Anvil Range Mine – 2004 Groundwater Sampling Field Summary Report

prepared for:
Deloitte and Touche

prepared by:
Gartner Lee Limited

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1 Deloitte and Touche (electronic)
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March 31, 2005

Valerie Chort
Deloitte and Touche Inc.
Via email: *vchort@deloitte.ca*

privileged and confidential
draft for discussion

Dear Ms. Chort:

Re: 40-692 – Anvil Range Mine, Rose Creek Tailings Facility, 2004 Groundwater Field Summary–Draft Report

We are pleased to present you with a copy of our draft report. Please review at your earliest convenience and contact me to discuss your comments and revisions. Data from the recent 2004 sampling related to the leakage assessment of certain wells at the site have not been included in this report as they are currently under review. These data could be included at your request once they have been fully reviewed by the project group.

Please do not hesitate to contact me at ext. 24 should you have any questions. We thank you for the opportunity to work on this project and look forward to the upcoming 2005 season.

Yours very truly,
GARTNER LEE LIMITED

(via e-mail)

Martin Guilbeault, M.Sc., P.Eng
Hydrogeologist
MG:mg

March 31, 2005

Valerie Chort
Deloitte and Touche Inc.
Via email: *vchort@deloitte.ca*

privileged and confidential
draft for discussion

Dear Ms. Chort:

Re: 40-692 – Issuance of Draft Reports

A DRAFT is a rough copy of a report. The intent in issuing it is to allow other knowledgeable people associated with the project an opportunity to review the style and content prior to final issuance.

Since the FINAL report may differ from the draft, we think it only prudent to collect all of the DRAFT reports prior to issuance of the FINAL report.

We would appreciate it if you would see that all copies of the DRAFT are returned to us and then we will issue our FINAL report.

We thank you in advance for your cooperation.

Yours very truly,
GARTNER LEE LIMITED

E. Grant Anderson, P.Eng.
President

EGA:mm
Attach.

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Executive Summary

The Rose Creek Tailings Facility of the Anvil Range Mine contains approximately 54 million tonnes of acid generating tailings that overly a natural aquifer comprised primarily of glaciofluvial sands and gravels. Tailings were deposited into the facility from 1969 to 1992 in three impoundment areas, which contain both unsaturated and saturated tailings.

The network of groundwater quality monitoring wells in place dates back to 1981 and has been expanded on several occasions, including during the 2001 and 2003 hydrogeological investigations carried out by the Interim Receiver.

Groundwater monitoring at the site has occurred since 1981, with routine, bi-annual data collection since 1996. Extensive geochemical testing of the tailings for acid rock drainage assessments was carried out in 1988, 2001 and 2003. A physical hydrogeological analyses model was developed in 2001, and contaminant transport has been assessed by Environment Canada and others. It has been established that the tailings represent a substantial environmental risk and that leaching of metals into the native aquifer beneath the tailings is ongoing.

In 2003, a hydrogeological investigation consisting of sonic coring and multi-level bundle well installation was completed to obtain detailed stratigraphic information, collect additional samples of tailings and native soils for physical and geochemcial testing and to provide additional groundwater quality monitoring in the tailings and aquifer. In 2004 routine groundwater sampling of the expanded well network was conducted to identify temporal trends and spatial distribution of contaminants in the groundwater at the site.

In 2004, a separate study examining the integrity of certain monitoring wells at the site was also undertaken. This study is on-going and data are currently under review and are not included in this report. A total of three projects related to groundwater monitoring of the Rose Creek Tailings Impoundment were completed by Gartner Lee:

1. Routine Bi-Annual Groundwater Sampling
2. Adaptive Management Plan (AMP) Sampling
3. Leakage Assessment of the P01 Series Wells (on-going)

The following report summarizes the groundwater monitoring field activities associated with the routine sampling and additional sampling performed as part of the adaptive management plan.

1. Introduction

The Anvil Range mine, located in the central Yukon approximately 200 km NNE of the City of Whitehorse, was an open pit lead and zinc mine that produced lead and zinc mineral concentrates. Mining and milling activities were suspended in January 1998 and the owner, Anvil Range Mining Corporation, entered into receivership in April 1998.

Mill tailings were deposited into the Rose Creek Tailings Facility from mine start up in 1969 to 1992 when tailings deposition into the mined-out Faro main pit began. The Rose Creek Tailings Facility includes three tailings impoundments as illustrated in Figure 1 and described as follows:

1. The Original Impoundment contains tailings that were deposited between 1969 and 1975;
2. Tailings were deposited in the Second Impoundment from 1975 until 1982 and for approximately 5 months in 1986. Mine production was suspended from 1982 to 1986 and, therefore, no tailings were deposited; and
3. The Intermediate Impoundment contains tailings that were deposited between 1986 and 1992. From 1992 until mine closure in 1998, tailings were deposited under water in the mined-out Faro Pit and not in the surface impoundments.

In total, the surface impoundments hold an estimated 54.4 million tonnes of tailings. Based on field observations, the tailings are at least 25 m thick and overlie native soils comprised largely of sand and gravel of glacial outwash origin with some glaciolacustrine sediments. Cores collected in 2003 show that native soils may extend to more than 195 ft below the tailings surface (i.e. bedrock depth). A basal silt till unit overlies bedrock beneath the sand and gravel. (GLL, 2003)

The primary concern regarding the chemical stability of the tailings solids is that progressive oxidation and flushing of contaminants from the tailings into the native soils may progress to the level where the downgradient environment including Rose Creek will be impacted.

In 2001, a comprehensive hydrogeological and geochemical investigation of the Rose Creek Tailings facility was conducted for the purpose of updating the characterization of the hydrogeological system and geochemical state of the tailings (GLL, 2002). As part of this investigation, twenty-two groundwater monitoring wells were installed at eleven locations in and downstream of the tailings impoundments. In 2003, a follow up drilling and coring investigation was undertaken using sonic drilling technology to obtain detailed stratigraphic information from ground surface down to bedrock. As part of this program, 76 additional groundwater sampling points were installed at nine locations within and downgradient of

the tailings impoundments. The locations of all monitoring wells at the site are shown on Figure 1, Figure 2, Figure 3 and Figure 4.

In 2004, conventional wells and multilevel wells were sampled during two field visits: one from June 7 to 11 and the other from September 21 to September 30. Wells X24 and X25 and P03-04, P03-08, and P03-09 also included in the spring and fall sampling, have been targeted for additional sampling as part of an Adaptive Management Plan (AMP). These wells were sampled four times in 2004: June, August, September and November. The summer trip took place from August 3 – 4 and the winter trip took place on November 17 and 18. Data from the AMP sampling are presented in this report. A summary of field activities and sampled wells is included in Table 1. Well construction details are available in Table 2.

Findings in 2003 by GLL and Environment Canada suggested that data from some of the P01 series wells, may not be representative of in-situ conditions within the formation at the well screens. As a result, all P01 series wells were sampled as part of a more detailed study. The assessment included additional samples collected at the P01 wells over the spring, summer, and fall of 2004. Due to the goal of the study, sampling was done using different sampling methods and procedures and therefore results need special interpretation. The results of the leakage assessment are presented in the draft report 2004 Leakage Assessment of P01 Series Wells, prepared by Gartner Lee Ltd. for Deloitte & Touche. The results from the leakage assessment are currently under review and are presented under separate cover. All of the available groundwater quality data are maintained in an electronic database.

This report is a factual report which provides a summary of the data collected in 2004. It is not intended to be a comprehensive review of data and site conditions but a brief summary of 2004 field activities and data. These data continue to undergo QA/QC review and some data are the subject of other studies. In addition, some wells are the subject of discussion regarding possible decommissioning in 2005.

2. Quality Assurance and Quality Control

2.1 General QA/QC Measures

The following quality assurance and quality control (QA/QC) procedures were incorporated into the 2004 sampling events:

1. Wells were purged to remove standing water from the well prior to sampling and to ensure sampling of fresh formation water. This consisted of either pumping the well dry or removing approximately three well volumes (including sand-pack) from conventional wells and at least one well volume from small diameter multi-level bundle wells. In most cases, field parameters were monitored as the well was purged. A comparison of samples collected from multi-level wells (either by Env. Canada or GLL) after one to three well volumes revealed that one well volume was sufficient purge volume for the multi-levels. Consequently, field sampling time could be significantly reduced.
2. To reduce the risk of cross contamination, samples were collected in order of least potentially contaminated to most potentially contaminated, as practical. In areas of nested monitors, deeper monitors screened in the aquifer were purged and sampled prior to monitors in tailings.
3. Samples collected for dissolved metals analyses were filtered and preserved in the field, usually within one minute of sampling. New, sterile disposable 0.45-micron filters were used for each sample immediately after collection to reduce the potential for change in metal concentrations in the sample between the time of sample collection and analysis.
4. Field measurements of pH, conductivity and temperature were recorded. The pH and conductivity probes were calibrated daily. Calibration was verified periodically in the field.
5. Extreme caution was exercised when handling sampling equipment and working at sites with exposed tailings at surface to help prevent possible contamination from tailings during sample collection and handling.
6. Internal laboratory QA/QC procedures were also maintained by ALS Laboratories (as reported in the laboratory reports provided in Appendices. These include the use of laboratory blank samples, matrix spike samples and laboratory surrogate standard samples.
7. A series of equipment blanks were collected. These samples were collected by first cleaning and decontaminating tubing used for sampling using a distilled water rinse. A sample of clean distilled water was then collected through tubing and/or sampling equipment and sent for analysis.
8. A series of field duplicates and replicates were collected. Replicates were collected by using the same sampling procedures in addition to clean and new sampling equipment such as filters and bottles. Duplicates are collected to verify laboratory repeatability by splitting a sample in the field by simultaneously filling two sample bottles and using the same filtering equipment for both samples.

9. Following sample collection, all samples were kept cool in a cooler with ice packs and transported by courier to the laboratory within the allotted transport periods. ALS Environmental of Vancouver, BC (ALS), a member of the Canadian Association for Environmental Analytical Laboratories (CAEAL), conducted all water analyses.

2.2 Equipment Blanks, Replicates and Duplicates

A series of field replicates were collected to assess field variability. Duplicates were collected to examine laboratory repeatability and equipment blanks were collected to examine biases introduced by sampling equipment or procedures.

All equipment blanks collected during 2004 field work showed values below detection limit for all parameters.

During the June (Spring) 2004 groundwater sampling event, 123 samples including 11 replicate samples (12%) were collected from 110 monitors. The entire sample set, in this case, included samples from the Rose Creek Tailings Facility, including the multilevel wells installed in 2003 and all conventional wells in the Rose Creek Tailings, and groundwater monitoring wells across the remainder of the property.

During the fall 2004 groundwater sampling event, 120 monitors were sampled and 8 replicate samples were collected, which represented approximately 8% of the sample set. The sample set during the fall 2004 sampling event included all conventional wells constructed prior to 2001 and the multilevel wells constructed in 2003. As outlined previously, the P01 series wells, constructed in 2001, are not included in this sample set.

2.3 Relative Percent Differences on Replicates

To assess analytical variability, a set of laboratory replicates was used to calculate the relative percent difference (RPD) on a laboratory replicate. RPD is defined as the following:

$$\%RPD = \frac{2(X_1 - X_2)}{(X_1 + X_2)} * 100$$

Where: X_1 = The concentration of the first sample;
X_2 = The concentration of the second sample (i.e., the replicates).

The Relative Percent Difference ("RPD") is the difference between the sample result and replicate result, divided by the average of the sample result and replicate result. This number is then multiplied by 100 (to make the number a percentage) and the outcome is the RPD. The RPD is not useful where one or both of the results being compared are less than the practical quantitation limit (PQL). The PQL is 5 times the Method Detection Limit (MDL). An RPD of <50% can be used as a benchmark whereby an RPD of greater than 50% warrants further comment or consideration.

Laboratory variability was also calculated in lab duplicates and found to have RPD values of less than 5% (calculated only for parameters that had concentrations greater than two times the method detection limit).

Of the nineteen QA/QC samples only three reported a parameter with RPD results greater than 50%: However, in all cases the concentrations under consideration were less than the PQL, therefore no further investigation is considered warranted at this time.

2.4 Purge Volumes for Multi-level Wells

Approximately one well volume was purged from the multi-level sampling points prior to sample collection. Environment Canada collected samples from many of the same locations and within a few days of GLL by purging more than one well volume and up to three well volumes and found that results did not differ significantly. Another important consideration is that the inner sampling tube often extends deep to above or within the well screen further promoting sampling of fresh formation water. Monitoring of field parameters over time while sampling showed that parameters quickly stabilized suggesting fresh formation water. This suggests that purging one well volume with sampling tubing as deep as possible within the well provides fresh groundwater when sampling the multi-level points. As a result, the sampling process was optimized and sampling time was significantly reduced.

3. 2004 Water Levels

The 2004 water levels measured during routine sampling as wells as during other sampling events are presented in Table 3 and Table 4.

4. 2004 Groundwater Quality

Analytical results, including all general field parameters for 2004 groundwater sampling are presented in Table 5. The 2001 wells were also sampled during this field event and the results are presented in the Leakage Assessment report prepared by Gartner Lee Ltd. for Deloitte and Touche. Environment Canada also conducted a project involving monitoring of a conservative bromide tracer at location P01-09. As part of this study, EC collected samples from surrounding multi-level wells throughout 2004. These data are not included in this report. Any samples collected by GLL from wells other than P01 wells as part of the tracer study are presented in this report. Interpretation and review of data is on-going and presented in other reports.

5. Field Logistics and Sampling Issues

The following provides a summary of major observations and/or issues identified during sampling.

5.1 Original Tailings Impoundment

The wells located in the original tailings impoundment are P01-08, P01-10 and P03-07. As shown in Table 1, the P01-08 monitors (A, B, C) were not sampled in 2004. An ice lens was encountered in 2001 during installation of well P01-08C. Conditions in 2005 were as follows:

- **P01-08A** had sampling tubing stuck or frozen and could not be sampled.
- **P01-08B** is deformed near surface and not accessible with probes and samplers
- **P01-08C** was frozen
- **Well P01-10 B and C** were sampled by GLL for D&T as part of a separate study involving P01 Series Wells. The data collected at this site is under review and therefore not included in Table 5 or discussed in this review.
- **P03-07:** The multi-level bundle installed at location P03-07 was possibly affected by smearing of bentonite along some of the well screens during installation. Furthermore, permafrost was encountered within the tailings during installation and points 5, 6 and 7 are suspected to be frozen. This well was not sampled during the Fall 2004 sampling round.

5.2 Second Impoundment Southeast Corner

The wells located in the second impoundment in the southeast corner are located in an area of elevated contaminant concentrations which was first detected in a now inoperable 1988 well. Multi-level wells P03-01, P03-02 and P03-03 are situated up-gradient, cross-gradient and down-gradient respectively from the wells at P01-09. Location P01-09 is now the subject of mitigation measures related to monitoring well integrity. Consequently, preliminary review of data from P03-03 suggests that some of the sampling points may be impacted by tailings porewater having entered the aquifer up-gradient at P01-09 (to be confirmed by other supporting data). These data are currently under review as part of a separate study. Wells P03-01, P03-02 and P03-03 were sampled in June and September of 2004. However some of the points screened in the tailings recharged too slowly to be sampled efficiently. The P01 wells in the Second Impoundment Southeast Corner are. Data from wells P01-09 A/B/C/D are compromised and therefore not included in Table 5.

P01-09B: well was rehabilitated in May to remove a bulge in the top metre of casing. The top metre of casing was replaced and cut as the same elevation as the old casing

P01-09D: sampling tubing stuck down the well a few metres below ground surface was removed.

5.3 Second Impoundment – Northern Section

The monitoring wells in the northern section of the Second Impoundment are multi-levels P03-04 (on the secondary dam), P03-05, P03-06 (down-gradient of the original impoundment) and conventional wells P01-07 A/B/C/D/E. (P01 series well data are currently under review and not included in this report).

- **P03-06-07:** dry in June and September
- **P03-06-06:** dry in June and September
- **P03-04-09:** dry in June and August

5.4 Intermediate Impoundment

The monitoring wells in the Intermediate Impoundment are P01-05 A/B, P01-06, X21 A/B/C and multi-level well P03-08. Data from P01 series wells under review and not included in this report.

- **X21C:** According to notes from field staff, the foot valve in the sampling tube and a section of approximately 2.5m within the sampling tube was filled with dark grey tailings. This well is screened within the aquifer and should not contain tailings. This issue should be confirmed and examined in more detail during the 2005 season.

5.5 Toe of Intermediate Dam

- The monitoring wells at the toe of the Intermediate Dam (up-gradient of the Cross-Valley Pond) are X24 A/B/C/D, X25 A/B, P01-03 and P01-04. P01 series wells were sampled once during 2004 for a separate study and data are not included in this report.

- **X24 B:** well was blocked or frozen at 3.75m in June
- **X24 B:** well could not be sampled due to slow recharge and insufficient volume in September and November

5.6 Down Gradient of the Cross Valley Dam

The following wells are located downgradient of the Cross-Valley dam (down-gradient of the entire tailings impoundment). P01-02A/B, P03-09, P01-11, X17A/B, X18 A/B, P01-01 A/B, X16 A/B. P01 series wells were sampled as part of a separate study. The following issues were encountered:

- **P01-01A**: top of well casing and protective steel casing were destroyed by snow removal equipment in early 2004. The well casing was replaced and cut to the same elevation as the previous one, however, sampling tubing remains sandlocked in the well.
- **P01-01B**: top of well casing and protective steel casing were destroyed by snow removal equipment in early 2004. The well casing was replaced and cut to the same elevation as the previous one. The well is now operational.
- **P01-02A**: well is damaged (casing is possibly bulged) and was not sampled in 2004
- **P01-02B**: well is artesian and was frozen in June

5.7 Faro Rock Dump Area

The wells located at the base of the Faro Rock Dumps (Figure 2) are P96-8A/B, P96-7, S1 A/B, S2 A/B, S3, P96-6, BH1, BH2, BH4, BH12 A/B, BH13 A/B and BH14 A/B. Several new wells were installed by SRK in 2004 to supplement the monitoring network associated with the Faro Rock Dump area. These include SRK04-2 A/B, SRK 04-3 and SRK 04-4. These wells were installed as part of a study involving the preliminary design of waste rock dump seepage collection systems.

A summary of field logistics and issues is presented below:

- **BH1** was frozen in June and dry in September.
- **BH4** was frozen in June
- **BH13B** was dry in June.
- **BH13A** was blocked at 1.9m in September.
- **BH12B** clogging of sampling tubing due to sand in well in September
- **SRK04-2B**: well was dry in September
- **SRK04-2A**: well not functional, issues associated with installation are discussed in a separate report by SRK.
- **SRK04-04**: well was used as a pumping well for testing activities completed by SRK and was sampled by GLL in September

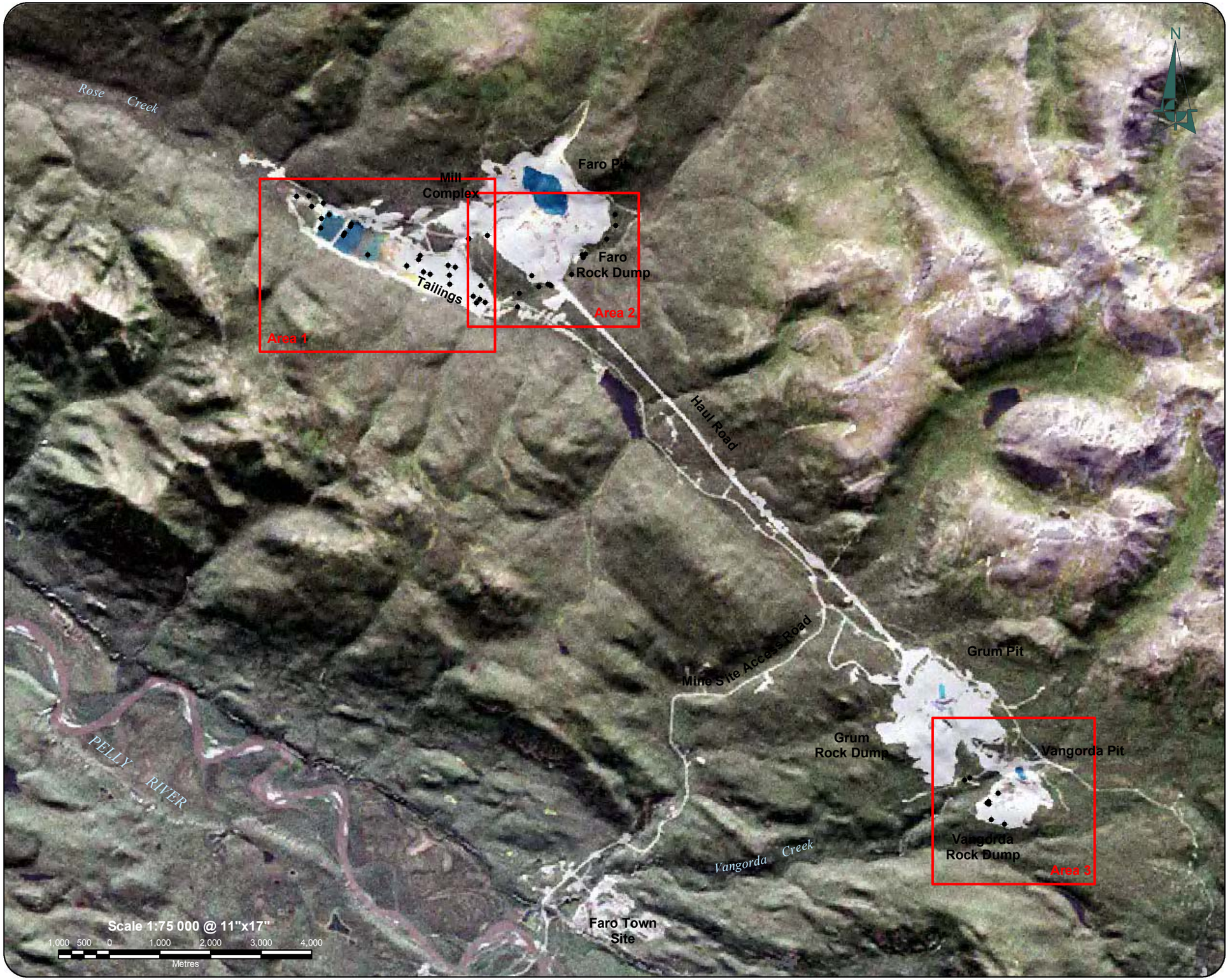
5.8 Vangorda Rock Dump Area

The wells located near the Vangorda Rock Dump (Figure 4) are V37, V36, P01-51, P01-52 A/B, V35, and V34. These were all sampled twice (June and September) during 2004.

6. Closure

Data presented in this report are the subject of on-going review and quality assurance. The report is meant to provide a summary of 2004 field activities associated with the routine groundwater sampling at the Faro Mine. Groundwater data collected as part of other studies at the site may not be presented here and may be presented under separate cover.

Figures



Legend

- Monitoring Well

DATA SOURCES AND DISCLAIMERS:

Basemap: Orthoshop, Calgary, AB, November 2003. Prepared for SRK Consulting. Based on August 2003 aerial photography .

Shaded relief colour orthorectified image at 15m resolution compiled by Yukon Territorial Government, Dept. of Infrastructure, Yukon Geomatics, from Landsat 7 image 59-16, bands 3, 2, & 1.

Projection: UTM Zone 8 NAD27
Created By: AS
Reviewed By: MG
Date Issued: March 2005
Project Number: 40692
File Name: Faro_groundwater_sampling_plan_figure_1.mxd
Revision: 0

Deloitte & Touche Inc.
2004 Groundwater Sampling

Faro Mine Site
Faro, Yukon

Gartner Lee

Figure No.
1

Legend

- Conventional Monitoring Well
- Multilevel Well
- Index Contours (5m)
- Intermediate Contours (1m)

DATA SOURCES AND DISCLAIMERS:

Basemap: Orthoshop, Calgary, AB, November 2003. Prepared for SRK Consulting. Based on August 2003 aerial photography .

Projection: UTM Zone 8 NAD27	
Created By: AS	
Reviewed By: MG	
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File Name: Faro_groundwater_sampling_plan_figure_2.mxd	
Revision: 0	

Deloitte & Touche Inc.
2004 Groundwater Sampling

Area 1 - Down Valley and Tailings Impoundment Area
Faro, Yukon

Gartner Lee

Figure No.
2

Legend

- Monitoring Well
- Index Contours (5m)
- Intermediate Contours (1m)

DATA SOURCES AND DISCLAIMERS:

Basemap: Orthoshop, Calgary, AB, November 2003. Prepared for SRK Consulting. Based on August 2003 aerial photography .

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File Name: Faro_groundwater_sampling_plan_figure_3.mxd
Revision: 0

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2004 Groundwater Sampling

Area 2 - Faro Rock Dump Area
Faro, Yukon

Gartner Lee

Figure No.
3

Legend

- Monitoring Well
- Index Contours (5m)
- Intermediate Contours (1m)

DATA SOURCES AND DISCLAIMERS:

Basemap: Orthoshop, Calgary, AB, November 2003. Prepared for SRK Consulting. Based on August 2003 aerial photography .

Projection: UTM Zone 8 NAD27
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Revision: 0

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2004 Groundwater Sampling

Area 3 - Grum and Vangorda Area
Faro, Yukon

Gartner Lee

Figure No.
4

Tables

Table 1. Summary of 2004 Sampling Activities

Well ID	May	June	August*	September	November*
	May 8 - 12	June 7 -11	Aug 3 - 4	Sept 21-30	Nov 17 - 18
P01-01A	S	n/s	X	Tubing blocked in well	
P01-01B		X		S	
P01-02A		n/s	Tubing blocked in well		
P01-02B		n/s			
P01-03		X		S	
P01-04A		n/s		S	
P01-04B		n/s		S	
P01-05A		n/s		S	
P01-05B		S		S	
P01-06		S		S	
P01-07A		n/s		S	
P01-07B		n/s		S	
P01-07C		S		S	
P01-07D		S		S	
P01-07E		S		S	
P01-08A		Tubing stuck in well possibly frozen or broken			
P01-08B		Tubing stuck in well possibly frozen or broken			
P01-08C		Tubing stuck in well possibly frozen or broken			
P01-09A		n/s		S	
P01-09B		n/s		S	
P01-09C	S	n/s		S	
P01-09D	S	n/s		S	
P01-10A		n/s		S	
P01-10B		X		S	
P01-11		n/s		S	
P01-51		X		X	
P01-52A		X		X	
P01-52B		X		X	
X16A		X		X	
X16B		X		X	
X17A		X		X	
X17B		X		X	
X18A		X		X	
X18B		X		X	
X24A-96		X	X	X	X
X24B-96		Well blocked	X	Dry	
X24C-96		X	X	X	X
X24D-96		X	X	X	X
X25A-96		X	X	X	X
X25B-96		X	X	X	X
X21A-96				X	
X21B-96		X		X	
X21C-96		X		X	
BH1		Frozen		Dry	
BH2		X		X	
BH4		Frozen		X	
BH12A		X		X	
BH12B		X		Sand clogged tubing	
BH13A		X		Well blocked	
BH13B		Dry		X	
BH14A		X		X	

Table 1. Summary of 2004 Sampling Activities

Well ID	May	June	August*	September	November*
	May 8 - 12	June 7 -11	Aug 3 - 4	Sept 21-30	Nov 17 - 18
BH14B		X		X	
P96-6		X		X	
P96-7		X		X	
P96-8A		X		X	
P96-8B		X		X	
P96-9A		X		X	
V34		X		X	
V35		X		X	
V36		X		X	
V37		X		X	
S1A		X		X	
S1B		X		X	
S2A		X		X	
S2B		X		X	
S3		X		X	
TH86-17		X		X	
P03-01-01		X		X	
P03-01-02		X		X	
P03-01-03		X		X	
P03-01-04		X		X	
P03-01-05		X		X	
P03-01-06		X		X	
P03-01-07		X		X	
P03-01-08		Gen chem only		X	
P03-01-09		X		X	
P03-02-01		X		X	
P03-02-02		X		X	
P03-02-03		X		X	
P03-02-04		X		X	
P03-02-05		X		X	
P03-02-06		X		X	
P03-02-07		n/s		n/s	
P03-02-08		n/s		n/s	
P03-02-09		Dry		n/s	
P03-03-01		X		X	
P03-03-02		X		X	
P03-03-03		X		X	
P03-03-04		X		X	
P03-03-05		X		X	
P03-03-06		X		X	
P03-03-07		X		n/s	
P03-03-08		X		n/s	
P03-03-09		X		n/s	
P03-04-01		X	X	X	
P03-04-02		X	X	X	X
P03-04-03		X	X	X	
P03-04-04		X	X	X	X
P03-04-05		X	X	X	
P03-04-06		X	X	X	
P03-04-07		X	X	X	
P03-04-08		X	X	X	
P03-04-09		n/s	Dry	X	

Table 1. Summary of 2004 Sampling Activities

Well ID	May	June	August*	September	November*
	May 8 - 12	June 7 -11	Aug 3 - 4	Sept 21-30	Nov 17 - 18
P03-05-01		X		X	
P03-05-02		X		X	
P03-05-03		X		X	
P03-05-04		X		X	
P03-05-05		X		X	
P03-05-06		X		X	
P03-05-07		X		X	
P03-05-08		X		X	
P03-06-01		X		X	
P03-06-02		X		X	
P03-06-03		X		X	
P03-06-04		X		X	
P03-06-05		X		X	
P03-06-06		Dry		n/s	
P03-06-07		Dry		Dry	
P03-07-01		n/s		n/s	
P03-07-02		X		n/s	
P03-07-03		X		n/s	
P03-07-04		X		n/s	
P03-07-05		Well blocked		n/s	
P03-07-06		Frozen/blocked		n/s	
P03-07-07		Frozen/blocked		n/s	
P03-07-08		Frozen/blocked		n/s	
P03-08-01		X	X	X	
P03-08-02		X	X	X	
P03-08-03		X	X	X	
P03-08-04		X	Dry	X	
P03-08-05		X	X	X	
P03-08-06		X	X	X	
fv		X	X	X	
P03-08-08		X	X	X	
P03-09-01		X	X	X	
P03-09-02		X	X	X	X
P03-09-03		X	X	X	
P03-09-04		X	X	X	X
P03-09-05		X	X	X	
P03-09-06		X	X	X	X
P03-09-07		X	X	X	X
P03-09-08		Dry		X	
P03-09-09		X	X	X	X

** sampling done as part of adaptive management plan (AMP).*

X = well was sampled as part of routine sampling.

S = well was sampled as part of separate study, results not included in this report and presented under separate cover.

Table 2. Summary of Well Construction Details and Information

Well ID	Northing	Easting	Material	Stickup (m)	Ground Elevation (m asl)	Depth From Ground To Top of Screen (m)	Depth From Ground To Bottom of Screen (m)	Elevation of Top of Screen (m.a.s.l)	Elevation of Bottom of Screen (m.a.s.l)	Formation	Location
P01-01A	6914675.00	579819.30	2" PVC	0.48	1015.38	19.8	21.36	995.576	994.016	A	DVTI
P01-01B	6914675.00	579819.30	2" PVC	0.48	1015.38	33.78	35.3	981.596	980.076	A	DVTI
P01-02A	6914044.00	580050.70	2" PVC	0.70	1019.03	12.54	14.06	1006.487	1004.967	A	DVTI
P01-02B	6914044.00	580050.70	2" PVC	0.68	1019.03	26.88	28.4	992.147	990.627	A	DVTI
P01-03	6914071.00	580638.70	2" PVC	0.56	1031.65	7.78	9.3	1023.872	1022.352	A	DVTI
P01-04A	6913893.00	580495.80	2" PVC	0.51	1031.39	32.53	34.05	998.86	997.34	A	DVTI
P01-04B	6913893.00	580495.80	2" PVC	0.50	1031.39	51.89	53.41	979.5	977.98	T	DVTI
P01-05A	6913299.00	581752.80	2" PVC	0.45	1050.17	9.02	10.54	1041.146	1039.626	T	DVTI
P01-05B	6913299.00	581752.80	2" PVC	0.52	1050.09	14.86	16.38	1035.228	1033.708	A	DVTI
P01-06	6913504.00	582020.00	2" PVC	0.49	1052.13	9.15	10.67	1042.981	1041.461	A	DVTI
P01-07A	6913139.00	582217.00	2" PVC	0.49	1060.27	16.46	17.98	1043.807	1042.287	T	DVTI
P01-07B	6913139.00	582217.00	2" PVC	0.44	1060.22	21.96	23.48	1038.262	1036.742	T	DVTI
P01-07C	6913139.00	582217.00	2" PVC	0.44	1060.28	26.24	27.76	1034.039	1032.519	A	DVTI
P01-07D	6913139.00	582217.00	2" PVC	0.49	1060.49	32.65	34.15	1027.842	1026.342	A	DVTI
P01-07E	6913139.00	582217.00	2" PVC	0.39	1060.49	38.89	40.41	1021.602	1020.082	A	DVTI
P01-08A	6913119.00	582596.00	2" PVC	0.39	1063.70	14.02	15.54	1049.677	1048.157	T	DVTI
P01-08B	6913119.00	582596.00	2" PVC	0.76	1063.74	24.1	25.6	1039.635	1038.135	A	DVTI
P01-08C	6913119.00	582596.00	2" PVC	0.67	1063.75	28.8	29.7	1034.945	1034.045	A	DVTI
P01-09A	6912642.00	583196.00	2" PVC	0.44	1060.76	10.2	11.72	1050.563	1049.043	T	DVTI
P01-09B	6912642.00	583196.00	2" PVC	0.37	1060.73	14.95	16.47	1045.778	1044.258	T	DVTI
P01-09C	6912642.00	583196.00	2" PVC	0.38	1060.80	20.61	22.13	1040.194	1038.674	A	DVTI
P01-09D	6912642.00	583196.00	2" PVC	0.33	1060.80	26.92	28.44	1033.884	1032.364	A	DVTI
P01-10A	6912908.00	583221.00	2" PVC	0.49	1064.58	13.67	15.19	1050.91	1049.39	T	DVTI
P01-10B	6912908.00	583221.00	2" PVC	0.45	1064.50	19.51	21.03	1044.992	1043.472	A	DVTI
P01-11	6914306.00	580214.40	2" PVC	0.55	1017.28	9.15	10.67	1008.128	1006.608	A	DVTI
P03-01-01	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.58	46.48	46.79	1014.099	1013.7942	A	DVTI
P03-01-02	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.59	38.56	38.86	1022.03	1021.82	A	DVTI
P03-01-03	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.58	30.33	30.63	1030.2534	1029.9486	A	DVTI
P03-01-04	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.58	24.23	24.54	1036.3494	1036.0446	A	DVTI
P03-01-05	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.58	18.14	18.44	1042.4454	1042.1406	A	DVTI
P03-01-06	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.58	12.95	13.26	1047.627	1047.3222	A	DVTI
P03-01-07	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.58	10.52	10.82	1050.0654	1049.7606	A	DVTI
P03-01-08	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.58	8.99	9.30	1051.5894	1051.2846	T	DVTI
P03-01-09	6912580.29	583301.28	1/2" id 5/8" od hdpe	0.53	1060.58	7.47	7.77	1053.1134	1052.8086	T	DVTI
P03-02-01	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	33.53	33.83	1026.377	1026.0722	A	DVTI
P03-02-02	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	30.18	30.48	1029.7298	1029.425	A	DVTI
P03-02-03	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	22.56	22.86	1037.3498	1037.045	A	DVTI
P03-02-04	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	16.46	16.76	1043.4458	1043.141	A	DVTI
P03-02-05	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	13.41	13.72	1046.4938	1046.189	A	DVTI
P03-02-06	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	12.50	12.80	1047.4082	1047.1034	A	DVTI
P03-02-07	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	11.58	11.89	1048.3226	1048.0178	T	DVTI
P03-02-08	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	8.53	8.84	1051.3706	1051.0658	T	DVTI
P03-02-09	6912572.26	583134.72	1/2" id 5/8" od hdpe	0.69	1059.91	7.32	7.62	1052.5898	1052.285	T	DVTI
P03-03-01	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	42.67	42.98	1018	1017.6952	A	DVTI
P03-03-02	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	32.92	33.22	1027.7536	1027.4488	A	DVTI
P03-03-03	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	26.82	27.13	1033.8496	1033.5448	A	DVTI
P03-03-04	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	21.95	22.25	1038.7264	1038.4216	A	DVTI
P03-03-05	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	18.29	18.59	1042.384	1042.0792	A	DVTI
P03-03-06	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	16.76	17.07	1043.908	1043.6032	A	DVTI
P03-03-07	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	14.94	15.24	1045.7368	1045.432	T	DVTI
P03-03-08	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	11.89	12.19	1048.7848	1048.48	T	DVTI
P03-03-09	6912698.18	583068.11	1/2" id 5/8" od hdpe	0.82	1060.67	8.84	9.14	1051.8328	1051.528	T	DVTI
P03-04-01	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	57.91	58.22	1002.517	1002.2122	A	DVTI
P03-04-02	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	47.24	47.55	1013.185	1012.8802	A	DVTI
P03-04-03	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	41.15	41.45	1019.281	1018.9762	A	DVTI
P03-04-04	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	34.75	35.05	1025.6818	1025.377	A	DVTI
P03-04-05	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	25.76	26.06	1034.6734	1034.3686	A	DVTI
P03-04-06	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	17.07	17.37	1043.3602	1043.0554	A	DVTI
P03-04-07	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	15.24	15.54	1045.189	1044.8842	A	DVTI
P03-04-08	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	13.41	13.72	1047.0178	1046.713	T	DVTI
P03-04-09	6913185.77	582084.65	1/2" id 5/8" od hdpe	0.78	1060.43	12.50	12.80	1047.9322	1047.6274	T	DVTI
P03-05-01	6912934.16	582604.60	1/2" id 5/8" od hdpe	0.84	1059.59	44.20	44.50	1015.392	1015.0872	A	DVTI
P03-05-02	6912934.16	582604.60	1/2" id 5/8" od hdpe	0.84	1059.59	36.58	36.88	1023.012	1022.7072	A	DVTI
P03-05-03	6912934.16	582604.60	1/2" id 5/8" od hdpe	0.84	1059.59	27.43	27.74	1032.156	1031.8512	A	DVTI
P03-05-04	6912934.16	582604.60	1/2" id 5/8" od hdpe	0.84	1059.59	23.16	23.47	1036.4232	1036.1184	A	DVTI
P03-05-05	6912934.16	582604.60	1/2" id 5/8" od hdpe	0.84	1059.59	21.34	21.64	1038.252	1037.9472	A	DVTI
P03-05-06	6912934.16	582604.60	1/2" id 5/8" od hdpe	0.84	1059.59	18.29	18.59	1041.3	1040.9952	T	DVTI
P03-05-07	6912934.16	582604.60	1/2" id 5/8" od hdpe	0.84	1059.59	13.72	14.02	1045.872	1045.5672	T	DVTI
P03-05-08	6912934.16	582604.60	1/2" id 5/8" od hdpe	0.84	1059.59	10.67	10.97	1048.92	1048.6152	T	DVTI
P03-06-01	6913308.75	582572.89	1/2" id 5/8" od hdpe	0.87	1061.93	25.60	25.91	1036.3218	1036.017	A	DVTI
P03-06-02	6913308.75	582572.89	1/2" id 5/8" od hdpe	0.87	1061.93	22.56	22.86	1039.3698	1039.065	A	DVTI
P03-06-03	6913308.75	582572.89	1/2" id 5/8" od hdpe	0.87	1061.93	19.51	19.81	1042.4178	1042.113	A	DVTI
P03-06-04	6913308.75	582572.89	1/2" id 5/8" od hdpe	0.87	1061.93	16.15	16.46	1045.7706	1045.4658	A	DVTI
P03-06-05	6913308.75	582572.89	1/2" id 5/8" od hdpe	0.87	1061.93	14.02	14.33	1047.9042	1047.5994	A	DVTI
P03-06-06	6913308.75	582572.89	1/2" id 5/8" od hdpe	0.87	1061.93	12.19	12.50	1049.733	1049.4282	T	DVTI
P03-06-07	6913308.75	582572.89	1/2" id 5/8" od hdpe	0.87	1061.93	10.67	10.97	1051.257	1050.9522	T	DVTI
P03-07-01	6913278.55	582710.26	1/2" id 5/8" od hdpe	0.78	1064.21	38.10	38.40	1026.107	1025.8022	A	DVTI
P03-07-02	6913278.55	582710.26	1/2" id 5/8" od hdpe	0.78	1064.21	33.53	33.83	1030.679	1030.3742	A	DVTI
P03-07-03	6913278.55	582710.26	1/2" id 5/8" od hdpe	0.78	1064.21	28.65	28.96	1035.5558	1035.251	A	DVTI
P03-07-04	6913278.55	582710.26	1/2" id 5/8" od hdpe	0.78	1064.21	21.34	21.64	1042.871	1042.5662	A	DVTI
P03-07-05	6913278.55	582710.26	1/2" id 5/8" od hdpe	0.78	1064.21	19.81	20.12	1044.395	1044.0902	A	DVTI
P03-07-06	6913278.55	582710.26	1/2" id 5/8" od hdpe	0.78	1064.21	17.98	18.29	1046.2238	1045.919	T	DVTI
P03-07-07	6913278.55	582710.26	1/2" id 5/8" od hdpe	0.78	1064.21	16.46	16.76	1047.7478	1047.443	T	DVTI
P03-07-08	6913278.55	582710.26	1/2" id 5/8" od hdpe	0.78	1064.21	13.41	13.72	1050.7958	1050.491	T	DVTI
P03-08-01	6913514.31	580980.35	1/2" id 5/8" od hdpe	0.88	1047.47	32.31	32.61	1015.1652	1014.8604	A	DVTI
P03-08-02	6913514.31	580980.35	1/2" id 5/8" od hdpe	0.88	1047.47	28.04	28.35	1019.4324	1019.1276	A	DVTI
P03-08-03	6913514.31	580980.35	1/2" id 5/8" od hdpe	0.88	1047.47	24.38	24.69	1023.09	1022.7852	A	DVTI
P03-08-04	6913514.31	580980.35	1/2" id 5/8" od hdpe	0.88	1047.47	22.86	23.16	1024.614	1024.3092	A	DVTI
P03-08-05	6913514.31	580980.35	1/2" id 5/8" od hdpe	0.88	1047.47	21.34	21.64	1026.138	1025.8332	A	DVTI
P03-08-06	6913514.31	580980.35	1/2" id 5/8" od hdpe	0.88	1047.47	19.81	20.12	1027.662	1027.3572	T	DVTI
P03-08-07	6913514.31	580980.35	1/2" id 5/8" od hdpe	0.88	1047.47	16.76	17.07	1030.71	1030.4052	T	DVTI
P03-08-08	6913514.31	580980.35	1/2" id 5/8" od hdpe	0.88	1047.47	13.72	14.02	1033.758	1033.4532	T	DVTI
P03-09-01	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	34.75	35.05	983.0748	982.77	A	DVTI
P03-09-02	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	32.00	32.31	985.818	985.5132	A	DVTI
P03-09-03	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	26.82	27.13	990.9996	990.6948	A	DVTI
P03-09-04	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	23.47	23.77	994.3524	994.0476	A	DVTI
P03-09-05	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	21.64	21.95	996.1812	995.8764	A	DVTI
P03-09-06	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	18.59	18.90	999.2292	998.9244	A	DVTI
P03-09-07	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	13.11	13.41	1004.7156	1004.4108	A	DVTI
P03-09-08	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	9.14	9.45	1008.678	1008.3732	A	DVTI
P03-09-09	6914228.89	580065.39	1/2" id 5/8" od hdpe	0.69	1017.82	7.32	7.62	1010.5068	1010.202	A	DVTI
X16A	6914672.23	579573.93		0.50	1015.91	3	6	1012.91	1009.91	A	DVTI
X16B	6914672.23	579573.93	4" dia.	0.10	1015.91	20	34	995.91	981.91	A	DVTI
X17A	6914474.54	579874.27		1.15	1014.30	4.5	6.2	1009.8	1008.1	A	DVTI

Table 2. Summary of Well Construction Details and Information

Well ID	Northing	Easting	Material	Stickup (m)	Ground Elevation (m asl)	Depth From Ground To Top of Screen (m)	Depth From Ground To Bottom of Screen (m)	Elevation of Top of Screen (m.a.s.l)	Elevation of Bottom of Screen (m.a.s.l)	Formation	Location
X17B	6914474.54	579874.27	4" dia.	0.59	1014.30	17	25	997.3	989.3	A	DVTI
X18A	6914539.11	580105.49	ABS riser	0.62	1018.97	8.8	10.6	1010.17	1008.37	A	DVTI
X18B	6914539.11	580105.49	ABS riser	0.68	1018.97	16.6	22.8	1002.37	996.17	A	DVTI
X19A			ABS riser	0.99	1020.44	10	24	1010.44	996.44	A	DVTI
X19B			ABS riser	1.45	1020.44	25	28.7	995.44	991.74	A	DVTI
TH86-17	6912488.55	583943.22	1.5" well, screen length assumed	1.04	1065.90			1052	1053.53	A	DVTI
X25A	6913945.40	580519.30		0.68	1031.40	7.44	8.97	1023.96	1022.43	A	DVTI
X25B	6913945.40	580519.30		0.63	1031.40	17.7	19.17	1013.7	1012.23	A	DVTI
X24A	6914123.80	580654.80	no screen	0.80	1032.30	6.42	6.48	1025.88	1025.82	A	DVTI
X24B	6914123.80	580654.80	1" dia. well	0.75	1032.30	9.8	11.3	1022.5	1021	A	DVTI
X24C	6914123.80	580654.80		0.70	1032.30	14.97	16.47	1017.33	1015.83	A	DVTI
X24D	6914123.80	580654.80		0.70	1032.30	26.84	28.34	1005.46	1003.96	A	DVTI
X21A	6913416.70	581989.30	1" dia. well	0.69	1051.40	2.43	8.53	1048.97	1042.87	T	DVTI
X21B	6913416.70	581989.30		0.74	1051.40	11.64	14.69	1039.76	1036.71	A	DVTI
X21C	6913416.70	581989.30		0.81	1051.40	27.86	29.37	1023.54	1022.03	A	DVTI
P96-6	6913130.00	585014.00			1111					A	FRD
P96-7	6913110.00	584226.00								A	DVTI
P96-8 A	6913894.00	583347.00			1134					A	DVTI
P96-8 B	6913894.00	583347.00			1134.00					A	DVTI
P96-9 A	6903159.00	592771.00			1139					A	GV
BH1	6913527.00	585285.00			1132.00					A	FRD
BH2	6913512.00	585221.00			1134.00					A	FRD
BH4	6913456.00	585241.00								A	FRD
BH12 A	6914090.00	585881.00			1193.00					A	FRD
BH12 B	6914090.00	585881.00			1193.00					A	FRD
BH13 A	6914308.00	585867.00			1221.00					A	FRD
BH13 B	6914308.00	585867.00			1221.00					A	FRD
BH14 A	6913823.00	585703.00			1187.00					A	FRD
BH14 B	6913823.00	585703.00			1187.00					A	FRD
V34	6902288.00	593555.00			1139.00					A	GV
V35	6902374.00	593298.00			1145.00					A	GV
V36	6902735.00	593250.00			1129.00					A	GV
V37	6902897.00	593433.00			1146.00					A	GV
P01-52 A	6902680.00	593251.00			1136.00					A	GV
P01-52 B	6902680.00	593251.00			1136.00					A	GV
P01-51	6902698.00	593218.00			1156.00					A	GV
S1 A	6912941.00	584540.00								A	FRD
S1 B	6912941.00	584540.00								A	FRD
S2 A	6912932.00	584580.00			1127.00					A	FRD
S2 B	6912932.00	584580.00			1127.00					A	FRD
S3	6912912.00	584605.00			1127.00					A	FRD

** for multi-level wells (P03 series), this corresponds to the elevation of the PVC centre stalk.*
b (A = aquifer or natural soil, T = tailings).
c DVTI = Down Valley and Tailings Impoundment Area.
c FRD = Faro Rock Dump Area.
c GV = Grum and Vangorda Areas.

Table 3. 2004 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (masl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-01-01	0.53	1060.581	2/11/2004		6.19	1054.92
P03-01-01	0.53	1060.581	5/12/2004		6.39	1054.72
P03-01-01	0.53	1060.581	6/8/2004	17:10	5.45	1055.66
P03-01-01	0.53	1060.581	9/21/2004		6.22	1054.89
P03-01-02	0.53	1060.5872	2/11/2004		6.2	1054.91
P03-01-02	0.53	1060.5872	5/12/2004		6.37	1054.74
P03-01-02	0.53	1060.5872	6/8/2004	17:14	5.44	1055.67
P03-01-02	0.53	1060.5872	9/21/2004		6.27	1054.84
P03-01-03	0.53	1060.581	2/11/2004		6.4	1054.71
P03-01-03	0.53	1060.581	5/12/2004		6.36	1054.75
P03-01-03	0.53	1060.581	6/8/2004	17:15	5.43	1055.68
P03-01-03	0.53	1060.581	9/21/2004		6.25	1054.86
P03-01-04	0.53	1060.581	2/11/2004		6.49	1054.62
P03-01-04	0.53	1060.581	5/12/2004		6.37	1054.74
P03-01-04	0.53	1060.581	6/8/2004	17:16	5.45	1055.66
P03-01-04	0.53	1060.581	9/21/2004		6.27	1054.84
P03-01-05	0.53	1060.581	2/11/2004		6.5	1054.61
P03-01-05	0.53	1060.581	5/12/2004		6.38	1054.73
P03-01-05	0.53	1060.581	6/8/2004	17:16	5.45	1055.66
P03-01-05	0.53	1060.581	9/21/2004		6.28	1054.83
P03-01-06	0.53	1060.581	2/11/2004		6.5	1054.61
P03-01-06	0.53	1060.581	5/12/2004		6.37	1054.74
P03-01-06	0.53	1060.581	6/8/2004	17:17	5.44	1055.67
P03-01-06	0.53	1060.581	9/21/2004		6.26	1054.85
P03-01-07	0.53	1060.581	2/11/2004		6.48	1054.63
P03-01-07	0.53	1060.581	5/12/2004		6.345	1054.76
P03-01-07	0.53	1060.581	6/8/2004	17:18	5.48	1055.63
P03-01-07	0.53	1060.581	9/21/2004		6.21	1054.90
P03-01-08	0.53	1060.581	2/11/2004		6.49	1054.62
P03-01-08	0.53	1060.581	5/12/2004		6.315	1054.79
P03-01-08	0.53	1060.581	6/8/2004	17:20	5.64	1055.47
P03-01-08	0.53	1060.581	9/21/2004		5.95	1055.16
P03-01-09	0.53	1060.581	2/11/2004		6.49	1054.62
P03-01-09	0.53	1060.581	5/13/2004		6.38	1054.73
P03-01-09	0.53	1060.581	6/8/2004	17:20	5.84	1055.27
P03-01-09	0.53	1060.581	9/21/2004		6	1055.11
P03-02-01	0.69	1059.905	2/11/2004		6.48	1054.12
P03-02-01	0.69	1059.905	5/12/2004		6.175	1054.42
P03-02-01	0.69	1059.905	6/10/2004	12:41	5.73	1054.87
P03-02-01	0.69	1059.905	9/22/2004		6.3	1054.30
P03-02-02	0.69	1059.905	2/11/2004		6.47	1054.13
P03-02-02	0.69	1059.905	5/12/2004		6.2	1054.40
P03-02-02	0.69	1059.905	6/10/2004	12:41	5.73	1054.87
P03-02-02	0.69	1059.905	9/22/2004		6.3	1054.30
P03-02-03	0.69	1059.905	2/11/2004		6.46	1054.14
P03-02-03	0.69	1059.905	5/12/2004		6.38	1054.22
P03-02-03	0.69	1059.905	6/10/2004	12:42	5.735	1054.86
P03-02-03	0.69	1059.905	9/22/2004		6.3	1054.30
P03-02-04	0.69	1059.905	2/11/2004		6.465	1054.13
P03-02-04	0.69	1059.905	5/12/2004		6.26	1054.34
P03-02-04	0.69	1059.905	6/10/2004	12:43	5.72	1054.88

Table 3. 2004 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (masl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-02-04	0.69	1059.905	9/22/2004		6.29	1054.31
P03-02-05	0.69	1059.905	2/11/2004		6.47	1054.13
P03-02-05	0.69	1059.905	5/11/2004		6.4	1054.20
P03-02-05	0.69	1059.905	6/10/2004	12:44	5.73	1054.87
P03-02-05	0.69	1059.905	9/22/2004		6.3	1054.30
P03-02-06	0.69	1059.905	2/11/2004		6.45	1054.15
P03-02-06	0.69	1059.905	5/12/2004		6.38	1054.22
P03-02-06	0.69	1059.905	6/10/2004	12:44	5.75	1054.85
P03-02-06	0.69	1059.905	9/22/2004		6.29	1054.31
P03-02-07	0.69	1059.905	2/11/2004		5.895	1054.70
P03-02-07	0.69	1059.905	5/12/2004		6.03	1054.57
P03-02-07	0.69	1059.905	6/10/2004	12:45	5.56	1055.04
P03-02-07	0.69	1059.905	9/22/2004		5.78	1054.82
P03-02-08	0.69	1059.905	2/11/2004		5.75	1054.85
P03-02-08	0.69	1059.905	5/12/2004		5.93	1054.67
P03-02-08	0.69	1059.905	6/10/2004	12:46	5.53	1055.07
P03-02-08	0.69	1059.905	9/22/2004		5.64	1054.96
P03-02-09	0.69	1059.905	2/11/2004		5.7	1054.90
P03-02-09	0.69	1059.905	5/12/2004		5.87	1054.73
P03-02-09	0.69	1059.905	6/10/2004	12:47	5.52	1055.08
P03-02-09	0.69	1059.905	9/22/2004		5.59	1055.01
P03-03-01	0.82	1060.672	2/11/2004		7.61	1053.88
P03-03-01	0.82	1060.672	5/12/2004		7.6	1053.89
P03-03-01	0.82	1060.672	6/10/2004	10:36	6.82	1054.67
P03-03-01	0.82	1060.672	9/25/2004		7.342	1054.15
P03-03-02	0.82	1060.672	2/11/2004		7.65	1053.84
P03-03-02	0.82	1060.672	5/12/2004		7.625	1053.86
P03-03-02	0.82	1060.672	6/10/2004	10:37	6.89	1054.60
P03-03-02	0.82	1060.672	9/25/2004		7.38	1054.11
P03-03-03	0.82	1060.672	2/11/2004		7.66	1053.83
P03-03-03	0.82	1060.672	5/12/2004		7.59	1053.90
P03-03-03	0.82	1060.672	6/10/2004	10:38	6.865	1054.62
P03-03-03	0.82	1060.672	9/25/2004		7.357	1054.13
P03-03-04	0.82	1060.672	2/11/2004		7.65	1053.84
P03-03-04	0.82	1060.672	5/12/2004		7.59	1053.90
P03-03-04	0.82	1060.672	6/10/2004	10:39	6.865	1054.62
P03-03-04	0.82	1060.672	9/25/2004		7.38	1054.11
P03-03-05	0.82	1060.672	2/11/2004		7.66	1053.83
P03-03-05	0.82	1060.672	5/12/2004		7.6	1053.89
P03-03-05	0.82	1060.672	6/10/2004	10:40	6.865	1054.62
P03-03-05	0.82	1060.672	9/25/2004		7.408	1054.08
P03-03-06	0.82	1060.672	2/11/2004		7.65	1053.84
P03-03-06	0.82	1060.672	5/12/2004		7.585	1053.90
P03-03-06	0.82	1060.672	6/10/2004	10:41	6.86	1054.63
P03-03-06	0.82	1060.672	9/25/2004		7.408	1054.08
P03-03-07	0.82	1060.672	2/11/2004		7.55	1053.94
P03-03-07	0.82	1060.672	5/12/2004		7.53	1053.96
P03-03-07	0.82	1060.672	6/10/2004	10:41	6.865	1054.62
P03-03-07	0.82	1060.672	9/25/2004		7.392	1054.10
P03-03-08	0.82	1060.672	2/11/2004		7.16	1054.33
P03-03-08	0.82	1060.672	5/12/2004		7.315	1054.17

Table 3. 2004 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (masl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-03-08	0.82	1060.672	6/10/2004	10:42	6.92	1054.57
P03-03-08	0.82	1060.672	9/25/2004		7.46	1054.03
P03-03-09	0.82	1060.672	2/11/2004		7.24	1054.25
P03-03-09	0.82	1060.672	5/12/2004		dry	#VALUE!
P03-03-09	0.82	1060.672	6/10/2004	10:43	6.98	1054.51
P03-03-09	0.82	1060.672	9/25/2004		7.07	1054.42
P03-04-01	0.78	1060.429	5/11/2004		12.54	1048.67
P03-04-01	0.78	1060.429	6/9/2004	13:31	12.23	1048.98
P03-04-01	0.78	1060.429	8/3/2004	14:27	12.2	1049.01
P03-04-01	0.78	1060.429	9/24/2004		12.44	1048.77
P03-04-02	0.78	1060.429	5/11/2004		12.54	1048.67
P03-04-02	0.78	1060.429	6/9/2004	13:33	12.245	1048.96
P03-04-02	0.78	1060.429	8/3/2004	14:32	12.2	1049.01
P03-04-02	0.78	1060.429	9/24/2004		12.41	1048.80
P03-04-03	0.78	1060.429	5/11/2004		12.455	1048.75
P03-04-03	0.78	1060.429	6/9/2004	13:34	12.15	1049.06
P03-04-03	0.78	1060.429	8/3/2004	14:33	12.16	1049.05
P03-04-03	0.78	1060.429	9/24/2004		12.35	1048.86
P03-04-04	0.78	1060.429	5/11/2004		12.84	1048.37
P03-04-04	0.78	1060.429	6/9/2004	13:37	12.44	1048.77
P03-04-04	0.78	1060.429	8/3/2004	14:34	12.5	1048.71
P03-04-04	0.78	1060.429	9/24/2004		12.7	1048.51
P03-04-05	0.78	1060.429	5/12/2004		13.065	1048.14
P03-04-05	0.78	1060.429	6/9/2004	13:38	12.5	1048.71
P03-04-05	0.78	1060.429	8/3/2004	14:36	12.5	1048.71
P03-04-05	0.78	1060.429	9/24/2004		12.7	1048.51
P03-04-06	0.78	1060.429	5/11/2004		12.86	1048.35
P03-04-06	0.78	1060.429	6/9/2004	13:39	12.58	1048.63
P03-04-06	0.78	1060.429	8/3/2004	14:37	12.53	1048.68
P03-04-06	0.78	1060.429	9/24/2004		12.605	1048.60
P03-04-07	0.78	1060.429	5/11/2004		12.52	1048.69
P03-04-07	0.78	1060.429	6/9/2004	13:40	12.61	1048.60
P03-04-07	0.78	1060.429	8/3/2004	14:42	12.44	1048.77
P03-04-07	0.78	1060.429	9/24/2004		12.605	1048.60
P03-04-08	0.78	1060.429	5/11/2004		12.87	1048.34
P03-04-08	0.78	1060.429	6/9/2004	13:42	12.61	1048.60
P03-04-08	0.78	1060.429	8/3/2004	14:40	12.47	1048.74
P03-04-08	0.78	1060.429	9/24/2004		12.6	1048.61
P03-04-09	0.78	1060.429	5/11/2004		12.89	1048.32
P03-04-09	0.78	1060.429	6/9/2004	13:44	12.62	1048.59
P03-04-09	0.78	1060.429	8/3/2004	14:44	12.49	1048.72
P03-04-09	0.78	1060.429	9/24/2004		12.6	1048.61
P03-05-01	0.84	1059.588	6/9/2004	9:26	8.36	1052.07
P03-05-01	0.84	1059.588	9/22/2004		8.78	1051.65
P03-05-02	0.84	1059.588	6/9/2004	9:26	8.36	1052.07
P03-05-02	0.84	1059.588	9/22/2004		8.78	1051.65
P03-05-03	0.84	1059.588	6/9/2004	9:27	8.405	1052.03
P03-05-03	0.84	1059.588	9/22/2004		8.84	1051.59
P03-05-04	0.84	1059.588	6/9/2004	9:28	8.55	1051.88
P03-05-04	0.84	1059.588	9/22/2004		8.95	1051.48
P03-05-05	0.84	1059.588	6/9/2004	9:29	8.56	1051.87

Table 3. 2004 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (masl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-05-05	0.84	1059.588	9/22/2004		8.95	1051.48
P03-05-06	0.84	1059.588	6/9/2004	9:29	8.475	1051.96
P03-05-06	0.84	1059.588	9/22/2004		8.81	1051.62
P03-05-07	0.84	1059.588	6/9/2004	9:30	8.5	1051.93
P03-05-07	0.84	1059.588	9/22/2004		8.83	1051.60
P03-05-08	0.84	1059.588	6/9/2004	9:31	8.43	1052.00
P03-05-08	0.84	1059.588	9/22/2004		8.71	1051.72
P03-06-01	0.87	1061.925	6/10/2004	15:48	12.24	1050.55
P03-06-01	0.87	1061.925	9/22/2004		12.51	1050.28
P03-06-02	0.87	1061.925	6/10/2004	15:51	12.23	1050.56
P03-06-02	0.87	1061.925	9/22/2004		12.51	1050.28
P03-06-03	0.87	1061.925	6/10/2004	15:52	12.23	1050.56
P03-06-03	0.87	1061.925	9/22/2004		12.51	1050.28
P03-06-04	0.87	1061.925	6/10/2004	15:54	12.24	1050.55
P03-06-04	0.87	1061.925	9/22/2004		12.52	1050.27
P03-06-05	0.87	1061.925	6/10/2004	15:55	1223	-160.21
P03-06-05	0.87	1061.925	9/22/2004		12.51	1050.28
P03-06-06	0.87	1061.925	6/10/2004	15:56	12.32	1050.47
P03-06-06	0.87	1061.925	9/22/2004		12.49	1050.30
P03-06-07	0.87	1061.925	9/22/2004		dry	#VALUE!
P03-07-01	0.78	1064.207	6/10/2004	17:42	13.02	1051.96
P03-07-02	0.78	1064.207	6/10/2004	17:44	13.07	1051.91
P03-07-03	0.78	1064.207	6/10/2004	17:45	13.1	1051.88
P03-07-04	0.78	1064.207	6/10/2004	17:47	13.11	1051.87
P03-07-08	0.78	1064.207	6/10/2004	17:50	12.71	1052.27
P03-08-01	0.88	1047.474	5/11/2004		8.225	1040.13
P03-08-01	0.88	1047.474	6/8/2004	13:20	7.135	1041.22
P03-08-01	0.88	1047.474	8/4/2004	8:10	7.46	1040.89
P03-08-01	0.88	1047.474	9/24/2004		8	1040.35
P03-08-02	0.88	1047.474	5/11/2004		8.215	1040.14
P03-08-02	0.88	1047.474	6/8/2004	13:21	7.13	1041.22
P03-08-02	0.88	1047.474	8/4/2004	8:11	7.46	1040.89
P03-08-02	0.88	1047.474	9/24/2004		7.98	1040.37
P03-08-03	0.88	1047.474	5/11/2004		8.005	1040.35
P03-08-03	0.88	1047.474	6/8/2004	13:22	6.95	1041.40
P03-08-03	0.88	1047.474	8/4/2004	8:12	7.29	1041.06
P03-08-03	0.88	1047.474	9/24/2004		7.78	1040.57
P03-08-04	0.88	1047.474	5/11/2004		8	1040.35
P03-08-04	0.88	1047.474	6/8/2004	13:23	6.95	1041.40
P03-08-04	0.88	1047.474	8/4/2004	8:13	7.31	1041.04
P03-08-04	0.88	1047.474	9/24/2004		7.78	1040.57
P03-08-05	0.88	1047.474	5/11/2004		7.91	1040.44
P03-08-05	0.88	1047.474	6/8/2004	13:32	6.83	1041.52
P03-08-05	0.88	1047.474	8/4/2004	8:14	7.23	1041.12
P03-08-05	0.88	1047.474	9/24/2004		7.63	1040.72
P03-08-06	0.88	1047.474	5/11/2004		7.49	1040.86
P03-08-06	0.88	1047.474	6/8/2004	13:33	6.41	1041.94
P03-08-06	0.88	1047.474	8/4/2004	8:15	6.87	1041.48
P03-08-06	0.88	1047.474	9/24/2004		7.21	1041.14
P03-08-07	0.88	1047.474	5/11/2004		5.645	1042.71
P03-08-07	0.88	1047.474	6/8/2004	13:34	4.81	1043.54

Table 3. 2004 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (masl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-08-07	0.88	1047.474	8/4/2004	8:16	5.36	1042.99
P03-08-07	0.88	1047.474	9/24/2004		5.37	1042.98
P03-08-08	0.88	1047.474	5/11/2004		5.575	1042.78
P03-08-08	0.88	1047.474	6/8/2004	13:35	4.69	1043.66
P03-08-08	0.88	1047.474	8/4/2004	8:17	5.36	1042.99
P03-08-08	0.88	1047.474	9/24/2004		5.23	1043.12
P03-09-01	0.69	1017.822	2/11/2004		2.41	1016.10
P03-09-01	0.69	1017.822	5/11/2004		2.4	1016.11
P03-09-01	0.69	1017.822	6/8/2004	9:23	2.26	1016.25
P03-09-01	0.69	1017.822	8/4/2004	10:20	2.19	1016.32
P03-09-01	0.69	1017.822	9/21/2004		2.53	1015.98
P03-09-02	0.69	1017.822	2/11/2004		2.64	1015.87
P03-09-02	0.69	1017.822	5/11/2004		2.72	1015.79
P03-09-02	0.69	1017.822	6/8/2004	9:24	2.52	1015.99
P03-09-02	0.69	1017.822	8/4/2004	10:21	3.15	1015.36
P03-09-02	0.69	1017.822	9/21/2004		2.77	1015.74
P03-09-03	0.69	1017.822	2/11/2004		2.84	1015.67
P03-09-03	0.69	1017.822	5/11/2004		2.895	1015.62
P03-09-03	0.69	1017.822	6/8/2004	9:25	3.12	1015.39
P03-09-03	0.69	1017.822	8/4/2004	10:22	2.67	1015.84
P03-09-03	0.69	1017.822	9/21/2004		2.92	1015.59
P03-09-04	0.69	1017.822	2/11/2004		3.18	1015.33
P03-09-04	0.69	1017.822	5/11/2004		3.215	1015.30
P03-09-04	0.69	1017.822	6/8/2004	9:26	271	747.51
P03-09-04	0.69	1017.822	8/4/2004	10:23	3.05	1015.46
P03-09-04	0.69	1017.822	9/21/2004		3.23	1015.28
P03-09-05	0.69	1017.822	2/11/2004		3.23	1015.28
P03-09-05	0.69	1017.822	5/11/2004		3.265	1015.25
P03-09-05	0.69	1017.822	6/8/2004	9:26	3.06	1015.45
P03-09-05	0.69	1017.822	8/4/2004	10:24	3.1	1015.41
P03-09-05	0.69	1017.822	9/21/2004		3.27	1015.24
P03-09-06	0.69	1017.822	2/11/2004		3.25	1015.26
P03-09-06	0.69	1017.822	5/11/2004		3.285	1015.23
P03-09-06	0.69	1017.822	6/8/2004	9:27	3.14	1015.37
P03-09-06	0.69	1017.822	8/4/2004	10:25	2.48	1016.03
P03-09-06	0.69	1017.822	9/21/2004		3.3	1015.21
P03-09-07	0.69	1017.822	2/11/2004		3.4	1015.11
P03-09-07	0.69	1017.822	5/11/2004		3.435	1015.08
P03-09-07	0.69	1017.822	6/8/2004	9:27	3.295	1015.22
P03-09-07	0.69	1017.822	8/4/2004	10:26	3.33	1015.18
P03-09-07	0.69	1017.822	9/21/2004		3.45	1015.06
P03-09-08	0.69	1017.822	2/11/2004		3.45	1015.06
P03-09-08	0.69	1017.822	5/11/2004		3.485	1015.03
P03-09-08	0.69	1017.822	6/8/2004	9:28	3.345	1015.17
P03-09-08	0.69	1017.822	8/4/2004	10:27	3.39	1015.12
P03-09-08	0.69	1017.822	9/21/2004		3.49	1015.02
P03-09-09	0.69	1017.822	2/11/2004		3.64	1014.87
P03-09-09	0.69	1017.822	5/12/2004		3.66	1014.85
P03-09-09	0.69	1017.822	6/8/2004	9:29	3.525	1014.99
P03-09-09	0.69	1017.822	8/4/2004	10:28	3.58	1014.93
P03-09-09	0.69	1017.822	9/21/2004		3.66	1014.85

Table 4. 2004 Water Level Elevation for Conventional Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (masl)	Date	Time	Water Level Below Top of Casing (m)	Water Level Elevation (masl)
BH12 A *		1193.00	6/10/2004	11:21	2.57	1190.43
BH12 A *		1193.00	9/29/2004	11:20	2.53	1190.47
BH12 B *		1193.00	6/10/2004	11:45	2.62	1190.38
BH12 B *		1193.00	9/29/2004	11:20	2.09	1190.91
BH13 A *		1221.00	6/10/2004	10:55	1.39	1219.61
BH13 B *		1221.00	9/29/2004	11:35	3.615	1217.39
BH14 A *		1187.00	9/29/2004	12:48	3.83	1183.17
BH14 B *		1187.00	9/29/2004	12:48	4.47	1182.53
BH2 *		1134.00	6/9/2004	11:40	4.47	1129.53
BH2 *		1134.00	9/23/2004	10:00	4.95	1129.05
BH4			9/23/2004	0:00	2.55	
P01-01B	0.48	1015.38	9/27/2004	10:55	3.913	1011.94
P01-02B	0.68	1019.03	9/26/2004	14:02	0.342	1019.37
P01-03	0.56	1031.65	6/16/2004	19:09	1.88	1030.33
P01-04	0.56	1031.65	9/27/2004	9:37	2.611	1029.60
P01-04A	0.51	1031.39	9/26/2004	17:42	1.975	1029.92
P01-04B	0.50	1031.39	9/26/2004	17:02	1.539	1030.35
P01-05A	0.45	1050.17	9/26/2004	12:31	3.37	1047.25
P01-05B	0.52	1050.09	6/16/2004	17:25	3.32	1047.29
P01-06	0.49	1052.13	6/16/2004	15:55	4.83	1047.79
P01-07	0.49	1052.13	9/26/2004	11:07	5.21	1047.41
P01-07A	0.49	1060.27	9/26/2004	11:07	11.585	1049.17
P01-07B	0.44	1060.22	9/26/2004	11:07	11.505	1049.16
P01-07C	0.44	1060.28	6/16/2004	20:31	11.315	1049.40
P01-07C	0.44	1060.28	9/25/2004	16:42	11.45	1049.27
P01-07D	0.49	1060.49	6/16/2004	10:47	11.682	1049.30
P01-07D	0.49	1060.49	9/26/2004	15:49	11.815	1049.17
P01-07E	0.39	1060.49	6/17/2004	11:01	11.575	1049.31
P01-07E	0.39	1060.49	9/26/2004	15:14	11.698	1049.18
P01-08B	0.76	1063.74	5/13/2004	0:00	13.295	1051.20
P01-09A	0.44	1060.76	5/12/2004	0:00	6.93	1054.27
P01-09A	0.44	1060.76	9/25/2004	14:35	6.66	1054.54
P01-09B	0.37	1060.73	5/12/2004	0:00	6.803	1054.30
P01-09B	0.37	1060.73	9/25/2004	14:20	6.59	1054.51
P01-09C	0.38	1060.80	9/25/2004	13:50	6.77	1054.41
P01-09D	0.33	1060.80	9/25/2004	13:20	7.5	1053.63
P01-10A	0.49	1064.58	9/25/2004	15:46	10.38	1054.69
P01-10B	0.45	1064.50	5/13/2004	0:00	10.85	1054.10
P01-10B	0.45	1064.50	6/17/2004	14:12	10.246	1054.71
P01-10B	0.45	1064.50	9/25/2004	15:25	10.735	1054.22
P01-11	0.55	1017.28	6/8/2004	15:12	0.445	1017.38
P01-12	0.55	1017.28	9/27/2004	10:17	0.665	1017.16
P96-6		1078.70	6/9/2004	12:38	9	1069.70
P96-7			6/10/2004	12:54	5.84	
P96-8			9/29/2004	15:22	5.75	
P96-8 A		1101.70	6/9/2004	13:43	2.25	1099.45
P96-8 A		1101.70	9/24/2004	8:57	2.91	1098.79
P96-8 B		1101.70	6/9/2004	14:02	2.17	1099.53
P96-8 B		1101.70	9/24/2004	8:58	2.82	1098.88
S1 A			6/10/2004	14:35	3.56	
S1 A			9/23/2004	12:06	4.35	
S1 B			6/10/2004	14:41	2	
S1 B			9/23/2004	12:08	3.95	
S2 A		1127.00	6/10/2004	14:05	4.11	1122.89
S2 A		1127.00	9/23/2004	12:12	4.69	1122.31

Table 4. 2004 Water Level Elevation for Conventional Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (masl)	Date	Time	Water Level Below Top of Casing (m)	Water Level Elevation (masl)
S2 B		1127.00	6/10/2004	14:21	4.175	1122.83
S2 B		1127.00	9/23/2004	12:10	4.85	1122.15
S3		1127.00	6/10/2004	13:39	2.427	1124.57
S3		1127.00	9/23/2004	12:20	3.63	1123.37
TH86-17	1.04	1065.90	6/9/2004	14:50	5.73	1061.21
TH86-17	1.04	1065.90	9/21/2004	16:11	8.95	1057.99
X16A	0.50	1015.91	6/8/2004	13:20	2.867	1013.54
X16A	0.50	1015.91	9/21/2004	9:37	3.695	1012.72
X16B	0.10	1015.91	6/8/2004	0:00	3.265	1012.75
X16B	0.10	1015.91	9/21/2004	9:39	4.05	1011.96
X17A	1.15	1014.30	6/8/2004	0:00	2.073	1013.38
X17A	1.15	1014.30	9/22/2004	15:55	2.795	1012.65
X17B	0.59	1014.30	6/8/2004	0:00	2.615	1012.27
X17B	0.59	1014.30	9/22/2004	15:57	2.24	1012.65
X18A	0.62	1018.97	6/8/2004	0:00	4.005	1015.59
X18A	0.62	1018.97	9/21/2004	12:00	4.55	1015.04
X18B	0.68	1018.97	9/21/2004	12:00	4.16	1015.49
X21A	0.69	1051.40	9/23/2004	15:14	4.77	1047.32
X21B	0.74	1051.40	6/17/2004	10:30	4.483	1047.66
X21B	0.74	1051.40	9/23/2004	15:09	4.75	1047.39
X21C	0.81	1051.40	6/17/2004	10:07	4.483	1047.73
X21C	0.81	1051.40	9/23/2004	15:12	4.82	1047.39
X24A	0.80	1032.30	6/10/2004	17:45	2.87	1030.23
X24A	0.80	1032.30	8/4/2004	14:16	2.985	1030.12
X24A	0.80	1032.30	9/21/2004	14:00	3.82	1029.28
X24B	0.75	1032.30	6/10/2004	0:00	2.79	1030.26
X24B	0.75	1032.30	8/4/2004	14:15	2.895	1030.16
X24C	0.70	1032.30	6/10/2004	18:10	2.88	1030.12
X24C	0.70	1032.30	9/23/2004	14:23	3.7	1029.30
X24D	0.70	1032.30	6/10/2004	17:35	2.69	1030.31
X24D	0.70	1032.30	8/4/2004	14:12	2.807	1030.19
X24D	0.70	1032.30	9/21/2004	14:00	3.64	1029.36
X25A	0.68	1031.40	6/10/2004	16:30	2.103	1029.98
X25A	0.68	1031.40	8/4/2004	13:26	2.21	1029.87
X25B	0.63	1031.40	9/21/2004	13:00	3.3	1028.73
X25B	0.63	1031.40	6/10/2004	16:50	1.958	1030.07
X25B	0.63	1031.40	8/4/2004	13:24	2.79	1029.24
X25B	0.63	1031.40	9/21/2004	13:00	2.89	1029.14
V34		1139.00	6/9/2004	16:38	6.91	1132.09
V34		1139.00	9/22/2004	14:07	6.79	1132.21
V35		1145.00	6/9/2004	16:38	8.35	1136.65
V35		1145.00	9/22/2004	13:44	7.49	1137.51
V36		1129.00	6/9/2004	19:26	8.51	1120.49
V36		1129.00	9/22/2004	10:46	8.91	1120.09
V37		1146.00	6/9/2004	9:15	8.97	1137.03
V37		1146.00	9/22/2004	10:46	8.91	1137.09
P01-52A			6/8/2004	18:46	4.64	
P01-52A			9/22/2004	11:39	4.78	
P01-52B			6/8/2004	18:24	4.62	
P01-52B			9/22/2004	11:39	5.05	
P96-9A *		1106.7	6/9/2004	10:55	5.3	1101.40
P96-9A *		1106.7	9/24/2004	12:48	5.7	1101

* in mine datum.

Table 5. Summary of 2004 Water Quality Data, Faro Mine, Yukon

Well ID	Date Sampled	Temp. (field) (C)	Alkalinity (Total) as $CaCO_3$	Hardness ($CaCO_3$)	Sp. Cond. (field) (µS/cm)	Sp. Cond. (lab) (µS/cm)	pH (field)	pH (lab)	Aluminium	Arsenic	Barium	Beryllium	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Silver	Sodium	Antimony	Selenium	Sulfate	Titanium	Thalium	Uranium	Vanadium	Zinc
BH12A	6/10/2004	2.7	200	729	692	1260	6.45	7.79	<0.020	<0.0020	0.047	<0.0050	<0.10	165	0.00024	<0.0010	<0.0010	<0.0030	<0.030	<0.0020	<0.050	77	<0.010	<0.00020	<0.0020	<0.010	<0.00010	7	<0.0010	0.0039	461	<0.050	<0.00040	0.00649	<0.030	0.121
BH12A	9/29/2004	1.58		491	985	982	6.65	7.72	<0.020	<0.0020	0.028	0.0073	<0.10	108	0.00021	<0.0010	<0.0010	0.0022	0.034	<0.0020	<0.050	53.7	<0.010	<0.00020	<0.0020	<0.010	<0.00010	5.5	<0.0010	<0.0020	333	<0.050	<0.00040	0.00504	<0.030	0.122
BH12B	6/10/2004	4.2	198	672	684	1230	6.47	7.77	<0.020	<0.0020	0.042	<0.0050	<0.10	150	0.00022	<0.0010	<0.0010	0.0024	<0.030	<0.0020	<0.050	72.3	<0.010	<0.00020	<0.0020	<0.010	<0.00010	7	<0.0010	0.0037	437	<0.050	<0.00040	0.00687	<0.030	0.117
BH13A	6/10/2004			58					0.012	<0.0010	<0.020	<0.0050	<0.10	14.5	0.000216	<0.00050	<0.00050	0.0027	<0.030	0.0038	<0.050	5.27	0.012	<0.00020	<0.0010	<0.0050	<0.000050	<2.0	<0.00050	<0.0010		<0.050	<0.00020	<0.00020	<0.030	0.0533
BH13B	9/29/2004	1.2		552	1110	1100	7.36	7.71	<0.020	<0.0020	0.023	<0.0050	<0.10	147	<0.00010	<0.0010	<0.0010	0.0054	<0.030	<0.0020	<0.050	45.1	<0.010	<0.00020	0.0046	<0.010	<0.00010	5.7	<0.0010	0.0054	474	<0.050	<0.00040	0.00101	<0.030	0.0095
BH14A	6/10/2004	1.9	372	2260	1686	3430	6.74	7.8	<0.10	<0.010	<0.020	<0.0050	<0.10	572	<0.00050	<0.0050	<0.0050	<0.010	<0.030	<0.010	<0.050	201	<0.010	<0.00020	<0.010	<0.050	<0.00050	19.6	<0.0050	<0.010	1620	<0.050	<0.0020	0.114	<0.030	0.0151
BH14A	9/29/2004	2.8		2020	3512	3470	7.24	7.78	<0.10	<0.010	<0.020	0.0059	<0.10	509	<0.00050	<0.0050	<0.0050	<0.010	<0.030	0.012	0.051	183	<0.010	<0.00020	<0.010	<0.050	<0.00050	14.4	<0.0050	<0.010	1790	<0.050	<0.0020	0.119	<0.030	0.0395
BH14B	6/10/2004	3.1	368	2030	1705	3250	6.79	7.87	<0.10	<0.010	<0.020	<0.0050	<0.10	499	<0.00050	<0.0050	<0.0050	<0.010	<0.030	<0.010	<0.050	190	<0.010	<0.00020	<0.010	<0.050	<0.00050	13.3	<0.0050	<0.010	1500	<0.050	<0.0020	0.131	<0.030	0.0219
BH14B	9/29/2004	2.22		1740	3168	3140	7.17	7.95	<0.050	<0.0050	<0.020	<0.0050	<0.10	431	<0.00025	<0.0025	<0.0025	<0.0050	<0.030	<0.0050	<0.050	163	<0.010	<0.00020	<0.0050	<0.025	<0.00025	12.5	<0.0025	<0.0050	1570	<0.050	<0.0010	0.109	<0.030	0.0244
BH2	6/9/2004	3.2	35.4	488	735	1160	5.39	6.88	1.19	<0.010	0.042	<0.0050	<0.10	124	0.0704	0.022	<0.0050	<0.010	<0.030	<0.010	<0.050	43.4	1.56	<0.00020	<0.010	0.236	<0.00050	7.6	<0.0050	<0.010	599	<0.050	<0.0020	<0.0020	<0.030	45.5
BH2	9/23/2004		110	173		393		7.66	0.077	<0.0020	0.042	<0.0050	<0.10	47.4	0.0141	0.0012	<0.0010	<0.0020	0.09	0.0038	<0.050	13.4	0.026	<0.00020	<0.0020	0.038	<0.00010	4	<0.0010	<0.0020	87.6	<0.050	<0.00040	<0.00040	<0.030	9.52
BH4	9/23/2004	5	108	209	261	444	6.01	7.64	0.042	<0.0010	<0.020	<0.0050	<0.10	58	0.00236	0.00769	<0.00050	0.0043	<0.030	<0.0010	<0.050	15.5	0.095	<0.00020	<0.0010	0.0154	<0.000050	4.8	<0.00050	<0.0010	122	<0.050	<0.00020	<0.00020	<0.030	1.39
P03-01-01	6/8/2004	4.8	217	209		420	7.97	7.94	<0.010	0.0032	0.131	<0.0050	<0.10	63.1	<0.000050	<0.00050	<0.00050	<0.0010	5.08	<0.0010	<0.050	12.4	0.248	<0.00020	0.0031	<0.0050	<0.000050	7.8	<0.00050	<0.0010	24.3	<0.050	<0.00020	<0.00020	<0.030	0.0058
P03-01-01	9/21/2004	3.92	220	216	440	263	7.54	8.2	<0.010	0.0023	0.117	<0.0050	<0.10	63.8	<0.000050	<0.00050	<0.00050	<0.0010	4.93	<0.0010	<0.050	13.8	0.191	<0.00020	0.0028	<0.0050	<0.000050	7.6	<0.00050	<0.0010	18.7	<0.050	<0.00020	<0.00020	<0.030	<0.0050
P03-01-02	6/8/2004	4.8	178	295		580	8.15	8.01	<0.010	0.0012	0.188	<0.0050	<0.10	91.7	<0.000050	0.00134	<0.00050	<0.0010	0.327	<0.0010	<0.050	15.9	1.36	<0.00020	0.009	<0.0050	<0.000050	5.4	<0.00050	<0.0010	148	<0.050	<0.00020	0.00291	<0.030	<0.0050
P03-01-02	9/21/2004	4.29	179	301	595	359	7.41	8.19	<0.010	0.0012	0.193	<0.0050	<0.10	93	<0.000050	0.00196	<0.00050	<0.0010	0.313	<0.0010	<0.050	16.8	2.95	<0.00020	0.0047	<0.0050	<0.000050	6.5	<0.00050	<0.0010	96.3	<0.050	<0.00020	0.00239	<0.030	0.005
P03-01-03	6/8/2004	5.3	114	346		717	7.5	7.72	<0.010	<0.0010	0.213	<0.0050	<0.10	109	0.000123	<0.00050	<0.00050	<0.0010	0.044	<0.0010	<0.050	17.8	0.133	<0.00020	0.0013	<0.0050	<0.000050	3.5	<0.00050	<0.0010	280	<0.050	<0.00020	0.00637	<0.030	0.0067
P03-01-03	9/21/2004	4.2	124	162	343	207	7.48	8.16	<0.010	<0.0010	0.088	<0.0050	<0.10	50.7	<0.000050	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	8.7	0.085	<0.00020	<0.0010	<0.0050	<0.000050	2.9	<0.00050	<0.0010	51.9	<0.050	<0.00020	0.0046	<0.030	<0.0050
P03-01-04	6/8/2004	4.7	84.1	292		612	7.04	7.31	<0.010	<0.0010	0.094	<0.0050	<0.10	91.9	0.00012	<0.00050	<0.00050	<0.0010	0.069	<0.0010	<0.050	15.2	<0.010	<0.00020	<0.0010	<0.0050	<0.000050	4.3	<0.00050	<0.0010	243	<0.050	<0.00020	0.00105	<0.030	0.0131
P03-01-04	9/21/2004	4.03	71.7	100	228	136	7.39	7.87	<0.010	<0.0010	0.056	<0.0050	<0.10	31.5	<0.000050	<0.00050	<0.00050	<0.0010	0.041	<0.0010	<0.050	5.31	<0.010	<0.00020	<0.0010	<0.0050	<0.000050	2.7	<0.00050	<0.0010	41.2	<0.050	<0.00020	0.00022	<0.030	0.0068
P03-01-05	6/8/2004	5.1	72.7	316		655	7.2	7.31	<0.010	<0.0010	0.109	<0.0050	<0.10	99	0.000115	0.00139	<0.00050	<0.0010	0.372	<0.0010	<0.050	16.8	0.268	<0.00020	<0.0010	0.0062	<0.000050	4.3	<0.00050	<0.0010	275	<0.050	<0.00020	0.00058	<0.030	0.0214
P03-01-05	9/21/2004	3.88	86.4	163	363	217	7.02	7.83	<0.010	<0.0010	0.072	<0.0050	<0.10	50.7	0.000229	0.00072	<0.00050	<0.0010	0.084	<0.0010	<0.050	8.93	0.2	<0.00020	<0.0010	<0.0050	<0.000050	3.9	<0.00050	<0.0010	95.5	<0.050	<0.00020	0.00044	<0.030	0.0117
P03-01-06	6/8/2004	4.5	15.2	190		858	6.85	5.82	0.033	0.0509	0.113	<0.0050	<0.10	49.6	<0.00010	0.0569	<0.0010	<0.0020	126	0.0143	<0.050	16	6.14	<0.00020	0.0091	0.086	<0.00010	35.6	0.0092	<0.0020	441	<0.050	<0.00040	<0.00040	<0.030	4.68
P03-01-06	9/21/2004	4.1	19.9	200	968	582	6.64	6.35	0.025	0.0096	0.098	<0.0050	<0.10	55.1	<0.00010	0.069	<0.0010	<0.0020	144	0.0031	<0.050	15.2	7.65	<0.00020	<0.0020	0.064	<0.00010	26.3	<0.0010	<0.0020	454	<0.050	<0.00040	<0.00040	<0.030	5.55
P03-01-07	6/8/2004	5.6	102	183		847	7.96	6.98	<0.020	0.0026	0.021	<0.0050	<0.10	47	<0.00010	0.0038	<0.0010	<0.0020	57.4	<0.0020	<0.050	16	3.18	<0.00020	0.0505	<0.010	<0.00010	89.8	0.004	<0.0020	322	<0.050	<0.00040	<0.00040	<0.030	1.71
P03-01-07	9/21/2004	4.47	8.8	1040	11299	6869	6.22	3.88	<0.50	<0.050	<0.10	<0.025	<0.50	156	<0.0025	<0.025	<0.025	<0.050	3220	<0.050	<0.25	158	19.9	<0.00020	0.126	<0.25	<0.0025	407	<0.025	<0.050	8360	<0.25	<0.010	<0.010	<0.15	189
P03-01-08	6/8/2004	5.9					7.96																													
P03-01-08	9/21/2004	4.56	<1.0	3840	18508	11283	6.19	3.14	<2.0	<0.20	<0.40	<0.10	<2.0	464	<0.010	<0.10	<0.10	<0.20	17400	<0.20	<1.0	651	105	<0.00020	<0.20	<1.0	<0.010	657	<0.10	<0.20	37300	<1.0	<0.040	<0.040	<0.60	1490
P03-01-09	6/8/2004	9.8		3660			4.82		<5.0	<0.50	<0.40	<0.10	<2.0	428	<0.025	<0.25	<0.25	<0.50	20900	<0.50	<1.0	630	125	<0.00020	<0.50	<2.5	<0.025	490	<0.25	<0.50		<1.0	<0.10	<0.10	<1.0	2330
P03-01-09	9/21/2004		<1.0	4060		27800		3.08	8	<0.20	<0.40	<0.10	<2.0	450	<0.010	<0.10	<0.10	<0.20	21000	1.26	<1.0	714	121	0.00028	<0.20	<1.0	0.016	588	<0.10	<0.20	44500	<1.0	<0.040	<0.040	<0.60	2220
P03-02-01	6/10/2004	3.8	143	172	172	378	6.67	8.03	<0.010	<0.0010	0.088	<0.0050	<0.10	54.4	<0.000050	0.00068	<0.00050	<0.0010	0.291	<0.0010	<0.050	8.89	0.842	<0.00020	0.0031	<0.0050	<0.000050	3.3	<0.00050	<0.0010	54.9	<0.050	<0.00020	0.00119	<0.030	0.0062
P03-02-01	9/22/2004	3.4	147	196	417	245	7.63	8.22	<0.010	<0.0010	0.096	<0.0050	<0.10	62.3	<0.000050	0.00073	<0.00050	<0.0010	0.138	<0.0010	<0.050	9.89	0.837	<0.00020	0.0023	<0.0050	<0.000050	3.3	<0.00050	<0.0010	72.5	<0.050	<0.00020	0.00125	<0.030	<0.0050
P03-02-02	6/10/2004	3.6	87.8	120	156	271	6.57	7.78	<0.010	<0.0010	0.087	<0.0050	<0.10	36.8	<0.000050	<0.00050	<0.00050	<0.0010	0.089	<0.0010	<0.050	6.88	0.013	<0.00020	<0.0010	<0.0050	<0.000050	2.6	<0.00050	<0.0010	46.5	<0.050	<0.00020	0.00069	<0.030	0.0062
P03-02-02	9/22/2004	3.69	92.9	164	362	215	7.36	7.95	<0.010	<0.0010	0.109	<0.0050	<0.10	50.5	<0.000050	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	9.3	<0.010	<0.00020	<0.0010	<0.0050	<0.000050	3.1	<0.00050	<0.0010	83.2	<0.050	<0.00020	0.00082	<0.030	<0.0050
P03-02-03	6/10/2004	3.8	81.7	124	172	285	6.61	7.77	<0.010	<0.0010	0.092	<0.0050	<0.10	38.3	<0.000050	<0.00050	<0.00050	<0.0010	0.147	<0.0010	<0.050	6.93	0.013	<0.00020	<0.0010	<0.0050	<0.000050	2.6	<0.00050	<0.0010	58.6	<0.050	<0.00020	0.00061	<0.030	0.0086
P03-02-03	9/22/2004	4.18	81.8	183	404	243	7.23	7.85	<0.010	<0.0010	0.132	<0.0050	<0.10	56.6	<0.000050	<0.00050	<0.00050	<0.0010	0.268	<0.0010	<0.050	10.2	0.01	<0.00020	<0.0010	<0.0050	<0.000050	3.2	<0.00050	<0.0010	116	<0.050	<0.00020	0.00055	<0.030	0.0109
P03-02-04	6/10/2004	4	61.5	189	923	472	6.07	7.54	0.012	0.0011	0.052	<0.0050	<0.10	60.2	<0.000050	0.00426	<0.00050	<0.0010	0.93	<0.0010	<0.050	9.51	6.92	<0.00020	0.0012	0.025	<0.000050	6.9	<0.00050	<0.0010	176	<0.050	<0.00020	0.00038	<0.030	0.0304
P03-02-04	9/22/2004	3.96	56.1	267	615	368	6.76	7.59	<0.020	0.0042	0.059	<0.0050	<0.10	84	0.00027	0.0064	<0.0010	<0.0020	0.817	<0.0020	<0.050	13.8	9.4	<0.00020	0.0027	0.062	<0.00010	6.9	<0.0010	<0.0020	249	<0.050	<0.00040	<0.00040	<0.030	0.0765
P03-02-05	6/10/2004	5	381	1360	272	3280		7.75	<0.10	0.011	0.033	<0.0050	<0.10	244	<0.00050	<0.0050	<0.0050	<0.010	72.8	<0.010	0.101	183	14	<0.00020	0.025	<0.050	<0.00050	356	<0.0050	<0.010	1820	<0.050	<0.0020	0.011	<0.030	0.0054
P03-02-05	9/22/2004	4.19	91.3	2050	5201	3134	5.87	6.38	<0.10	<0.010	0.04	<0.0050	<0.10	355	<0.00050	<0.0050	<0.0050	<0.010	285	<0.010	0.132	282	18.1	<0.00020	0.017	<0.050	<0.00050	376	<0.0050	<0.010	4040	<0.050	<0.0020	0.011	<0.030	0.0118
P03-02-06	6/10/2004	6.9	16.8	2170	9780	5430	6.73	4.84	<0.20	<0.020	<0.020	<0.0050	<0.20	325	<0.0010	<0.010	<0.010	<0.020	288	<0.020	0.202	330	5.51	<0.00020	<0.020	<0.10	<0.0010	457	0.011	<0.020	3980	<0.050	<0.0040	<0.0040	<0.030	0.0261
P03-02-06	9/22/2004	4.58	4.6	2340	6479	3952	6.15	3.85	<0.20	<0.020	<0.020	<0.0050	<0.10	336	<0.0010	<0.010	<0.010	<0.020	761	<0.020	0.217	365	8.52	<0.00020	<0.020	<0.10	<0.0010	417	<0.010	<0.020	5160	<0.050	<0.0040	<0.0040	<0.030	0.0081
P03-03-01	6/10/2004	3.9	279	244	168	487	6.92	8.02	<0.010	0.003	0.24	<0.0050	<0.10	72.1	<0.000050	<0.00050	<0.00050	<0.0010	3.73	<0.0010	<0.050	15.5	0.163	<0.00020	0.0022	<0.0050	<0.000050	10.1	<0.00050	<0.0010	3.2	<0.050	<0.00020	0.00028	<0.030	0.0085
P03-03-01	9/25/2004		292	251		493		8.19	<0.010	0.0022	0.243	<0.0050	<0.10	74.3	<0.000050	<0.00050	<0.00050	<0.0010	2.73	<0.0010	<0.050	16	0.167	<0.00020	0.0021	<0.0050	<0.000050	10.4	<0.00050	<0.0010	2.9	<0.050	<0.00020	<0.00020	<0.030	0.0058
P03-03-02	6/10/2004	4	4.6	590	1186	2500	4.17	4.75	3.07	<0.050	<0.020	<0.0050	<0.10	148	0.021	0.241	<0.025	0.062	553	<0.050	<0.050	53.6	22.7	<0.00020	<0.050	0.31	<0.0025	16.3	<0.025	<0.050	1860	<0.050	<0.010	<0.010	<0.030	148
P03-03-02	9/25/2004		4.3	381		1940		4.8	1.63	<0.020	<0.020	<0.0050	<0.10	95.8	0.0134	0.163	<0.010	0.04	385	<0.020	<0.050	34.5	15	<0.00020	<0.020	0.21	<0.0010	11.5	<0.010	<0.020	1360	<0.050	<0.0040	<0.0040	<0.030	101
P03-03-03	6/10/2004	3.8	8.8	227	927	593	4.78	6.24	0.064	<0.0020	<0.020	<0.0050	<0.10	66.6	0.0054	0.195	<0.0010	<0.0020	10.9	<0.0020	0.053	14.7	13.1	<0.00020	<0.0020	0.222	<0.00010	7.2	<0.0010	<0.0020	289	<0.050	<0.00040	<0.00040	<0.030	7.32
P03-03-03	9/25/2004		10.1	293		730		6.34	0.112	<0.0050	<0.020	<0.0050	<0.10	86.2	0.00702	0.248	<0.0025	<0.0050	20.6	<0.0050	<0.050	19	16.3	<0.00020	<0.0050	0.278	<0.00025	8.1	<0.0025	<0.0050	387	<0.050	<0.0010	<0.0010	<0.030	10.6
P03-03-04	6/10/2004	4.3	27.3	241	934	657	5.3	6.74	<0.050	<0.0050	0.054	<0.0050	<0.10	71.5	0.00125	0.14	<0.0025	<0.0050	19.2	<0.0050	0.053	15.2	16.1	<0.00020	<0.0050	0.128	<0.00025	10.7	<0.0025	<0.0050	310	<0.050	<0.0010	<0.0010	<0.030	2.23
P03-03-04	9/25/2004		37.2	369		890		6.76	<0.050	<0.0050	0.076	<0.0050	<0.10	110	0.00117	0.163	<0.0025	<0.0050	25.1	<0.0050	<0.050	22.8	24.4	<0.00020	<0.0050	0.143	<0.00025	14.8	<0.0025	<0.0050	470	<0.050	<0.0010	<0.0010	<0.030	2.87
P03-03-05	6/10/2004	4.1	98.6	387	663	912	6.12	7.37	<0.10	<0.010	0.118	<0.0050	<0.10	119	<0.00050	0.0112	<0.0050	<0.010	19.2	<0.010	<0.050	21.9	31.5	<0.00020	<0.010	<0.050	<0.00050	31	<0.0050	<0.010	388	<0.050	<0.0020	<0.0020	<0.030	0.0224
P03-03-05	9/25/2004		95.9	410		1010		7.42	<0.10	<0.010	0.123	<0.0050	<0.10	125	<0.00050	0.0218	<0.0050	<0.010	22.1	<0.010	<0.050	23.6	33.7	<0.00020	<0.010	<0.050	<0.00050	25.7	<0.0050	<0.010	484	<0.050	<0.0020	<0.0020	<0.030	0.0327
P03-03-06	6/10/2004	5.9	78.5	439	883	1190	6.95	7.56	<0.050	<0.0050	<0.020	<0.0050	<0.10	133	<0.00025	<0.0025	<0.0025	<0.0050	20.8	<0.0050	<0.050	25.9	2.86	<0.00020	0.0094	<0.025	<0.00025	103	<0.0025	<0.0050	545	<0.050	<0.0010	<0.0010	<0.030	0.0066
P03-03-06	9/25/2004		117	399		1030		7.96	<0.020	0.0041	<0.020	<0.0050	<0.10	118	<0.00010	<0.0010	<0.0010	<0.0020	12.3	<0.0020	<0.050	25.2	1.93	<0.00020	0.0119	<0.010	<0.00010	54.2	0.0052	<0.0020	463	<0.050	<0.00040	<0.00040	<0.030	0.0088
P03-03-07	6/10/2004	5.4	10.7	1160	1114	4050	6.62	4.71	<0.10	<0.010	<0.020	<0.0050	<0.10	254	<0.00050	<0.0050	<0.0050	<0.010	299	<0.010	0.086	128	5.14	<0.00020	<0.010	<0.050	<0.00050	252	0.0064	<0.010	2860	<0.050	<0.0020	<0.0020	<0.030	0.102
P03-03-08	6/10/2004	7.4	5.4	1900	2258	11700	5.98	3.94	<1.0	<0.10	<0.10	<0.025	<0.50	426	<0.0050	<0.050	<0.050	<0.10	3420	0.12	<0.25	202	50	<0.00020	<0.10	<0.50	<0.0050	193	<0.050	<0.10	13300	<0.25	<0.020	<0.020	<0.15	114
P03-04-01	6/9/2004	7.4	251	773		1820	6.97	7.76	<0.050	<0.0050	<0.020	<0.0050	<0.10	246	<0.00025	<0.0025	<0.0025	<0.0050	3.78	<0.0050	<0.050	38.5	1.17	<0.00020	<0.0050	<0.025	<0.00025	90.9	<0.0025	<0.0050	895	<0.050	<0.0010	0.0063	<0.030	0.0059
P03-04-01	8/3/2004	8.05	263	877	1221	1800	6.96	7.8	<0.050	<0.0050	<0.020	<0.0050	<0.10	280	<0.00025	<0.0025	<0.0025	<0.0050	3.82	<0.0050	<0.050	43.4	1.18	<0.00020	<0.0050	<0.025	<0.00025	105	<0.0025	<0.0050	879	<0.050	<0.0010	0.007	<0.030	0.0062
P03-04-01	9/24/2004	6.84	259	910	1826	1192	7.42	8.09	<0.050	<0.0050	<0.020	<0.0050	<0.10	288	<0.00025	<0.0025	<0.0025	<0.0050	4.2	<0.0050	<0.050	46.6	1.25	<0.00020	<0.0050	<0.025	<0.00025	106	<0.0025	<0.0050	908	<0.050	<0.0010	0.0069	<0.030	0.0301
P03-04-02	6/9/2004	5.7	144	652		1450	5.97	7.43	<0.10	<0.010	0.024	<0.0050	<0.10	194	<0.00050	0.0621	<0.0050	<0.010	0.244	<0.010	<0.050	40.6	26.6	<0.00020	<0.010	0.104	<0.00050	35.7	<0.0050	<0.010	768	<0.050	<0.0020	<0.0020	<0.030	0.0291
P03-04-02	8/3/2004	7.34	127	730	968	1460	6.08	7.02	<0.10	<0.010	0.021	<0.0050	<0.10	215	<0.00050	0.0762	<0.0050	<0.010	0.302	<0.010	<0.050	46.8	28.3	<0.00020	<0.010	0.129	<0.00050	39.8	<0.0050	<0.010	758	<0.050	<0.0020	<0.0020	<0.030	0.0372
P03-04-02	9/24/2004	5.94	115	754	1435	913	7.82	7.3	<0.10	<0.010	0.021	<0.0050	<0.10	218	<0.00050	0.0734	<0.0050	<0.010	0.303	<0.010	<0.050	50.6	30.9	<0.00020	<0.010	0.118	<0.00050	39.5	<0.0050	<0.010	787	<0.050	<0.0020	<0.0020	<0.030	0.0614
P03-04-02	11/18/2004		110	704		1370		7.28	<0.10	<0.010	<0.020	<0.0050	<0.10	205	<0.00050	0.0705	<0.0050	<0.010	0.221	<0.010	<0.050	46.9	28.2	<0.00020	<0.010	0.112	<0.00050	36.5	<0.0050	<0.010	684	<0.050	<0.0020	<0.0020	<0.030	0.0388
P03-04-03	6/9/2004	6.1	91	581		1360	5.79	7.1	<0.10	<0.010	0.021	<0.0050	<0.10	169	<0.00050	0.065	<0.0050	<0.010	0.837	<0.010	<0.050	38.9	26.1	<0.00020	<0.010	0.108	<0.00050	34.7	<0.0050	<0.010	744	<0.050	<0.0020	<0.0020	<0.030	0.0445
P03-04-03	8/3/2004	7.46	94.2	648	912	1370	6.03	6.63	<0.10	<0.010	0.023	<0.0050	<0.10	189	<0.00050	0.068	<0.0050	<0.010	0.826	<0.010	<0.050	43.1	27	<0.00020	<0.010	0.119	<0.00050	38.7	<0.0050	<0.010	724	<0.050	<0.0020	<0.0020	<0.030	0.0326
P03-04-03	9/24/2004	6	91.6	675	1378	878	7.66	7.31	<0.10	<0.010	0.021	<0.0050	<0.10	193	<0.00050	0.0623	<0.0050	<0.010	0.747	<0.010	<0.050	46.7	29.5	<0.00020	<0.010	0.105	<0.00050	38.9	<0.0050	<0.010	705	<0.050	<0.0020	<0.0020	<0.030	0.0542
P03-04-04	6/9/2004	6.6	198	347		1090	7.02	7.9	<0.020	0.0061	0.054	<0.0050	<0.10	112	<0.00010	0.0039	<0.0010	<0.0020	3.3	<0.0020	<0.050	16	4.35	<0.00020	0.0047	<0.010	<0.00010	76.3	<0.0010	<0.0020	409	<0.050	<0.00040	0.00244	<0.030	0.0059
P03-04-04	8/3/2004	7.07	207	365	713	1070	6.81	7.34	<0.020	0.0048	0.052	<0.0050	<0.10	120	<0.00010	0.0025	<0.0010	<0.0020	3.07	<0.0020	<0.050	16	3.24	<0.00020	0.0043	<0.010	<0.00010	90.4	<0.0010	<0.0020	390	<0.050	<0.00040	0.00235	<0.030	0.0071
P03-04-04	9/24/2004	5.8	210	419	1123	711	7.38	8.05	<0.020	0.0049	0.06	<0.0050	<0.10	136	<0.00010	0.0032	<0.0010	<0.0020	4.29	<0.0020	<0.050	19.3	3.99	<0.00020	0.0037	<0.010	<0.00010	98	<0.0010	<0.0020	414	<0.050	<0.00040	0.00223	<0.030	0.0134
P03-04-04	11/18/2004		203	400		1060		7.9	<0.020	0.0048	0.053	<0.0050	<0.10	131	<0.00010	0.0023	<0.0010	<0.0020	3.7	<0.0020	<0.050	17.5	3.03	<0.00020	0.0033	<0.010	<0.00010	97	<0.0010	<0.0020	371	<0.050	<0.00040	0.00216	<0.030	0.0064
P03-04-05	6/9/2004	8.4	127	654		1380	6.13	7.23	<0.10	<0.010	0.057	<0.0050	<0.10	194	<0.00050	0.0208	<0.0050	<0.010	23.8	<0.010	<0.050	41.5	30.5	<0.00020	<0.010	<0.050	<0.00050	29.6	<0.0050	<0.010	726	<0.050	<0.0020	<0.0020	<0.030	0.0718
P03-04-05	8/3/2004	7.97	137	654	951	1300	6.34	6.98	0.57	<0.010	0.057	<0.0050	<0.10	193	<0.00050	0.0227	<0.0050	<0.010	21.6	<0.010	<0.050	41.4	28.8	<0.00020	<0.010	<0.050	<0.00050	32.8	<0.0050	<0.010	652	<0.050	<0.0020	<0.0020	<0.030	0.0924
P03-04-05	9/24/2004	5.65	131	670	1588	1001	7.22	7.7	<0.10	<0.010	0.06	<0.0050	<0.10	197	<0.00050	0.0209	<0.0050	<0.010	23	<0.010	<0.050	43.2	30.6	<0.00020	<0.010	<0.050	<0.00050	32.4	<0.0050	<0.010	666	<0.050	<0.0020	<0.0020	<0.030	0.109
P03-04-06	6/9/2004	3.9	30.3	1460	3377	5360	5.84	5.36	<0.50	<0.050	<0.040	<0.010	<0.20	424	<0.0025	0.046	<0.025	<0.050	1480	<0.050	<0.10	98	16.6	<0.00020	<0.050	<0.25	<0.0025	115	<0.025	<0.050	4550	<0.10	<0.010	<0.010	<0.060	6.48
P03-04-06	8/3/2004	769	4.5	1420	3981	6620	3.07	3.92	<0.50	<0.050	<0.060	<0.015	<0.30	436	<0.0025	<0.025	<0.025	<0.050	2770	<0.050	<0.15	80.3	16.6	<0.00020	<0.050	<0.25	<0.0025	64.5	<0.025	<0.050	6230	<0.15	<0.010	<0.010	<0.090	2.32
P03-04-06	9/24/2004	5.27	18.2	1550	8638	5383	7.25	4.08	<0.50	<0.050	<0.10	<0.025	<0.50	405	<0.0025	<0.025	<0.025	<0.050	4240	<0.050	<0.25	130	37.4	<0.00020	<0.050	<0.25	<0.0025	39	<0.025	<0.050	10100	<0.25	<0.010	<0.010	<0.15	5.9
P03-04-07	6/9/2004	4.2	23	1500	3814	5280	6.17	5.23	<0.50	<0.050	<0.040	<0.010	<0.20	430	<0.0025	0.051	<0.025	<0.050	1470	<0.050	<0.10	102	16	<0.00020	<0.050	<0.25	<0.0025	122	<0.025	<0.050	4350	<0.10	<0.010	<0.010	<0.060	4.09
P03-04-07	8/3/2004	7.65	9	1440	3647	6210	6.1	4.11	<0.50	<0.050	<0.060	<0.015	<0.45	445	<0.0025	<0.025	<0.025	<0.050	2550	<0.050	<0.15	79.8	14.8	<0.00020	<0.050	<0.25	<0.0025	65	<0.025	<0.050	5700	<0.15	<0.010	<0.010	<0.090	2.02
P03-04-07	9/24/2004	5.89	8.1	1540	6970	4426	6.58	3.93	<0.50	<0.050	<0.10	<0.025	<0.50	429	<0.0025	<0.025	<0.025	<0.050	3710	<0.050	<0.25	115	29.2	<0.00020	<0.050	<0.25	<0.0025	50	<0.025	<0.050	8300	<0.25	<0.010	<0.010	<0.15	4.16
P03-04-08	6/9/2004	4.8	14.2	1170	4125	6640	5.94	4.71	<0.50	<0.050	<0.060	<0.015	<0.40	381	<0.0025	<0.025	<0.025	<0.050	2760	<0.050	<0.15	52.5	17.3	<0.00020	<0.050	<0.25	<0.0025	46	<0.025	<0.050	6120	<0.15	<0.010	<0.010	<0.10	2.06
P03-04-08	8/3/2004	7.35	5.3	1410	5069	8220	5.98	3.83	<0.50	<0.050	<0.10	<0.025	<0.50	434	<0.0025	<0.025	<0.025	<0.050	4070	<0.050	<0.25	78.4	26.2	<0.00020	<0.050	<0.25	<0.0025	26	<0.025	<0.050	8350	<0.25	<0.010	<0.010	<0.15	3.92
P03-04-08	9/24/2004	5.96	9.8	1460	8478	5395	6.51	4.15	<0.50	<0.050	<0.10	<0.025	<0.50	404	<0.0025	<0.025	<0.025	<0.050	4450	<0.050	<0.25	109	33.7	<0.00020	<0.050	<0.25	<0.0025	16	<0.025	<0.050	9410	<0.25	<0.010	<0.010	<0.15	2.73
P03-04-09	9/24/2004			1420					<0.50	<0.050	<0.10	<0.025	<0.50	461	<0.0025	<0.025	<0.025	<0.050	3750	<0.050	<0.25	65.6	20.7	<0.00020	<0.050	<0.25	<0.0025	17	<0.025	<0.050		<0.25	<0.010	<0.010	<0.15	0.178
P03-05-01	6/9/2004	5.8	170	713		1360	7.01	7.81	<0.050	<0.0050	0.043	<0.0050	<0.10	218	<0.00025	<0.0025	<0.0025	<0.0050	5.86	<0.0050	<0.050	41	0.389	<0.00020	<0.0050	<0.025	<0.00025	26.1	<0.0025	<0.0050	668	<0.050	<0.0010	<0.0010	<0.030	0.0058
P03-05-01	9/22/2004	4.7	174	693	1440	881	6.9	7.85	<0.050	<0.0050	0.039	<0.0050	<0.10	211	<0.00025	<0.0025	<0.0025	<0.0050	7.68	<0.0050	<0.050	40.6	0.375	<0.00020	<0.0050	<0.025	<0.00025	25.4	<0.0025	<0.0050	688	<0.050	<0.0010	<0.0010	<0.030	0.0065
P03-05-02	6/9/2004	6	128	477		971	6.54	7.59	<0.050	<0.0050	0.129	<0.0050	<0.10	146	<0.00025	0.0071	<0.0025	<0.0050	6.27	<0.0050	<0.050	27.4	12.1	<0.00020	<0.0050	<0.025	<0.00025	10.2	<0.0025	<0.0050	412	<0.050	<0.0010	0.0042	<0.030	0.0058
P03-05-02	9/22/2004	4.51	127	455	987	601	7.17	7.86	<0.020	0.0051	0.12	<0.0050	<0.10	138	<0.00010	0.0066	<0.0010	<0.0020	6.77	<0.0020	<0.050	26.9	11.5	<0.00020	<0.0020	0.014	<0.00010	10.4	<0.0010	<0.0020	410	<0.050	<0.00040	0.004	<0.030	0.0065
P03-05-03	6/9/2004	4.8	143	419		884	6.65	7.73	<0.050	<0.0050	0.162	<0.0050	<0.10	129	<0.00025	0.0041	<0.0025	<0.0050	1.05	<0.0050	<0.050	23.8	11.9	<0.00020	<0.0050	<0.025	<0.00025	10.4	<0.0025	<0.0050	335	<0.050	<0.0010	0.0052	<0.030	<0.0050
P03-05-03	9/22/2004	4.64	146	397	787	481	6.96	7.9	<0.020	<0.0020	0.147	<0.0050	<0.10	121	<0.00010	0.0037	<0.0010	<0.0020	1.48	<0.0020	<0.050	22.8	10.9	<0.00020	<0.0020	<0.010	<0.00010	10.9	<0.0010	<0.0020	314	<0.050	<0.00040	0.00488	<0.030	0.0777

Table 5. Summary of 2004 Water Quality Data, Faro Mine, Yukon

Well ID	Date Sampled	Temp. (field) (C)	Alkalinity (Total) as $CaCO_3$	Hardness ($CaCO_3$)	Sp. Cond. (field) (µS/cm)	Sp. Cond. (lab) (µS/cm)	pH (field)	pH (lab)	Aluminium	Arsenic	Barium	Beryllium	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Silver	Sodium	Antimony	Selenium	Sulfate	Titanium	Thalium	Uranium	Vanadium	Zinc
P03-05-04	6/9/2004	4.8	150	395		896	6.62	7.73	<0.050	<0.0050	0.167	<0.0050	<0.10	121	<0.00025	0.0045	<0.0025	<0.0050	0.103	<0.0050	<0.050	22.5	11.9	<0.00020	<0.0050	<0.025	<0.00025	9.8	<0.0025	<0.0050	343	<0.050	<0.0010	0.0059	<0.030	<0.0050
P03-05-04	9/22/2004	4.32	153	419	866	524	6.91	7.93	<0.020	<0.0020	0.172	<0.0050	<0.10	128	<0.00010	0.0041	<0.0010	<0.0020	0.494	0.0024	<0.050	24.1	12.2	<0.00020	<0.0020	<0.010	<0.00010	11.2	<0.0010	<0.0020	336	<0.050	<0.00040	0.00571	<0.030	0.0469
P03-05-05	6/9/2004	5	13.9	539		1430	6.55	5.71	<0.10	0.017	0.023	<0.0050	<0.10	136	<0.00050	0.0065	<0.0050	<0.010	142	<0.010	<0.050	48.2	16.5	<0.00020	<0.010	<0.050	<0.00050	33.5	<0.0050	<0.010	866	<0.050	<0.0020	<0.0020	<0.030	<0.0050
P03-05-05	9/22/2004	5.1	48.6	694	1846	1660	6.34	6.43	<0.050	0.0111	0.024	<0.0050	<0.10	173	<0.00025	0.0069	<0.0025	<0.0050	178	<0.0050	<0.050	63.5	20.2	<0.00020	<0.0050	<0.025	<0.00025	45.3	<0.0025	<0.0050	1050	<0.050	<0.0010	0.0013	<0.030	0.0289
P03-05-06	6/9/2004	5.6	83.4	896		2610	6.94	7.26	<0.050	<0.0050	<0.020	<0.0050	<0.10	140	<0.00025	<0.0025	<0.0025	<0.0050	21.7	<0.0050	<0.050	133	0.401	<0.00020	<0.0050	<0.025	<0.00025	229	<0.0025	<0.0050	1550	<0.050	<0.0010	<0.0010	<0.030	0.0104
P03-05-06	9/22/2004	4.81	115	1040	2684	2860	5.83	7.82	<0.050	<0.0050	<0.020	<0.0050	<0.10	157	<0.00025	<0.0025	<0.0025	<0.0050	10.8	<0.0050	<0.050	158	0.12	<0.00020	0.0063	<0.025	<0.00025	283	<0.0025	<0.0050	1720	<0.050	<0.0010	<0.0010	<0.030	0.02
P03-05-07	6/9/2004	25	5.6	1990		7190	5.98	3.91	<0.50	<0.050	<0.060	<0.015	<0.30	246	<0.0025	<0.025	<0.025	<0.050	2000	0.066	<0.15	333	28.7	<0.00020	<0.050	<0.25	<0.0025	247	<0.025	<0.050	6300	<0.15	<0.010	<0.010	<0.090	0.086
P03-05-07	9/22/2004	4.78	13.7	2340	7176	7320	6.22	4.28	<0.20	<0.020	<0.060	<0.015	<0.30	282	<0.0010	<0.010	<0.010	<0.020	2270	0.055	<0.15	397	30	<0.00020	<0.020	<0.10	<0.0010	272	<0.010	<0.020	6750	<0.15	<0.0040	<0.0040	<0.090	0.849
P03-05-08	6/9/2004		10.3	1530		5500		4.07	<0.50	<0.050	<0.040	<0.010	<0.20	195	<0.0025	<0.025	<0.025	<0.050	1090	0.101	0.11	254	15.1	<0.00020	<0.050	<0.25	<0.0025	292	<0.025	<0.050	4330	<0.10	<0.010	<0.010	<0.060	0.146
P03-05-08	9/22/2004	4.85	14.5	1840	5680	6230	5.98	4.36	<0.20	<0.020	<0.040	<0.010	<0.20	236	<0.0010	<0.010	<0.010	<0.020	1530	0.17	<0.10	303	19.9	<0.00020	<0.020	<0.10	<0.0010	287	<0.010	<0.020	5440	<0.10	<0.0040	<0.0040	<0.060	0.266
P03-06-01	6/10/2004	5	174	697	400	1420	6.26	7.51	<0.050	<0.0050	0.073	<0.0050	<0.10	197	<0.00025	0.0152	<0.0025	<0.0050	0.213	<0.0050	<0.050	50	12.7	<0.00020	<0.0050	<0.025	<0.00025	41.9	<0.0025	<0.0050	705	<0.050	<0.0010	0.0188	<0.030	0.103
P03-06-01	9/22/2004	4.95	176	798	1519	937	6.89	7.85	<0.050	<0.0050	0.082	<0.0050	<0.10	221	<0.00025	0.016	<0.0025	<0.0050	0.315	<0.0050	<0.050	59.5	15.7	<0.00020	<0.0050	<0.025	<0.00025	40.9	<0.0025	<0.0050	746	<0.050	<0.0010	0.0143	<0.030	0.137
P03-06-02	6/10/2004	3.7	175	762	430	1490	6.38	7.57	<0.050	<0.0050	0.084	<0.0050	<0.10	212	<0.00025	0.0156	<0.0025	<0.0050	0.29	<0.0050	<0.050	56.3	14.9	<0.00020	<0.0050	<0.025	<0.00025	37	<0.0025	<0.0050	763	<0.050	<0.0010	0.0157	<0.030	0.179
P03-06-02	9/22/2004	4.81	162	784	1499	921	6.76	7.83	<0.050	<0.0050	0.082	<0.0050	<0.10	216	<0.00025	0.0239	<0.0025	<0.0050	2.12	<0.0050	<0.050	59.6	16.5	<0.00020	<0.0050	<0.025	<0.00025	38.6	<0.0025	<0.0050	780	<0.050	<0.0010	0.0117	<0.030	0.2
P03-06-03	6/10/2004	3.7	138	862	660	1650	6.2	7.19	<0.050	<0.0050	0.041	<0.0050	<0.10	237	0.0032	0.178	<0.0025	<0.0050	27.9	<0.0050	<0.050	65.9	29.9	<0.00020	<0.0050	0.306	<0.00025	26	<0.0025	<0.0050	907	<0.050	<0.0010	0.0063	<0.030	0.436
P03-06-03	9/22/2004	4.05	151	471	983	590	6.82	7.81	<0.020	<0.0020	0.049	<0.0050	<0.10	131	<0.00010	0.0074	<0.0010	<0.0020	15.4	<0.0020	<0.050	34.8	10.5	<0.00020	0.004	0.012	<0.00010	21.5	<0.0010	<0.0020	386	<0.050	<0.00040	0.0228	<0.030	1.24
P03-06-04	6/10/2004	4.3	134	380	242	875	6.44	7.45	<0.020	<0.0020	0.042	<0.0050	<0.10	105	<0.00010	0.0066	<0.0010	<0.0020	21.8	<0.0020	<0.050	28.3	8.4	<0.00020	0.0046	0.012	<0.00010	18.6	<0.0010	<0.0020	336	<0.050	<0.00040	0.0209	<0.030	1.49
P03-06-04	9/22/2004	4.06	150	476	986	591	6.65	7.84	<0.020	<0.0020	0.049	<0.0050	<0.10	133	<0.00010	0.0072	<0.0010	<0.0020	16.4	<0.0020	<0.050	35.1	10.7	<0.00020	0.004	0.012	<0.00010	22.1	<0.0010	<0.0020	399	<0.050	<0.00040	0.0233	<0.030	1.3
P03-06-05	6/10/2004	4.7	26.8	153	265	662	6.35	5.91	<0.050	0.0119	<0.020	<0.0050	<0.10	41.5	<0.00025	<0.0025	<0.0025	<0.0050	163	<0.0050	<0.050	12	3.67	<0.00020	<0.0050	<0.025	<0.00025	19.2	0.0028	<0.0050	331	<0.050	<0.0010	<0.0010	<0.030	0.0745
P03-06-05	9/22/2004	4.28	30.4	591	1826	1103	6.59	6.06	<0.050	0.0117	<0.020	<0.0050	<0.10	128	<0.00025	<0.0025	<0.0025	<0.0050	323	<0.0050	<0.050	65.8	17.1	<0.00020	<0.0050	<0.025	<0.00025	37.1	<0.0025	<0.0050	1160	<0.050	<0.0010	0.0018	<0.030	9.77
P03-07-02	6/10/2004	4.3	80.6	1500	148	2690	6.02	6.67	<0.20	<0.020	<0.020	<0.0050	<0.10	402	<0.0010	0.381	<0.010	<0.020	99.5	<0.020	<0.050	121	63.2	<0.00020	<0.020	0.48	<0.0010	26	<0.010	<0.020	1870	<0.050	<0.0040	<0.0040	<0.060	1.41
P03-07-03	6/10/2004	4.3	32.9	450	1179	1810	6.48	6	<0.050	<0.0050	<0.020	<0.0050	0.13	118	<0.00025	0.0807	<0.0025	<0.0050	65.8	<0.0050	0.068	37.7	10.9	<0.00020	0.0186	0.076	<0.00025	212	<0.0025	<0.0050	1000	<0.050	<0.0010	0.0028	<0.030	0.123
P03-07-08	6/10/2004		161	566	779	1340	7	7.64	<0.020	0.0034	0.022	<0.0050	<0.10	151	<0.00010	0.0024	<0.0010	<0.0020	9.63	<0.0020	<0.050	45.7	7.54	<0.00020	0.0059	<0.010	<0.00010	63.6	<0.0010	<0.0020	613	<0.050	<0.00040	0.0109	<0.030	0.0114
P03-08-01	6/8/2004	5.3	244	254		492	7.47	8.08	<0.010	<0.0010	0.077	<0.0050	<0.10	62.9	<0.000050	0.00065	<0.00050	<0.0010	0.075	<0.0010	<0.050	23.5	0.196	<0.00020	<0.0010	<0.0050	<0.000050	2.6	<0.00050	<0.0010	35.8	<0.050	<0.00020	0.00286	<0.030	0.0072
P03-08-01	8/4/2004	4.34	240	257	29	479	7.15	7.92	<0.010	<0.0010	0.081	<0.0050	<0.10	65.4	<0.000050	0.00052	<0.00050	<0.0010	0.137	<0.0010	<0.050	22.9	0.154	<0.00020	0.001	<0.0050	<0.000050	2.7	<0.00050	<0.0010	31.8	<0.050	<0.00020	0.00291	<0.030	<0.0050
P03-08-01	9/24/2004	4.72	231	301	480	294	8.23	8.11	<0.010	<0.0010	0.1	<0.0050	<0.10	75.2	<0.000050	<0.00050	<0.00050	<0.0010	0.539	<0.0010	<0.050	27.4	0.158	<0.00020	<0.0010	<0.0050	<0.000050	3	<0.00050	<0.0010	34.2	<0.050	<0.00020	0.00299	<0.030	0.0072
P03-08-02	6/8/2004	5.1	243	301		638	6.93	7.78	<0.010	<0.0010	0.23	<0.0050	<0.10	83.7	0.000311	0.00058	<0.00050	0.0037	<0.030	<0.0010	<0.050	22.4	4.25	<0.00020	<0.0010	0.025	<0.000050	11.7	<0.00050	<0.0010	112	<0.050	<0.00020	0.00225	<0.030	0.0062
P03-08-02	8/4/2004	4.75	254	345	405	681	6.67	7.83	<0.010	<0.0010	0.241	<0.0050	<0.10	98.7	0.000106	0.00059	<0.00050	0.001	0.326	<0.0010	<0.050	24	4.58	<0.00020	<0.0010	0.0226	<0.000050	12.1	<0.00050	<0.0010	132	<0.050	<0.00020	0.00273	<0.030	0.0055
P03-08-02	9/24/2004	4.05	265	407	696	417	7.85	7.96	<0.020	<0.0020	0.299	<0.0050	<0.10	116	0.00029	<0.0010	<0.0010	0.0041	0.269	<0.0020	<0.050	28.4	5.68	<0.00020	<0.0020	0.028	<0.00010	15.1	<0.0010	<0.0020	141	<0.050	<0.00040	0.00279	<0.030	0.0072
P03-08-03	6/8/2004	4.8	257	358		678	7.09	7.87	<0.010	<0.0010	0.123	<0.0050	<0.10	99.6	0.000353	<0.00050	<0.00050	0.0033	0.032	0.0044	<0.050	26.6	5.97	<0.00020	0.0045	0.0224	<0.000050	11	<0.00050	<0.0010	126	<0.050	<0.00020	0.00369	<0.030	0.007
P03-08-03	8/4/2004	4.85	232	326	489	600	7.31	8.01	<0.010	<0.0010	0.113	<0.0050	<0.10	92.1	0.00014	<0.00050	<0.00050	0.0015	0.294	0.0013	<0.050	23.3	4.7	<0.00020	0.0042	0.0154	<0.000050	10.3	<0.00050	<0.0010	106	<0.050	<0.00020	0.00352	<0.030	0.0075
P03-08-03	9/24/2004	4.36	276	421	681	413	7.68	8.05	<0.020	<0.0020	0.137	<0.0050	<0.10	119	0.00013	<0.0010	<0.0010	0.0026	0.208	<0.0020	<0.050	30	7	<0.00020	0.0044	0.021	<0.00010	13	<0.0010	<0.0020	125	<0.050	<0.00040	0.00382	<0.030	0.0093
P03-08-04	6/8/2004	6.5	235	585		1160	7.21	7.8	<0.020	0.0026	0.029	<0.0050	<0.10	154	<0.00010	0.0024	<0.0010	<0.0020	12.8	<0.0020	<0.050	48.6	1.84	<0.00020	0.0369	<0.010	<0.00010	39.1	<0.0010	<0.0020	448	<0.050	<0.00040	0.00098	<0.030	0.009
P03-08-04	9/24/2004	5.66	302	740	661	417	7.06	7.97	<0.020	0.0034	0.046	<0.0050	<0.10	204	0.00153	0.0035	<0.0010	0.0051	<0.030	0.0553	<0.050	56	2.71	<0.00020	0.0199	<0.010	<0.00010	44.4	0.0084	<0.0020	587	<0.050	0.00139	0.00295	<0.030	0.633
P03-08-05	6/8/2004	4.7	283	1020		2200	7.06	7.39	<0.050	<0.0050	<0.020	<0.0050	<0.10	329	<0.00025	<0.0025	<0.0025	<0.0050	57.8	<0.0050	<0.050	49.3	5.83	<0.00020	0.0123	<0.025	<0.00025	146	0.0037	<0.0050	1130	<0.050	<0.0010	0.0041	<0.030	0.0179
P03-08-05	8/4/2004			1080					<0.050	<0.0050	<0.020	<0.0050	<0.10	345	<0.00025	<0.0025	<0.0025	<0.0050	63.2	<0.0050	<0.050	52.7	5.8	<0.00020	0.009	<0.025	<0.00025	140	<0.0025	<0.0050		<0.050	<0.0010	0.0042	<0.030	0.0211
P03-08-05	9/24/2004	5.12	202	1260	2451	1520	6.82	7.57	<0.050	<0.0050	<0.020	<0.0050	<0.10	404	<0.00025	<0.0025	<0.0025	<0.0050	47.1	<0.0050	<0.050	60.6	5.47	<0.00020	0.01	<0.025	<0.00025	181	0.0032	<0.0050	1410	<0.050	<0.0010	0.0021	<0.030	0.0156
P03-08-06	6/8/2004		18.5	1080		2410		6.27	<0.050	<0.0050	<0.020	<0.0050	<0.10	399	<0.00025	0.0036	<0.0025	<0.0050	0.06	0.0308	0.051	19.9	1.18	<0.00020	0.0145	<0.025	<0.00025	148	0.0046	<0.0050	1510	<0.050	<0.0010	<0.0010	<0.030	0.0456
P03-08-06	8/4/2004			1100					<0.050	<0.0050	<0.020	<0.0050	<0.10	407	<0.00025	0.0034	<0.0025	<0.0050	0.784	<0.0050	0.052	19.2	1.13	<0.00020	0.0145	<0.025	<0.00025	159	<0.0025	<0.0050		<0.050	<0.0010	<0.0010	<0.030	0.0143
P03-08-06	9/24/2004		22.6	1110		2330		7.38	<0.050	<0.0050	<0.020	<0.0050	<0.10	412	<0.00025	0.0033	<0.0025	<0.0050	0.915	<0.0050	<0.050	18.6	1.11	<0.00020	0.012	<0.025	<0.00025	158	<0.0025	<0.0050	1560	<0.050	<0.0010	<0.0010	<0.030	0.0262
P03-08-07	6/8/2004	4.8		986			7.78		<0.050	0.0068	<0.020	<0.0050	<0.10	358	<0.00025	0.0062	<0.0025	<0.0050	<0.030	0.0251	<0.050	22.1	0.925	<0.00020	0.0572	<0.025	<0.00025	159	0.0486	<0.0050		<0.050	<0.0010	<0.0010	<0.030	0.0169
P03-08-07	8/4/2004			1070					<0.050	<0.0050	<0.020	<0.0050	<0.10	390	<0.00025	0.0063	<0.0025	<0.0050	0.306	<0.0050	<0.050	23.2	0.908	<0.00020	0.0614	<0.025	<0.00025	176	<0.0025	<0.0050		<0.050	<0.0010	<0.0010	<0.030	0.0104
P03-08-07	9/24/2004	4.66	41.6	1100	2377	1453	7.3	7.65	<0.050	0.005	<0.020	<0.0050	<0.10	408	<0.00025	0.0058	<0.0025	<0.0050	0.595	<0.0050	<0.050	20.8	0.974	<0.00020	0.0532	<0.025	<0.00025	181	0.0108	<0.0050	1520	<0.050	<0.0010	<0.0010	<0.030	0.0114
P03-08-08	6/8/2004		16.9	669		4250		4.9	<0.20	<0.020	<0.020	<0.0050	<0.10	141	<0.0010	<0.010	<0.010	<0.020	943	<0.020	0.054	76.8	5.88	<0.00020	0.137	<0.10	<0.0010	370	0.025	<0.020	3040	<0.050	<0.0040	<0.0040	<0.030	56.6
P03-08-08	8/4/2004	7.9		68.5	395		8.2		<0.010	<0.0010	<0.020	<0.0050	<0.10	15.4	<0.000050	0.00415	<0.00050	<0.0010	<0.030	0.0043	<0.050	7.26	0.031	<0.00020	0.0721	<0.0050	<0.000050	104	<0.00050	<0.0010		<0.050	<0.00020	<0.00020	<0.030	0.0074
P03-08-08	9/24/2004	5.08	123	74.1	604	374	7.66	8.16	<0.010	0.0014	0.026	<0.0050	<0.10	16.7	<0.000050	0.00362	<0.00050	<0.0010	<0.030	0.0126	<0.050	7.87	0.034	<0.00020	0.0679	<0.0050	<0.000050	98.2	0.0018	<0.0010	178	<0.050	<0.00020	<0.00020	<0.030	0.0051
P03-09-01	6/8/2004	4.1	379	606	1309	1260	6.82	7.64	<0.050	<0.0050	0.037	<0.0050	<0.10	162	<0.00025	<0.0025	<0.0025	<0.0050	6.89	<0.0050	<0.050	49	0.394	<0.00020	<0.0050	<0.025	<0.00025	44.8	<0.0025	<0.0050	418	<0.050	<0.0010	0.0014	<0.030	<0.0050
P03-09-01	8/4/2004	4.76	369	630	796	1240	6.78	7.74	<0.020	<0.0020	0.033	<0.0050	<0.10	165	<0.00010	<0.0010	<0.0010	<0.0020	6.44	<0.0020	<0.050	52.9	0.361	<0.00020	<0.0020	<0.010	<0.00010	48.5	<0.0010	<0.0020	396	<0.050	<0.00040	0.00135	<0.030	<0.0050
P03-09-01	9/21/2004	4.36	368	645	1312	795	6.07	7.97	<0.020	<0.0020	0.038	<0.0050	<0.10	167	<0.00010	<0.0010	<0.0010	<0.0020	6.71	<0.0020	<0.050	55.5	0.38	<0.00020	<0.0020	<0.010	<0.00010	48.3	<0.0010	<0.0020	391	<0.050	<0.00040	0.00145	<0.030	<0.0050
P03-09-02	6/8/2004	3.6	379	581	1269	1230	6.71	7.64	<0.050	<0.0050	0.037	<0.0050	<0.10	154	<0.00025	<0.0025	<0.0025	<0.0050	6.8	<0.0050	<0.050	47.6	0.385	<0.00020	<0.0050	<0.025	<0.00025	43.8	<0.0025	<0.0050	376	<0.050	<0.0010	0.0014	<0.030	0.0053
P03-09-02	8/4/2004	4.78	368	632	678	1210	6.89	7.68	<0.020	<0.0020	0.037	<0.0050	<0.10	166	<0.00010	<0.0010	<0.0010	<0.0020	6.64	<0.0020	<0.050	52.8	0.369	<0.00020	<0.0020	<0.010	<0.00010	48	<0.0010	<0.0020	382	<0.050	<0.00040	0.00143	<0.030	0.0055
P03-09-02	9/21/2004	3.97	370	623	1277	764	6.48	7.97	<0.020	<0.0020	0.038	<0.0050	<0.10	161	<0.00010	<0.0010	<0.0010	<0.0020	6.66	<0.0020	<0.050	53.6	0.37	<0.00020	<0.0020	<0.010	<0.00010	46.9	<0.0010	<0.0020	372	<0.050	<0.00040	0.00142	<0.030	<0.0050
P03-09-02	11/18/2004		362	641		1240		7.94	<0.020	<0.0020	0.04	<0.0050	<0.10	169	<0.00010	<0.0010	<0.0010	<0.0020	6.71	<0.0020	<0.050	53.5	0.378	<0.00020	<0.0020	<0.010	<0.00010	47.5	<0.0010	<0.0020	370	<0.050	<0.00040	0.0014	<0.030	0.0064
P03-09-03	6/8/2004	3.6	245	350	1005	973	7	7.82	<0.020	<0.0020	0.025	<0.0050	<0.10	104	<0.00010	0.0053	<0.0010	<0.0020	<0.030	<0.0020	<0.050	21.6	4.13	<0.00020	<0.0020	<0.010	<0.00010	19.1	<0.0010	<0.0020	325	<0.050	<0.00040	0.00574	<0.030	<0.0050
P03-09-03	8/4/2004	5.04	253	505	628	986	7	7.82	<0.020	<0.0020	0.038	<0.0050	<0.10	152	<0.00010	0.0049	<0.0010	<0.0020	0.057	<0.0020	<0.050	30.8	5.7	<0.00020	<0.0020	<0.010	<0.00010	27.1	<0.0010	<0.0020	341	<0.050	<0.00040	0.00564	<0.030	0.0055
P03-09-03	9/21/2004	3.95	246	506	1032	617	6.85	8.1	<0.020	<0.0020	0.042	<0.0050	<0.10	150	<0.00010	0.0047	<0.0010	<0.0020	0.054	<0.0020	<0.050	31.7	5.9	<0.00020	<0.0020	<0.010	<0.00010	27.2	<0.0010	<0.0020	329	<0.050	<0.00040	0.00605	<0.030	0.005
P03-09-04	6/8/2004	3.9	245	496	1012	989	7	7.74	<0.020	<0.0020	0.038	<0.0050	<0.10	149	<0.00010	0.0039	<0.0010	<0.0020	<0.030	<0.0020	<0.050	29.9	5.91	<0.00020	<0.0020	<0.010	<0.00010	26.5	<0.0010	<0.0020	327	<0.050	<0.00040	0.00551	<0.030	0.0085
P03-09-04	8/4/2004	4.86	252	523	639	1020	7	7.84	<0.020	<0.0020	0.041	<0.0050	<0.10	158	<0.00010	0.0036	<0.0010	<0.0020	0.034	<0.0020	<0.050	31	5.57	<0.00020	<0.0020	<0.010	<0.00010	27.9	<0.0010	<0.0020	346	<0.050	<0.00040	0.00554	<0.030	0.0075
P03-09-04	9/21/2004	3.88	247	523	1041	621	6.91	8.07	<0.020	<0.0020	0.043	<0.0050	<0.10	156	<0.00010	0.0039	<0.0010	<0.0020	<0.030	<0.0020	<0.050	32.3	6.06	<0.00020	<0.0020	<0.010	<0.00010	28	<0.0010	<0.0020	332	<0.050	<0.00040	0.00607	<0.030	<0.0050
P03-09-04	11/18/2004		250	570		1040		8.02	<0.020	<0.0020	0.043	<0.0050	<0.10	172	<0.00010	0.0029	<0.0010	<0.0020	0.141	<0.0020	<0.050	33.9	6.06	<0.00020	<0.0020	<0.010	<0.00010	29.7	<0.0010	<0.0020	342	<0.050	<0.00040	0.00556	<0.030	0.0066
P03-09-05	6/8/2004	3.7	244	512	1011	976	6.88	7.8	<0.020	<0.0020	0.04	<0.0050	<0.10	154	<0.00010	0.004	<0.0010	<0.0020	<0.030	<0.0020	<0.050	30.9	6.18	<0.00020	<0.0020	<0.010	<0.00010	26.9	<0.0010	<0.0020	323	<0.050	<0.00040	0.00554	<0.030	0.0075
P03-09-05	8/4/2004	5.03	250	510	634	1020	6.97	7.87	<0.020	<0.0020	0.038	<0.0050	<0.10	153	<0.00010	0.0042	<0.0010	<0.0020	0.103	<0.0020	<0.050	31	5.74	<0.00020	<0.0020	<0.010	<0.00010	27.2	<0.0010	<0.0020	346	<0.050	<0.00040	0.00558	<0.030	0.0056
P03-09-05	9/21/2004	3.82	251	510	1164	693	6.93	8.06	<0.020	<0.0020	0.043	<0.0050	<0.10	152	<0.00010	0.0039	<0.0010	0.0032	<0.030	<0.0020	<0.050	31.5	5.92	<0.00020	<0.0020	<0.010	<0.00010	27.6	<0.0010	<0.0020	334	<0.050	<0.00040	0.00606	<0.030	0.0072
P03-09-06	6/8/2004	3.9	286	564	1113	1080	6.83	7.75	<0.020	<0.0020	0.063	<0.0050	<0.10	167	<0.00010	0.0014	<0.0010	<0.0020	0.09	<0.0020	<0.050	35.5	5.58	<0.00020	<0.0020	<0.010	<0.00010	32	<0.0010	<0.0020	354	<0.050	<0.00040	0.0043	<0.030	0.0064
P03-09-06	8/4/2004	4.94	288	563	770	1090	6.8	7.71	<0.020	<0.0020	0.06	<0.0050	<0.10	165	<0.00010	0.0014	<0.0010	<0.0020	0.08	<0.0020	<0.050	36.5	5.24	<0.00020	0.0021	<0.010	<0.00010	33.8	<0.0010	<0.0020	376	<0.050	<0.00040	0.00455	<0.030	0.0056
P03-09-06	9/21/2004	3.8	295	584	1044	621	7.03	8.01	<0.020	<0.0020	0.063	<0.0050	<0.10	172	0.00012	0.0014	<0.0010	<0.0020	<0.030	<0.0020	<0.050	37.5	5.59	<0.00020	<0.0020	<0.010	<0.00010	33.8	<0.0010	<0.0020	385	<0.050	<0.00040	0.00469	<0.030	0.0051
P03-09-06	11/18/2004		276	606		1100		7.93	<0.020	<0.0020	0.065	<0.0050	<0.10	180	<0.00010	0.0013	<0.0010	<0.0020	0.153	<0.0020	<0.050	38.2	5.73	<0.00020	<0.0020	<0.010	<0.00010	34.8	<0.0010	<0.0020	363	<0.050	<0.00040	0.00424	<0.030	<0.0050
P03-09-07	6/8/2004	4.3	264	598	1169	1130	6.82	7.76	<0.020	<0.0020	0.075	<0.0050	<0.10	182	<0.00010	0.0018	<0.0010	<0.0020	0.035	<0.0020	<0.050	35.1	6.33	<0.00020	<0.0020	<0.010	<0.00010	32.4	<0.0010	<0.0020	407	<0.050	<0.00040	0.00495	<0.030	0.0064
P03-09-07	8/4/2004	4.62	270	601	709	1130	6.94	7.79	<0.020	<0.0020	0.062	<0.0050	<0.10	183	<0.00010	0.0017	<0.0010	<0.0020	0.457	<0.0020	<0.050	35.3	5.98	<0.00020	<0.0020	<0.010	<0.00010	33.3	<0.0010	<0.0020	417	<0.050	<0.00040	0.00518	<0.030	0.0057
P03-09-07	9/21/2004	3.91	277	634	1222	730	7.07	8.02	<0.020	<0.0020	0.063	<0.0050	<0.10	193	<0.00010	0.0016	<0.0010	<0.0020	0.032	<0.0020	<0.050	37.2	6.59	<0.00020	<0.0020	<0.010	<0.00010	34	<0.0010	<0.0020	439	<0.050	<0.00040	0.00572	<0.030	0.0082
P03-09-07	11/18/2004		271	631		1160		8.01	<0.020	<0.0020	0.064	<0.0050	<0.10	193	<0.00010	0.0016	<0.0010	<0.0020	0.288	<0.0020	<0.050	36.3	6.4	<0.00020	<0.0020	<0.010	<0.00010	33.6	<0.0010	<0.0020	412	<0.050	<0.00040	0.00533	<0.030	<0.0050
P03-09-08	6/8/2004	7.6			1169		6.93																													
P03-09-08	8/4/2004	8.62			794		6.97																													
P03-09-08	9/21/2004	4.42	272	627	6	3	7.09	8.09	<0.020	<0.0020	0.069	<0.0050	<0.10	191	<0.00010	0.0023	<0.0010	<0.0020	1.14	<0.0020	<0.050	36.6	7.02	<0.00020	0.0024	<0.010	<0.00010	34.3	<0.0010	<0.0020	438	<0.050	<0.00040	0.00563	<0.030	0.0051
P03-09-09	6/8/2004	5.2	255	567	1157	1130	6.88	7.74	<0.020	0.0059	0.073	<0.0050	<0.10	172	<0.00010	0.0025	<0.0010	<0.0020	0.575	<0.0020	<0.050	33.3	5.88	<0.00020	0.0035	0.013	<0.00010	31	<0.0010	<0.0020	421	<0.050	<0.00040	0.00572	<0.030	0.0053
P03-09-09	8/4/2004	5.7	265	607	730	1150	6.94	7.81	<0.020	<0.0020	0.077	<0.0050	<0.10	185	0.00015	0.0022	<0.0010	<0.0020	0.264	<0.0020	<0.050	35.4	5.95	<0.00020	0.0022	0.01	<0.00010	33.3	<0.0010	<0.0020	435	<0.050	<0.00040	0.00536	<0.030	0.0057
P03-09-09	9/21/2004	3.84	279	599	1224	729	7.16	8.1	<0.020	<0.0020	0.076	<0.0050	<0.10	182	0.00015	0.0021	<0.0010	<0.0020	0.09	<0.0020	<0.050	35	6.21	<0.00020	<0.0020	<0.010	<0.00010	32.5	<0.0010	<0.0020	433	<0.050	<0.00040	0.00562	<0.030	0.0051
P03-09-09	11/18/2004		274	683		1190		8.01	<0.020	<0.0020	0.055	0.0056	<0.10	208	0.0001	0.0022	<0.0010	<0.0020	0.064	<0.0020	<0.050	40	6.39	<0.00020	<0.0020	<0.010	<0.00010	36.4	<0.0010	<0.0020	426	<0.050	<0.00040	0.0054	<0.030	<0.0050
P96-6	6/9/2004	1.9	366	640	572	1110	5.32	6.9	<0.020	<0.0020	0.031	<0.0050	<0.10	165	0.00036	0.0013	<0.0020	<0.0020	0.147	<0.0020	<0.050	55.5	0.174	<0.00020	<0.0020	0.033	<0.00010	9.2	<0.0010	0.0038	278	<0.050	<0.00040	0.0108	<0.030	1.17
P96-6	9/29/2004	1.19		538	1062	1000	7.82	7.26	<0.020	<0.0020	<0.020	<0.0050	<0.10	140	0.00017	<0.0010	<0.0010	<0.0020	<0.030	<0.0020	<0.050	46	<0.010	<0.00020	<0.0020	0.012	<0.00010	5.3	<0.0010	0.003	286	<0.050	<0.00040	0.0149	<0.030	0.379
P96-7	6/10/2004	1.8	208	1500	1166	2210	6.53	7.95	<0.050	<0.0050	<0.020	<0.0050	<0.10	438	<0.00025	<0.0025	<0.0025	<0.0050	<0.030	<0.0050	<0.050	98.1	<0.010	<0.00020	<0.0050	<0.025	<0.00025	19.5	<0.0025	<0.0050	1270	<0.050	<0.0010	0.0184	<0.030	<0.0050
P96-7	9/29/2004	1.64		1850	2825	2820	7.76	7.86	<0.10	<0.010	<0.020	<0.0050	<0.10	543	<0.00050	<0.0050	<0.0050	<0.010	<0.030	<0.010	<0.050	120	<0.010	<0.00020	<0.010	<0.050	<0.00050	23.3	<0.0050	<0.010	1930	<0.050	<0.0020	0.0212	<0.030	0.0113
P96-8A	6/9/2004	6.6	128	2840	3050	3690	5.69	7.02	<0.50	<0.050	0.083	<0.0050	<0.10	406	0.0484	<0.025	<0.025	<0.050	<0.030	<0.050	0.083	442	16.5	<0.00020	<0.050	0.47	<0.0025	27.6	<0.025	<0.050	2710	<0.050	<0.010	<0.010	<0.030	119
P96-8A	9/24/2004	6.8	141	4460	1038	6010	6.12	7.09	<1.0	<0.10	<0.060	<0.015	<0.30	471	0.179	0.074	<0.050	<0.10	<0.090	<0.10	0.2	798	85.8	<0.00020	<0.10	1.47	<0.0050	56.1	<0.050	<0.10	5120	<0.15	<0.020	<0.020	<0.090	447
P96-8B	6/9/2004	4.1	338	5140	4732	6300	5.75	7.38	<0.50	<0.050	0.038	<0.0050	<0.10	640	0.0258	0.119	<0.025	<0.050	0.033	<0.050	0.102	860	53.1	<0.00020	<0.050	0.53	<0.0025	51.9	<0.025	<0.050	5040	<0.050	<0.010	0.022	<0.050	135
P96-8B	9/24/2004	6.6	255	4880	1670	6320	6.28	7.05	<1.0	<0.10	<0.040	<0.010	<0.20	545	0.053	0.711	<0.050	<0.10	1.95	<0.10	0.15	854	75.7	<0.00020	<0.10	1.03	<0.0050	52.6	<0.050	<0.10	5560	<0.10	<0.020	<0.020	<0.060	263
S1A	6/10/2004	2.3	199	4510	2299	5290	6.1	7.31	<0.20	<0.020	<0.020	<0.0050	<0.10	600	0.0094	0.011	<0.010	<0.020	<0.030	<0.020	0.142	732	47.6	<0.00020	<0.020	0.96	<0.0010	30.5	<0.010	<0.020	4130	<0.050	<0.0040	0.0087	<0.030	100
S1A	9/23/2004	3	185	4250	1325	5330	6.22	7.48	<0.20	<0.020	<0.020	<0.0050	<0.10	562	0.0094	0.012	<0.010	<0.020	<0.030	<0.020	0.133	691	43.3	<0.00020	<0.020	1.08	<0.0010	29.7	<0.010	<0.020	4540	<0.050	<0.0040	0.008	<0.030	92.7

Table 5. Summary of 2004 Water Quality Data, Faro Mine, Yukon

Well ID	Date Sampled	Temp. (field) (C)	Alkalinity (Total) as $CaCO_3$	Hardness ($CaCO_3$)	Sp. Cond. (field) (µS/cm)	Sp. Cond. (lab) (µS/cm)	pH (field)	pH (lab)	Aluminium	Arsenic	Barium	Beryllium	Boron	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Silver	Sodium	Antimony	Selenium	Sulfate	Titanium	Thalium	Uranium	Vanadium	Zinc
S1B	6/10/2004	2.5	24.2	521	606	1080	6.07	7.39	<0.020	<0.0020	<0.020	<0.0050	<0.10	136	0.00021	<0.0010	<0.0010	0.0029	0.09	<0.0020	<0.050	44.2	0.01	<0.00020	<0.0020	<0.010	<0.00010	31.5	<0.0010	<0.0020	551	<0.050	<0.00040	<0.00040	<0.030	0.0274
S1B	9/23/2004	4.8	114	733	666	1400	6.4	7.86	<0.050	<0.0050	0.025	<0.0050	<0.10	197	0.00032	<0.0025	<0.0025	<0.0050	0.033	<0.0050	<0.050	58.6	0.125	<0.00020	<0.0050	<0.025	<0.00025	41.2	<0.0025	<0.0050	760	<0.050	<0.0010	<0.0010	<0.030	0.109
S2A	6/10/2004	2.6	193	4160	2026	5440	6.1	7.27	<0.20	<0.020	<0.020	<0.0050	<0.10	533	0.0143	<0.010	<0.010	<0.020	0.489	<0.020	0.122	688	54.5	<0.00020	<0.020	1.11	<0.0010	24.4	<0.010	<0.020	4340	<0.050	<0.0040	0.0059	<0.030	113
S2A	9/23/2004	3.8	178	4280	1345	5500	6.07	7.34	<0.50	<0.050	<0.020	<0.0050	<0.10	518	0.0166	<0.025	<0.025	<0.050	1.72	<0.050	0.134	726	58.1	<0.00020	<0.050	1.45	<0.0025	31.6	<0.025	<0.050	4610	<0.050	<0.010	<0.010	<0.030	124
S2B	6/10/2004	3.6	33.7	1290	1408	2130	6.03	7.19	<0.050	<0.0050	0.022	<0.0050	<0.10	317	0.00079	<0.0025	<0.0025	<0.0050	13.4	<0.0050	<0.050	121	1.9	<0.00020	<0.0050	<0.025	<0.00025	8	<0.0025	<0.0050	1380	<0.050	<0.0010	<0.0010	<0.030	0.112
S2B	9/23/2004	3.8	75.6	2750	1134	3270	6.43	7.18	<0.10	<0.010	0.045	<0.0050	<0.10	602	0.00262	0.014	<0.0050	<0.010	97.2	<0.010	<0.050	304	20	<0.00020	<0.010	0.235	<0.00025	19.9	<0.0050	<0.010	2370	<0.050	<0.0020	<0.0020	<0.030	29.6
S3	6/10/2004	2.8	144	4550	2553	5930	6.08	7.24	<0.20	<0.020	<0.10	<0.0050	0.043	556	<0.0010	0.039	<0.010	<0.020	8.62	<0.020	0.126	768	59.8	<0.00020	<0.020	0.7	<0.0010	22.7	<0.010	<0.020	4790	<0.050	<0.0040	<0.0040	<0.030	101
S3	9/23/2004	6.1	170	3990	1390	5360		7.31	<0.20	<0.020	<0.10	<0.0050	0.023	455	<0.0010	0.036	<0.010	<0.020	2.06	<0.020	0.135	692	47	<0.00020	<0.020	0.71	<0.0010	29.7	<0.010	<0.020	4560	<0.050	<0.0040	<0.0040	<0.030	86.7
TH86-17	6/9/2004		51.4	61		138		8	<0.010	<0.0010	0.035	<0.0050	<0.10	18	<0.000050	<0.00050	<0.00050	0.0015	0.109	<0.0010	<0.050	3.93	<0.010	<0.00020	<0.0010	<0.0050	<0.000050	<2.0	<0.00050	<0.0010	10.8	<0.050	<0.00020	0.00051	<0.030	0.0073
TH86-17	9/21/2004	8.1	86.2	98.2	208	211	7.3	8.06	<0.010	<0.0010	0.059	<0.0050	<0.10	28.9	<0.000050	<0.00050	<0.00050	<0.0010	0.236	<0.0010	<0.050	6.31	<0.010	<0.00020	<0.0010	<0.0050	<0.000050	2.4	<0.00050	<0.0010	19.7	<0.050	<0.00020	0.00087	<0.030	0.0148
X16A	6/8/2004	2.6	140	166	311	330	6.85	8.07	<0.010	<0.0010	0.08	<0.0050	<0.10	47.8	0.000061	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	11.3	<0.010	<0.00020	0.0023	<0.0050	<0.000050	<2.0	<0.00050	0.0013	35.2	<0.050	<0.00020	0.00179	<0.030	<0.0050
X16A	9/21/2004	4.9	154	168	324	333	7.47	8.23	<0.010	<0.0010	0.09	<0.0050	<0.10	48.1	0.000059	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	11.6	<0.010	<0.00020	0.0022	<0.0050	<0.000050	<2.0	<0.00050	0.0012	25.7	<0.050	<0.00020	0.00161	<0.030	0.0099
X16B	6/8/2004	4.4	191	206	372	395	7.05	8.08	<0.010	<0.0010	0.133	<0.0050	<0.10	57.7	<0.000050	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	15.1	<0.010	<0.00020	0.0018	<0.0050	<0.000050	<2.0	<0.00050	0.0026	25.7	<0.050	<0.00020	0.00211	<0.030	<0.0050
X16B	9/21/2004	5.1	200	211	380	393	7.7	8.32	<0.010	<0.0010	0.133	<0.0050	<0.10	58.1	<0.000050	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	16	<0.010	<0.00020	0.0017	<0.0050	<0.000050	<2.0	<0.00050	0.0019	27.4	<0.050	<0.00020	0.00194	<0.030	0.0058
X17A	6/8/2004	3.6	233	252	466	478	6.67	8.13	<0.010	<0.0010	0.154	<0.0050	<0.10	68.9	<0.000050	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	19.4	<0.010	<0.00020	<0.0010	<0.0050	<0.000050	2.5	<0.00050	<0.0010	37.4	<0.050	<0.00020	0.00296	<0.030	<0.0050
X17A	9/22/2004	3.7	218	244	985	441	7.46	8.23	<0.010	<0.0010	0.145	<0.0050	<0.10	66.1	<0.000050	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	19.3	<0.010	<0.00020	<0.0010	<0.0050	<0.000050	3.2	<0.00050	<0.0010	32.5	<0.050	<0.00020	0.00235	<0.030	<0.0050
X17B	6/8/2004	4.3	256	393	757	527	6.68	8.06	<0.020	<0.0020	0.437	<0.0050	<0.10	107	<0.00010	<0.0010	<0.0020	<0.0020	1.54	<0.0020	<0.050	30.6	0.321	<0.00020	<0.0020	<0.010	<0.00010	27.5	<0.0010	<0.0020	39.1	<0.050	<0.00040	0.00141	<0.030	<0.0050
X17B	9/22/2004	3.3	400	408	569	761	7.01	8	<0.020	<0.0020	0.326	<0.0050	<0.10	110	<0.00010	<0.0010	<0.0010	<0.0020	1.65	<0.0020	<0.050	32.4	0.358	<0.00020	<0.0020	<0.010	<0.00010	16	<0.0010	<0.0020	50.9	<0.050	<0.00040	0.00181	<0.030	<0.0050
X18A	6/8/2004	4.2	220	663	1163	1300	6.94	7.93	<0.050	0.009	0.193	<0.0050	<0.10	190	<0.00025	<0.0025	<0.0025	<0.0050	2	<0.0050	<0.050	45.9	0.682	<0.00020	<0.0050	<0.025	<0.00025	23.3	<0.0025	<0.0050	546	<0.050	<0.0010	0.0066	<0.030	<0.0050
X18A	9/21/2004	3.7	229	562	960	1050	7.17	8.07	<0.020	0.0078	0.175	<0.0050	<0.10	159	<0.00010	<0.0010	<0.0010	<0.0020	1.94	<0.0020	<0.050	39.8	0.573	<0.00020	<0.0020	<0.010	<0.00010	20.7	<0.0010	<0.0020	395	<0.050	<0.00040	0.00618	<0.030	0.011
X18B	6/8/2004	4.5	232	581	1005	1080	6.83	7.97	<0.020	<0.0020	0.115	<0.0050	<0.10	169	0.00032	<0.0010	<0.0010	<0.0020	<0.030	<0.0020	<0.050	38.5	2.04	<0.00020	<0.0020	<0.010	<0.00010	20.7	<0.0010	<0.0020	378	<0.050	<0.00040	0.00809	<0.030	<0.0050
X18B	9/21/2004	3	212	654	1055	1180	7.13	8.06	<0.020	<0.0020	0.133	<0.0050	<0.10	188	0.00034	<0.0010	<0.0010	<0.0020	0.054	<0.0020	<0.050	45.2	2.48	<0.00020	<0.0020	<0.010	<0.00010	19.3	<0.0010	<0.0020	498	<0.050	<0.00040	0.00755	<0.030	0.009
X21A-96	9/23/2004	3.8	9.5	4370	1175	9070	6.2	3.73	<0.50	<0.050	<0.10	<0.025	<0.50	354	<0.0025	<0.025	<0.025	<0.050	2100	<0.050	<0.25	846	172	<0.00020	<0.050	<0.25	<0.0025	28	<0.025	<0.050	9840	<0.25	<0.010	<0.010	<0.15	16.4
X21B-96	6/17/2004	4.6	162	522	1155	1260	7.01	7.31	<0.050	<0.0050	<0.020	<0.0050	<0.10	156	<0.00025	0.0063	<0.0025	<0.0050	27.1	<0.0050	<0.050	32	12.1	<0.00020	<0.0050	<0.025	<0.00025	60	<0.0025	<0.0050	568	<0.050	<0.0010	0.003	<0.030	0.114
X21B-96	9/23/2004	3.4	48.8	660	629	1580	6.9	6.54	<0.050	<0.0050	<0.020	<0.0050	<0.10	188	<0.00025	0.0388	<0.0025	<0.0050	145	<0.0050	<0.050	46.1	19.9	<0.00020	<0.0050	0.028	<0.00025	63.4	<0.0025	<0.0050	1010	<0.050	<0.0010	0.0034	<0.030	4.23
X21C-96	6/17/2004	6.9	179	172	356	348	6.98	8.13	<0.010	0.0252	0.173	<0.0050	<0.10	54.4	<0.000050	<0.00050	<0.00050	<0.0010	0.388	<0.0010	<0.050	8.87	0.235	<0.00020	0.0041	<0.0050	<0.000050	3.1	<0.00050	<0.0010	7.7	<0.050	<0.00020	0.0002	<0.030	0.0075
X21C-96	9/22/2004	2.9	182	190	878	348	7.98	8.25	<0.010	0.0227	0.196	<0.0050	<0.10	59.2	<0.000050	<0.00050	<0.00050	<0.0010	0.32	<0.0010	<0.050	10.3	0.238	<0.00020	0.0039	<0.0050	<0.000050	4.8	<0.00050	<0.0010	10.7	<0.050	<0.00020	0.00027	<0.030	0.006
X24A-96	6/10/2004	3.2	272	854	1438	1630	6.29	7.85	<0.050	<0.0050	0.021	<0.0050	<0.10	253	0.00048	0.0148	<0.0025	<0.0050	<0.030	<0.0050	<0.050	53.9	16.1	<0.00020	<0.0050	<0.025	<0.00025	26	<0.0025	<0.0050	745	<0.050	<0.0010	0.0062	<0.030	0.0113
X24A-96	8/4/2004	3.93	290	1070	1091	1800	6.64	7.49	<0.050	<0.0050	0.027	<0.0050	<0.10	318	0.00059	0.0226	<0.0025	<0.0050	0.045	<0.0050	<0.050	67.6	19.1	<0.00020	<0.0050	<0.025	<0.00025	29.3	<0.0025	<0.0050	904	<0.050	<0.0010	0.0074	<0.030	0.0085
X24A-96	9/21/2004	3.5	338	1350	2005	2170	7.51	7.76	<0.10	<0.010	0.036	<0.0050	<0.10	398	0.00081	0.0305	<0.0050	<0.010	0.107	<0.010	<0.050	87	26.8	<0.00020	<0.010	<0.050	<0.00050	35.7	<0.0050	<0.010	1190	<0.050	<0.0020	0.0106	<0.030	0.0117
X24A-96	11/17/2004		325	1300		2120		7.71	<0.050	<0.0050	0.03	<0.0050	<0.10	382	0.00062	0.0319	<0.0025	<0.0050	0.386	<0.0050	<0.050	83.9	29.1	<0.00020	<0.0050	<0.025	<0.00025	35.9	<0.0025	<0.0050	1040	<0.050	<0.0010	0.0084	<0.030	0.0099
X24B-96	8/4/2004	6.8	288	770	919	1420	6.86	7.89	<0.050	<0.0050	0.038	<0.0050	<0.10	238	0.00037	0.0045	<0.0025	<0.0050	<0.030	<0.0050	<0.050	42.7	5.04	<0.00020	<0.0050	<0.025	<0.00025	26.4	<0.0025	<0.0050	598	<0.050	<0.0010	0.0107	<0.030	0.0095
X24C-96	6/10/2004	3.3	333	1510	2127	2460	6.26	7.77	<0.10	<0.010	<0.020	<0.0050	<0.10	443	0.00059	0.0482	<0.0050	<0.010	0.09	<0.010	<0.050	98.5	38.3	<0.00020	<0.010	0.087	<0.00050	39.2	<0.0050	<0.010	1350	<0.050	<0.0020	0.0073	<0.030	0.02
X24C-96	8/4/2004	3.31	340	1530	1445	2500	6.38	7.38	<0.10	<0.010	<0.020	<0.0050	<0.10	448	<0.00050	0.0498	<0.0050	<0.010	0.109	<0.010	<0.050	98.7	36.3	<0.00020	<0.010	0.088	<0.00050	40.8	<0.0050	<0.010	1390	<0.050	<0.0020	0.0066	<0.030	0.0173
X24C-96	9/22/2004	5.2	341	1500	940	2270	6.77	7.63	<0.10	<0.010	<0.020	<0.0050	<0.10	433	<0.00050	0.0464	<0.0050	<0.010	0.105	<0.010	<0.050	100	37.7	<0.00020	<0.010	0.085	<0.00050	40.7	<0.0050	<0.010	1170	<0.050	<0.0020	0.0066	<0.030	0.0152
X24C-96	11/17/2004		322	1380		2320		7.65	<0.050	<0.0050	<0.020	<0.0050	<0.10	405	0.00051	0.0451	<0.0025	<0.0050	<0.030	<0.0050	<0.050	90.3	35.1	<0.00020	<0.0050	0.079	<0.00025	36	<0.0025	<0.0050	1200	<0.050	<0.0010	0.0062	<0.030	0.0187
X24D-96	6/10/2004	3.6	354	1540	2182	2550	6.25	7.77	<0.10	<0.010	0.029	<0.0050	<0.10	458	0.00229	0.0209	<0.0050	<0.010	<0.030	<0.010	<0.050	95.3	32.7	<0.00020	<0.010	0.118	<0.00050	47	<0.0050	<0.010	1420	<0.050	<0.0020	0.0044	<0.030	0.0464
X24D-96	8/4/2004		363	1490	1528	2520	6.44	7.4	<0.10	<0.010	0.025	<0.0050	<0.10	446	0.00219	0.0254	<0.0050	<0.010	<0.030	<0.010	<0.050	90.9	29.4	<0.00020	<0.010	0.141	<0.00050	43.8	<0.0050	<0.010	1430	<0.050	<0.0020	0.0048	<0.030	0.0437
X24D-96	9/21/2004	3.4	361	1510	1957	2540	7.49	7.78	<0.050	<0.0050	0.025	<0.0050	<0.10	447	0.00225	0.0235	<0.0025	<0.0050	<0.030	<0.0050	<0.050	94.9	32	<0.00020	<0.0050	0.125	<0.00025	45.7	<0.0025	<0.0050	1450	<0.050	<0.0010	0.0047	<0.030	0.0561
X24D-96	11/17/2004		359	1650		2560		7.66	<0.050	<0.0050	0.025	<0.0050	<0.10	491	0.00243	0.0264	<0.0025	<0.0050	<0.030	<0.0050	<0.050	102	34.4	<0.00020	<0.0050	0.14	<0.00025	47.6	<0.0025	<0.0050	1380	<0.050	<0.0010	0.0049	<0.030	0.048
X25A-96	6/10/2004	3.7	245	407	774	858	6.27	8.1	<0.020	<0.0020	0.028	<0.0050	<0.10	116	<0.00010	0.0036	<0.0010	<0.0020	0.335	<0.0020	<0.050	28.6	5.34	<0.00020	<0.0020	<0.010	<0.00010	24.8	<0.0010	<0.0020	229	<0.050	<0.00040	0.00776	<0.030	0.0056
X25A-96	8/4/2004	3.48	253	417	497	830	6.89	7.87	<0.020	<0.0020	0.03	<0.0050	<0.10	120	<0.00010	0.0041	<0.0010	<0.0020	0.39	<0.0020	<0.050	28.9	5.04	<0.00020	0.0022	<0.010	<0.00010	25.5	<0.0010	<0.0020	232	<0.050	<0.00040	0.0076	<0.030	0.0075
X25A-96	9/21/2004	3.9	285	488	961	1070	7.39	8.16	<0.020	<0.0020	0.025	<0.0050	<0.10	151	<0.00010	<0.0010	<0.0010	<0.0020	0.556	<0.0020	<0.050	27.1	0.183	<0.00020	<0.0020	<0.010	<0.00010	49.8	<0.0010	<0.0020	355	<0.050	<0.00040	0.00553	<0.030	0.0214
X25A-96	11/17/2004		246	455		860		8.07	<0.020	<0.0020	0.035	<0.0050	<0.10	130	<0.00010	0.0038	<0.0010	<0.0020	0.493	<0.0020	<0.050	31.4	5.61	<0.00020	<0.0020	<0.010	<0.00010	27	<0.0010	<0.0020	239	<0.050	<0.00040	0.00803	<0.030	0.011
X25B-96	6/10/2004	4.5	275	514	1001	1100	6.34	8.15	<0.020	<0.0020	0.024	<0.0050	<0.10	159	<0.00010	<0.0010	<0.0010	<0.0020	0.499	<0.0020	<0.050	28.4	0.197	<0.00020	<0.0020	<0.010	<0.00010	50.9	<0.0010	<0.0020	335	<0.050	<0.00040	0.00569	<0.030	0.0064
X25B-96	8/4/2004	6.19	280	508	704	1080	7.38	7.98	<0.020	<0.0020	0.025	<0.0050	<0.10	157	<0.00010	<0.0010	<0.0010	<0.0020	0.501	<0.0020	<0.050	28	0.175	<0.00020	<0.0020	<0.010	<0.00010	52.5	<0.0010	<0.0020	366	<0.050	<0.00040	0.00547	<0.030	<0.0050
X25B-96	9/21/2004	3.6	242	437	743	834	7.2	8.07	<0.020	<0.0020	0.034	<0.0050	<0.10	125	<0.00010	0.004	<0.0010	<0.0020	0.42	<0.0020	<0.050	30.6	5.48	<0.00020	0.0024	<0.010	<0.00010	25.9	<0.0010	<0.0020	247	<0.050	<0.00040	0.00826	<0.030	0.0051
X25B-96	11/17/2004	3.6	272	571		1100		8.11	<0.020	<0.0020	0.03	<0.0050	<0.10	177	<0.00010	<0.0010	<0.0010	<0.0020	0.669	<0.0020	<0.050	31.1	0.202	<0.00020	<0.0020	<0.010	<0.00010	57.1	<0.0010	<0.0020	360	<0.050	<0.00040	0.0055	<0.030	<0.0050

All units are in mg/L unless otherwise stated

All sample concentrations are of dissolved metals

Appendices

Appendix A

ALS Analytical Reports

(Available in Hard Copy Only)