	10	2	I262-01	<b>EMXT</b>	CH2M
					09/27/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I262-01	EMXT	CH2M
					09/27/2006	GW	ANION	EPA 300.0	Sulfate	129	mg/L	10	5	I262-01	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	I262-01	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	I262-01	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	435	mg/L	10	5	I262-01	EMXT	CH2M
					09/27/2006	GW	METAL	SW 6020A	Arsenic	0.0136	mg/L	0.005	0.0005	I262-01	<b>EMXT</b>	CH2M
					09/27/2006	GW	METAL	SW 6020A	Chromium	2.67	μg/L	1	0.5	I262-01	<b>EMXT</b>	CH2M
					09/27/2006	GW	METAL	SW 7199	Hexavalent chromium	2.05	μg/L	0.2	0.1	I262-01	EMXT	CH2M
					09/27/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I262-01	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Calcium	19.1	mg/L	1	0.05	I262-01	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I262-01	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Magnesium	10.8	mg/L	1	0.05	I262-01	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Potassium	3.29	mg/L	1	0.05	I262-01	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Sodium	116	mg/L	1	0.05	I262-01	EMXT	CH2M
				Q04	11/13/2006	GW	ANION	EPA 300.0	Chloride	69.7	mg/L	10	2	K142-03	EMXT	CH2M
					11/13/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K142-03	EMXT	CH2M
					11/13/2006	GW	ANION	EPA 300.0	Sulfate	124	mg/L	10	5	K142-03	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	K142-03	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	K142-03	EMXT	CH2M
					11/13/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	465	mg/L	10	5	K142-03	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Arsenic	0.0133	mg/L	0.005	0.0005	K142-03	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Chromium	2.41	μg/L	1	0.5	K142-03	EMXT	CH2M
					11/13/2006	GW	METAL	SW 7199	Hexavalent chromium	2.44	μg/L	0.2	0.1	K142-03	EMXT	CH2M
					11/13/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K142-03	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Calcium	19.1	mg/L	1	0.05	K142-03	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K142-03	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Magnesium	11.7 J	mg/L	1	0.05	K142-03	<b>EMXT</b>	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Potassium	3.18	mg/L	1	0.05	K142-03	EMXT	CH2M
					11/13/2006	GW	Metals General	SW 6020A	Sodium	119	mg/L	1	0.05	K142-03	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-39	DOM/ACT	72-152														
				Q03	09/27/2006	GW	ANION	EPA 300.0	Chloride	45.7	mg/L	10	2	I262-02	EMXT	CH2M
					09/27/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I262-02	EMXT	CH2M
					09/27/2006	GW	ANION	EPA 300.0	Sulfate	59.5	mg/L	10	5	I262-02	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	138	mg/L	5	1	I262-02	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	138	mg/L	5	1	I262-02	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	275	mg/L	10	5	I262-02	EMXT	CH2M
					09/27/2006	GW	METAL	SW 6020A	Arsenic	0.0107	mg/L	0.005	0.0005	I262-02	EMXT	CH2M
					09/27/2006	GW	METAL	SW 6020A	Chromium	1.97	μg/L	1	0.5	I262-02	<b>EMXT</b>	CH2M
					09/27/2006	GW	METAL	SW 7199	Hexavalent chromium	1.3	μg/L	0.2	0.1	I262-02	<b>EMXT</b>	CH2M
					09/27/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I262-02	<b>EMXT</b>	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Calcium	25.1	mg/L	1	0.05	I262-02	<b>EMXT</b>	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I262-02	<b>EMXT</b>	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Magnesium	9.9	mg/L	1	0.05	I262-02	<b>EMXT</b>	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Potassium	2.85	mg/L	1	0.05	I262-02	<b>EMXT</b>	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Sodium	68.2	mg/L	1	0.05	I262-02	EMXT	CH2M
				Q04	11/15/2006	GW	ANION	EPA 300.0	Chloride	47.6	mg/L	5	1	K180-06	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K180-06	<b>EMXT</b>	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Sulfate	62.5	mg/L	5	2.5	K180-06	<b>EMXT</b>	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	135	mg/L	5	1	K180-06	<b>EMXT</b>	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	135	mg/L	5	1	K180-06	<b>EMXT</b>	CH2M
					11/15/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	340	mg/L	10	5	K180-06	<b>EMXT</b>	CH2M
					11/15/2006	GW	METAL	SW 6020A	Arsenic	0.0107	mg/L	0.005	0.0005	K180-06	<b>EMXT</b>	CH2M
					11/15/2006	GW	METAL	SW 6020A	Chromium	2.18	μg/L	1	0.5	K180-06	<b>EMXT</b>	CH2M
					11/15/2006	GW	METAL	SW 7199	Hexavalent chromium	2.56	μg/L	1	0.5	K180-06	<b>EMXT</b>	CH2M
					11/15/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-06	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Calcium	27.1	mg/L	1	0.05	K180-06	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	K180-06	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Magnesium	10.4 J	mg/L	1	0.05	K180-06	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Potassium	2.87	mg/L	1	0.05	K180-06	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Sodium	75.5	mg/L	1	0.05	K180-06	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	ontracto
BGS-40	DOM/ACT															
				Q03	09/27/2006	GW	ANION	EPA 300.0	Chloride	40.4	mg/L	10	2	I262-03	<b>EMXT</b>	CH2M
					09/27/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I262-03	EMXT	CH2M
					09/27/2006	GW	ANION	EPA 300.0	Sulfate	52	mg/L	10	5	I262-03	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	I262-03	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	140	mg/L	5	1	I262-03	EMXT	CH2M
					09/27/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	275	mg/L	10	5	I262-03	EMXT	CH2M
					09/27/2006	GW	METAL	SW 6020A	Arsenic	0.01	mg/L	0.005	0.0005	I262-03	EMXT	CH2M
					09/27/2006	GW	METAL	SW 6020A	Chromium	2.26	μg/L	1	0.5	I262-03	EMXT	CH2M
					09/27/2006	GW	METAL	SW 7199	Hexavalent chromium	2.03	μg/L	0.2	0.1	I262-03	EMXT	CH2M
					09/27/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I262-03	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Calcium	24.3	mg/L	1	0.05	I262-03	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I262-03	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Magnesium	8.99	mg/L	1	0.05	I262-03	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Potassium	2.76	mg/L	1	0.05	I262-03	EMXT	CH2M
					09/27/2006	GW	Metals General	SW 6020A	Sodium	69.6	mg/L	1	0.05	I262-03	EMXT	CH2M
				Q04	11/15/2006	GW	ANION	EPA 300.0	Chloride	42.9	mg/L	5	1	K180-07	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K180-07	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Sulfate	54.3	mg/L	5	2.5	K180-07	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	138	mg/L	5	1	K180-07	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	138	mg/L	5	1	K180-07	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	500	mg/L	10	5	K180-07	<b>EMXT</b>	CH2M
					11/15/2006	GW	METAL	SW 6020A	Arsenic	0.00945	mg/L	0.005	0.0005	K180-07	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Chromium	2.04	μg/L	1	0.5	K180-07	EMXT	CH2M
					11/15/2006	GW	METAL	SW 7199	Hexavalent chromium	2.47	μg/L	0.2	0.1	K180-07	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-07	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Calcium	25.7	mg/L	1	0.05	K180-07	<b>EMXT</b>	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K180-07	<b>EMXT</b>	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Magnesium	9.02 J	mg/L	1	0.05	K180-07	<b>EMXT</b>	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Potassium	2.68	mg/L	1	0.05	K180-07	<b>EMXT</b>	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Sodium	75.3	mg/L	1	0.05	K180-07	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-41	DOM/ACT																
				Q03	09/27/2006	GW		ANION	EPA 300.0	Chloride	140	mg/L	10	2	I262-04	EMXT	Г СН2М
					09/27/2006	GW		ANION	EPA 353.3	Nitrate as Nitrogen	3.02	mg/L	0.5	0.05	I262-04T	EMXT	Г СН2М
					09/27/2006	GW		ANION	EPA 300.0	Sulfate	197	mg/L	10	5	I262-04	EMXT	Г СН2М
					09/27/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	118	mg/L	5	1	I262-04	EMXT	Г СН2М
					09/27/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	118	mg/L	5	1	I262-04	EMXT	Г СН2М
					09/27/2006			GENERAL	EPA 160.1	Total dissolved solids	635	mg/L	10	5	I262-04	EMXT	Г СН2М
					09/27/2006	GW		METAL	SW 6020A	Arsenic	0.00606	mg/L	0.005	0.0005	I262-04	EMXT	Г СН2М
					09/27/2006	GW		METAL	SW 6020A	Chromium	1.57	μg/L	1	0.5	I262-04	EMXT	Г СН2М
					09/27/2006	GW		METAL	SW 7199	Hexavalent chromium	1	μg/L	0.2	0.1	I262-04	EMXT	Г СН2М
					09/27/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I262-04	EMXT	Г СН2М
					09/27/2006	GW		Metals General	SW 6020A	Calcium	69.5	mg/L	1	0.05	I262-04	EMXT	Г СН2М
					09/27/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I262-04	EMXT	Г СН2М
					09/27/2006	GW		Metals General	SW 6020A	Magnesium	25.7	mg/L	1	0.05	I262-04	EMXT	Г СН2М
					09/27/2006			Metals General	SW 6020A	Potassium	4.67	mg/L	1	0.05	I262-04	EMXT	Г СН2М
					09/27/2006	GW		Metals General	SW 6020A	Sodium	105	mg/L	1	0.05	I262-04	EMXT	Г СН2М
					09/27/2006		Dup	ANION	EPA 300.0	Chloride	137	mg/L	10	2	I262-05	EMXT	Г СН2М
					09/27/2006		Dup	ANION	EPA 353.3	Nitrate as Nitrogen	2.86	mg/L	0.5	0.05	I262-05T	EMXT	Г СН2М
					09/27/2006	GW	Dup	ANION	EPA 300.0	Sulfate	191	mg/L	10	5	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	120	mg/L	5	1	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	120	mg/L	5	1	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	615	mg/L	10	5	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.00575	mg/L	0.005	0.0005	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	METAL	SW 6020A	Chromium	1.54	μg/L	1	0.5	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	0.957	μg/L	0.2	0.1	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	Metals General	SW 6020A	Calcium	66.8	mg/L	1	0.05	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	Metals General	SW 6020A	Magnesium	24.5	mg/L	1	0.05	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	Metals General	SW 6020A	Potassium	4.55	mg/L	1	0.05	I262-05	EMXT	Г СН2М
					09/27/2006	GW	Dup	Metals General	SW 6020A	Sodium	99.5	mg/L	1	0.05	I262-05	EMXT	Г СН2М
				Q04	11/14/2006			ANION	EPA 300.0	Chloride	142	mg/L	10	2	K156-02	EMXT	
					11/14/2006			ANION	EPA 300.0	Nitrate as Nitrogen	2.91	mg/L	0.5	0.05	K156-02	EMXT	Г СН2М
					11/14/2006	GW		ANION	EPA 300.0	Sulfate	193	mg/L	10	5	K156-02	EMXT	
					11/14/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	120	mg/L	5	1	K156-02	EMXT	
					11/14/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	120	mg/L	5	1	K156-02	EMXT	Г СН2М
					11/14/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	685	mg/L	10	5	K156-02	EMXT	Г СН2М
					11/14/2006	GW		METAL	SW 6020A	Arsenic	0.00554	mg/L	0.005	0.0005	K156-02	EMXT	Г СН2М

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-41	DOM/ACT																
				Q04	11/14/2006	GW		METAL	SW 6020A	Chromium	1.41	μg/L	1	0.5	K156-02	EMXT	CH2M
					11/14/2006	GW		METAL	SW 7199	Hexavalent chromium	1.46 J	μg/L	0.2	0.1	K156-02	EMXT	CH2M
					11/14/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K156-02	EMXT	CH2M
					11/14/2006	GW		Metals General	SW 6020A	Calcium	65.1	mg/L	1	0.05	K156-02	EMXT	CH2M
					11/14/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K156-02	EMXT	CH2M
					11/14/2006	GW		Metals General	SW 6020A	Magnesium	28 J	mg/L	1	0.05	K156-02	EMXT	CH2M
					11/14/2006	GW		Metals General	SW 6020A	Potassium	4.63	mg/L	1	0.05	K156-02	EMXT	CH2M
					11/14/2006	GW		Metals General	SW 6020A	Sodium	98.2	mg/L	1	0.05	K156-02	EMXT	CH2M
					11/14/2006	GW	Dup	ANION	EPA 300.0	Chloride	143	mg/L	10	2	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	2.92	mg/L	0.5	0.05	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	ANION	EPA 300.0	Sulfate	199	mg/L	10	5	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	113	mg/L	5	1	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	113	mg/L	5	1	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	730	mg/L	10	5	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.0054	mg/L	0.005	0.0005	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	METAL	SW 6020A	Chromium	1.38	μg/L	1	0.5	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	1.42 J	μg/L	0.2	0.1	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	Metals General	SW 6020A	Calcium	66	mg/L	1	0.05	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	Metals General	SW 6020A	Magnesium	27.9 J	mg/L	1	0.05	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	Metals General	SW 6020A	Potassium	4.67	mg/L	1	0.05	K156-03	EMXT	CH2M
					11/14/2006	GW	Dup	Metals General	SW 6020A	Sodium	98.6	mg/L	1	0.05	K156-03	EMXT	CH2M

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix		•	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab (	Contracto
BGS-42	DOM/ACT																
				Q03	09/27/2006	GW		ANION	EPA 300.0	Chloride	54.9	mg/L	10	2	I262-06	EMXT	
					09/27/2006	GW		ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I262-06	EMXT	CH2M
					09/27/2006			ANION	EPA 300.0	Sulfate	83.3	mg/L	10		I262-06	EMXT	CH2M
					09/27/2006			GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	130	mg/L	5	1	I262-06	EMXT	
					09/27/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	130	mg/L	5	1	I262-06	EMXT	CH2M
					09/27/2006			GENERAL	EPA 160.1	Total dissolved solids	325	mg/L	10	5	I262-06	EMXT	CH2M
					09/27/2006			METAL	SW 6020A	Arsenic	0.0104	mg/L	0.005	0.0005	I262-06	EMXT	CH2M
					09/27/2006	GW		METAL	SW 6020A	Chromium	2.29	μg/L	1	0.5	I262-06	EMXT	CH2M
					09/27/2006	GW		METAL	SW 7199	Hexavalent chromium	1.56	μg/L	0.2	0.1	I262-06	EMXT	CH2M
					09/27/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I262-06	EMXT	CH2M
					09/27/2006	GW		Metals General	SW 6020A	Calcium	23.3	mg/L	1	0.05	I262-06	EMXT	CH2M
					09/27/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I262-06	EMXT	CH2M
					09/27/2006			Metals General	SW 6020A	Magnesium	10.7	mg/L	1	0.05	I262-06	EMXT	
					09/27/2006	GW		Metals General	SW 6020A	Potassium	2.98	mg/L	1	0.05	I262-06	EMXT	CH2M
					09/27/2006	GW		Metals General	SW 6020A	Sodium	82.9	mg/L	1	0.05	I262-06	EMXT	CH2M
				Q04	11/15/2006			ANION	EPA 300.0	Chloride	55.4 J	mg/L	5		K180-04I	EMXT	CH2M
					11/15/2006			ANION	EPA 300.0	Nitrate as Nitrogen	0.5 R	mg/L	0.5		K180-04R	EMXT	
					11/15/2006			ANION	EPA 300.0	Sulfate	85.6 J	mg/L	5	2.5	K180-04I	EMXT	CH2M
					11/15/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	128	mg/L	5	1	K180-04	EMXT	CH2M
					11/15/2006			GENERAL	EPA 310.1	Alkalinity, total as CaCO3	128	mg/L	5		K180-04	EMXT	CH2M
					11/15/2006			GENERAL	EPA 160.1	Total dissolved solids	400	mg/L	10	5	K180-04	EMXT	
					11/15/2006	GW		METAL	SW 6020A	Arsenic	0.0101	mg/L	0.005	0.0005	K180-04	EMXT	CH2M
					11/15/2006	GW		METAL	SW 6020A	Chromium	2.08	μg/L	1	0.5	K180-04	EMXT	CH2M
					11/15/2006			METAL	SW 7199	Hexavalent chromium	2.35	μg/L	1	0.5	K180-04	EMXT	CH2M
					11/15/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-04	EMXT	CH2M
					11/15/2006	GW		Metals General	SW 6020A	Calcium	24.8	mg/L	1	0.05	K180-04	EMXT	CH2M
					11/15/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K180-04	EMXT	CH2M
					11/15/2006	GW		Metals General	SW 6020A	Magnesium	10.8	mg/L	1	0.05	K180-04	EMXT	CH2M
					11/15/2006	GW		Metals General	SW 6020A	Potassium	2.85	mg/L	1	0.05	K180-04	<b>EMXT</b>	CH2M
					11/15/2006	GW		Metals General	SW 6020A	Sodium	89.5	mg/L	1	0.05	K180-04	EMXT	CH2M
					11/15/2006	GW	Dup	ANION	EPA 300.0	Chloride	56.4	mg/L	5	1	K180-05	EMXT	CH2M
					11/15/2006	GW	Dup	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K180-05	EMXT	CH2M
					11/15/2006	GW	Dup	ANION	EPA 300.0	Sulfate	85.1	mg/L	5	2.5	K180-05	EMXT	CH2M
					11/15/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	K180-05	EMXT	CH2M
					11/15/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	K180-05	EMXT	CH2M
					11/15/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	415	mg/L	10	5	K180-05	EMXT	CH2M
					11/15/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.0102	mg/L	0.005	0.0005	K180-05	EMXT	CH2M

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab Con	ntractor
BGS-42	DOM/ACT																
				Q04	11/15/2006	GW	Dup	METAL	SW 6020A	Chromium	2.06	μg/L	1	0.5	K180-05	EMXT C	CH2M
					11/15/2006	GW	Dup	METAL	SW 7199	Hexavalent chromium	2.14	μg/L	0.4	0.2	K180-05	EMXT C	CH2M
					11/15/2006	GW	Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-05	EMXT C	CH2M
					11/15/2006	GW	Dup	Metals General	SW 6020A	Calcium	24.8	mg/L	1	0.05	K180-05	EMXT C	CH2M
					11/15/2006	GW	Dup	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K180-05	EMXT C	CH2M
					11/15/2006	GW	Dup	Metals General	SW 6020A	Magnesium	11	mg/L	1	0.05	K180-05	EMXT C	CH2M
					11/15/2006	GW	Dup	Metals General	SW 6020A	Potassium	2.89	mg/L	1	0.05	K180-05	EMXT C	CH2M
					11/15/2006	GW	Dup	Metals General	SW 6020A	Sodium	88.8	mg/L	1	0.05	K180-05	EMXT C	CH2M

Notes:

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Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	ontracto
BGS-43	DOM/ACT															
				Q03	09/28/2006	GW	ANION	EPA 300.0	Chloride	40.4	mg/L	10	2	I280-01	<b>EMXT</b>	CH2M
					09/28/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I280-01	EMXT	CH2M
					09/28/2006	GW	ANION	EPA 300.0	Sulfate	48.1	mg/L	10	5	I280-01	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	128	mg/L	5	1	I280-01	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	128	mg/L	5	1	I280-01	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	260	mg/L	10	5	I280-01	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Arsenic	0.00874	mg/L	0.005	0.0005	I280-01	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Chromium	1.94	μg/L	1	0.5	I280-01	EMXT	CH2M
					09/28/2006	GW	METAL	SW 7199	Hexavalent chromium	1.88	μg/L	0.2	0.1	I280-01	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I280-01	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Calcium	26.2	mg/L	1	0.05	I280-01	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I280-01	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Magnesium	7.96	mg/L	1	0.05	I280-01	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Potassium	3.1	mg/L	1	0.05	I280-01	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Sodium	64.4	mg/L	1	0.05	I280-01	EMXT	CH2M
				Q04	11/14/2006	GW	ANION	EPA 300.0	Chloride	41.7	mg/L	5	1	K156-05	EMXT	CH2M
					11/14/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K156-05	EMXT	CH2M
					11/14/2006	GW	ANION	EPA 300.0	Sulfate	49.6	mg/L	5	2.5	K156-05	EMXT	CH2M
					11/14/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	120	mg/L	5	1	K156-05	EMXT	CH2M
					11/14/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	120	mg/L	5	1	K156-05	EMXT	CH2M
					11/14/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	335	mg/L	10	5	K156-05	EMXT	CH2M
					11/14/2006	GW	METAL	SW 6020A	Arsenic	0.00777	mg/L	0.005	0.0005	K156-05	EMXT	CH2M
					11/14/2006	GW	METAL	SW 6020A	Chromium	1.59	μg/L	1	0.5	K156-05	EMXT	CH2M
					11/14/2006	GW	METAL	SW 7199	Hexavalent chromium	1.59	μg/L	0.2	0.1	K156-05	EMXT	CH2M
					11/14/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K156-05	EMXT	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Calcium	23.3	mg/L	1	0.05	K156-05	EMXT	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K156-05	EMXT	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Magnesium	8.45 J	mg/L	1	0.05	K156-05	<b>EMXT</b>	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Potassium	2.88	mg/L	1	0.05	K156-05	EMXT	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Sodium	59	mg/L	1	0.05	K156-05	EMXT	CH2M

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APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-44	DOM/ACT															
				Q03	09/28/2006	GW	ANION	EPA 300.0	Chloride	43.7	mg/L	10	2	I280-02	<b>EMXT</b>	CH2M
					09/28/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I280-02	EMXT	CH2M
					09/28/2006	GW	ANION	EPA 300.0	Sulfate	54.7	mg/L	10	5	I280-02	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	128	mg/L	5	1	I280-02	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	128	mg/L	5	1	I280-02	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	285	mg/L	10	5	I280-02	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Arsenic	0.00937	mg/L	0.005	0.0005	I280-02	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Chromium	2.02	μg/L	1	0.5	I280-02	EMXT	CH2M
					09/28/2006	GW	METAL	SW 7199	Hexavalent chromium	1.85	μg/L	0.2	0.1	I280-02	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I280-02	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Calcium	26.3	mg/L	1	0.05	I280-02	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I280-02	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Magnesium	8.51	mg/L	1	0.05	I280-02	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Potassium	3.13	mg/L	1	0.05	I280-02	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Sodium	66.4	mg/L	1	0.05	I280-02	EMXT	CH2M
				Q04	11/14/2006	GW	ANION	EPA 300.0	Chloride	45.1	mg/L	5	1	K156-06	EMXT	CH2M
					11/14/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K156-06	EMXT	CH2M
					11/14/2006	GW	ANION	EPA 300.0	Sulfate	56.8	mg/L	5	2.5	K156-06	EMXT	CH2M
					11/14/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	K156-06	EMXT	CH2M
					11/14/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	K156-06	EMXT	CH2M
					11/14/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	345	mg/L	10	5	K156-06	EMXT	CH2M
					11/14/2006	GW	METAL	SW 6020A	Arsenic	0.00854	mg/L	0.005	0.0005	K156-06	EMXT	CH2M
					11/14/2006	GW	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	K156-06	EMXT	CH2M
					11/14/2006	GW	METAL	SW 7199	Hexavalent chromium	1.69 J	μg/L	0.2	0.1	K156-06	EMXT	CH2M
					11/14/2006	GW	METAL	SW 6020A	Manganese	0.0112	mg/L	0.01	0.0005	K156-06	<b>EMXT</b>	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Calcium	24.4	mg/L	1	0.05	K156-06	<b>EMXT</b>	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K156-06	EMXT	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Magnesium	9.29 J	mg/L	1	0.05	K156-06	<b>EMXT</b>	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Potassium	2.94	mg/L	1	0.05	K156-06	EMXT	CH2M
					11/14/2006	GW	Metals General	SW 6020A	Sodium	63	mg/L	1	0.05	K156-06	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

	Type/	Perf.	Discrete		Sample	Sample	•	•		_							
Location	Status	Int-ft	Dep-ft	Quarter	Date	Matrix	Туре	Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contractor
BGS-45	DOM/ACT																
				Q03	09/28/2006	GW		ANION	EPA 300.0	Chloride	107	mg/L	10	2	I280-03	EMXT	CH2M
					09/28/2006	GW		ANION	EPA 353.3	Nitrate as Nitrogen	1.9	mg/L	0.5	0.05	I280-03	EMXT	CH2M
					09/28/2006	GW		ANION	EPA 300.0	Sulfate	177	mg/L	10	5	I280-03	EMXT	CH2M
					09/28/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	120	mg/L	5	1	I280-03	EMXT	CH2M
					09/28/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	120	mg/L	5	1	I280-03	EMXT	CH2M
					09/28/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	550	mg/L	10	5	I280-03	<b>EMXT</b>	CH2M
					09/28/2006	GW	I	METAL	SW 6020A	Arsenic	0.0076	mg/L	0.005	0.0005	I280-03	EMXT	CH2M
					09/28/2006	GW	I	METAL	SW 6020A	Chromium	1.93	μg/L	1	0.5	I280-03	EMXT	CH2M
					09/28/2006	GW	I	METAL	SW 7199	Hexavalent chromium	1.77	μg/L	0.2	0.1	I280-03	EMXT	CH2M
					09/28/2006	GW	I	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I280-03	EMXT	CH2M
					09/28/2006	GW	I	Metals General	SW 6020A	Calcium	59.8	mg/L	1	0.05	I280-03	EMXT	CH2M
					09/28/2006	GW	I	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I280-03	EMXT	CH2M
					09/28/2006	GW	1	Metals General	SW 6020A	Magnesium	21.9	mg/L	1	0.05	I280-03	EMXT	CH2M
					09/28/2006	GW	1	Metals General	SW 6020A	Potassium	4.43	mg/L	1	0.05	I280-03	EMXT	CH2M
					09/28/2006	GW	1	Metals General	SW 6020A	Sodium	105	mg/L	1	0.05	I280-03	EMXT	CH2M

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	ontracto
BGS-46	DOM/ACT															
				Q03	09/28/2006	GW	ANION	EPA 300.0	Chloride	22.7	mg/L	10	2	I280-04	EMXT	CH2M
					09/28/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I280-04	EMXT	CH2M
					09/28/2006	GW	ANION	EPA 300.0	Sulfate	28.2	mg/L	10	5	I280-04	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	115	mg/L	5	1	I280-04	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	115	mg/L	5	1	I280-04	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	190	mg/L	10	5	I280-04	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	I280-04	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Chromium	2.38	μg/L	1	0.5	I280-04	EMXT	CH2M
					09/28/2006	GW	METAL	SW 7199	Hexavalent chromium	2.2	μg/L	0.2	0.1	I280-04	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I280-04	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Calcium	23.1	mg/L	1	0.05	I280-04	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I280-04	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Magnesium	3.55	mg/L	1	0.05	I280-04	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Potassium	1.4	mg/L	1	0.05	I280-04	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Sodium	51.4	mg/L	1	0.05	I280-04	EMXT	CH2M
				Q04	11/15/2006	GW	ANION	EPA 300.0	Chloride	22.9 J	mg/L	2.5	0.5	K180-09I	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	0.5 R	mg/L	0.5	0.05	K180-09R	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Sulfate	29.2 J	mg/L	2.5	1.25	K180-09I	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	118	mg/L	5	1	K180-09	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	118	mg/L	5	1	K180-09	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	245	mg/L	10	5	K180-09	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Arsenic	ND < 0.005	mg/L	0.005	0.0005	K180-09	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Chromium	1.81	μg/L	1	0.5	K180-09	EMXT	CH2M
					11/15/2006	GW	METAL	SW 7199	Hexavalent chromium	2.44	μg/L	1	0.5	K180-09	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-09	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Calcium	23.2	mg/L	1	0.05	K180-09	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K180-09	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Magnesium	3.53 J	mg/L	1	0.05	K180-09	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Potassium	1.45	mg/L	1	0.05	K180-09	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Sodium	55.6	mg/L	1	0.05	K180-09	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-47	DOM/ACT															
				Q03	09/28/2006	GW	ANION	EPA 300.0	Chloride	56.6	mg/L	10	2	I280-05	<b>EMXT</b>	CH2M
					09/28/2006	GW	ANION	EPA 353.3	Nitrate as Nitrogen	2.98	mg/L	0.5	0.5	I280-05T	EMXT	CH2M
					09/28/2006	GW	ANION	EPA 300.0	Sulfate	30.1	mg/L	10	5	I280-05	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	I280-05	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	140	mg/L	5	1	I280-05	EMXT	CH2M
					09/28/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	300	mg/L	10	5	I280-05	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Arsenic	0.0228	mg/L	0.005	0.0005	I280-05	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Chromium	2.94	μg/L	1	0.5	I280-05	EMXT	CH2M
					09/28/2006	GW	METAL	SW 7199	Hexavalent chromium	2.45	μg/L	0.2	0.1	I280-05	EMXT	CH2M
					09/28/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I280-05	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Calcium	7.09	mg/L	1	0.05	I280-05	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I280-05	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Magnesium	ND <1	mg/L	1	0.05	I280-05	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Potassium	1.29	mg/L	1	0.05	I280-05	EMXT	CH2M
					09/28/2006	GW	Metals General	SW 6020A	Sodium	108	mg/L	1	0.05	I280-05	EMXT	CH2M
				Q04	11/15/2006	GW	ANION	EPA 300.0	Chloride	59.4	mg/L	5	1	K180-08	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Nitrate as Nitrogen	2.7	mg/L	0.5	0.05	K180-08	EMXT	CH2M
					11/15/2006	GW	ANION	EPA 300.0	Sulfate	30.4	mg/L	5	2.5	K180-08	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	125	mg/L	5	1	K180-08	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	125	mg/L	5	1	K180-08	EMXT	CH2M
					11/15/2006	GW	GENERAL	EPA 160.1	Total dissolved solids	380	mg/L	10	5	K180-08	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Arsenic	0.0185	mg/L	0.005	0.0005	K180-08	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Chromium	2.28	μg/L	1	0.5	K180-08	EMXT	CH2M
					11/15/2006	GW	METAL	SW 7199	Hexavalent chromium	2.69	μg/L	0.2	0.1	K180-08	EMXT	CH2M
					11/15/2006	GW	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K180-08	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Calcium	7.34	mg/L	1	0.05	K180-08	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K180-08	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Magnesium	ND <1	mg/L	1	0.05	K180-08	<b>EMXT</b>	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Potassium	1.24	mg/L	1	0.05	K180-08	EMXT	CH2M
					11/15/2006	GW	Metals General	SW 6020A	Sodium	116	mg/L	1	0.05	K180-08	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

	Type/	Perf.	Discrete		Sample	Sample		•									
Location	Status	Int-ft	Dep-ft	Quarter	Date	Matrix	Туре	Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-48	DOM/ACT																
				Q03	09/28/2006	GW	,	ANION	EPA 300.0	Chloride	20.9	mg/L	10	2	I280-08	EMXT	CH2M
					09/28/2006	GW	,	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I280-08	EMXT	CH2M
					09/28/2006	GW	,	ANION	EPA 300.0	Sulfate	25	mg/L	10	5	I280-08	EMXT	CH2M
					09/28/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	163	mg/L	5	1	I280-08	EMXT	CH2M
					09/28/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	163	mg/L	5	1	I280-08	EMXT	CH2M
					09/28/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	230	mg/L	10	5	I280-08	EMXT	CH2M
					09/28/2006	GW	ı	METAL	SW 6020A	Arsenic	0.126	mg/L	0.005	0.0005	I280-08	EMXT	CH2M
					09/28/2006	GW	1	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	I280-08	EMXT	CH2M
					09/28/2006	GW	1	METAL	SW 7199	Hexavalent chromium	0.577 J	μg/L	0.2	0.1	I280-08	EMXT	CH2M
					09/28/2006	GW	1	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I280-08	<b>EMXT</b>	CH2M
					09/28/2006	GW	ı	Metals General	I SW 6020A	Calcium	2.35	mg/L	1	0.05	I280-08	EMXT	CH2M
					09/28/2006	GW	ı	Metals General	I SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I280-08	EMXT	CH2M
					09/28/2006	GW	1	Metals General	I SW 6020A	Magnesium	ND <1	mg/L	1	0.05	I280-08	<b>EMXT</b>	CH2M
					09/28/2006	GW	ı	Metals General	I SW 6020A	Potassium	ND <1	mg/L	1	0.05	I280-08	EMXT	CH2M
					09/28/2006	GW	ı	Metals General	I SW 6020A	Sodium	98.9	mg/L	1	0.05	I280-08	EMXT	CH2M

Notes:

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Sample Matrix: GW = Groundwater

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Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

APPENDIX D - Complete Analytical Data for Hinkley Background Study Samples (2006)

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	-	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab	Contracto
BGS-49	DOM/ACT																
				Q03	09/28/2006	GW		ANION	EPA 300.0	Chloride	64.2	mg/L	10	2	I280-07	EMXT	CH2M
					09/28/2006	GW		ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I280-07	EMXT	CH2M
					09/28/2006	GW		ANION	EPA 300.0	Sulfate	116	mg/L	10	5	I280-07	EMXT	CH2M
					09/28/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	140	mg/L	5	1	I280-07	EMXT	CH2M
					09/28/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	140	mg/L	5	1	I280-07	EMXT	CH2M
					09/28/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	440	mg/L	10	5	I280-07	EMXT	CH2M
					09/28/2006	GW		METAL	SW 6020A	Arsenic	0.0178	mg/L	0.005	0.0005	I280-07	EMXT	CH2M
					09/28/2006	GW		METAL	SW 6020A	Chromium	1.83	μg/L	1	0.5	I280-07	EMXT	CH2M
					09/28/2006	GW		METAL	SW 7199	Hexavalent chromium	1.19	μg/L	0.2	0.1	I280-07	EMXT	CH2M
					09/28/2006	GW		METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I280-07	EMXT	CH2M
					09/28/2006	GW		Metals General	SW 6020A	Calcium	17.6	mg/L	1	0.05	I280-07	EMXT	CH2M
					09/28/2006	GW		Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	I280-07	EMXT	CH2M
					09/28/2006	GW		Metals General	SW 6020A	Magnesium	9.38	mg/L	1	0.05	I280-07	EMXT	CH2M
					09/28/2006	GW		Metals General	SW 6020A	Potassium	3.22	mg/L	1	0.05	I280-07	EMXT	CH2M
					09/28/2006	GW		Metals General	SW 6020A	Sodium	111	mg/L	1	0.05	I280-07	EMXT	CH2M
					09/28/2006	GW	Dup	ANION	EPA 300.0	Chloride	64.8	mg/L	10	2	I280-06	EMXT	CH2M
					09/28/2006	GW	Dup	ANION	EPA 353.3	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	I280-06	EMXT	CH2M
					09/28/2006	GW	Dup	ANION	EPA 300.0	Sulfate	117	mg/L	10	5	I280-06	EMXT	CH2M
					09/28/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	I280-06	EMXT	CH2M
					09/28/2006	GW	Dup	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	I280-06	EMXT	CH2M
					09/28/2006	GW	Dup	GENERAL	EPA 160.1	Total dissolved solids	425	mg/L	10	5	I280-06	EMXT	CH2M
					09/28/2006	GW	Dup	METAL	SW 6020A	Arsenic	0.0183	mg/L	0.005	0.0005	I280-06	EMXT	CH2M
					09/28/2006	GW	Dup	METAL	SW 6020A	Chromium	1.78	μg/L	1	0.5	I280-06	EMXT	CH2M
					09/28/2006		Dup	METAL	SW 7199	Hexavalent chromium	1.18	μg/L	0.2	0.1	I280-06	EMXT	CH2M
					09/28/2006		Dup	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	I280-06	EMXT	CH2M
					09/28/2006	GW	Dup	Metals General	SW 6020A	Calcium	19.3	mg/L	1	0.05	I280-06	EMXT	CH2M
					09/28/2006		Dup	Metals General	SW 6020A	Iron	ND <0.5	mg/L	0.5	0.05	I280-06	EMXT	CH2M
					09/28/2006		Dup	Metals General	SW 6020A	Magnesium	10	mg/L	1	0.05	I280-06	EMXT	CH2M
					09/28/2006		Dup	Metals General	SW 6020A	Potassium	3.56	mg/L	1	0.05	I280-06	EMXT	CH2M
					09/28/2006		Dup	Metals General	SW 6020A	Sodium	122	mg/L	1		I280-06	EMXT	CH2M
				Q04	11/14/2006	GW		ANION	EPA 300.0	Chloride	67.9	mg/L	10	2	K156-07	EMXT	CH2M
					11/14/2006	GW		ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K156-07	EMXT	CH2M
					11/14/2006	GW		ANION	EPA 300.0	Sulfate	122	mg/L	10	5	K156-07	EMXT	
					11/14/2006	GW		GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	133	mg/L	5	1	K156-07	EMXT	CH2M
					11/14/2006	GW		GENERAL	EPA 310.1	Alkalinity, total as CaCO3	133	mg/L	5	1	K156-07	EMXT	CH2M
					11/14/2006	GW		GENERAL	EPA 160.1	Total dissolved solids	495	mg/L	10	5	K156-07	EMXT	CH2M
					11/14/2006	GW		METAL	SW 6020A	Arsenic	0.0157	mg/L	0.005	0.0005	K156-07	EMXT	CH2M

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

Location	Type/ Status	Perf. Int-ft	Discrete Dep-ft	Quarter	Sample Date	Sample Matrix	•	Analyte Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-49	DOM/ACT																
				Q04	11/14/2006	GW	1	METAL	SW 6020A	Chromium	1.77	μg/L	1	0.5	K156-07	EMXT	CH2M
					11/14/2006	GW	1	METAL	SW 7199	Hexavalent chromium	0.933 J	μg/L	0.2	0.1	K156-07	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K156-07	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	Metals General	SW 6020A	Calcium	16.8	mg/L	1	0.05	K156-07	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	Metals General	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K156-07	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	Metals General	SW 6020A	Magnesium	9.99	mg/L	1	0.05	K156-07	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	Metals General	SW 6020A	Potassium	2.87	mg/L	1	0.05	K156-07	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	Metals General	SW 6020A	Sodium	108	mg/L	1	0.05	K156-07	EMXT	CH2M

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

	Type/	Perf.	Discrete		Sample	Sample	•	•									
Location	Status	Int-ft	Dep-ft	Quarter	Date	Matrix	Туре	Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-50	DOM/ACT																
				Q04	11/13/2006	GW	1	ANION	EPA 300.0	Chloride	21.8	mg/L	10	2	K142-04	EMXT	CH2M
					11/13/2006	GW	1	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K142-04	EMXT	CH2M
					11/13/2006	GW	1	ANION	EPA 300.0	Sulfate	33.4	mg/L	10	5	K142-04	EMXT	CH2M
					11/13/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	165	mg/L	5	1	K142-04	EMXT	CH2M
					11/13/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	165	mg/L	5	1	K142-04	<b>EMXT</b>	CH2M
					11/13/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	310	mg/L	10	5	K142-04	<b>EMXT</b>	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Arsenic	0.2	mg/L	0.005	0.0005	K142-04	<b>EMXT</b>	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Chromium	ND <1	μg/L	1	0.5	K142-04	<b>EMXT</b>	CH2M
					11/13/2006	GW	ı	METAL	SW 7199	Hexavalent chromium	ND < 0.2	μg/L	0.2	0.1	K142-04	<b>EMXT</b>	CH2M
					11/13/2006	GW	1	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K142-04	EMXT	CH2M
					11/13/2006	GW	1	Metals Genera	SW 6020A	Calcium	6.52	mg/L	1	0.05	K142-04	EMXT	CH2M
					11/13/2006	GW	1	Metals Genera	SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K142-04	EMXT	CH2M
					11/13/2006	GW	1	Metals Genera	SW 6020A	Magnesium	ND <1	mg/L	1	0.05	K142-04	<b>EMXT</b>	CH2M
					11/13/2006	GW	ı	Metals Genera	SW 6020A	Potassium	1.3	mg/L	1	0.05	K142-04	EMXT	CH2M
					11/13/2006	GW	1	Metals Genera	SW 6020A	Sodium	97.5	mg/L	1	0.05	K142-04	EMXT	CH2M

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

	Type/	Perf.	Discrete		Sample	Sample		•									
Location	Status	Int-ft	Dep-ft	Quarter	Date	Matrix	Туре	Group	Method	Parameter	Result	Units	RL	DL	Lab ID	Lab C	Contracto
BGS-51	DOM/ACT	160-200															
				Q04	11/14/2006	GW	,	ANION	EPA 300.0	Chloride	17.3	mg/L	1	0.2	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	,	ANION	EPA 300.0	Nitrate as Nitrogen	ND < 0.5	mg/L	0.5	0.05	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	,	ANION	EPA 300.0	Sulfate	22.6	mg/L	1	0.5	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, bicarb as CaCO3	128	mg/L	5	1	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	(	GENERAL	EPA 310.1	Alkalinity, total as CaCO3	128	mg/L	5	1	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	(	GENERAL	EPA 160.1	Total dissolved solids	340	mg/L	10	5	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	METAL	SW 6020A	Arsenic	0.0077	mg/L	0.005	0.0005	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	METAL	SW 6020A	Chromium	1.93	μg/L	1	0.5	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	METAL	SW 7199	Hexavalent chromium	1.89 J	μg/L	0.2	0.1	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	METAL	SW 6020A	Manganese	ND < 0.01	mg/L	0.01	0.0005	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	Metals Genera	I SW 6020A	Calcium	26.2 J	mg/L	1	0.05	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	Metals Genera	I SW 6020A	Iron	ND < 0.5	mg/L	0.5	0.05	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	1	Metals Genera	I SW 6020A	Magnesium	9.77 J	mg/L	1	0.05	K156-04	<b>EMXT</b>	CH2M
					11/14/2006	GW	ı	Metals Genera	I SW 6020A	Potassium	3.07	mg/L	1	0.05	K156-04	EMXT	CH2M
					11/14/2006	GW	ı	Metals Genera	SW 6020A	Sodium	63.7 J	mg/L	1	0.05	K156-04	EMXT	CH2M

Notes:

Location Types: DOM = domestic supply, AGR = agricultural supply

Status: ACT = active, INACT= inactive

Sample Matrix: GW = Groundwater

Sample Type = For a normal field sample the Sample Type is left blank, Dup = Duplicate field sample

Abbreviations: RL=Reporting limit, DL=Detection limit, Lab ID=Laboratory sample number, No data =There are no analytical data from the Monitoring Program for this location.

## APPENDIX D Index to Background Study Chains of Custody and Sample Delivery Groups

(Sorted by Well ID and Quarter)

	I		`		en iD and	1 /	
			Sample	Lab		Lab Sample	
Well ID	Quarter	<b>Date Sampled</b>	Type*	Code**	SDG+	No.	Field ID on the COC
01-06	Q03	07/27/2006	N	EMXT	06G200	G200-05	01-06_072706
04E-01	Q03	07/25/2006	N	EMXT	06G165	G165-02	04E-01_072506
04E-01	Q04	10/25/2006	N	EMXT	06J279	J279-02	04E-01_102506
06E-01	Q03	07/24/2006	N	EMXT	06G152	G152-01	06E-01_072406
06E-01	Q04	10/25/2006	N	EMXT	06J279	J279-03	TOTEN1_102506
06E-01	Q04	10/25/2006	FD	EMXT	06J279	J279-01	MW-93_102506
27-03	Q03	07/27/2006	N	EMXT	06G200	G200-02	27-03_072706
36-24	Q03	07/27/2006	N	EMXT	06G200	G200-04	36-24_072706
36-25	Q03	07/27/2006	N	EMXT	06G200	G200-03	36-25_072706
BGS-01	Q01	01/31/2006	N	EMXT	06B004	B004-03	BGS-01_013106
BGS-01	Q01	01/31/2006	N	TLI	951327	951327-003	BGS-01_013106
BGS-01	Q02	04/25/2006	N	EMXT	06D191	D191-01	BGS-01_042506
BGS-01	Q03	07/25/2006	N	EMXT	06G165	G165-03	BGS-01_072506
BGS-01	Q04	10/23/2006	N	EMXT	06J236	J236-04	BGS-01_102306
BGS-04	Q01	02/01/2006	N	EMXT	06B015	B015-02	BGS-04_020106
BGS-04	Q01	02/01/2006	N	TLI	951368	951368-002	BGS-04_020106
BGS-04	Q02	04/26/2006	N	EMXT	06D205	D205-07	BGS-04_042606
BGS-04	Q02	04/26/2006	FD	EMXT	06D205	D205-06	MW-91_042606
BGS-04	Q03	07/25/2006	N	EMXT	06G165	G165-10	BGS-04_072506
BGS-04	Q03	07/25/2006	FD	EMXT	06G165	G165-09	MW-92_072506
BGS-04	Q04	10/23/2006	N	EMXT	06J236	J236-05	BGS-04_102306
BGS-05	Q01	01/31/2006	N	EMXT	06B004	B004-10	BGS-05_013106
BGS-05	Q01	01/31/2006	N	TLI	951327	951327-010	BGS-05_013106
BGS-05	Q02	04/25/2006	N	EMXT	06D191	D191-06	BGS-05_042506
BGS-05	Q02	04/25/2006	N	EMXT	06D191	D191-06R	BGS-05_042506
BGS-06	Q01	01/31/2006	N	EMXT	06B004	B004-05	BGS-06_013106
BGS-06	Q01	01/31/2006	N	TLI	951327	951327-005	BGS-06_013106
BGS-06	O02	04/26/2006	N	EMXT	06D205	D205-01	BGS-06_042606
BGS-06	Q03	07/24/2006	N	EMXT	06G152	G152-04	BGS-06_072406
BGS-06	Q04	10/23/2006	N	EMXT	06J236	J236-01	BGS-06_102306
BGS-06	Q04	10/23/2006	FD	EMXT	06J236	J236-03	MW-90 102306
BGS-09	Q01	01/30/2006	N	EMXT	06A174	A174-01	BGS-09_013006
BGS-09	Q01	01/30/2006	N	TLI	951265	951265-001	BGS-09_013006
BGS-09	Q02	04/24/2006	N	EMXT	06D180	D180-03	BGS-09_042406
BGS-09	Q02	04/24/2006	N	EMXT	06D180	D180-03R	BGS-09_042406
BGS-09	Q03	07/24/2006	N	EMXT	06G152	G152-02	BGS-09_072406
BGS-09	Q03	07/24/2006	FD	EMXT	06G152	G152-03	MW-90_072406
BGS-09	Q04	10/24/2006	N	EMXT	06J257	J257-01	BGS-09_102406
BGS-10	Q01	01/31/2006	N	EMXT	06B004	B004-06	BGS-10_013106
BGS-10	Q01	01/31/2006	N	TLI	951327	951327-006	BGS-10_013106
BGS-10	Q02	04/26/2006	N	EMXT	06D205	D205-03	BGS-10_042606
BGS-10	Q02	07/26/2006	N	EMXT	06G182	G182-03	BGS-10_072606
BGS-10	Q04	10/24/2006	N	EMXT	06J257	J257-02	BGS-10_102406
BGS-12	Q04 Q01	01/30/2006	N	EMXT	06A174	A174-02	BGS-12 013006
BGS-12	Q01	01/30/2006	N	TLI	951265	951265-002	BGS-12_013006
BGS-12	Q01	04/24/2006	N	EMXT	06D180	D180-04	BGS-12_013000 BGS-12_042406
131 1.3-1/	Q02			EMXT	06D180	D180-04R	BGS-12_042406
	002	()4/24/2006					
BGS-12 BGS-12	Q02 Q03	04/24/2006 07/24/2006	N N	EMXT	06G152	G152-06	BGS-12_072406

# APPENDIX D Index to Background Study Chains of Custody and Sample Delivery Groups

(Sorted by Well ID and Quarter)

			` 1		en iD and	<del>' '                                  </del>	
			Sample			Lab Sample	
Well ID	-	<b>Date Sampled</b>		Code**	SDG+	No.	Field ID on the COC
BGS-13	Q01	01/31/2006	N	EMXT	06B004	B004-04	BGS-13_013106
BGS-13	Q01	01/31/2006	N	TLI	951327	951327-004	BGS-13_013106
BGS-13	Q02	04/27/2006	N	EMXT	06D215	D215-01	BGS-13_042706
BGS-13	Q03	07/25/2006	N	EMXT	06G165	G165-01	BGS-13_072506
BGS-14	Q01	01/31/2006	N	EMXT	06B004	B004-07	BGS-14_013106
BGS-14	Q01	01/31/2006	N	TLI	951327	951327-007	BGS-14_013106
BGS-14	Q02	04/26/2006	N	EMXT	06D205	D205-05	BGS-14_042606
BGS-14	Q03	07/26/2006	N	EMXT	06G182	G182-05	BGS-14_072606
BGS-14	Q04	10/23/2006	N	EMXT	06J236	J236-09	BGS-14_102306
BGS-15	Q01	01/31/2006	N	EMXT	06B004	B004-08	BGS-15_013106
BGS-15	Q01	01/31/2006	N	TLI	951327	951327-008	BGS-15_013106
BGS-15	Q01	01/31/2006	FD	EMXT	06B004	B004-09	BGS-91_013106
BGS-15	Q01	01/31/2006	FD	TLI	951327	951327-009	BGS-91_013106
BGS-15	Q02	04/26/2006	N	EMXT	06D205	D205-04	BGS-15_042606
BGS-15	Q03	07/25/2006	N	EMXT	06G165	G165-11	BGS-15_072506
BGS-15	Q04	10/23/2006	N	EMXT	06J236	J236-07	BGS-15_102306
BGS-16	Q01	01/31/2006	N	EMXT	06B004	B004-02	BGS-16_013106
BGS-16	Q01	01/31/2006	N	TLI	951327	951327-002	BGS-16_013106
BGS-16	Q02	04/24/2006	N	EMXT	06D180	D180-02	BGS-16_042406
BGS-16	Q02	04/24/2006	N	EMXT	06D180	D180-02R	BGS-16_042406
BGS-16	Q03	07/25/2006	N	EMXT	06G165	G165-06	BGS-16_072506
BGS-16	Q04	10/23/2006	N	EMXT	06J236	J236-08	BGS-16_102306
BGS-18	Q01	02/01/2006	N	EMXT	06B015	B015-01	BGS-18_020106
BGS-18	Q01	02/01/2006	N	TLI	951368	951368-001	BGS-18_020106
BGS-18	Q02	04/25/2006	N	EMXT	06D191	D191-03	BGS-18_042506
BGS-18	Q03	07/25/2006	N	EMXT	06G165	G165-07	BGS-18_072506
BGS-18	Q04	10/24/2006	N	EMXT	06J257	J257-09	BGS-18_102406
BGS-19	Q02	04/25/2006	N	EMXT	06D191	D191-02	BGS-19_042506
BGS-19	Q03	07/25/2006	N	EMXT	06G165	G165-08	BGS-19_072506
BGS-19	Q04	10/24/2006	N	EMXT	06J257	J257-10	BGS-19_102406
BGS-19	Q04	10/24/2006	FD	EMXT	06J257	J257-06	MW-92_102406
BGS-22	Q01	01/30/2006	N	EMXT	06A174	A174-03	BGS-22_013006
BGS-22	Q01	01/30/2006	N	TLI	951265	951265-003	BGS-22_013006
BGS-22	Q01	01/30/2006	FD	EMXT	06A174	A174-05	BGS-90_013006
BGS-22	Q01	01/30/2006	FD	TLI	951265	951265-005	BGS-90_013006
BGS-22	Q02	04/25/2006	N	EMXT	06D191	D191-04	BGS-22_042506
BGS-22	Q02	04/25/2006	N	EMXT	06D191	D191-04R	BGS-22_042506
BGS-22	Q03	07/24/2006	N	EMXT	06G152	G152-05	BGS-22_072406
BGS-22	Q04	10/24/2006	N	EMXT	06J257	J257-07	BGS-22_102406
BGS-23	Q01	01/31/2006	N	EMXT	06B004	B004-01	BGS-23_013106
BGS-23	Q01	01/31/2006	N	TLI	951327	951327-001	BGS-23_013106
BGS-23	Q02	04/24/2006	N	EMXT	06D180	D180-01	BGS-23_042406
BGS-23	Q02	04/24/2006	FD	EMXT	06D180	D180-05	MW-90_042406
BGS-23	Q03	07/25/2006	N	EMXT	06G165	G165-05	BGS-23_072506
BGS-23	Q03	07/25/2006	FD	EMXT	06G165	G165-04	MW-91_072506
BGS-23	Q04	10/24/2006	N	EMXT	06J257	J257-08	BGS-23_102406

## APPENDIX D Index to Background Study Chains of Custody and Sample Delivery Groups

(Sorted by Well ID and Quarter)

			,		en iD and	<u> </u>	
			Sample			Lab Sample	
Well ID	_	Date Sampled			SDG+	No.	Field ID on the COC
BGS-24	Q01	02/02/2006	N	EMXT	06B026	B026-01	BGS-24_020206
BGS-24	Q01	02/02/2006	N	TLI	951421	951421-001	BGS-24_020206
BGS-24	Q02	04/26/2006	N	EMXT	06D205	D205-08	BGS-24-140_042606
BGS-24	Q02	04/26/2006	N	EMXT	06D205	D205-09	BGS-24-100_042606
BGS-24	Q02	04/26/2006	N	EMXT	06D205	D205-10	BGS-24-60_042606
BGS-24	Q03	07/27/2006	N	EMXT	06G200	G200-01	BGS-24_072706
BGS-25	Q01	01/30/2006	N	EMXT	06A174	A174-04	BGS-25_013006
BGS-25	Q01	01/30/2006	N	TLI	951265	951265-004	BGS-25_013006
BGS-25	Q02	04/26/2006	N	EMXT	06D205	D205-02	BGS-25_042606
BGS-25	Q03	07/26/2006	N	EMXT	06G182	G182-06	BGS-25_072606
BGS-25	Q04	10/23/2006	N	EMXT	06J236	J236-02	BGS-25_102306
BGS-27	Q01	02/02/2006	N	EMXT	06B026	B026-03	BGS-27_020206
BGS-27	Q01	02/02/2006	N	TLI	951421	951421-003	BGS-27_020206
BGS-27	Q02	04/25/2006	N	EMXT	06D191	D191-05	BGS-27_042506
BGS-27	Q02	04/25/2006	N	EMXT	06D191	D191-05R	BGS-27_042506
BGS-27	Q03	07/26/2006	N	EMXT	06G182	G182-04	BGS-27_072606
BGS-27	Q04	10/24/2006	N	EMXT	06J257	J257-03	BGS-27_102406
BGS-28	Q03	07/26/2006	N	EMXT	06G182	G182-01	BGS-28_072606
BGS-28	Q04	10/25/2006	N	EMXT	06J279	J279-04	BGS-28_102506
BGS-29	Q03	07/26/2006	N	EMXT	06G182	G182-02	BGS-29_072606
BGS-29	Q03	09/26/2006	N	EMXT	06I248	I248-01	BGS-29_092606
BGS-29	004	11/13/2006	N	EMXT	06K142	K142-06	BGS-29_111306
BGS-30	O03	07/26/2006	N	EMXT	06G182	G182-08	BGS-30_072606
BGS-30	Q03	07/26/2006	FD	EMXT	06G182	G182-07	MW-94_072606
BGS-31	Q03	07/26/2006	N	EMXT	06G182	G182-09	BGS-31_072606
BGS-31	Q03	09/27/2006	N	EMXT	06I262	I262-07	PHABOLT-1_092706
BGS-31	Q04	11/13/2006	N	EMXT	06K142	K142-07	BGS-31_111306
BGS-32	Q03	09/26/2006	N	EMXT	06I248	I248-02	Smith-1_092606
BGS-32	Q03	09/26/2006	N	EMXT	06I248	I248-02T	Smith-1_092606
BGS-32	Q03	09/26/2006	FD	EMXT	06I248	I248-08	MW-90_092606
BGS-32	Q04	11/15/2006	N	EMXT	06K180	K180-02	BGS-32_111506
BGS-33	Q03	09/26/2006	N	EMXT	06I248	I248-03	Vencill-1_092606
BGS-33	Q03	09/26/2006	N	EMXT	06I248	I248-03T	Vencill-1_092606
BGS-33	Q04	11/15/2006	N	EMXT	06K180	K180-01	BGS-33_111506
BGS-34	Q03	09/26/2006	N	EMXT	06I248	I248-04	McConnell-1_092606
BGS-34	Q04	11/13/2006	N	EMXT	06K142	K142-01	BGS-34_111306
BGS-35	Q03	09/26/2006	N	EMXT	06I248	I248-05	Tindell-1_092606
BGS-35	Q03	11/15/2006	N	EMXT	06K180	K180-03	BGS-35_111506
BGS-36	Q03	09/26/2006	N	EMXT	06I248	I248-06	Cruz-1_092606
BGS-36	Q04	11/13/2006	N	EMXT	06K142	K142-02	BGS-36_111306
BGS-37	Q04 Q03	09/26/2006	N	EMXT	06I248	I248-07	McCauley-1_092606
BGS-37	Q03 Q04	11/13/2006	N	EMXT	06K142	K142-05	BGS-37_111306
BGS-37 BGS-38	Q04 Q03	09/27/2006	N	EMXT	06I262	I262-01	NEWMAN-1_092706
BGS-38	Q03 Q04	11/13/2006				K142-03	=
BGS-39	Q04 Q03	09/27/2006	N	EMXT	06K142		BGS-38_111306
BGS-39 BGS-39	_		N	EMXT	06I262	I262-02	ROBBINS-1_092706
	Q04	11/15/2006	N	EMXT	06K180	K180-06	BGS-39_111506
BGS-40	Q03	09/27/2006	N	EMXT	06I262	I262-03	Aguilera-1_092706
BGS-40	Q04	11/15/2006	N	EMXT	06K180	K180-07	BGS-40_111506

APPENDIX D

### Index to Background Study Chains of Custody and Sample Delivery Groups

(Sorted by Well ID and Quarter)

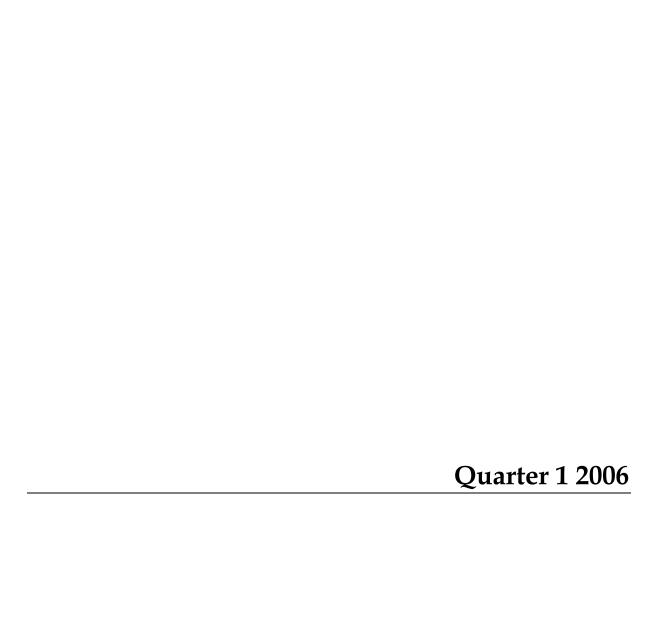
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			Sample	Lab		Lab Sample	
Well ID	Quarter	<b>Date Sampled</b>	Type*	Code**	SDG+	No.	Field ID on the COC
BGS-41	Q03	09/27/2006	N	EMXT	06I262	I262-04	WILLIAMSON/ARIAS-1_092706
BGS-41	Q03	09/27/2006	N	EMXT	06I262	I262-04T	WILLIAMSON/ARIAS-1_092706
BGS-41	Q03	09/27/2006	FD	EMXT	06I262	I262-05	MW-91_092706
BGS-41	Q03	09/27/2006	FD	EMXT	06I262	I262-05T	MW-91_092706
BGS-41	Q04	11/14/2006	N	EMXT	06K156	K156-02	BGS-41_111406
BGS-41	Q04	11/14/2006	FD	EMXT	06K156	K156-03	MW-90_111406
BGS-42	Q03	09/27/2006	N	EMXT	06I262	I262-06	ALLEY-1_092706
BGS-42	Q04	11/15/2006	N	EMXT	06K180	K180-04	BGS-42_111506
BGS-42	Q04	11/15/2006	N	EMXT	06K180	K180-04I	BGS-42_111506
BGS-42	Q04	11/15/2006	FD	EMXT	06K180	K180-05	MW-91_111506
BGS-43	Q03	09/28/2006	N	EMXT	06I280	I280-01	MELENDEZ-1_092806
BGS-43	Q04	11/14/2006	N	EMXT	06K156	K156-05	BGS-43_111406
BGS-44	Q03	09/28/2006	N	EMXT	06I280	I280-02	GREEN-1_092806
BGS-44	Q04	11/14/2006	N	EMXT	06K156	K156-06	BGS-44_111406
BGS-45	Q03	09/28/2006	N	EMXT	06I280	I280-03	ROGERS-1_092806
BGS-46	Q03	09/28/2006	N	EMXT	06I280	I280-04	ARREDORIDO-1_092806
BGS-46	Q04	11/15/2006	N	EMXT	06K180	K180-09	BGS-46_111506
BGS-46	Q04	11/15/2006	N	EMXT	06K180	K180-09I	BGS-46_111506
BGS-47	Q03	09/28/2006	N	EMXT	06I280	I280-05	MODICA-1_092806
BGS-47	Q03	09/28/2006	N	EMXT	06I280	I280-05T	MODICA-1_092806
BGS-47	Q04	11/15/2006	N	EMXT	06K180	K180-08	BGS-47_111506
BGS-48	Q03	09/28/2006	N	EMXT	06I280	I280-08	VELAZQUEZ-1_092806
BGS-49	Q03	09/28/2006	N	EMXT	06I280	I280-07	RICHARDS-1_092806
BGS-49	Q03	09/28/2006	FD	EMXT	06I280	I280-06	MW-92_092806
BGS-49	Q04	11/14/2006	N	EMXT	06K156	K156-07	BGS-49_111406
BGS-50	Q04	11/13/2006	N	EMXT	06K142	K142-04	BGS-50_111306
BGS-51	Q04	11/14/2006	N	EMXT	06K156	K156-04	BGS-51_111406

#### Notes:

<sup>\*</sup> Sample Type: N = Normal (or primary) field sample, FD = Field duplicate sample

<sup>\*\*</sup> Lab Codes: TLI = Truesdail Laboratory Inc., Tustin, CA EMXT = EMAX Laboratory, Inc., Torrance, CA

<sup>+</sup>SDG = Sample delivery group



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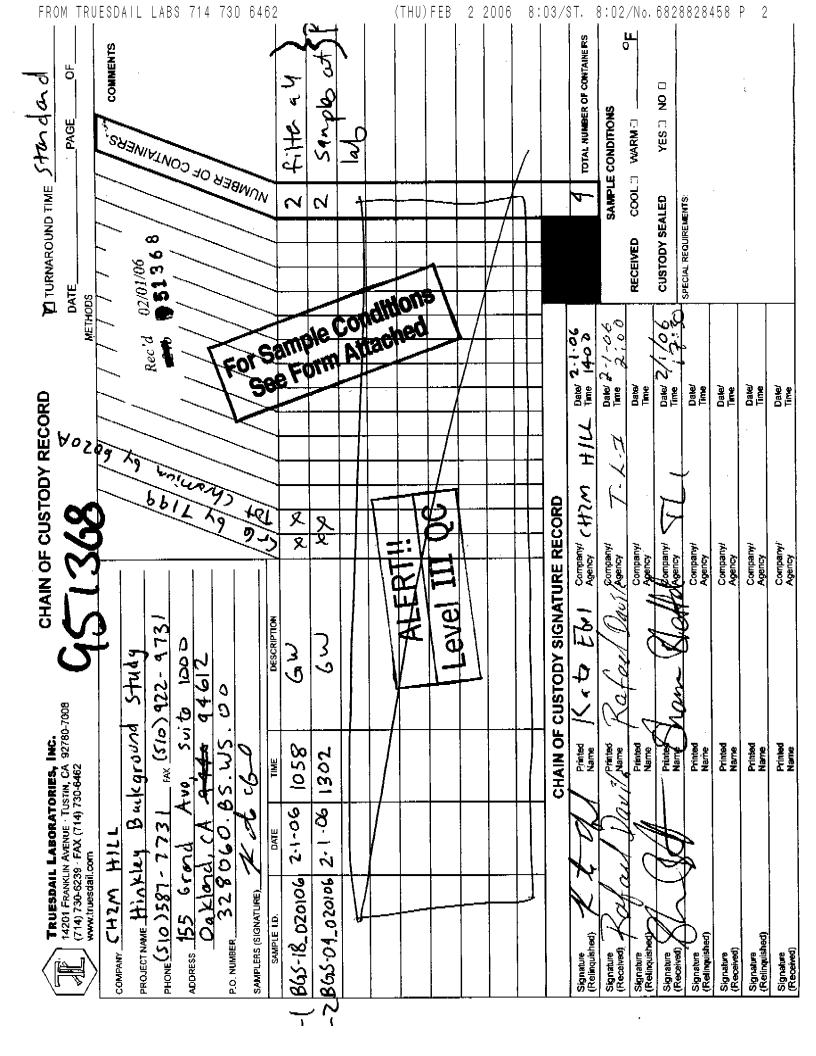
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Tei #: 310-618-8889 Fax #: 310-618-0818	_ J.S.			
LABORATORIES, INC. Email: info@emaxlabs.com	29	SH)	PROJECT CODE:	
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not begin untill all discrepancies have been ir days) after issuance of analytical report uni	received and discrepacies resolved after 136 disposal schedule is pre-arranged with EM.	00 hrs. TAT shall start at 0800 hrs the next business. AX. Disposal fee for samples defined by CA Title 22	day. The client is responsible for all as non-hazardous shall be \$5.00 pc	cost associted with sample disposal. Samples shall be disposed of as or sample. EMAX will roum hazardous samples to the client at the
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CHAIN OF CUSTODY RECORD 14201 FRANKLIN AVENUE · TUSTIN, CA 92780-7008 (714) 730-6239 · FAX (714) 730-6462

TRUESDAIL LABORATORIES, INC.

www.truesdail.com

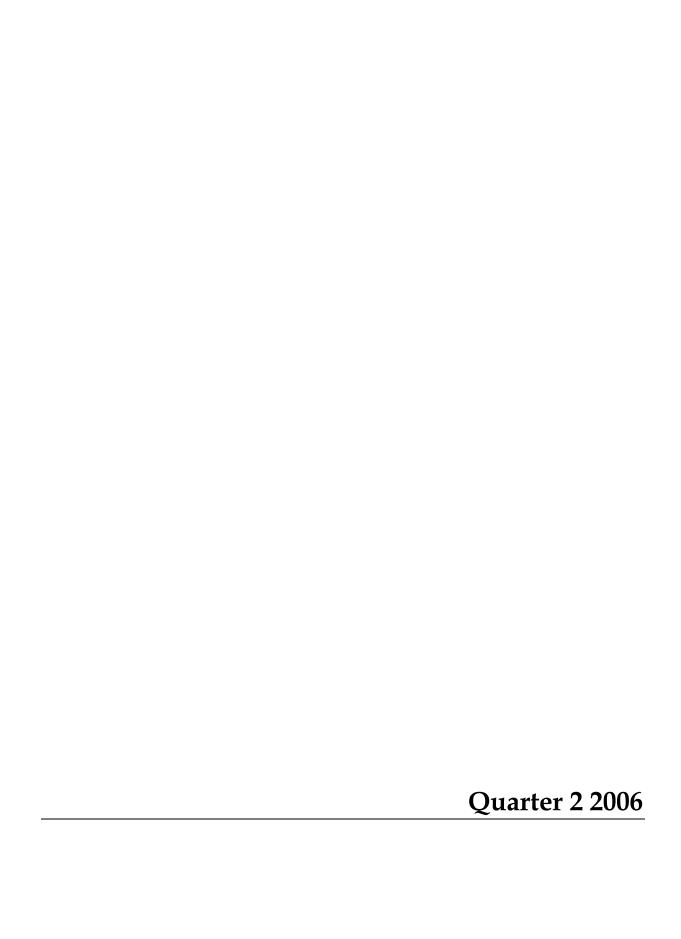
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Cal - 55.55 CHAIN OF CUSTODY

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方 3 CONDITION Sample #s 28060,133 ç TAT ングボス・ス skep MS. لا EMAX CONTROL NO. \*O@ days ☐21 days 30 days 14 days 7 days ☐ Rush. Rush Temp. (°C) PROJECT CODE: kq X X × 4.0 ĝ SH Ambrevia-N3 3 Cooler # punalbasty Q X X MALYSIS REQUIR (K1 -Ų 310 3500 Q 091 501 7 Q 0008 30 Kath X J) X R X. ٧ Q Y0209 LO RECEIVED BY TRESERVATIVE W 9 -L A ZA=Zinc Acetale 105 CODE T-N225703 HS-H-SU SH-N1OH 3 HC - HC EDNIH-NH MATRIX CODE 4 01=1 4 \*\*\* TYPE Š S. 25 VP-Wipes PP-Pur Products S. PO NUMBER: 100 a D-Salid Waste St. Sludge COUMTER/ATEDIL! MATRIX CODE CONTABER 7365 SAMPLE STORAGE W-Driking Water A55'4 SIZE OW-Onund Water SS-Soft Sediment Kabalachian colongua Warrent Warren AR-Kir 0 Ć NO. LΛ M 4 0430 1820 500 1020 かかれて 4.24 00 1220 Time 記さかぶろ Z 4240d 100 1835 W. 205th Street, Torrance, CA 90501 Tel #: 310-618-8889 Fax #: 310-618-0818 4/24/46 170° 52° 581 A-24-Cd MW-4281 4-244 4-7%-ag 4.24.00 Date SAMPLING DATE Bankground Stacks 000 STO D 100-MI DOS DE 865-16 645.23 Email: info@emaxfabs.com 865-72 LOCATION シェクロン 510-622.413 がだる 本の記 MW-4281-04-24-06-EB とうできなり RELINOUISHED BY () 9047401 MW-9 p-042406 2 tel \_04240G 042406 义人 · 09.042406 すり SAMPLED CLIMA ひまなが おり LABORATORIES, INC. P はだら つるら Fib. 587 - 773 NEW Y スとな なとと、エ Longue 7 COMPANY CH2M の名といるの 3 885-17 Č. પ્ત્ર SEND REPORT TO 的なら がある COORDINATOR 386.5 Tranchons SANFLER ADDRESS ENGAXPM CLENT LAB

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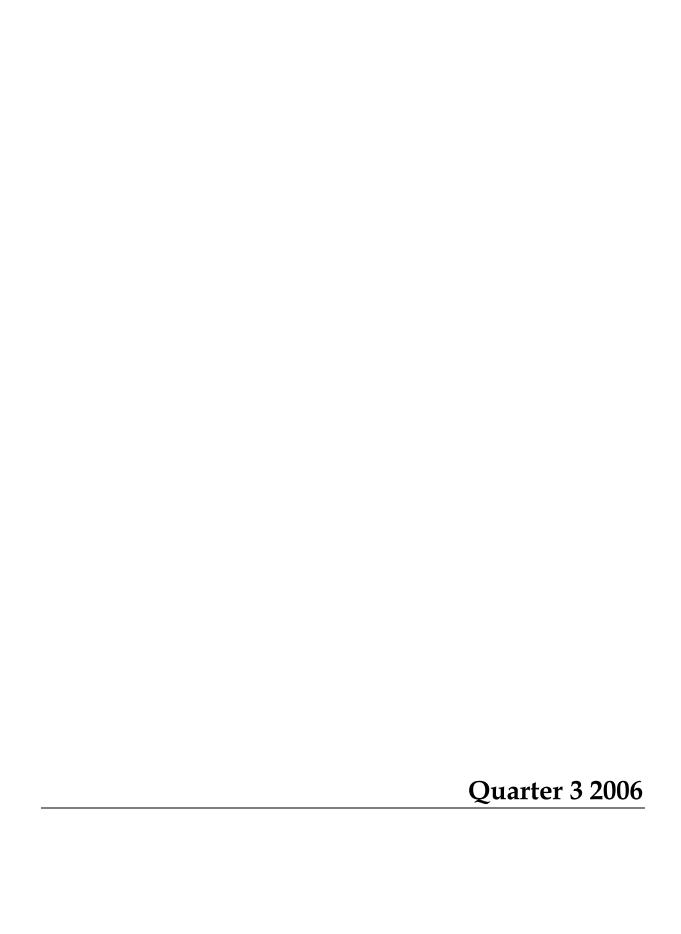
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Tel #: 310-618-8889 Fax #: 310-618-0818 Email: info@emaxlabs.com	SAMPLE STORAGE			PROJECT CODE	DE:	
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NOTICE. T	ed and discrepacies resolved after 13	500 hrs, TAT shall start at 0800 h	r the next business day. <sup>7</sup>	he client is respons	es received and discrementes resolved after 1500 hrs. TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associated with sample disposal. Samples shall be disposed of as	amples shall be disposed of as

NOTICE: Turn-around-dime (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepancies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associated with sample disposal. Samples shall be disposed of us soon as practical (but not prior to fifteen days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be \$5.00 per sample. EMAX will return hazardous samples to the client at the client at the client surface of mything otherwise.

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1835 W. 205th Street	=	PO NUMBER: 326060, 121, いい	326060		EMAX CONTROL NO. *	.NO.* 00 4/02
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ATOR CAVIL CAMPORII		GW=Ground Water	HC=HCI	9' 1 100		Rush days
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ADDRESS 155 Grand All Such	all 1000	WP=Wipes PP=Pure Products	ZA=Zinc Acetate		M M	30 days
akland, CA		AR=Air	HS=H2SO4	らり ライ カノ つり	96. 116. 105	
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	WW=W2ste Water	NNO3	1	7 days
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こせいろさ	SS=Soil/ Sediment	ST=Na2S203	4. 14.	21 days
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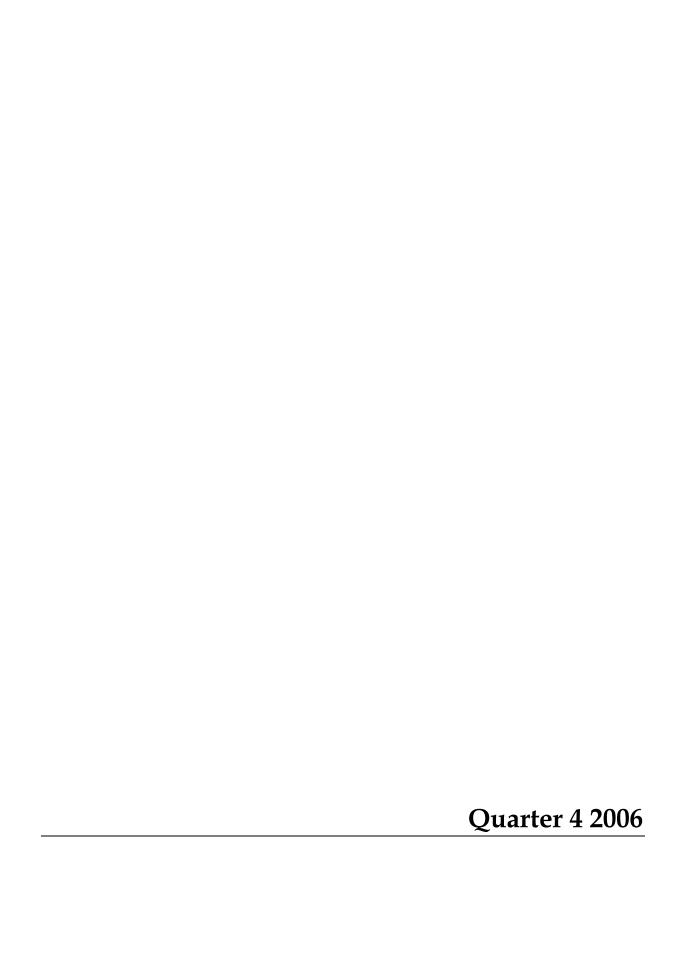
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NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepancies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associated with sample disposal. Samples shall be disposed of associated (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal foe for samples defined by CA Title 22 as non-hazardous shall be \$5.00 per sample. EMAX will return hazardous samples to the client at the



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NOTICE: Turn-unand-time (I.A.1) for samples shall not begin until all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hts. TAT shall start at 0300 hts the used business day. The client is responsible for all cost associated with sample disposal schedule is pre-arranged with ENLAX. Disposal fee for samples defined by CA Title 22 as non-huzardous shall be \$5.00 per sample. EMAX will return hazardous samples to the client at the

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NOTICE: Turn-round-time (TAT) for samples shall not begin untill all discreptancies have been resolved. For samples received and discrepancies have been resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associated with sample disposal. Samples shall be disposal schedule is pre-armaged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be \$5,00 per sample. EMAX will return hazardous samples to the client of the client of the client of the

Appendix E USGS Theory and Method for Chromium Isotope Evaluation

#### APPENDIX E

#### USGS Theory and Method for Chromium Isotope Evaluation

This appendix presents the theory and procedures for the chromium isotope analysis collected at the Hinkley site in 2006. The theory and approach for data evaluation were previously presented to the Water Board in the Work Plan (CH2M HILL, 2004a). This discussion is divided into the following components:

- Theory of Chromium Isotopes
- Sampling Processing and Analysis Procedures
- Approach for Data Evaluation

The work Plan called for the analysis of 10 samples. In total, 15 wells in or adjacent to the inferred groundwater plume, were sampled for analysis of chromium speciation and isotopic composition. These samples were sent to the USGS laboratory in Menlo Park, California. The samples were then analyzed to determine the ratio of  $^{53}$ Cr to  $^{52}$ Cr ( $\delta^{53}$ Cr), measured in tenths of a percent (‰).

#### E.1 Theory

Chromium has four stable isotopes: <sup>50</sup>Cr, <sup>52</sup>Cr, <sup>53</sup>Cr, and <sup>54</sup>Cr. Reduction of oxidized aqueous species of other redox sensitive elements such as selenium (Johnson et al., 1999) tends to enrich the products in the light isotopes because they preferentially react, and the residual reactants become progressively enriched in the heavier isotopes as reduction proceeds. In these cases, the breakage of the bond with oxygen requires significant energy promoting the isotopic fractionation and is the rate-limiting step in the reduction reaction. If chromium behaves the same way as other redox sensitive elements, then variations in the isotopic composition of chromium in groundwater along a flowpath from a suspected chromium source could be used to determine the extent of chromium reduction that has occurred.

Ellis et al. (2002) demonstrated that chromium isotopes are substantially fractionated during abiotic reduction of Cr(VI) to Cr(III). For example, progressive reduction of Cr(VI) in a magnetite slurry, buffered at pH~6 in order to minimize sorption of (Cr<sub>2</sub>O<sub>4</sub><sup>2-</sup>) and (HCr<sub>2</sub>O<sub>4</sub>-), resulted in progressively increasing  $\delta$ <sup>53</sup>Cr of the remaining dissolved Cr(VI) ( $\delta$ <sup>53</sup>Cr is the per mil difference in measured <sup>53</sup>Cr/<sup>52</sup>Cr relative to that of NIST 979, an accepted chromium isotope standard). Using a Rayleigh fractionation model in which Cr(III), once produced, is immediately removed from further reaction (e.g., by sorption onto mineral surfaces), an instantaneous fractionation factor  $\alpha_{\text{Cr(III)-Cr(VI)}} = 0.9965$  was calculated for the reduction reaction. In other words, after the reaction progressed to 80 percent completion, the remaining Cr(VI) had  $\delta$ <sup>53</sup>Cr 5.6 parts per thousand (‰) greater than the original Cr(VI); at 90 percent completion, the difference was greater than 8‰; and so on. Chromium reduction experiments using natural magnetite-bearing and microbe-rich aquifer sediments, including

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autoclaved controls, gave essentially identical results, suggesting that at least for these sediments the reduction mechanism was abiotic.

Ellis et al. (2004) demonstrated that chromium isotopes are not significantly fractionated during sorption of Cr(VI) aqueous species onto  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> and  $\alpha$ -goethite substrates at circum-neutral pH. Similarly, no significant fractionation was observed during sorption of Cr(VI) onto  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> at pH=4. In contrast, a kinetic isotope effect was observed during sorption of Cr(VI) onto  $\alpha$ -goethite at pH=4, with  $\delta$ <sup>53</sup>Cr of the initial sorbed Cr(VI) being 3.5% less than that of the coexisting aqueous Cr(VI); however, the isotopic contrast essentially disappeared as the 12-hour experiment progressed. Thus, these workers concluded that sorption of Cr(VI) probably has only a secondary effect on the isotopic composition of dissolved chromium along groundwater flowpaths in most natural aquifer systems, although effects may be magnified at plume edges or fronts.

Equilibrium isotope fractionation between aqueous Cr(III) and Cr(VI) may be important in situations where the Cr(III)/Cr(VI) ratio of dissolved species is large (i.e., >1). Theoretical estimates of equilibrium chromium isotope fractionation between chromium aqueous species at 25°C (Schauble, 2004) indicate that  $\delta^{53}$ Cr of Cr(VI) will be ~6.6% greater than that of Cr(III). Experiments are currently under way at the USGS in Menlo Park, California to determine the practical fractionation factors of the equilibrium process, as well as to determine if natural chromium oxidation mechanisms such as oxidation of Cr(III) on mixed-valence manganese oxide surfaces promote fractionation of the chromium isotopes. However, it is important to recognize that the equilibrium effect on  $\delta^{53}$ Cr of Cr(VI) will decrease (i.e., at higher pH) as the Cr(III)/Cr(VI) ratio of dissolved species decreases, due to isotope mass balance considerations. (Thomas et al., 1996).

#### E.2 Sampling Processing and Analysis Procedures

Samples covering a broad range of chromium concentrations (from 0.8 to 2665 ppb Cr(VI)) were collected from wells within and adjacent to the inferred plume at and downgradient from the compressor station. One liter of filtered, unacidified water was collected from each well. The samples were immediately chilled on ice and shipped to the Metal Isotope Laboratory at the USGS in Menlo Park for processing.

Upon receipt of the samples, each sample was immediately measured for total Cr concentration using inductively coupled plasma mass spectrometry. Processing for isotopic analysis was then initiated by operationally separating the hexavalent and trivalent Cr fractions using ion exchange chromatography. The goal of the separation was to obtain approximately 500 nanograms of hexavalent Cr for isotopic analysis, making the assumption that >90 percent of the Cr in each sample was hexavalent. The amount of water necessary to supply 550ng of Cr was loaded directly onto anion exchange resin columns to accomplish the separation. All samples were processed through the columns within 24 hours of receipt at the lab.

#### E.2.1 Sample Processing

In detail, for samples having greater than 100ppb total Cr, an aliquot of water appropriate for each sample was loaded directly onto 2mL of anion exchange resin contained in a Teflon column. Teflon distilled acids used throughout these procedures were produced "in house"

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under sub-boiling conditions. The sample was washed with 30mL of 0.01N HCl, and the retained Cr fraction was then eluted from the column with a mixture of 12mL of 6N HCl and 500µL of Ultrapure 30 percent H<sub>2</sub>O<sub>2</sub>. This step is designed to assist with reduction of the Cr from hexavalent to trivalent redox state. 100µL of a mixed 50Cr-54Cr "double spike" solution was added to the sample, as an internal standard for the mass spectrometry step. Next, the retained Cr fraction was taken to dryness on a hot plate in a Teflon beaker. In order to destroy organics inevitably obtained from the ion exchange resin column when using the 30 percent H<sub>2</sub>O<sub>2</sub>, the dried residue was treated with successive additions of 200µL of aqua regia (a mixture of 6N HCl and concentrated HNO<sub>3</sub>) and  $50\mu$ L of 30 percent H<sub>2</sub>O<sub>2</sub>. This was again taken to dryness on a hot plate until only a small spot (containing anions and the Cr as trivalent species) was visible on the bottom of the beaker. The sample was then re-dissolved in 1mL of 0.1N HCl and was loaded directly onto a second exchange column containing 2mL of anion exchange resin. The column was washed with 10mL of 0.1N HCl and this wash fraction (containing the Cr(III)) was collected in a Teflon beaker. To remove any alkalis introduced during the processing and to eradicate the organics, the collected fraction was then loaded directly onto a third ion exchange column containing 2mL of cation exchange resin. The column was then washed with an additional 2mL of 0.1NHCl and 2mL of 1N HCl which were collected into the same beaker. A substantial proportion of the Cr was observed in this collected fraction, indicating that trivalent Cr aqueous species other than "hexaquo" Cr(III) (i.e., Cr(H<sub>2</sub>O)<sub>6</sub><sup>3+</sup>) were present. The column was then washed with 20mL of 1N HCl to pass any alkalis. Cr retained on the column was then eluted with 10mL of 6N HCl and this fraction was added to the initial fraction collected off this column. The sample was then taken to dryness on a hot plate in a Teflon beaker.

For samples having less than 100ppb total Cr, the process to this point was identical except that a larger anion exchange column (5mL resin) was used in the first step mainly to deal with the large amount of sulfate introduced from the sample. Proportionally more acid was washed through the anion exchange column during the two passes (first with Cr as an anion, then with Cr as a cation as outlined above). The 2mL cation exchange resin column was used for the alkali cleanup step.

In all cases, the final dried sample appeared as a small brown mass on the bottom of the beaker. After one or two additions of  $200\mu L$  of aqua regia and  $50\mu L$  of 30 percent  $H_2O_2$  taken to dryness on a hot plate, only an extremely small blue spot was visible on the bottom of the beaker. As a final amendment prior to loading the sample on wire ribbon filaments for mass spectrometry,  $10\mu g$  of colloidal silica and  $100\mu L$  of 0.1N HCl saturated with boric acid was added to each beaker and taken to dryness. (Johnson and Bullen, 2004; USGS, 2003)

#### E.2.2 Mass Spectrometry

Samples were loaded directly onto tantalum wire ribbon filaments using  $5\mu$ L of distilled H<sub>2</sub>O to dissolve the solid residue in each beaker. The liquid was taken to dryness and a set of samples along with a standard (NIST 979) was introduced into the thermal ionization mass spectrometer (TIMS). When a vacuum of  $10^{-8}$  torr was achieved, samples were analyzed successively for isotopic composition. Each sample was heated to approximately  $1050^{\circ}$ C over a 10-minute period and allowed to sit for several minutes as a filament curing stage. The filament was then heated until Cr ions appeared (typically at  $1100-1200^{\circ}$ C). A stable ion beam of 300mV or greater was focused on the  $^{52}$ Cr beam. Data was collected as a

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series of scans each consisting of two measurements: <sup>50</sup>Cr and <sup>52</sup>Cr simultaneously for 4 seconds, then <sup>52</sup>Cr, <sup>53</sup>Cr and <sup>54</sup>Cr simultaneously for 4 seconds. Blocks of data consisting of ten scans each, separated by a measurement of baseline and peak centers, were collected over a period ranging from one to two hours. As each block finished, the raw block values for <sup>50</sup>Cr/<sup>52</sup>Cr, <sup>53</sup>Cr/<sup>52</sup>Cr and <sup>54</sup>Cr/<sup>52</sup>Cr ratios were entered into a spreadsheet algorithm that mathematically extracts the double spike from the measured composition of the double spike-sample mixture. The result is a calculation of the <sup>50</sup>Cr/<sup>52</sup>Cr ratio of the sample.

The analytical strategy was to collect at least 6 blocks of data, with a target of  $2\sigma$ =0.15‰ or better on the block average of the  $^{50}$ Cr/ $^{52}$ Cr ratio ( $2\sigma$  = 95 percent confidence level, or 2 times the standard deviation of the block average divided by the square root of the number of measurements, n=6). If that precision was not obtained with 6 blocks of data, then an additional 2 blocks of data were collected, the high and low values were removed, and the statistical test redone. This continued until the  $2\sigma$  target was reached, with as few as 6 blocks of data but typically with 10 blocks of data, and in some cases with as many as 16 blocks of data. With this strategy, the reported isotope compositions of all samples are the result of 60 scans of the ion beam. There are several possible causes of outlier block values, including occasional electronic noise during baseline or peak center measurement, instability of the ion beams and organic isobaric interferences.

Twelve determinations of the  $^{53}$ Cr/ $^{52}$ Cr ratio of the NIST 979 Cr standard over the course of the work on the Hinkley samples yielded an average value of 0.113381 ( $2\sigma$ =0.11‰). The value reported by NIST for this standard is 0.113392.

## E.3 Data Evaluation Approach

The spatial distribution of chromium isotope compositions of groundwater throughout the plume was evaluated based on potential fractionation patterns, since the reduction of dissolved Cr(VI) can be an important mechanism that causes measurable chromium isotope fractionation in aquifers. Therefore, the concentration and chromium isotope composition of the original "pool" of chromium from a sample at the compressor station, and those along the downgradient flowpath were collected to determine if the chromium isotope composition of downgradient samples could be predicted based solely on their measured Cr(VI) concentrations using a simple Rayleigh model and the fractionation factor reported by Ellis et al. (2002). For example, if  $\delta^{53}Cr$  of the original "pool" of Cr(VI) is 0‰ and the concentration is 1 ppm, then a downgradient groundwater sample having 0.1 ppm Cr(VI) (i.e., 90 percent completion of the reduction reaction) would have  $\delta^{53}Cr$  of ~8‰ if reduction of Cr(VI) was the only process causing decreasing chromium concentrations along the flowpath.

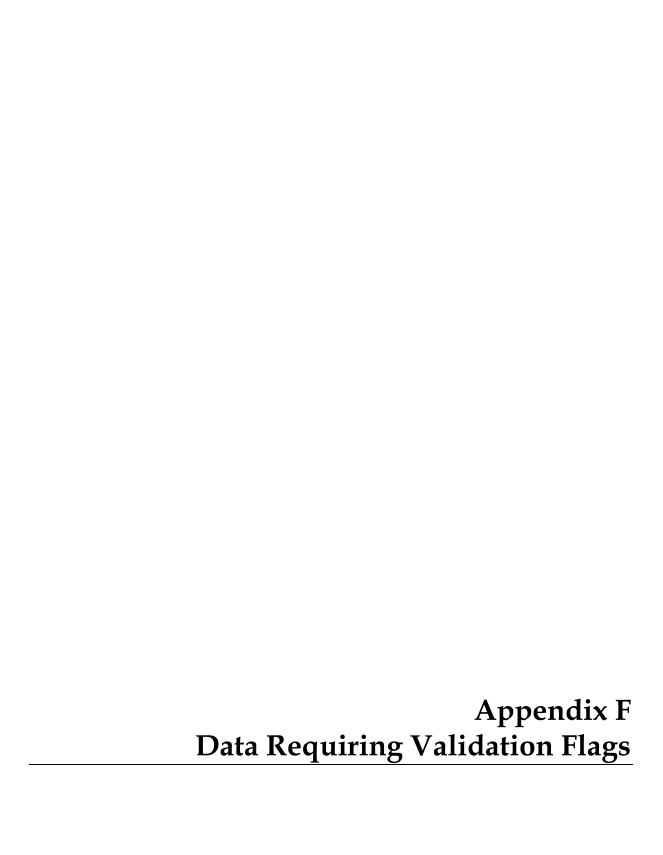
In any particular setting, downgradient groundwater chromium concentrations can be compared to those of suspected sources, and maximum chromium isotope compositions can be predicted. If the chromium isotope composition of the downgradient water sample is not as great as that predicted by the fractionation model, then the chromium in that downgradient water sample either was not derived from the suspected source "pool" or has been diluted by chromium having a different isotopic composition from another source (mixing model approach). This approach assumes that hydrologic factors that can cause

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decreasing concentrations of dissolved constituents (e.g., dispersion, diffusion, mixing) can be taken into account using additional geochemical parameters.

The isotope evaluation is presented in Section 4.2 of the report.

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Appendix F
Background Study Sampling Data Requiring Data Validation Qualifiers

SDG*	Lab Sample ID	Field Sample ID	Well ID	Sample Date	Sample Type Code	Analyte Method	Analyte	Result	Validation Qualifier	Reason Result is Qualified	Reporting Limit	Detection Limit	Units
06A174	A174-03	BGS-22 013006	BGS-22	01/30/2006	N	EPA 160.1	Total dissolved solids	240	.l	Field duplicate exceeds RPD criteria	10	5	mg/L
00/11/1		BGS-90 013006	BGS-22	01/30/2006	FD	EPA 160.1	Total dissolved solids	965	J	Field duplicate exceeds RPD criteria	10	5	mg/L
	A174-03	BGS-22 013006	BGS-22	01/30/2006	N	SW 6020A	Zinc (dissolved)	0.102	J	Field duplicate exceeds RPD criteria	0.02	0.005	mg/L
		BGS-90_013006	BGS-22	01/30/2006	FD	SW 6020A	Zinc (dissolved)	0.128	J	Field duplicate exceeds RPD criteria	0.02	0.005	mg/L
06D180	D180-01	BGS-23_042406	BGS-23	04/24/2006	N	SW 6020A	Manganese (dissolved)	0.006	J	Field duplicate exceeds RPD criteria (primary sample was detected, the FD was non-detect (ND))	0.001	0.0005	mg/L
	D180-01	BGS-23_042406	BGS-23	04/24/2006	N	SW 7199	Hexavalent chromium	1.57	J	Continuing calibration recovery greater than upper control limit	0.2	0.1	μg/L
	D180-05	MW-90_042406	BGS-23	04/24/2006	FD	SW 7199	Hexavalent chromium	1.48	J	Continuing calibration recovery greater than upper control limit	0.2	0.1	μg/L
06D191	D191-01	BGS-01_042506	BGS-01	04/25/2006	Ν	SW 6020A	Zinc (dissolved)	0.0269	J	LCS recovery greater than criteria	0.02	0.005	mg/L
	D191-02	BGS-19_042506	BGS-19	04/25/2006	N	SW 6020A	Zinc (dissolved)	0.0341	J	LCS recovery greater than criteria	0.02	0.005	mg/L
	D191-03	BGS-18_042506	BGS-18	04/25/2006	N	SW 6020A	Zinc (dissolved)	0.0399	J	LCS recovery greater than criteria	0.02	0.005	mg/L
	D191-04	BGS-22_042506	BGS-22	04/25/2006	N	SW 6020A	Zinc (dissolved)	0.152	J	LCS recovery greater than criteria	0.02	0.005	mg/L
	D191-05	BGS-27_042506	BGS-27	04/25/2006	N	SW 6020A	Zinc (dissolved)	0.0564	J	LCS recovery greater than criteria	0.02	0.005	mg/L
06G182	G182-01	BGS-28_072606	BGS-28	07/26/2006	Ν	SW 7199	Hexavalent chromium	2.07	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	G182-02	BGS-29_072606	BGS-29	07/26/2006	N	SW 7199	Hexavalent chromium	1.95	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	G182-03	BGS-10_072606	BGS-10	07/26/2006	N	SW 7199	Hexavalent chromium	0.247	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	G182-04	BGS-27_072606	BGS-27	07/26/2006	N	SW 7199	Hexavalent chromium	1.38	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	G182-05	BGS-14_072606	BGS-14	07/26/2006	N	SW 7199	Hexavalent chromium	0.223	J	Continuing calibration recovery less than lower control limit, Holding time exceeded	0.2	0.1	μg/L
	G182-06	BGS-25_072606	BGS-25	07/26/2006	N	SW 7199	Hexavalent chromium	1.31	J	Holding time exceeded	0.2	0.1	μg/L
	G182-07	MW-94_072606	BGS-30	07/26/2006	FD	SW 7199	Hexavalent chromium	2.31	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	G182-08	BGS-30_072606	BGS-30	07/26/2006	N	SW 7199	Hexavalent chromium	2.29	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	G182-09	BGS-31_072606	BGS-31	07/26/2006	N	SW 7199	Hexavalent chromium	1.12	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
06G200	G200-04	36-24_072706	36-24	07/27/2006	N	SW 7199	Hexavalent chromium	1.64	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	G200-05	01-06_072706	01-06	07/27/2006	N	SW 7199	Hexavalent chromium	0.2	UJ	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L

Appendix F
Background Study Sampling Data Requiring Data Validation Qualifiers

					Sample								
SDG*	Lab Sample ID	Field Sample ID	Well ID	Sample Date	Type Code	Analyte Method	Analyte	Result	Validation Qualifier	Reason Result is Qualified	Reporting Limit	Detection Limit	Units
061248	1248-01	BGS-29_092606	BGS-29	09/26/2006	N	SW 7199	Hexavalent chromium	1.74	J	Laboratory accuracy and precision	0.2	0.1	μg/L
	10.40,00	Cmith 1 000000	BGS-32	09/26/2006	N	SW 7199	Llevevelent ebremium	1.01		criteria not met	0.0	0.1	/1
	1248-02	Smith-1_092606	BGS-32	09/26/2006	IN	SW /199	Hexavalent chromium	1.21		Continuing calibration recovery greater than upper control limit, Field duplicate	0.2	0.1	μg/L
										exceeds RPD criteria, Holding time			
										exceeded			_
	1248-03	Vencill-1_092606	BGS-33	09/26/2006	N	SW 7199	Hexavalent chromium	0.862	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	1248-04	McConnell-1_092606	BGS-34	09/26/2006	N	SW 7199	Hexavalent chromium	1.23	J	Continuing calibration recovery less than	0.2	0.1	μg/L
		_								lower control limit			
	I248-05	Tindell-1_092606	BGS-35	09/26/2006	N	SW 7199	Hexavalent chromium	1.5	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	1248-06	Cruz-1 092606	BGS-36	09/26/2006	N	SW 7199	Hexavalent chromium	2.1	J	Continuing calibration recovery less than	0.2	0.1	μg/L
		_								lower control limit			
	I248-07	McCauley-1_092606	BGS-37	09/26/2006	N	SW 7199	Hexavalent chromium	1.34	J	Continuing calibration recovery less than lower control limit	0.2	0.1	μg/L
	1248-08	MW-90 092606	BGS-32	09/26/2006	FD	SW 7199	Hexavalent chromium	1.07	J	Continuing calibration recovery less than	0.2	0.1	μg/L
										lower control limit, Field duplicate			1.5
										exceeds RPD criteria			
061280	1280-08	VELAZQUEZ-1_09280	BGS-48	09/28/2006	N	SW 7199	Hexavalent chromium	0.577	J	Matrix spike recovery less than the lower limit	0.2	0.1	μg/L
	J236-04	BGS-01_102306	BGS-01	10/23/2006	N	SW 7199	Hexavalent chromium	0.328	J	Continuing calibration recovery greater	0.2	0.1	μg/L
	1000.05	DOC 04 400000	DO0 04	40/00/0000		0111 7100				than upper control limit			
	J236-05	BGS-04_102306	BGS-04	10/23/2006	N	SW 7199	Hexavalent chromium	2.6	J	Continuing calibration recovery greater than upper control limit	0.2	0.1	μg/L
	J236-06	BGS-12_102306	BGS-12	10/23/2006	N	SW 7199	Hexavalent chromium	0.335	J	Continuing calibration recovery greater	0.2	0.1	μg/L
										than upper control limit		_	
06J257	J257-07	BGS-22_102406	BGS-22	10/24/2006	N	EPA 160.1	Total dissolved solids	3290	R	Laboratory accuracy and precision criteria not met	10	5	mg/L
06K142	K142-01	BGS-34_111306	BGS-34	11/13/2006	N	SW 6020A	Magnesium (dissolved)	9.82	J	Continuing calibration recovery greater	1	0.05	mg/L
										than upper control limit			
	K142-02	BGS-36_111306	BGS-36	11/13/2006	N	SW 6020A	Magnesium (dissolved)	12	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L
	K142-03	BGS-38_111306	BGS-38	11/13/2006	N	SW 6020A	Magnesium (dissolved)	11.7	J	Continuing calibration recovery greater	1	0.05	mg/L
							(* * * * * * * * * * * * * * * * * *			than upper control limit			_
	K142-05	BGS-37_111306	BGS-37	11/13/2006	N	SW 6020A	Magnesium (dissolved)	11	J	Continuing calibration recovery greater	1	0.05	mg/L
	K142-06	BGS-29 111306	BGS-29	11/13/2006	N	SW 6020A	Magnesium (dissolved)	9.52	J	than upper control limit Continuing calibration recovery greater	1	0.05	mg/L
		200 20_111000	200 20	. 1/10/2000	'	2.1 0020/1	ag. loolalii (aloooli ca)	0.02	-	than upper control limit	,	0.00	9/ =
	K142-07	BGS-31_111306	BGS-31	11/13/2006	N	SW 6020A	Magnesium (dissolved)	12	J	Continuing calibration recovery greater	1	0.05	mg/L
										than upper control limit			

Appendix F
Background Study Sampling Data Requiring Data Validation Qualifiers

	Lab			Sample	Sample Type	Analyte			Validation		Reporting	Detection	
SDG*		Field Sample ID	Well ID	Date	Code	Method	Analyte	Result	Qualifier	Reason Result is Qualified	Limit	Limit	Units
06K156	K156-04	BGS-51_111406	BGS-51	11/14/2006	N	SW 6020A	Calcium (dissolved)	26.2	J	Matrix spike recovery less than the lower	1	0.05	mg/L
	K156-02	BGS-41_111406	BGS-41	11/14/2006	N	SW 6020A	Magnesium (dissolved)	28	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L
	K156-03	MW-90_111406	BGS-41	11/14/2006	FD	SW 6020A	Magnesium (dissolved)	27.9	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L
	K156-04	BGS-51_111406	BGS-51	11/14/2006	N	SW 6020A	Magnesium (dissolved)	9.77	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L
	K156-05	BGS-43_111406	BGS-43	11/14/2006	N	SW 6020A	Magnesium (dissolved)	8.45	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L
	K156-06	BGS-44_111406	BGS-44	11/14/2006	N	SW 6020A	Magnesium (dissolved)	9.29	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L
	K156-04	BGS-51_111406	BGS-51	11/14/2006	N	SW 6020A	Sodium (dissolved)	63.7	J	Matrix spike recovery less than the lower limit, Matrix spike duplicate recovery criteria less than the lower limit	1	0.05	mg/L
	K156-02	BGS-41_111406	BGS-41	11/14/2006	N	SW 7199	Hexavalent chromium	1.46	J	Continuing calibration recovery greater than upper control limit	0.2	0.1	μg/L
	K156-03	MW-90_111406	BGS-41	11/14/2006	FD	SW 7199	Hexavalent chromium	1.42	J	Continuing calibration recovery greater than upper control limit	0.2	0.1	μg/L
	K156-04	BGS-51_111406	BGS-51	11/14/2006	N	SW 7199	Hexavalent chromium	1.89	J	Continuing calibration recovery greater than upper control limit, Matrix spike recovery less than the lower limit	0.2	0.1	μg/L
	K156-06	BGS-44_111406	BGS-44	11/14/2006	N	SW 7199	Hexavalent chromium	1.69	J	Continuing calibration recovery greater than upper control limit	0.2	0.1	μg/L
	K156-07	BGS-49_111406	BGS-49	11/14/2006	N	SW 7199	Hexavalent chromium	0.933	J	Continuing calibration recovery greater than upper control limit	0.2	0.1	μg/L

#### Appendix F

Background Study Sampling Data Requiring Data Validation Qualifiers

	Lab			Sample	Sample Type	Analyte			Validation		Reporting	Detection	
SDG*	Sample ID	Field Sample ID	Well ID	Date	Code	Method	Analyte	Result	Qualifier	Reason Result is Qualified	Limit	Limit	Units
06K180	K180-04I	BGS-42_111506	BGS-42	11/15/2006	N	EPA 300.0	Chloride	55.4	J	Holding time exceeded, Laboratory accuracy and precision criteria not met	5	1	mg/L
	K180-09I	BGS-46_111506	BGS-46	11/15/2006	N	EPA 300.0	Chloride	22.9	J	Holding time exceeded, Laboratory accuracy and precision criteria not met	2.5	0.5	mg/L
	K180-04R	BGS-42_111506	BGS-42	11/15/2006	N	EPA 300.0	Nitrate as Nitrogen	0.5	R	Holding time exceeded, Laboratory accuracy and precision criteria not met	0.5	0.05	mg/L
	K180-09R	BGS-46_111506	BGS-46	11/15/2006	N	EPA 300.0	Nitrate as Nitrogen	0.5	R	Holding time exceeded, Laboratory accuracy and precision criteria not met	0.5	0.05	mg/L
	K180-04I	BGS-42_111506	BGS-42	11/15/2006	N	EPA 300.0	Sulfate	85.6	J	Holding time exceeded, Laboratory accuracy and precision criteria not met	5	2.5	mg/L
	K180-09I	BGS-46_111506	BGS-46	11/15/2006	N	EPA 300.0	Sulfate	29.2	J	Holding time exceeded, Laboratory accuracy and precision criteria not met	2.5	1.25	mg/L
	K180-06	BGS-39_111506	BGS-39	11/15/2006	N	SW 6020A	Magnesium (dissolved)	10.4	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L
	K180-07	BGS-40_111506	BGS-40	11/15/2006	N	SW 6020A	Magnesium (dissolved)	9.02	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L
	K180-09	BGS-46_111506	BGS-46	11/15/2006	N	SW 6020A	Magnesium (dissolved)	3.53	J	Continuing calibration recovery greater than upper control limit	1	0.05	mg/L

#### Notes:

\*SDG = Sample Delivery Group number

N = Normal field sample

FD = Field duplicate sample

J = Concentration is estimated based on quality control and data validation criteria.

UJ= Not detected at the reporting limit shown. The reporting limit is an estimated quantity based on quality control and data validation criteria.

R = Data are rejected based on evaluation of quality control and data validation criteria. The results must not be used for any project decisions.

RPD = Relative Percent Difference

Event 1 = February 2006, Event 2 = April 2006, Event 3 = July-September 2006, and Event 4 = October-November 2006.

# Appendix G Summary of Background Study General Chemistry and Trace Metals Sampling Results

Summary of Background Study General Chemistry and Trace Metals Sampling Results

Cummary C	Dackgr	ound Study Ge	TICIAI OTICI	liioti y ana ma	loc Motals of	ampling rest	iito							Metals							continued n	ext page>>
Well ID	_	Sample Date	Samp e Type	Depth to Top Perf. Interval (ft. BGS)	Bott Perf. Interval (ft. BGS)	Discrete Sample Depth (ft. BGS)	Antimony (diss) (6020A) (mg/L)	Arsenic (diss) (6020A) (mg/L)	Barium (diss) (6020A) (mg/L)	Beryllium (diss) (6020A) (mg/L)	Cadmium (diss) (6020A) (mg/L)	Calcium (diss) (mg/L)	Cobalt (diss) (6020A) (mg/L)	Copper (diss) (6020A) (mg/L)	Iron (diss) (6020A) (mg/L)	Lead (diss) (6020A) (mg/L)	Magnesium (diss) (6020A) (mg/L)	Manganese (diss) (6020A) (mg/L)	Mercury (diss) (7470A) (μg/L)	Molybdenum (diss) (6020A) (mg/L)	Nickel (diss) (6020A) (mg/L)	Potassium (diss) (6020A) (mg/L)
01-06	3	07/27/2006		55	78		(a)	ND 0.005				115			ND 05		00.7	ND 0.01				4.04
04E-01	3	07/25/2006 10/25/2006						ND <0.005 ND <0.005				115 ND <1			ND <0.5 ND <0.5		20.7 ND <1	ND <0.01 ND <0.01				4.84 1.58
06E-01	3	07/24/2006		80	300			ND <0.005				35.5			ND <0.5		6.68	ND <0.001				2.77
	4	10/25/2006						ND <0.005				39.1			ND <0.5		6.83	ND <0.01				2.87
		10/25/2006	(dup)					ND <0.005				39.7			ND <0.5		6.96	ND <0.01				2.91
27-03	_	07/27/2006						ND <0.005				69.1			ND <0.5		14.1	ND <0.001				3.13
36-24		07/27/2006						ND <0.005				155 147			ND <0.5		26.9 28.2	ND <0.001				4.54
36-25 BGS-01	3	07/27/2006 01/31/2006		90	150		ND <0.001	ND <0.005 0.00711	0.0406	ND <0.001	ND <0.001	81.4	ND <0.001	ND <0.01	ND <0.5 ND <0.5	ND <0.005	16.9	0.00104 ND <0.001	ND <0.5	0.00848	ND <0.02	4.29 4.78
DGO 01	2	04/25/2006		30	150		ND <0.001	0.00618	0.0536		ND <0.001	106	ND <0.001	ND <0.01	ND <0.5	ND <0.005	21.1	0.00279	ND <0.5	0.00900	ND <0.02	5.35
	3	07/25/2006						0.00733				57.6			ND <0.5		13.1	ND <0.01				4.00
	4	10/23/2006						0.00728				81.3			ND <0.5		16.6	ND <0.01				4.80
BGS-04	1	02/01/2006		83	153		ND <0.001	0.0129	0.0451		ND <0.001	22.8	ND <0.001	ND <0.01	ND <0.5	ND <0.005	10.1	ND <0.001	ND <0.5	0.00704	ND <0.02	2.93
	2	04/26/2006	( =l )				ND <0.001	0.0126	0.0435	ND <0.001	ND <0.001	21.2	ND <0.001	ND <0.01	ND <0.5	ND <0.005	10.1	ND <0.001	ND <0.5	0.00708	ND <0.02	2.72
	3	04/26/2006 07/25/2006	(dup)				ND <0.001	0.0129 0.0135	0.0435	ND <0.001	ND <0.001	21.4 20.7	ND <0.001	ND <0.01	ND <0.5 ND <0.5	ND <0.005	10.5 10.1	ND <0.001 ND <0.01	ND <0.5	0.00708	ND <0.02	2.7 2.94
	3	07/25/2006	(dup)					0.0135				19.9			ND <0.5		9.61	ND <0.01				2.78
	4	10/23/2006	(ddp)					0.0137				21.6			ND <0.5		9.71	ND <0.01				2.92
BGS-05	1	01/31/2006					ND <0.001	ND <0.005	0.0870	ND <0.001	ND <0.001	100	ND <0.001	ND <0.01	ND <0.5	ND <0.005	18.5	ND <0.001	ND <0.5	ND <0.005	ND <0.02	3.67
	2	04/25/2006					ND <0.001	ND <0.005	0.0595		ND <0.001	124	ND <0.001	ND < 0.01	ND <0.5	ND <0.005	21.1	ND <0.001	ND <0.5	ND <0.005	ND <0.02	3.60
BGS-06	1	01/31/2006		100	200		ND <0.001	ND <0.005	0.0784	ND <0.001	ND <0.001	55.1	ND <0.001	ND <0.01	ND <0.5	ND <0.005	10.2	0.00464	ND <0.5	ND <0.005	ND <0.02	3.04
	2	04/26/2006					ND <0.001	ND <0.005 ND <0.005	0.0661	ND <0.001	ND <0.001	41.1	ND <0.001	ND <0.01	ND <0.5	ND <0.005	7.55	ND <0.001	ND <0.5	ND <0.005	ND <0.02	2.45 2.76
	4	07/24/2006 10/23/2006						ND <0.005 ND <0.005				45.9 37.4			ND <0.5 ND <0.5		8.62 6.45	0.00150 ND <0.01				2.76
	_	10/23/2006	(dup)					ND <0.005				37.0			ND <0.5		6.45	ND <0.01				2.45
BGS-09	1	01/30/2006	(				ND <0.001	ND <0.005	0.0444	ND <0.001	ND <0.001	31.3	ND <0.001	ND < 0.01	ND <0.5	ND <0.005	5.88	0.00396	ND <0.5	ND <0.005	ND <0.02	2.44
	2	04/24/2006					ND <0.001	ND <0.005	0.0525	ND <0.001	ND <0.001	37.2	ND <0.001	ND < 0.01	ND <0.5	ND <0.005	6.53	0.00220	ND <0.5	ND <0.005	ND <0.02	2.36
	3	07/24/2006						ND <0.005				35.9			ND <0.5		6.71	0.00131				2.62
		07/24/2006	(dup)					ND <0.005				34.9			ND <0.5		6.61	0.00129				2.55
BGS-10	4	10/24/2006 01/31/2006					ND <0.001	ND <0.005 0.00812	0.115	ND <0.001	ND <0.001	35.5 32.0	ND <0.001	ND <0.01	ND <0.5 ND <0.5	ND <0.005	6.06 6.87	ND <0.01 0.00178	ND <0.5	0.00725	ND <0.02	2.64 3.56
DGG-10	2	04/26/2006					ND <0.001	0.00810	0.113		ND <0.001	32.7		ND <0.01	ND <0.5	ND <0.005	7.10	ND <0.001	ND <0.5	0.00725	ND <0.02	3.45
	3	07/26/2006					10.00.	0.0120	01121	112 10.001	10.00	26.2	10.00	112 10.01	ND <0.5	112 101000	6.31	ND <0.001	112 1010	0.007.00	112 10.02	3.49
	4	10/24/2006						0.00630				35.2			ND <0.5		6.59	ND <0.01				4.00
BGS-12	1	01/30/2006		86	246		ND <0.001	ND <0.005	0.118	ND < 0.001		72.8	ND <0.001			ND <0.005	13.2	0.00620	ND <0.5	ND <0.005	ND <0.02	3.29
	2	04/24/2006					ND <0.001	ND <0.005	0.134	ND <0.001	ND <0.001	79.9	ND <0.001	ND <0.01		ND <0.005	13.8	0.00475	ND <0.5	ND <0.005	ND <0.02	3.03
	3	07/24/2006 10/23/2006						ND <0.005 ND <0.005				80.4 76.3			ND <0.5 ND <0.5		14.7 13.0	0.00219 ND <0.01				3.46 3.36
BGS-13	1	01/31/2006					ND <0.001	ND <0.005	0.169	ND <0.001	ND <0.001	99.3	ND <0.001	ND <0.01		ND <0.005	18.3	0.0481	ND <0.5	ND <0.005	ND <0.02	4.24
DGC 10	2	04/27/2006					ND <0.001	ND <0.005	0.190		ND <0.001	109	ND <0.001			ND <0.005	19.3	0.00876	ND <0.5	ND <0.005	ND <0.02	4.46
	3	07/25/2006						ND <0.005				89.3			ND <0.5		16.4	ND <0.01				4.33
BGS-14	1	01/31/2006		80	195		ND <0.001	0.0185	0.0873		ND <0.001	35.3		ND <0.01		ND <0.005	7.57	0.0166	ND <0.5	ND <0.005	ND <0.02	2.35
	2	04/26/2006					ND <0.001	0.0174	0.0909	ND <0.001	ND <0.001	33.6	ND <0.001	ND <0.01		ND <0.005	7.53	0.00730	ND <0.5	ND <0.005	ND <0.02	2.06
	3	07/26/2006						0.0196				34.4			ND < 0.5		7.59	0.00415				2.25
BGS-15	1	10/23/2006 01/31/2006	1	90	120		ND <0.001	0.0205 0.0110	0.0690	ND <0.001	ND <0.001	36.8 60.4	ND <0.001	ND <0.01	ND <0.5 ND <0.5	ND <0.005	7.47 14.0	ND <0.01 0.00382	ND <0.5	0.0120	ND <0.02	2.34 4.45
DGO:13	'	01/31/2006	(dup)	30	120		ND <0.001	0.0110	0.0655		ND <0.001	56.2	ND <0.001	ND <0.01		ND <0.005	13.1	0.00382	ND <0.5	0.0120	ND <0.02	4.43
	2	04/26/2006	(5.56)				ND <0.001	0.0124	0.0623		ND <0.001	55.5	ND <0.001			ND <0.005	13.9	0.00384	ND <0.5	0.0143	ND <0.02	4.20
	3	07/25/2006						0.0133				51.1			ND <0.5		12.9	ND <0.01				4.30
	4	10/23/2006						0.0132				54.2			ND <0.5		12.6	ND <0.01				4.4

Summary of Background Study General Chemistry and Trace Metals Sampling Resu

Summary of	t Backgro	ound Study Ger	eral Chen	nistry and Tra	ace Metals S	ampling Resu I		tinuad\							General Cha	mietry			
							Metals (con	imuea)							General Che	linstry			
Well ID		Sample Date	Samp Type	Top Perf. Interval (ft. BGS)	Bott Perf. Interval (ft. BGS)	Discrete Sample Depth (ft. BGS)	Selenium (diss) (6020A) (mg/L)	Sodium (diss) (6020A) (mg/L)	Thallium (diss) (6020A) (mg/L)	Zinc (diss) (6020A) (mg/L)	Bromide (300.0) (mg/L)	Chloride (300.0) (mg/L)	Nitrate as N (300.0) (mg/L)	Sulfate (300.0) (mg/L)	Alkalinity, Total as CaCO3 (310.1) (mg/L)	Alkalinity, bicarb as CaCO3 (310.1) (mg/L)	Alkalinity, as carbonate (310.1) (mg/L)	Ammonia as N (350.2) (mg/L)	Total dissolved solids (TDS) (160.1) (mg/L)
01-06	3	07/27/2006		55	78			105				440	0.40	474	010	040	ND 5		705
04E-01	3	07/25/2006 10/25/2006						105 270				119 125	6.43 6.63	171 183	213 205	213 205	ND <5		765 830
06E-01	3	07/24/2006		80	300			44.2				40.1	3.01	41.8	99.1	99.1			300
002 01	4	10/25/2006		00	300			45.1				50.9	3.88	40.1	108	108			325
		10/25/2006	(dup)					46.2				51.5	3.84	40.4	108	108			315
27-03	3	07/27/2006	(					83.3				112	9.81	71.1	133	133			530
36-24	3	07/27/2006						188				147	13.9	191	432	432			1080
36-25	3	07/27/2006						263				160	21.0	242	469	469			1260
BGS-01	1	01/31/2006		90	150		ND <0.001	107	ND <0.001	0.0343	ND <0.5	113	1.71	176	145	145	ND <5	ND <0.5	700
	2	04/25/2006					ND <0.001	129	ND <0.001	0.0269 J	ND <0.5	155	2.52	248	162	162	ND <5	ND <0.5	870
	3	07/25/2006 10/23/2006						76.1 96.6				90.9 123	1.42 1.98	129 187	123	123 140	ND <5		545 690
BGS-04	1	02/01/2006		83	153		ND <0.001	92.7	ND <0.001	ND <0.02	ND <0.5	45.0	ND <0.5	63.6	140 131	131	ND <5	ND <0.5	350
DGG-04	2	04/26/2006		00	133		ND <0.001	88.6	ND <0.001	ND <0.02	ND <0.5	43.5	ND <0.5	63.9	140	140	ND <5	ND <0.5	390
	_	04/26/2006	(dup)				ND <0.001	89.1	ND <0.001	ND <0.02	ND <0.5	43.8	ND <0.5	63.1	143	143	ND <5	ND <0.5	340
	3	07/25/2006	( 1 /					84.4				46.1	ND <0.5	65.2	133	133	ND <5		360
		07/25/2006	(dup)					80.6				45.4	ND <0.5	64.2	133	133	ND <5		360
	4	10/23/2006						84.0				46.6	ND <0.5	67.7	133	133			385
BGS-05	1	01/31/2006					ND <0.001	91.0	ND <0.001	0.0203	ND <0.5	86.8		104	264	264	ND <5	ND <0.5	670
DOO 00	2	04/25/2006		400	000		ND <0.001	144	ND <0.001	ND <0.02	ND <0.5	96.7	0.00	146	349	349	ND <5	ND <0.5	910
BGS-06	1	01/31/2006		100	200		ND <0.001	77.2 45.2	ND <0.001 ND <0.001	0.0379	ND <0.5	55.0	6.82	60.0 47.3	173	173	ND <5 ND <5	ND <0.5	410 305
	2	04/26/2006 07/24/2006					ND <0.001	45.2 58	IND <0.001	ND <0.02	ND <0.5	42.7 62.7	1.42 4.79	47.3	98.9 115	98.9 115	(S)	ND <0.5	330
	4	10/23/2006						44.4				43.7	1.74	44.2	97.5	97.5			280
	•	10/23/2006	(dup)					43.5				44.2	1.67	45.2	95.0	95.0			240
BGS-09	1	01/30/2006	(3.5.1)				ND <0.001	34.7	ND <0.001	0.0257	ND <0.5	32.8	1.15	37.7	90.3	90.3	ND <5	ND <0.5	235
	2	04/24/2006					ND <0.001	39.9	ND < 0.001	ND <0.02	ND <0.5	53.1	0.854	36.8	79.6	79.6	ND <5	ND <0.5	265
	3	07/24/2006						36.8				34.2	1.17	38.6	91.2	91.2			265
		07/24/2006	(dup)					36.1				34.8	1.17	39.1	93.8	93.8			245
	4	10/24/2006						35.1				34.2	1.09	43.4	95.0	95.0			255
BGS-10	1	01/31/2006					ND <0.001	63.4	ND <0.001	ND <0.02	ND <0.5	45.2	ND <0.5	43.2	126	126	ND <5	ND <0.5	310
	2	04/26/2006 07/26/2006					ND <0.001	65 58.7	ND <0.001	ND <0.02	ND <0.5	47.2 41.3	ND <0.5 ND <0.5	44.5 36.8	135 128	135 128	ND <5 ND <5	ND <0.5	350 335
	4	10/24/2006						61.9				53.7	ND <0.5	51.8	125	125	ND <3		400
BGS-12	1	01/30/2006		86	246		ND <0.001	60.4	ND <0.001	0.0620	ND <0.5	51.8	5.70	74.1	185	185	ND <5	ND <0.5	465
	2	04/24/2006					ND <0.001	63.2	ND < 0.001	0.0462	ND <0.5	56.7	5.83	76.9	203	203	ND <5	ND <0.5	480
	3	07/24/2006						64.2				61.5	6.14	82.8	196	196			505
	4	10/23/2006						60.2				56.2	5.90	74.2	185	185			425
BGS-13	1	01/31/2006					ND <0.001	76.7	ND <0.001	0.519	ND <0.5	73.9	12.6	78.2	280	280	ND <5	ND <0.5	625
	2	04/27/2006					ND <0.001	81.9	ND <0.001	0.185	ND <0.5	71.7	12.1	79.9	288	288	ND <5	ND <0.5	660
DCC 14	3	07/25/2006		00	105		ND .0.004	75.5	ND 0004	0.100	ND OF	76.2	14.2	71.7	224	224	ND <5	ND OF	575
BGS-14	1 2	01/31/2006 04/26/2006		80	195		ND <0.001 ND <0.001	52.6 50.3	ND <0.001 ND <0.001	0.108 0.0566	ND <0.5 ND <0.5	37.6 39.2	ND <0.5 ND <0.5	41.6 42.5	131	131 135	ND <5 ND <5	ND <0.5 ND <0.5	305 355
	3	07/26/2006					ווט כט.טטו	49.9	ואט <0.001	0.0566	(0.0 AND	39.2	ND <0.5 ND <0.5	42.5	135 133	133	ND <5	(0.5) UND	340
	4	10/23/2006						52.1				39.4	ND <0.5	44.2	133	133	115 <0		335
BGS-15	1	01/31/2006		90	120		ND <0.001	116	ND <0.001	0.0706	ND <0.5	131	1.52	119	116	116	ND <5	ND <0.5	580
		01/31/2006	(dup)				ND <0.001	109	ND <0.001	0.0602	ND <0.5	129	1.52	120	112	112	ND <5	ND <0.5	565
	2	04/26/2006					ND <0.001	117	ND <0.001	0.0451	ND <0.5	130	0.936	127	118	118	ND <5	ND <0.5	640
	3	07/25/2006						108				130	0.791	129	117	117	ND <5		630
	4	10/23/2006						110				132	0.901	131	115	115			580

Summary of Background Study General Chemistry and Trace Metals Sampling Results

Summary o	Dackgi	ound Study Ger	ileiai Cilei	ilistry and ma	ice ivietais Se	ampling Nest	illo							Metals							continued n	ext page>>
Well ID	Qtr.	Sample Date	Samp Type	Depth to Top Perf. Interval (ft. BGS)	Depth to Bott Perf. Interval (ft. BGS)	Discrete Sample Depth (ft. BGS)	Antimony (diss) (6020A) (mg/L)	Arsenic (diss) (6020A) (mg/L)	Barium (diss) (6020A) (mg/L)	Beryllium (diss) (6020A) (mg/L)	Cadmium (diss) (6020A) (mg/L)	Calcium (diss) (mg/L)	Cobalt (diss) (6020A) (mg/L)	Copper (diss) (6020A) (mg/L)	Iron (diss) (6020A) (mg/L)	Lead (diss) (6020A) (mg/L)	Magnesium (diss) (6020A) (mg/L)	Manganese (diss) (6020A) (mg/L)	Mercury (diss) (7470A) (μg/L)	Molybdenum (diss) (6020A) (mg/L)	Nickel (diss) (6020A) (mg/L)	Potassium (diss) (6020A) (mg/L)
BGS-16	1 2 3	01/31/2006 04/24/2006 07/25/2006		100	200		ND <0.001 ND <0.001	0.00602 0.00672 0.00716	0.0633 0.0662	ND <0.001 ND <0.001	ND <0.001 ND <0.001	85.9 87.7 76.7	ND <0.001 ND <0.001	ND <0.01 ND <0.01	ND <0.5 ND <0.5 ND <0.5	ND <0.005 ND <0.005	16.4 15.8 14.7	ND <0.001 0.00144 ND <0.01	ND <0.5 ND <0.5	0.00531 0.00629	ND <0.02 ND <0.02	5.64 5.49 5.58
BGS-18	4	10/23/2006 02/01/2006					ND <0.001	0.00790 0.00956	0.0441		ND <0.001	80.2 54.8	ND <0.001	ND <0.01	ND <0.5 ND <0.5	ND <0.005	14.7 25.4	ND <0.01 0.00112	0.602	0.0320	ND <0.02	5.83 5.82
	2 3 4	04/25/2006 07/25/2006 10/24/2006					ND <0.001	0.00902 0.00665 0.00821	0.0454		ND <0.001	57.4 49.5 54.4	ND <0.001	ND <0.01	ND <0.5 ND <0.5 ND <0.5	ND <0.005	27.4 24.6 25.2	ND <0.001 0.197 ND <0.01	0.587	0.0292	ND <0.02	5.63 5.97 5.91
BGS-19	2 3 4	04/25/2006 07/25/2006 10/24/2006					ND <0.001	0.00614 0.00897 0.00981	0.0610	ND <0.001	ND <0.001	59.3 47.3 43.9	ND <0.001	ND <0.01	ND <0.5 ND <0.5 ND <0.5	ND <0.005	18.7 15.8 13.3	0.00161 ND <0.01 ND <0.01	2.29	0.0121	ND <0.02	5.73 5.90 5.47
BGS-22	1	10/24/2006 01/30/2006 01/30/2006	(dup)				ND <0.001 ND <0.001	0.00954 0.00620 0.00588	0.105 0.107	ND <0.001 ND <0.001	ND <0.001 ND <0.001	45 28.3 29.0	ND <0.001 ND <0.001	ND <0.01 ND <0.01	ND <0.5 ND <0.5 ND <0.5	ND <0.005 ND <0.005	13.3 4.50 4.57	ND <0.01 0.00108 0.00161	ND <0.5 ND <0.5	ND <0.005 ND <0.005	ND <0.02 ND <0.02	5.57 2.05 2.09
	2 3 4	04/25/2006 07/24/2006 10/24/2006					ND <0.001	0.00574 0.00631 0.00585	0.117		ND <0.001	29.0 28.4 27.8	ND <0.001	ND <0.01	ND <0.5 ND <0.5 ND <0.5	ND <0.005	4.60 4.46 4.40	ND <0.001 ND <0.001 ND <0.01	ND <0.5	ND <0.005	ND <0.02	1.97 2.08 2.33
BGS-23	1 2	01/31/2006 04/24/2006	(-1,)	82	187		ND <0.001 ND <0.001	0.00821 0.00831	0.0564 0.0594	ND <0.001	ND <0.001 ND <0.001	30.1 32.7	ND <0.001 ND <0.001	ND <0.01 ND <0.01	ND <0.5 ND <0.5	ND <0.005 ND <0.005	5.72 5.64	ND <0.001 0.00612 J	ND <0.5 ND <0.5	0.00742 0.00844	ND <0.02 ND <0.02	2.71 2.58
	3	04/24/2006 07/25/2006 07/25/2006	(dup)				ND <0.001	0.00845 0.00853 0.00880	0.0594	ND <0.001	ND <0.001	31.6 29.9 30.2	ND <0.001	ND <0.01	ND <0.5 ND <0.5 ND <0.5	ND <0.005	5.88 5.72 5.72	ND <0.001 ND <0.01 ND <0.01	ND <0.5	0.00863	ND <0.02	2.57 2.86 2.89
BGS-24	1 2	10/24/2006 02/02/2006 04/26/2006				60-60	ND <0.001 (a)	ND <0.005 ND <0.005	0.0335	ND <0.001	ND <0.001	30.9 34.1	ND <0.001	ND <0.01	ND <0.5 ND <0.5	ND <0.005	4.81 5.61	ND <0.01 0.0153	ND <0.5	ND <0.005	ND <0.02	2.59
	2 2 3	04/26/2006 04/26/2006 07/27/2006				100-100 140-140	(a) ND <0.001	ND <0.005 ND <0.005	0.0394	ND <0.001	ND <0.001	34.8 33.5	ND <0.001	ND <0.01	ND <0.5 ND <0.5	ND <0.005	6.40 5.91	0.00609 0.00471	ND <0.5	ND <0.005	ND <0.02	2.21 2.08
BGS-25	1 2 3	01/30/2006 04/26/2006 07/26/2006		80	400		ND <0.001 ND <0.001	ND <0.005 ND <0.005 ND <0.005	0.0476 0.0521		ND <0.001 ND <0.001	146 155 139	ND <0.001 ND <0.001	ND <0.01 ND <0.01	ND <0.5 ND <0.5 ND <0.5	ND <0.005 ND <0.005	25.9 27.3 24.9	0.00278 0.00192 0.00118	ND <0.5 ND <0.5	ND <0.005 ND <0.005	ND <0.02 ND <0.02	4.13 4.13 4.09
BGS-27	1 2	10/23/2006 02/02/2006 04/25/2006					ND <0.001 ND <0.001	ND <0.005 ND <0.005 ND <0.005	0.0645 0.0641	ND <0.001 ND <0.001	ND <0.001 ND <0.001	153 178 168	ND <0.001 ND <0.001	ND <0.01 ND <0.01	ND <0.5 ND <0.5 ND <0.5	ND <0.005 ND <0.005	24.9 30.7 27.5	ND <0.01 0.00139 0.00299	ND <0.5 ND <0.5	ND <0.005 ND <0.005	ND <0.02 ND <0.02	4.26 5.50 5.00
BGS-28	3 4 3	07/26/2006 10/24/2006 07/26/2006						ND <0.005 ND <0.005 0.0102				143 145 27.5			ND <0.5 ND <0.5 ND <0.5		26.5 24.0 12.0	ND <0.001 ND <0.01 0.00175				4.89 4.84 3.37
BGS-29	4	10/25/2006 07/26/2006 09/26/2006		45	105			0.00993 0.00814 0.00802				27.2 27.7 29.1			ND <0.5 ND <0.5 ND <0.5		9.37 9.21	ND <0.01 ND <0.001 ND <0.01				3.39 3.19 3.14
BGS-30	4	11/13/2006 07/26/2006 07/26/2006	(dup)					0.00739 0.0122 0.0123				29.2 25.6 25.4			ND <0.5 ND <0.5 ND <0.5		9.52 J 14.2 14.0	ND <0.01 0.00112 0.00116				3.04 3.53 3.48
BGS-31	3	07/26/2006 09/27/2006	(dup)					0.0111 0.00859				25.2 27.5			ND <0.5 ND <0.5		10.5 11.5	0.00123 ND <0.01				2.97 3.13
BGS-32		11/13/2006 09/26/2006 09/26/2006	(dup)	73	136			0.00782 0.0148 0.0158				27.3 28.4 30.1			ND <0.5 ND <0.5 ND <0.5		12.0 J 15.8 16.8	ND <0.01 ND <0.01 ND <0.01				2.92 4.05 4.31
BGS-33	3 4	11/15/2006 09/26/2006 11/15/2006		55	114			0.0128 0.00833 0.00730				30.0 58.0 49.7			ND <0.5 ND <0.5 ND <0.5		16.0 32.9 26.0	ND <0.01 ND <0.01 ND <0.01				3.88 5.36 4.51

Summary of Background Study General Chemistry and Trace Metals Sampling Resu

Outlinary C	Dackgr	ound Study Gei	lerar Orier	Instry and The	le ivietais o		Metals (con	tinued)							General Che	mistry			
Well ID	Otr.	Sample Date	Samp Type	Depth to Top Perf. Interval (ft. BGS)		Discrete Sample Depth (ft. BGS)	Selenium (diss) (6020A) (mg/L)	Sodium (diss) (6020A) (mg/L)	Thallium (diss) (6020A) (mg/L)	Zinc (diss) (6020A) (mg/L)	Bromide (300.0) (mg/L)	Chloride (300.0) (mg/L)	Nitrate as N (300.0) (mg/L)	Sulfate (300.0) (mg/L)	Alkalinity, Total as CaCO3 (310.1)	Alkalinity, bicarb as	Alkalinity, as carbonate (310.1) (mg/L)	Ammonia as N (350.2) (mg/L)	Total dissolved solids (TDS) (160.1) (mg/L)
BGS-16	1	01/31/2006	1,760	100	200	(10.20.0)	ND <0.001	103	ND <0.001	0.0301	ND <0.5	132	1.66	187	116	116	ND <5	ND <0.5	750
	2	04/24/2006					ND < 0.001	106	ND < 0.001	0.0348	ND < 0.5	140	1.59	185	118	118	ND <5	ND <0.5	735
	3	07/25/2006						93.7				131	1.53	171	123	123	ND <5		710
	4	10/23/2006						95.7				131	1.58	181	113	113			685
BGS-18	1	02/01/2006					ND <0.001	235	ND <0.001	0.106	ND <0.5	214	9.14	269	190	190	ND <5	ND <0.5	1150
	2	04/25/2006					ND <0.001	239	ND <0.001	0.0399 J	ND <0.5	201	8.72	219	198	198	ND <5	ND <0.5	2390
	3	07/25/2006						224				223	8.30	217	197	197	ND <5		1040
	4	10/24/2006						218				201	7.23	225	180	180			975
BGS-19	2	04/25/2006					ND <0.001	347	ND <0.001	0.0341 J	ND <0.5	298	15.1	143	349	349	ND <5	ND <0.5	1220
	3	07/25/2006						348				264	13.4	156	315	315	ND <5		1160
	4	10/24/2006	( 1 )					284				251	12.0	162	300	300			1070
DO0.00		10/24/2006	(dup)				ND 0.004	290	ND 0.004	0.400 1	ND 0.5	252	12.2	172	300	300	ND F	ND 05	1080
BGS-22	1	01/30/2006	( -1 )				ND <0.001	49.2	ND <0.001	0.102 J	ND <0.5	20.1	ND <0.5	23.4	140	140	ND <5	ND <0.5	240 J
	2	01/30/2006 04/25/2006	(dup)				ND <0.001 ND <0.001	49.7 52.4	ND <0.001 ND <0.001	0.128 J 0.152 J	ND <0.5 ND <0.5	20.0 20.8	ND <0.5 ND <0.5	23.3 24.0	138 148	138 148	ND <5 ND <5	ND <0.5 ND <0.5	965 J 90
	3	07/24/2006					ND <0.001	50.3	ND <0.001	0.132 0	ND <0.5	21.0	ND <0.5	26.0	141	141	ND <3	ND <0.5	205
	4	10/24/2006						51.9				21.0	ND <0.5	24.1	140	140			203
BGS-23	1	01/31/2006		82	187		ND <0.001	61.4	ND <0.001	ND <0.02	ND <0.5	38.0	ND <0.5	45.9	147	147	ND <5	ND <0.5	325
DGC 20	2	04/24/2006		02	107		ND <0.001	66.5	ND <0.001	ND <0.02	ND <0.5	37.9	ND <0.5	46.0	140	140	ND <5	ND <0.5	340
	_	04/24/2006	(dup)				ND <0.001	64.1	ND <0.001	ND <0.02	ND <0.5	38.4	ND <0.5	46.7	140	140	ND <5	ND <0.5	350
	3	07/25/2006	(ddp)				112 (0.001	61.3	112 (0.001	115 (0.02	115 (0.0	38.1	ND <0.5	45.4	133	133	ND <5	112 (0.0	340
		07/25/2006	(dup)					62.1				39.2	ND <0.5	46.9	133	133	ND <5		350
	4	10/24/2006	(  - )					54.5				38.7	ND <0.5	47.0	133	133			360
BGS-24	1	02/02/2006					ND <0.001	37.2	ND < 0.001	ND < 0.02	ND <0.5	29.8	1.47	35.4	95.0	95.0	ND <5	ND <0.5	230
	2	04/26/2006				60-60													
	2	04/26/2006				100-100													
	2	04/26/2006				140-140	ND <0.001	38.3	ND < 0.001	ND < 0.02	ND < 0.5	28.2	1.15	34.1	102	102	ND <5	ND <0.5	265
	3	07/27/2006						36.5				28.8	1.19	35.5	96.0	96.0			235
BGS-25	1	01/30/2006		80	400		ND <0.001	120	ND <0.001	0.0403	ND <0.5	118	10.9	203	304	304	ND <5	ND <0.5	250
	2	04/26/2006					ND <0.001	126	ND <0.001	0.0345	ND <0.5	117	10.4	189	310	310	ND <5	ND <0.5	940
	3	07/26/2006						106				117	11.0	182	320	320	ND <5		950
	4	10/23/2006						111				123	11.8	193	310	310			925
BGS-27	1	02/02/2006					ND <0.001	218	ND <0.001	0.0467	ND <0.5	151		204	442	442	ND <5	ND <0.5	1180
	2	04/25/2006					ND <0.001	207	ND <0.001	0.0564 J	ND <0.5	149		199	445	445	ND <5	ND <0.5	1180
	3	07/26/2006 10/24/2006						180 180				145 133		189 177	427 393	427 393	ND <5		1140 1090
BGS-28	2							83.6				59.1	0.576	79.9	133	133	ND <5		415
DG3-20	4	07/26/2006 10/25/2006						80.7				62.1	0.528	92.3	130	130	ND <3		400
BGS-29	3	07/26/2006		45	105			65.6				43.2	ND <0.5	57.4	133	133	ND <5		355
BG0 20	3	09/26/2006		10	100			70.5				43.0	ND <0.5	56.7	133	133	NB (0		365
	4	11/13/2006						69.8				44.6	ND <0.5	58.3	133	133			335
BGS-30	3	07/26/2006						110				81.2	0.838	105	128	128	ND <5		480
	_	07/26/2006	(dup)					108				81.4	0.839	105	128	128	ND <5		485
BGS-31	3	07/26/2006						69.2				44.2	ND <0.5	58.4	139	139	ND <5		355
	3	09/27/2006						86.8				56.6	ND <0.5	82.2	138	138			325
	4	11/13/2006	1			<u> </u>		87.7				55.5	ND <0.5	82.0	133	133			410
BGS-32	3	09/26/2006		73	136			146				98.3	1.97	178	125	125			640
		09/26/2006	(dup)					155				98.6	1.79	178	125	125			600
	4	11/15/2006						149				114	2.46	202	113	113			660
BGS-33	3	09/26/2006		55	114			179				174	7.91	259	113	113			900
	4	11/15/2006						163				164	8.59	265	108	108			825

Summary of Background Study General Chemistry and Trace Metals Sampling Results

		lound Olddy Oci				J								Metals							continued n	ext page>>
Well ID	Qtr.	Sample Date	Samp	Top Perf.	Depth to Bott Perf. Interval (ft. BGS)		Antimony (diss) (6020A) (mg/L)	Arsenic (diss) (6020A) (mg/L)	Barium (diss) (6020A) (mg/L)	Beryllium (diss) (6020A) (mg/L)	Cadmium (diss) (6020A) (mg/L)	Calcium (diss) (mg/L)	Cobalt (diss) (6020A) (mg/L)	Copper (diss) (6020A) (mg/L)	Iron (diss) (6020A) (mg/L)	Lead (diss) (6020A) (mg/L)	Magnesium (diss) (6020A) (mg/L)	Manganese (diss) (6020A) (mg/L)	Mercury (diss) (7470A) (μg/L)	Molybdenum (diss) (6020A) (mg/L)	Nickel (diss) (6020A) (mg/L)	Potassium (diss) (6020A) (mg/L)
BGS-34	3	09/26/2006	- 7	42	147	(111 = 0.0)	(****9, =)	0.0123	(****9, =,	(9: =)	(g/	19.3	(==-9, =)	(****9, =)	ND <0.5	(9: =/	10.0	ND <0.01	(F-9: -/	(***9, =)	(9/	2.93
	4	11/13/2006						0.0109				18.3			ND <0.5		9.82 J	ND <0.01				2.67
BGS-35	3	09/26/2006						0.0121				23.7			ND <0.5		12.5	ND <0.01				3.28
	4	11/15/2006						0.0115				23.2			ND <0.5		11.8	ND < 0.01				3.04
BGS-36	3	09/26/2006		85	165			0.0121				24.4			ND <0.5		12.1	ND <0.01				3.22
	4	11/13/2006						0.0114				24.4			ND <0.5		12.0 J	ND <0.01				3.08
BGS-37	3	09/26/2006		55	160			0.0117				21.4			ND <0.5		10.9	ND <0.01				2.99
	4	11/13/2006						0.0117				21.3			ND <0.5		11.0 J	ND <0.01				2.83
BGS-38	3	09/27/2006						0.0136				19.1			ND <0.5		10.8	ND <0.01				3.29
200.00	4	11/13/2006		=-	450			0.0133				19.1			ND <0.5		11.7 J	ND <0.01				3.18
BGS-39	3	09/27/2006		72	152			0.0107				25.1			ND <0.5		9.90	ND <0.01				2.85
DCC 40	4	11/15/2006						0.0107				27.1			ND <0.5		10.4 J	ND <0.01 ND <0.01				2.87 2.76
BGS-40	3 4	09/27/2006 11/15/2006						0.0100 0.00945				24.3 25.7			ND <0.5 ND <0.5		8.99 9.02 J	ND <0.01 ND <0.01				2.76
BGS-41	3	09/27/2006						0.00945				69.5			ND <0.5		25.7	ND <0.01				4.67
BG5-41	3	09/27/2006	(dup)					0.00575				66.8			ND <0.5		24.5	ND <0.01				4.55
	4	11/14/2006	(dup)					0.00573				65.1			ND <0.5		28.0 J	ND <0.01				4.63
		11/14/2006	(dup)					0.00540				66.0			ND <0.5		27.9 J	ND <0.01				4.67
BGS-42	3	09/27/2006	(444)					0.0104				23.3			ND <0.5		10.7	ND <0.01				2.98
-5.5	4	11/15/2006						0.0101				24.8			ND <0.5		10.8	ND <0.01				2.85
		11/15/2006	(dup)					0.0102				24.8			ND <0.5		11.0	ND < 0.01				2.89
BGS-43	3	09/28/2006						0.00874				26.2			ND <0.5		7.96	ND <0.01				3.1
	4	11/14/2006						0.00777				23.3			ND <0.5		8.45 J	ND < 0.01				2.88
BGS-44	3	09/28/2006						0.00937				26.3			ND <0.5		8.51	ND <0.01				3.13
	4	11/14/2006						0.00854				24.4			ND <0.5		9.29 J	0.0112				2.94
BGS-45	3	09/28/2006						0.00760				59.8			ND <0.5		21.9	ND <0.01				4.43
BGS-46	3	09/28/2006						ND <0.005				23.1			ND <0.5		3.55	ND <0.01				1.40
	4	11/15/2006						ND <0.005				23.2			ND <0.5		3.53 J	ND <0.01				1.45
BGS-47	3	09/28/2006						0.0228				7.09			ND <0.5		ND <1	ND <0.01				1.29
	4	11/15/2006						0.0185				7.34			ND <0.5		ND <1	ND <0.01				1.24
BGS-48	3	09/28/2006						0.126				2.35			ND <0.5		ND <1	ND <0.01				ND <1
BGS-49	3	09/28/2006	(-1,)					0.0178				17.6			ND <0.5		9.38	ND <0.01				3.22
	4	09/28/2006	(dup)					0.0183				19.3			ND <0.5		10.0	ND <0.01				3.56 2.87
BGS-50	4	11/14/2006						0.0157 0.200				16.8 6.52			ND <0.5 ND <0.5		9.99 ND <1	ND <0.01 ND <0.01				1.30
		11/13/2006		160	200			0.200									9.77 J					3.07
BGS-51	4	11/14/2006		160	200			0.00770				26.2 J			ND <0.5		9.77 J	ND <0.01				3.07

#### Notes:

(dup) = Duplicate field sample

(a) = Samples from this well on the date shown were analyzed for Total and Hexavalent Chromium only

No value shown (result is blank) = Not analyzed

ND = Not detected at reporting limit shown

J = Concentration is estimated based on quality control and data validation criteria

UJ = Analyte is not detected at the reporting limit shown. The reporting limit is an estimated quantity

Quarter 1 = February 2006, Quarter 2 = April 2006, Quarter 3 = July-September 2006, and Quarter 4 = October-November 2006.

Summary of Background Study General Chemistry and Trace Metals Sampling Resu

Summary o	r Backgr	ound Study Gen	erai Unen	nistry and Tra	ace Metals S														
							Metals (con	tinued)							General Che	mistry			
			Samp	Top Perf. Interval	Depth to Bott Perf. Interval	Discrete Sample Depth	Selenium (diss) (6020A)	Sodium (diss) (6020A)	Thallium (diss) (6020A)	Zinc (diss) (6020A)	Bromide (300.0)	Chloride (300.0)	Nitrate as N (300.0)	Sulfate (300.0)	Alkalinity, Total as CaCO3 (310.1)		Alkalinity, as carbonate (310.1)	Ammonia as N (350.2)	Total dissolved solids (TDS)
Well ID		Sample Date	Туре	(ft. BGS)	(ft. BGS)	(ft. BGS)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(310.1) (mg/L)	(mg/L)	(mg/L)	(160.1) (mg/L)
BGS-34	3	09/26/2006		42	147			104				55.2	ND <0.5	86.3	125	125			410
DO0.05	4	11/13/2006						98.5				56.5	ND <0.5	87.7	125	125			390 455
BGS-35	3	09/26/2006						110				86.2	ND <0.5	104	118	118			
DCC 00	4	11/15/2006		0.5	105			110				82.8	ND <0.5	107	120	120			450
BGS-36	3	09/26/2006		85	165			94.5				58.7	ND <0.5	93.0	130	130 125			430
DCC 07	4	11/13/2006			100			95.0 95.9				58.3	ND <0.5 ND <0.5	92.7 84.5	125	125			410
BGS-37	3 4	09/26/2006 11/13/2006		55	160			95.9 95.1				54.6 54.4	ND <0.5 ND <0.5	83.6	125 125	125			415 390
BGS-38	3	09/27/2006						116				73.3	ND <0.5	129	133	133			435
BG3-36	4	11/13/2006						119				69.7	ND <0.5 ND <0.5	129	125	125			465
BGS-39	3	09/27/2006		72	152			68.2				45.7	ND <0.5	59.5	138	138			275
DGG-59	4	11/15/2006		12	132			75.5				47.6	ND <0.5	62.5	135	135			340
BGS-40	3	09/27/2006						69.6				40.4	ND <0.5	52.0	140	140			275
BGO 40	4	11/15/2006						75.3				42.9	ND <0.5	54.3	138	138			500
BGS-41	3	09/27/2006						105				140	3.02	197	118	118			635
BG0 41		09/27/2006	(dup)					99.5				137	2.86	191	120	120			615
	4	11/14/2006	(ddp)					98.2				142	2.91	193	120	120			685
	,	11/14/2006	(dup)					98.6				143	2.92	199	113	113			730
BGS-42	3	09/27/2006	(ddp)					82.9				54.9	ND <0.5	83.3	130	130			325
25.5 .2	4	11/15/2006						89.5				55.4 J	112 1010	85.6 J	128	128			400
		11/15/2006	(dup)					88.8				56.4	ND <0.5	85.1	125	125			415
BGS-43	3	09/28/2006	(/					64.4				40.4	ND <0.5	48.1	128	128			260
	4	11/14/2006						59.0				41.7	ND <0.5	49.6	120	120			335
BGS-44	3	09/28/2006						66.4				43.7	ND <0.5	54.7	128	128			285
	4	11/14/2006						63.0				45.1	ND <0.5	56.8	125	125			345
BGS-45	3	09/28/2006						105				107	1.90	177	120	120			550
BGS-46	3	09/28/2006						51.4				22.7	ND <0.5	28.2	115	115			190
	4	11/15/2006						55.6				22.9 J		29.2 J	118	118			245
BGS-47	3	09/28/2006						108				56.6	2.98	30.1	140	140			300
	4	11/15/2006						116				59.4	2.70	30.4	125	125			380
BGS-48	3	09/28/2006						98.9				20.9	ND <0.5	25.0	163	163			230
BGS-49	3	09/28/2006						111				64.2	ND <0.5	116	140	140			440
		09/28/2006	(dup)					122				64.8	ND <0.5	117	133	133			425
	4	11/14/2006						108				67.9	ND <0.5	122	133	133			495
BGS-50		11/13/2006						97.5				21.8	ND <0.5	33.4	165	165			310
BGS-51	4	11/14/2006		160	200			63.7 J				17.3	ND <0.5	22.6	128	128			340

#### Notes:

(dup) = Duplicate field sample

(a) = Samples from this well on the date shown were analyzed for Total and H

No value shown (result is blank) = Not analyzed

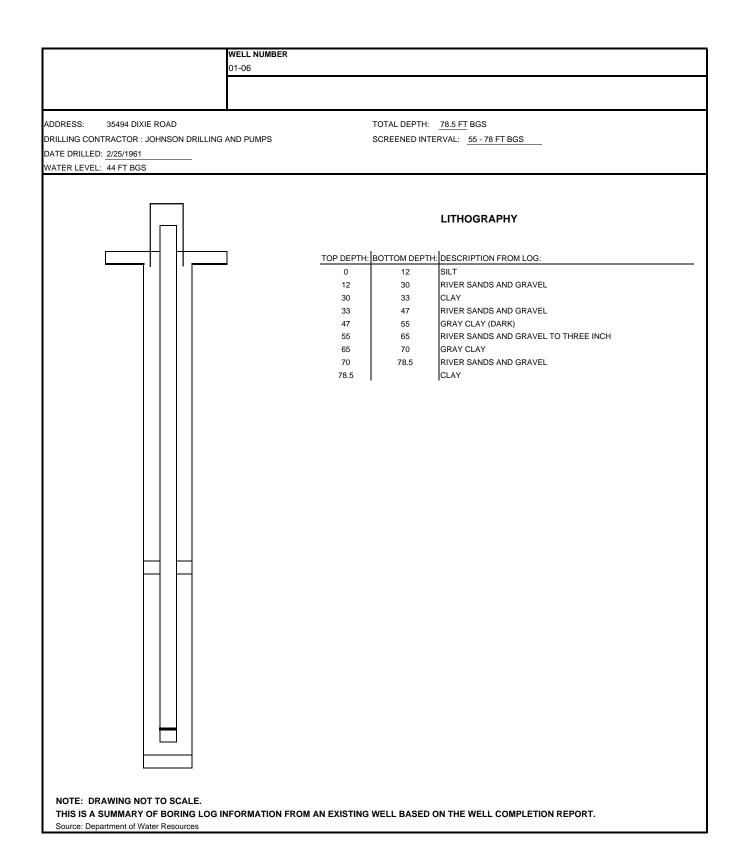
ND = Not detected at reporting limit shown

J = Concentration is estimated based on quality control and data validation cri

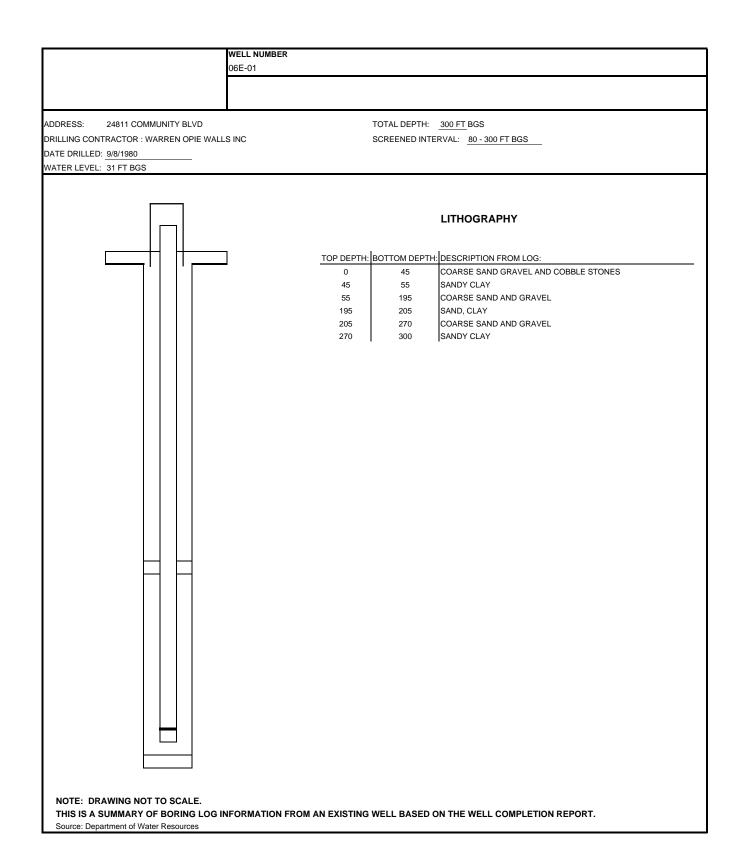
UJ = Analyte is not detected at the reporting limit shown. The reporting limit is

Quarter 1 = February 2006, Quarter 2 = April 2006, Quarter 3 = July-Septemb

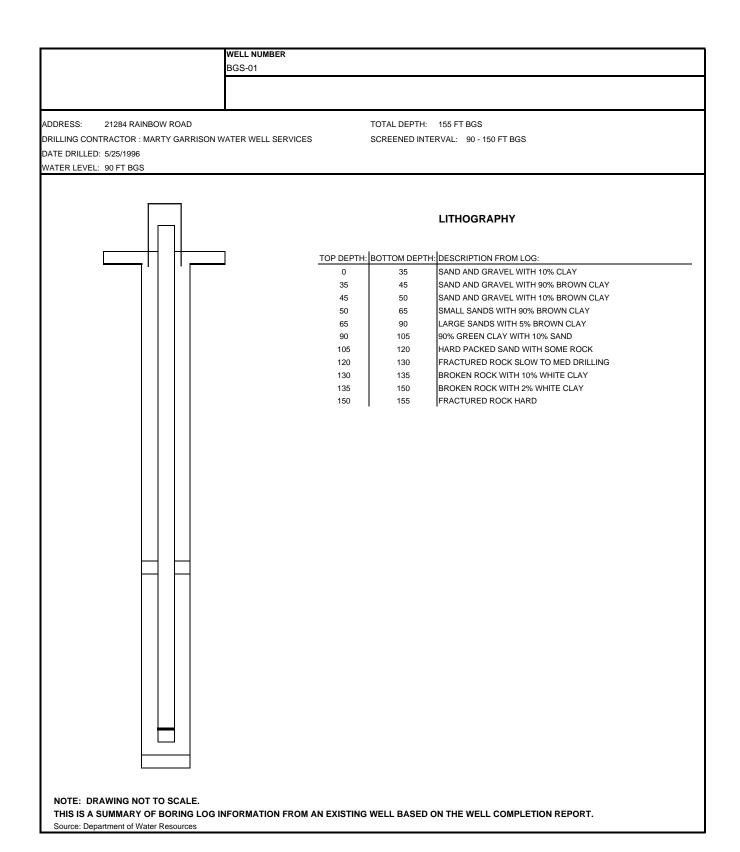




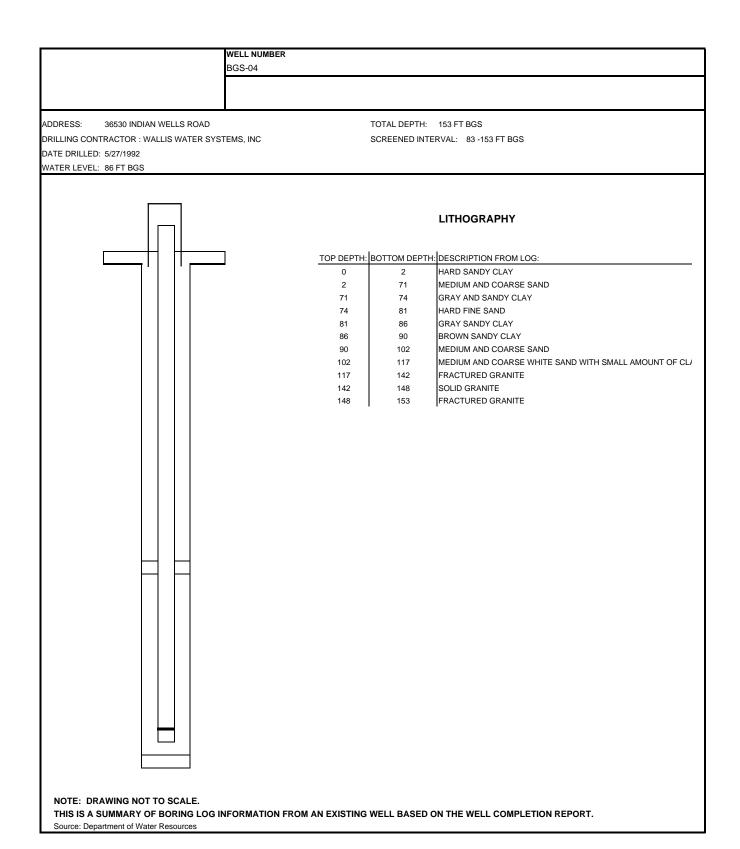
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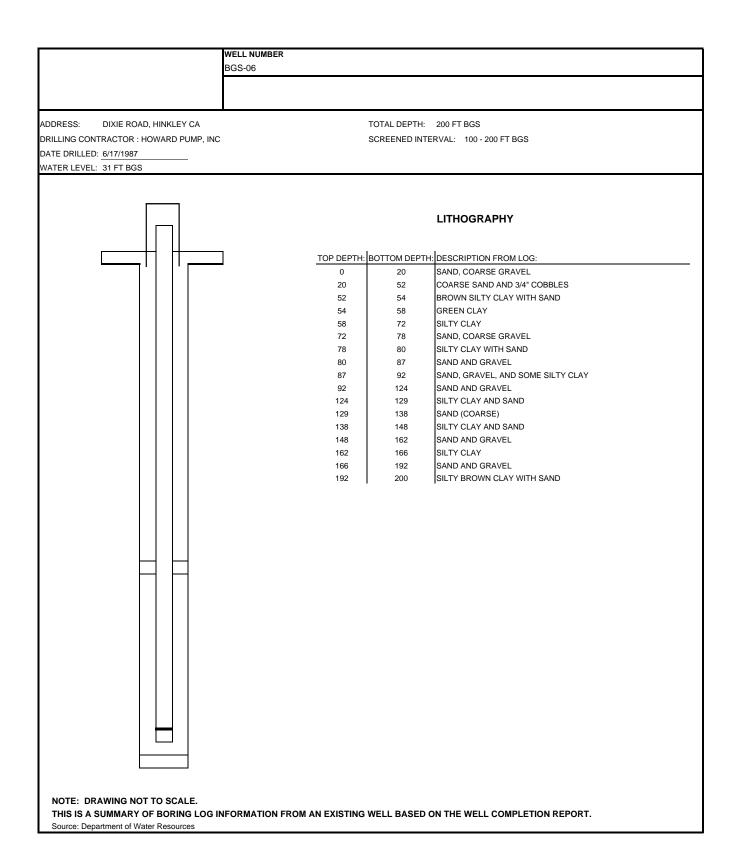
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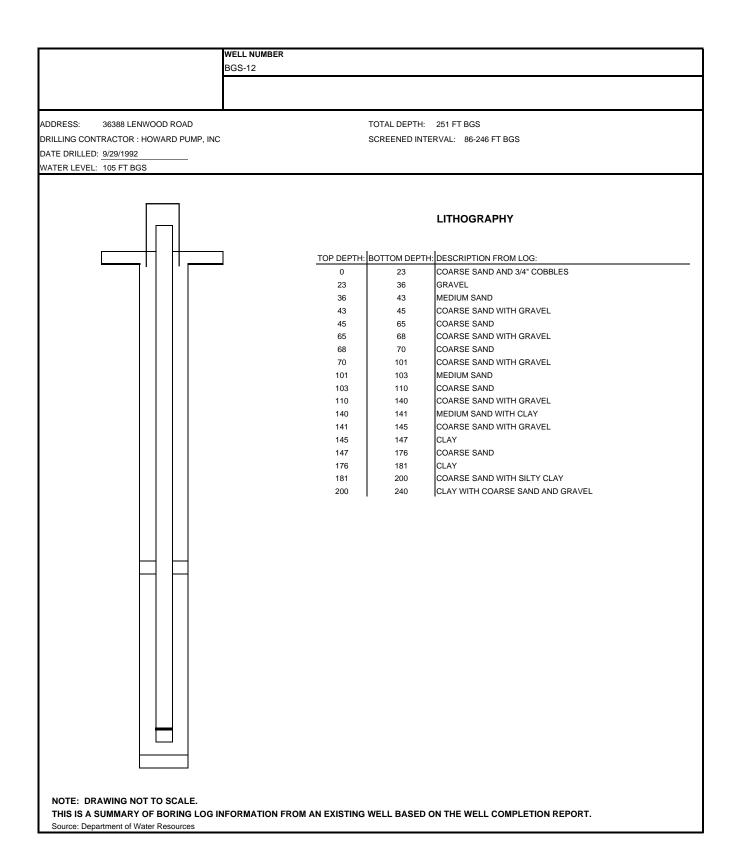
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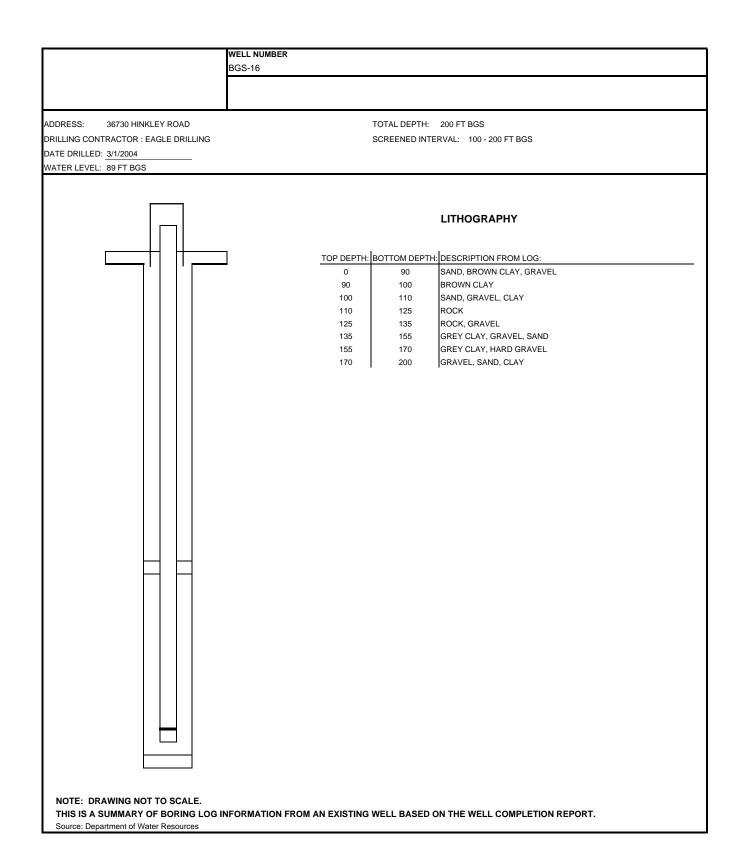
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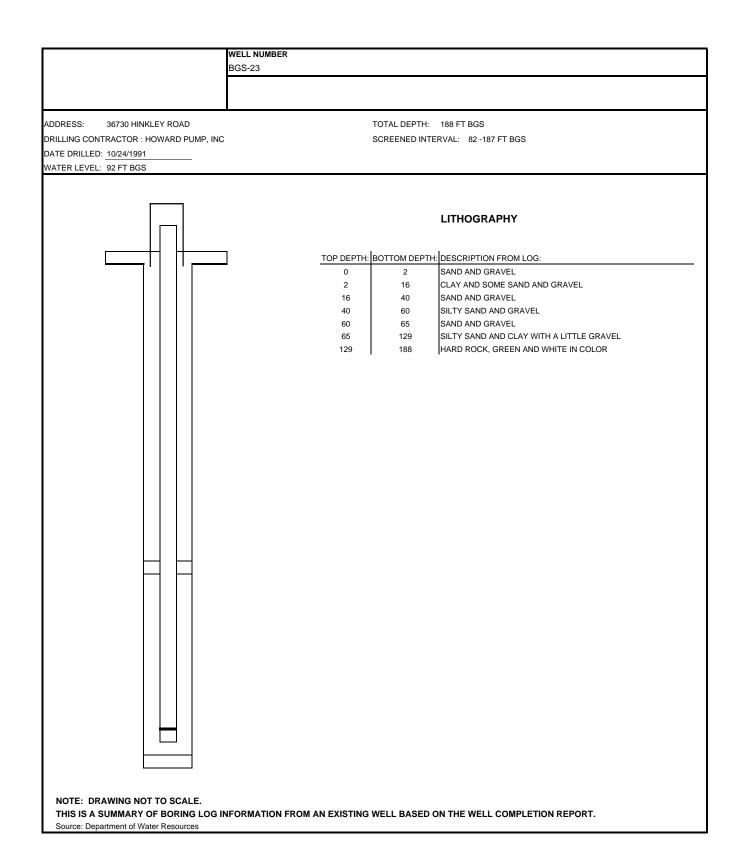
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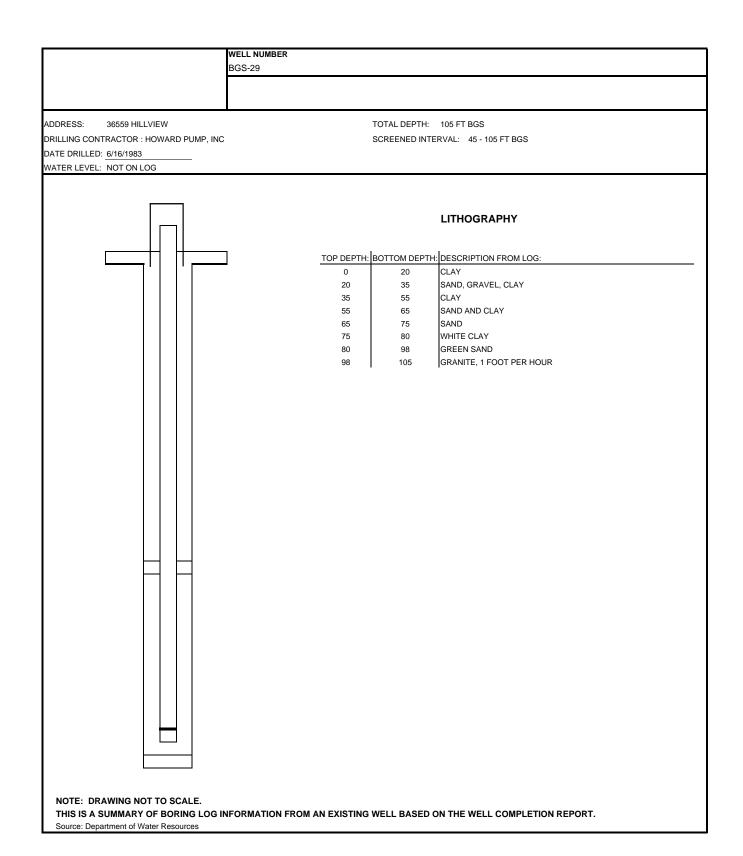
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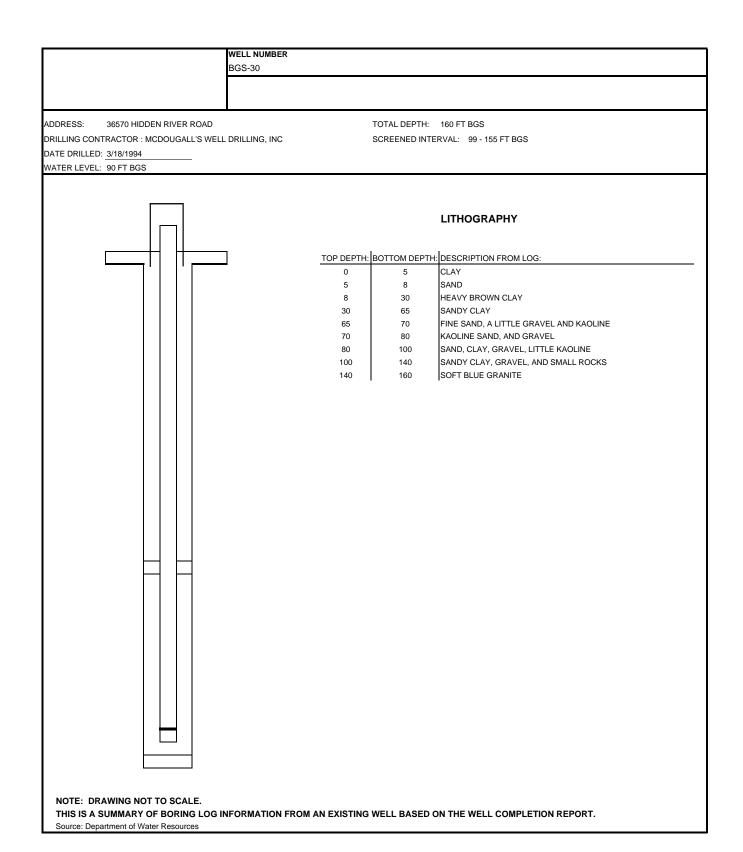
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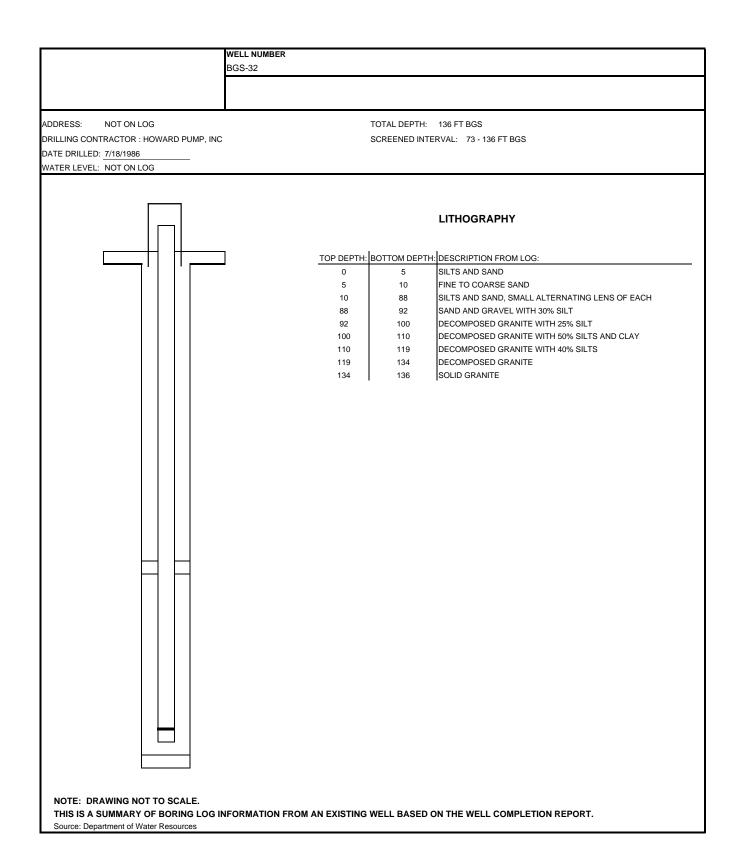
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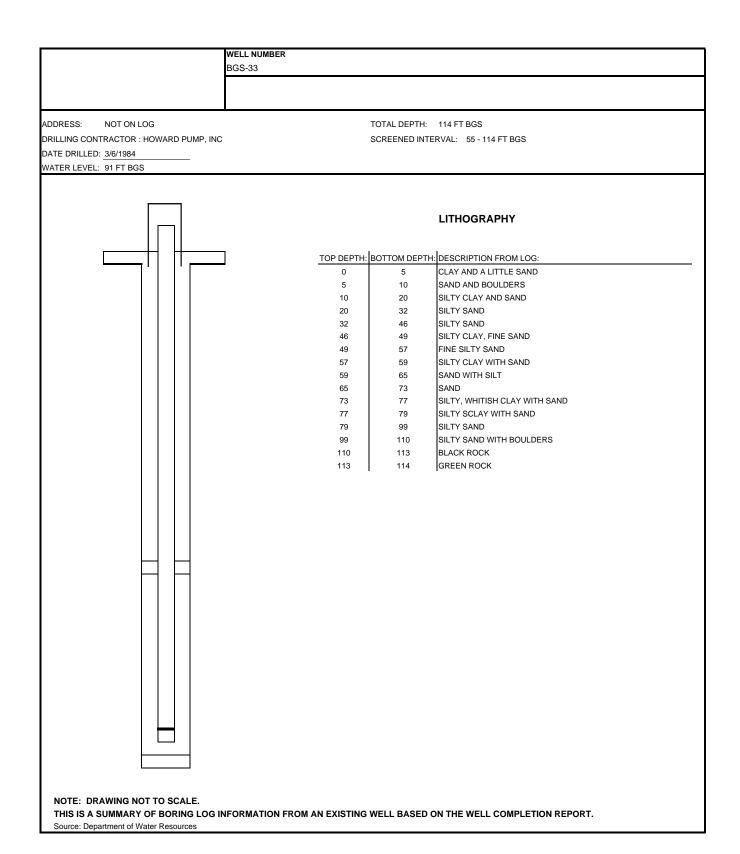
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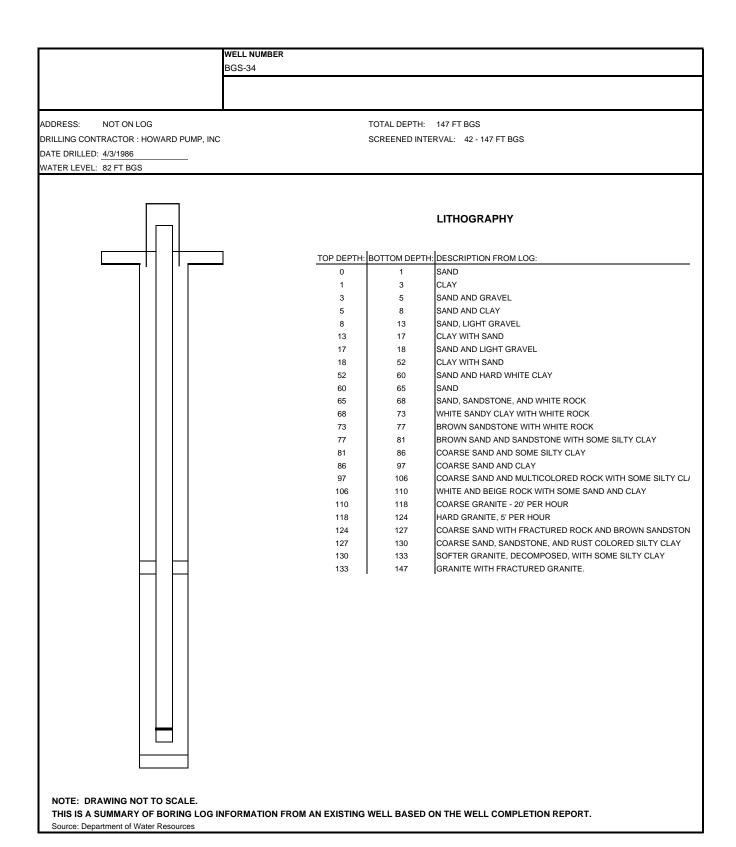
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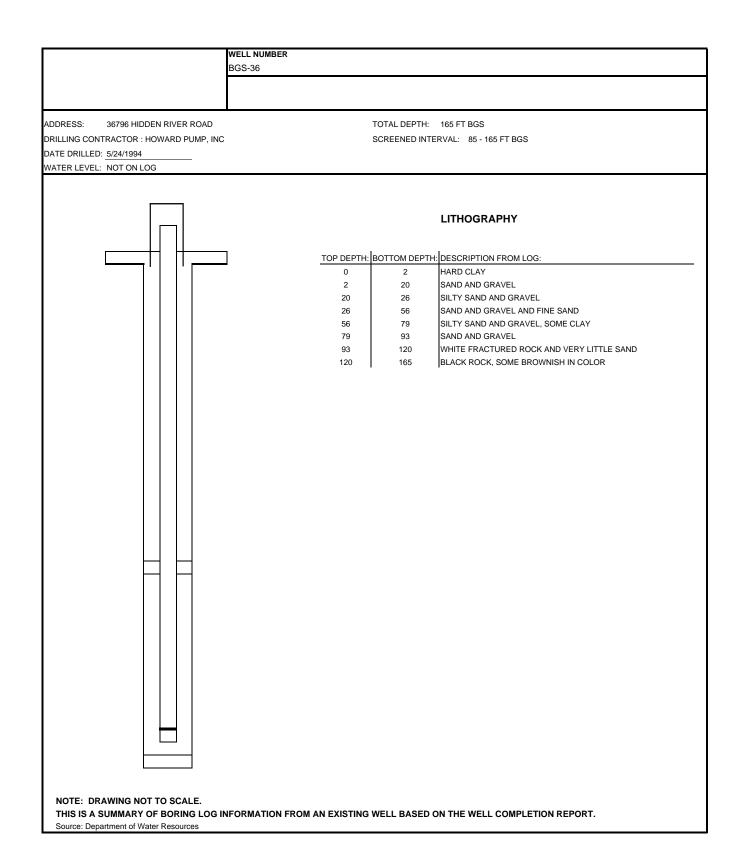
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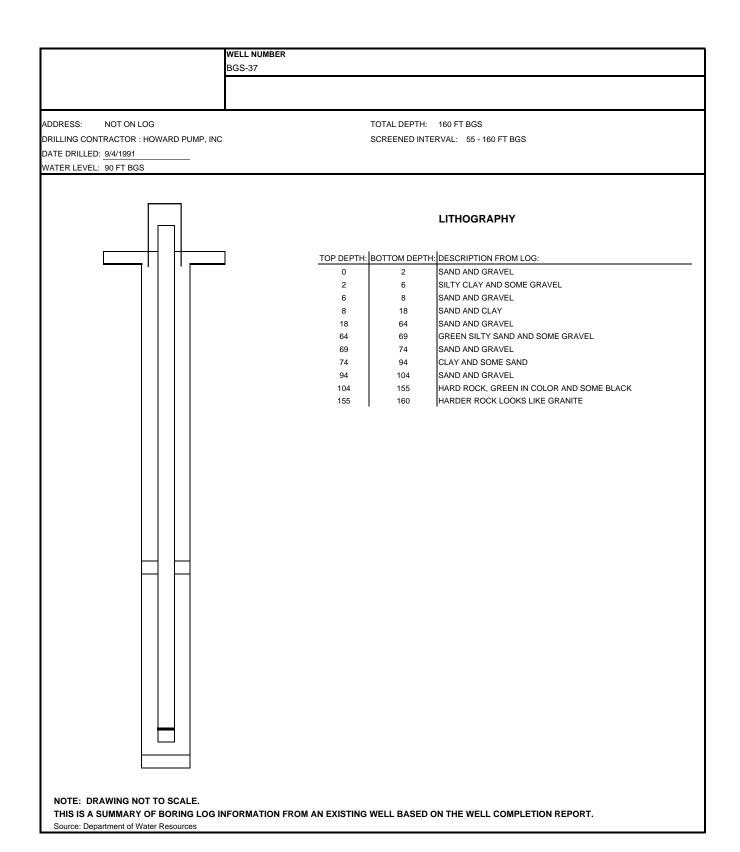
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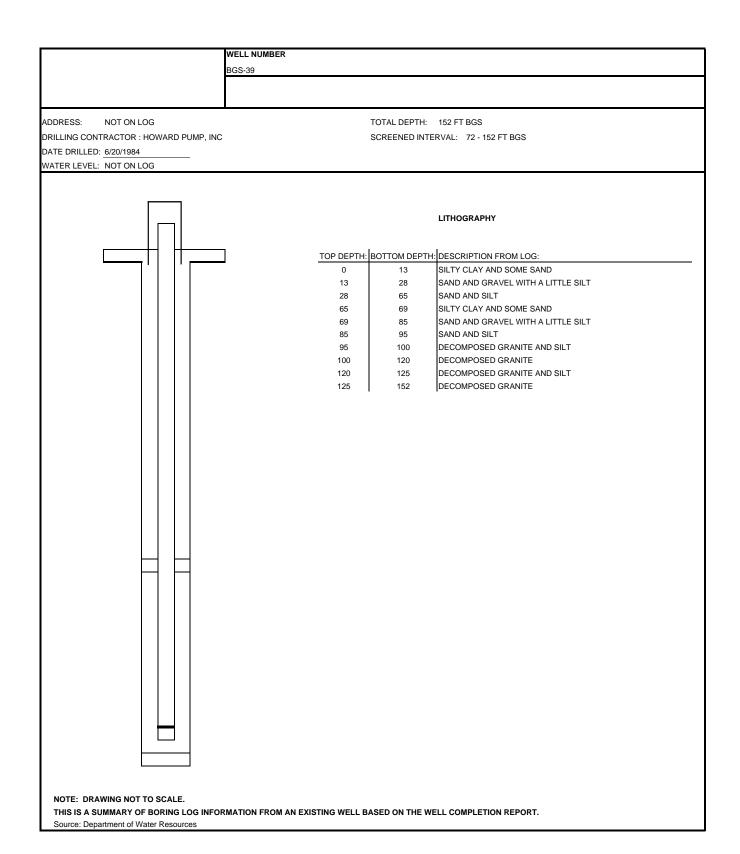
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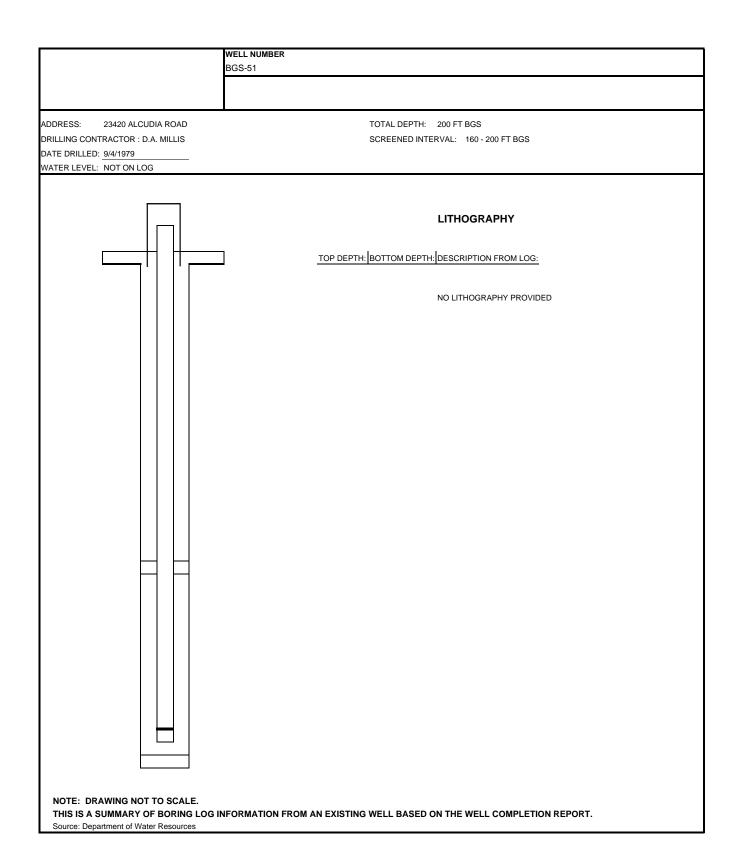
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# Statistical Analysis

# I.1 Use of Well Averages

The expansion of the background study well list after the second sampling event has the potential to introduce bias into the overall summary statistics, due to the unbalanced nature of the data set (i.e., 4 quarters of data are not available for all wells). To restrict this bias, the arithmetic average Cr(T) and Cr(VI) concentrations from each well was used (the mean of all available results from a given well, whether that be 1, 2, 3, or 4 data points). This approach prevents bias by any particular well over another, since each well is represented by one arithmetic mean result instead of by the actual number of samples taken at that well. This approach has the added benefit of dampening the effects of the most elevated values in the sample set by averaging those results with lower results from other sampling

# I.2 Summary Statistics

Summary statistics for both total and hexavalent chromium are presented in Table I-1. The statistics include:

- The number of detects, number of samples, mean, median, standard deviation, minimum detect, maximum detect, and percent detects for all well averages.
- The probabilities (p-values) from the Shapiro-Wilk test (W test) provide evidence about whether the background total and hexavalent chromium concentrations are normally or lognormally distributed. When the p-value is less than 0.05, the assumption of normality (or lognormality) may be rejected.
- The upper tolerance limit (UTL) for total and hexavalent chromium in background study samples.

The UTL values presented are the upper confidence limit (UCL) of the 95<sup>th</sup> percentile of the background population (USEPA, 2004).

## I.3 Data Set Distribution

Applying a traditional constant proxy value (e.g., ½ the method detection limit) for values that are below the laboratory reporting limit (i.e., non-detects) can decrease the probability that the background concentrations are normally or lognormally distributed. With this data set, 25 percent and 15 percent of the samples were non-detect for total and hexavalent chromium, respectively. The assumption of normality was rejected for the entire data set largely due to the repeated values of ½ the detection limit in the data set.

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TABLE I-1 Summary Statistics for Total and Hexavalent Chromium Background Study Well Averages (µg/L)

Parameter	Median	Mean <sup>1</sup>	Standard Deviation <sup>1</sup>	Number of Detects	Number of Samples	Percent Detects	Normality p-value Using 1/2 DL for NDs	Lognor- mality p-value Using 1/2 DL for NDs	Normality p-value Considering Detects Only	Lognormality p-value Considering Detects Only	Min. Detect	Max. Detect	Normal 95/95 UTL <sup>2</sup>
Chromium	1.69	1.52	0.824	36	48	75	0.001	<0.0005	0.400	0.007	0.683	2.8	3.23
Hexavalent chromium	1.45	1.19	0.915	41	48	85	0.004	<0.0005	0.121	<0.0005	0.181	2.57	3.09

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<sup>&</sup>lt;sup>1</sup> The mean and standard deviation were calculated using a maximum likelihood method.
<sup>2</sup> The Normal UTL is the recommended background threshold values as discussed in the text.

One alternative to testing the normality of the full data set (including proxy values for the non-detects) is an ad hoc normality test of the detected values only (USEPA, 2006). As shown in Table I-1, when the Shapiro-Wilk normality test was applied only to the detect values of the data set, the p-values were both higher than 0.05 (0.40 for total chromium and 0.12 for hexavalent chromium). This suggests that the parent populations for both data sets are normally distributed. This can be visualized in the probability plots (Figures 5-4 and 5-5 in the main body of the report) where the detected values on these plots form a relatively straight line between the measured concentrations and the normal quantiles, which would indicate a relatively normal population.

The similarity of the sample data to a normal distribution (as supported by the probability plots and normality testing of detected concentrations) led to the assumption that the true background dataset is normally distributed for both total and hexavalent chromium.

## I.4 UTL Calculation

A maximum likelihood estimate (MLE) provides the most likely estimate of the true parameter (e.g. the mean) of a population from which sample data are available. Given that, the MLE of the true mean of a normally distributed population is simply the mean calculated from the sample data, although it is not typically referred to as an MLE.

With different forms of data, the MLE of a parameter can involve more complex approaches. For instance, the MLE of a population mean when the sample data includes non-detects can be calculated in other ways than simply averaging the detected values and proxies for the non-detects (typically ½ the detection limit).

One such MLE approach mentioned in USEPA guidance involves Cohen's method (USEPA, 1992). This approach depends on an assumption of normality and uses the detected concentrations along with the number of detects and non-detects to provide an estimate of the mean (without actually assigning proxy values for the non-detects). Cohen's method can provide an MLE estimate for both the mean and standard deviation from sample data including non-detects. It is typically applied by adjusting the mean and standard deviation of the detected results via values provided in look-up tables.

Recently, USEPA has recommended an alternative method (over Cohen's) of obtaining the appropriate adjustments for non-detects be applied by using the Newton-Raphson method (USEPA, 2006). Again, this method does not apply proxy values for non-detects. This method was used in calculating the MLE estimates of the mean and standard deviation for total and hexavalent chromium for the Hinkley Groundwater Background Study. These mean and standard deviation values were then used in the equation for calculating normal 95th percent UTLs for Cr(T) and Cr(VI) using the following equation:

$$UTL = \overline{x} + (K \times s) \tag{1}$$

Where

*x* is the sample mean.K is the tolerance factor.s is the sample standard deviation.

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The 95th percent UTLs calculated in this study are 3.09  $\mu g/L$  for hexavalent chromium and 3.23  $\mu g/L$  for total chromium (Table 6-1).