

Anvil Range Mine 2005 Groundwater Monitoring Report



Prepared for
Deloitte & Touche Inc.
(acting as court-appointed Interim Receiver for
Anvil Range Mining Corporation)

Submitted by
Gartner Lee Limited

July 2006

July 14, 2006

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

Dear Ms. Chort:

Re: 40-692 – Anvil Range Mine, Rose Creek Tailings Facility, 2005 Groundwater Monitoring Report, Final Report

We are pleased to present you with a copy of our final report. 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 completing the 2006 sampling.

Yours very truly,
GARTNER LEE LIMITED

(via e-mail)

Martin Guilbeault, M.Sc., P.Eng
Hydrogeologist

c.c.: Faro Mine Closure Planning Office c/o Roger Payne

MG:mg



Anvil Range Mine 2005 Groundwater Monitoring Report

Prepared for
Deloitte & Touche Inc.
(acting as court-appointed Interim
Receiver for Anvil Range Mining
Corporation)

July 2006

Reference: **GLL 40692**

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Executive Summary

The Anvil Range Mine produced lead and zinc concentrates from 1969 to 1998, when it closed permanently. The mine facilities include 3 large open pits, rock piles, tailing impoundments, processing plant and all of the associated infrastructure. A comprehensive network of groundwater monitoring wells are installed within and downgradient of rock piles and tailings impoundments. The monitoring wells are requirement of the Water Licence and also provide valuable information for reclamation planning.

All of the monitoring wells that are named in the Water Licence are routinely monitored at least twice per year (spring and fall) as required. Additional monitoring is also completed to meet the needs of reclamation planning projects and, also, of the Adaptive Management Plan that forms part of the Water Licence.

In 2004, a study examining the integrity of certain monitoring wells at the site was undertaken. The data presented in the study were reviewed in 2005 by a technical review group and recommendations were made for the decommissioning of several of the P01 series wells. Consequently, some of the P01 series wells were not included in the routine 2005 sampling because they were included in this separate study. The well decommissioning program was implemented in September 2005 by others.

A total of four groundwater monitoring programs were completed by Gartner Lee:

1. Routine bi-annual groundwater sampling (May and September) of all Water Licence wells; and
2. Adaptive Management Plan (AMP) sampling of select wells (July and November).

In addition to the above, other wells related to reclamation planning were sampled at the request of various project managers. The field and laboratory data for all of the above are included in this report as is data that was collected and provided by Environment Canada.

The summary results of the 2005 monitoring programs are as follows:

- Wells were monitored as required or requested;
- QA/QC results of the laboratory analyses are acceptable, with some specific follow up for 2006 recommended;
- Various observations were recorded regarding the physical condition of the wells; and
- Several items are recommended for 2006, which include surveying, general maintenance of the physicals condition of the wells, and follow up to QA/QC results.

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. Since that time, the site has been under the management of Deloitte & Touche Inc., acting as court-appointed Interim Receiver for Anvil Range Mining Corporation (the “Interim Receiver”).

The mine facilities include 3 large open pits, rock piles, tailing impoundments, processing plant and all of the associated infrastructure. A comprehensive network of groundwater monitoring wells are installed within and downgradient of rock piles and tailings impoundments. The monitoring wells are requirement of the Water Licence and also provide valuable information for reclamation planning.

All of the monitoring wells that are named in the Water Licence are routinely monitored at least twice per year (spring and fall) as required. Additional monitoring is also completed to meet the needs of reclamation planning projects and, also, of the Adaptive Management Plan that forms part of the Water Licence.

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

The oldest monitoring wells on the site that remain operable were installed in 1981. Replacement wells were installed in 1996 for some damaged or lost wells. In 2001, a comprehensive hydrogeological and geochemical investigation of the Rose Creek Tailings facility was conducted that resulted in the installation of twenty-two groundwater monitoring wells at eleven locations in and downgradient of the tailings impoundments. In 2003, a 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.

In 2004 and 2005, new groundwater monitoring wells were installed by others (SRK and Robertson GeoConsultants) as part of a series of reclamation planning studies. Gartner Lee Limited collected groundwater samples from these wells on request of the various project managers and the results of samples collected by Gartner Lee have been included in this summary report. The 2004 and 2005 wells are specifically listed in Table 1 and their locations are shown on Figure 2, Figure 3 and Figure 4.

In 2005, routine Water Licence groundwater sampling occurred during two field visits: one from May 2nd to 7th and the other from September 5th to 12th. Wells X24 and X25 and P03-04, P03-08, and P03-09 also included in the spring and fall sampling, are required for additional sampling as part of an Adaptive

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Management Plan (AMP). These wells were sampled four times in 2005: May, July, September and November. The summer AMP sampling occurred from July 20th to 23rd and the “winter/fall” sampling was done on October 31st and November 1st. Data from the AMP sampling are presented in this report and described more thoroughly through reporting on the AMP Program. A summary of field activities and a list of wells that were sampled are included in Table 2. Well construction details are summarized in Table 3 and Table 4. All of the available groundwater quality data collected by Gartner Lee is maintained electronically and is available upon request and upon approval of the Interim Receiver.

This report is a factual report which provides a summary of the 2005 field activities and data. This report is not intended to provide an assessment of trends or variances in the data. Consequently, users of the data are cautioned to assess the data for anomalies that may emerge as trend and variance analyses are undertaken. Any potential anomalies in the data that were observed during the preparation of this report have been identified herein, as an aid to users of the data.

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 2005 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 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 Environment Canada or GLL) after one to three well volumes revealed that one well volume was sufficient purge volume for the multi-levels, as described in Section 3.
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, immediately after sampling. New, sterile disposable 0.45-micron filters were used to filter each sample immediately after collection.
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 minimize the risk of possible contamination from tailings during sample collection and handling.
6. Field replicates and split samples were collected. Replicates were collected by using the same sampling procedures in addition to clean and new sampling equipment such as filters and bottles. Split samples are collected using the same filtering equipment and by splitting the sampling stream between individual bottles to obtain two or more identical samples. This was done to verify laboratory repeatability.
7. Following sample collection, all samples were stored 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.
8. Internal laboratory QA/QC procedures were also maintained by ALS (as reported in the laboratory reports provided in Appendix A). These include the use of laboratory blank samples, matrix spike samples and laboratory surrogate standard samples.

2.2 Summary of Replicate And Split Samples Collected

A series of field replicates were collected to assess field variability. Split samples were collected to examine laboratory repeatability and equipment blanks were collected to examine biases introduced by sampling equipment or procedures. QA/QC samples are summarized in Table 5.

During the May 2005 (Spring) groundwater sampling event, 130 samples including 11 replicate samples, 2 split samples and 4 discrete depth samples were collected from 113 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 Impoundment, and groundwater monitoring wells across the remainder of the property (Table 2, Table 5).

During the July 2005 (Summer AMP) groundwater sampling event, 32 samples including 3 replicate samples were collected from 35 monitors.

During the September 2005 (fall) groundwater sampling event, a total of 148 samples were collected from 135 monitors. This sample set includes 8 replicate samples, 1 split sample and 4 discrete depth samples. The sample set during the fall 2005 sampling event included most conventional wells constructed prior to 2001, some of the 2001 wells (generally excluding those targeted by the technical review group for decommissioning), the multilevel wells constructed in 2003 and the new wells installed in 2004 and 2005.

During the November 2005 (winter/fall AMP) groundwater sampling, 21 samples including 3 replicate samples were collected from 18 monitors.

2.3 Relative Percent Differences on Replicates

To assess analytical variability, replicate samples were used to calculate the relative percent difference (RPD). 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. 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 calculated for lab duplicates. All had RPD values of less than 50% for parameters that had concentrations greater than two times the method detection limit. Laboratory QA/QC results can be found in the original laboratory reports (Appendix A).

Appendix B contains quality assurance data collected during each field episode. As shown in Appendix B, of the twenty eight field QA/QC samples only seven reported a parameter with RPD results greater than 50%. In three cases the concentrations under consideration were less than the PQL, therefore no further investigation is considered warranted at this time. Of the other three samples, an RPD value of greater than 50% was calculated for either sulfate, alkalinity or iron in replicate samples collected at BH14B, BH12A and P03-03-02 in May and P03-09-07 in November. Values of alkalinity in May for BH12A are 67 mg/L and 200 mg/L for the sample and replicate respectively. May values for sulfate at BH14B (20 mg/L and 1570 mg/L in split samples) and P03-03-02 (17 mg/L and 1630 mg/L in replicate samples) vary more than two orders of magnitude. Given that 2004 results were all greater than 1000 mg/L, values of 20 and 17 mg/L may be outliers and are recommended to be applied with caution. These three wells should be specifically targeted for replicate analyses in the spring 2006 sampling program to assess any consistency to this observation. Dissolved iron concentrations of 0.439 mg/L and 0.133 mg/L were recorded in replicate samples at P03-09-07 in November. These values are within the range of individual samples collected during 2004.

3. Purge Volumes for Multi-level Wells

One or more well volumes were purged from the multi-level sampling points prior to sample collection. In 2004, Environment Canada collected samples from many of the same locations and within a few days of Gartner Lee 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, during sampling, the inner sampling tube is extended to a few meters above or in some cases within the well screen (i.e. as close as possible to the well screen). Monitoring of pH, temperature and specific conductance over time during sampling showed that parameters quickly stabilized suggesting fresh formation water. This indicated that purging one well volume with the 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.

4. Discrete Depth Sampling Protocol

The technical review group recommended that wells P01-05 A/B and P01-07 C/D be monitored using a special sampling protocol. This protocol consists of collecting one extra sample at each location within the screen using a stainless steel discrete depth sampler. This was done under undisturbed conditions prior to collecting a sample using conventional purging and sampling methods. The stainless steel discrete depth sampler was slowly lowered to the desired depth and a sample was drawn into the pressurized sampling canister by relieving the pressure from a valve at ground surface. Sampling results for these locations are provided in Table 6. A detailed discussion and comparison of these samples is not included in the scope of this factual report.

5. 2005 Water Levels

All water level data available to Gartner Lee at the time of writing of this report are included in Table 7 and Table 8. Most of these data were collected by Gartner Lee during routine and AMP sampling, however, other data were also collected by Environment Canada during other sampling events and also by Gartner Lee during other field visits. All water levels were measured prior to sampling of the wells. Profiles of water levels from all multi-level wells are presented in Appendix C.

6. 2005 Groundwater Quality Data

Analytical results, including field parameters for 2005 groundwater sampling are presented in Table 9. Environment Canada conducted a project involving monitoring of a conservative bromide tracer injection at location P01-09 in 2004 and 2005. As part of this study, Environment Canada collected samples from surrounding multi-level wells throughout 2005. These data are not summarized in tables in this report, however, original lab reports provided by Environment Canada are included in Appendix A. Any samples collected by Gartner Lee as part of the tracer study monitoring are presented in this report.

7. Field Logistics and Sampling Issues

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

Several new wells were installed at the site during 2005 by others. In addition, a well decommissioning program was undertaken in September 2005 by Robertson GeoConsultants Inc. (RGC). As a result, a number of P01 series wells installed through the tailings and screened either in the tailings or the underlying aquifer were decommissioned. A map showing the location of the current monitoring network at the site is presented in Figure 2, Figure 3 and Figure 4.

7.1 Original Tailings Impoundment

The wells located in the original tailings impoundment are P01-08, P01-10 and P03-07 (Figure 2). As shown in Table 2 and Figure 2, wells P01-08 (A,B,C) and P01-10 (A,B) were decommissioned in September 2005. Also, a new well was installed by SRK in the original tailings impoundment. Conditions in 2005 were as follows:

- **P01-08A/B/C** - tubing was stuck in all three wells. Only well P01-08A could be sampled using smaller tubing. Tubing in P01-08 B and C remained stuck.
- **P01-10 A/B** - both wells were decommissioned in September 2005.
- **P03-07** - The multi-level well 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 were suspected to be frozen in 2004. This well was not sampled in 2005. The physical condition of the well should be investigated during the spring 2006 program and a determination made of its suitability for continued sampling. We note that this well is not specifically named in the Water Licence.

7.2 Second Impoundment Southeast Corner

The wells located in the southeast corner of the second impoundment are multi-level wells P03-01, P03-02 and P03-03 and P01-09 A/B/C and D. During 2005, wells P01-09 B/C and D were the subject of investigations related to well decommissioning as well as the injection site for a bromide tracer experiment led by Environment Canada. Consequently, none of the P01-09 wells were sampled by Gartner Lee in 2005. All of the P01-09 wells were decommissioned in September 2005. Groundwater quality at P03-03 is under review for links to the P01-09 wells and this should be considered when using this data. Wells P03-01, P03-02 and P03-03 were sampled in May and September of 2005. Wells at P01-09 and P03-03 were also sampled throughout 2005 by Environment Canada to monitor the evolution of the bromide tracer. Sampling data from Environment Canada that was provided at the time of writing of this report are included in Appendix A.

- **P01-09B** – down-hole packer maintained until September.
- **P01-09C/D** – down-hole packers maintained until September.
- **P01-09 A/B/C/D** – decommissioned in September.
- **P03-03-07** – degassing of the formation or production of gas occurred for over eight hours immediately following sampling in May. Bubbling of gas up the sample tube caused airlifting of groundwater to the top of the tube and out of the protective steel casing. The cause for this has not been determined. The well was therefore not sampled in September to avoid spilling of contaminated water into other sample tubes. This well should be inspected during the spring 2006 sampling program and a determination made as to its condition and the most appropriate approach to continued monitoring.
- **Location P03-02** was impractical to access as the well was surrounded by ponded water during sampling in May.

7.3 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.

- **P03-06** - the location of P03-06 was difficult to access in May due to soft tailings.
- **P03-06-06** – had insufficient volume in the monitor in May to sample properly.
- **P03-06-07** - dry in May and September.
- **P01-07 C/D** – wells were sampled in May and September using a special sampling protocol, per the technical review group. A discrete-depth sample was collected in addition to conventional samples.
- **P01-07 A/B/E** – wells were not sampled in 2005 based on recommendations from the review group.

- All **P01-07** - wells were decommissioned in September 2005.

7.4 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. Wells P01-05 A/B and P01-06 were decommissioned in September 2005. Prior to decommissioning, wells P01-05 were sampled in May and September using a sampling protocol involving a discrete depth sampler and conventional sampling. Discrete sampling results are included in this report. Well P01-06 was also sampled using conventional methods in May and September.

- **P01-05 A/B** - were sampled in both May and September using a special sampling protocol involving discrete depth samples and conventional sampling. Both wells were decommissioned in September 2005.
- **X21C** - It was noted in May and September that this well produces tailings. This was confirmed in 2004 and 2005. This well should be investigated again during the spring 2006 sampling program and a technical determination made of the appropriateness of continued monitoring of this well. Data for this well should be applied with caution until such a determination is finalized. We note that this well is listed in the Water Licence.

7.5 Toe of Intermediate Dam

The monitoring wells at the toe of the Intermediate Dam (up-gradient of the Cross-Valley Pond) are X24A-96, X24B-96, X24C-96 and X24D-96, X25A-96 and X25B-96, P01-03 and P01-04 A/B. All wells were monitored in May and September 2005.

- **P01-04 A/B** – Both wells were frozen in May. The wells were sampled in July and September.
- **X25A/B-96** – frozen in May, sampled in July 2005.
- **X24 B** - Sand is present in the well to 3.7 m below top of casing, which was confirmed by down-hole video camera in July. It is not known what mechanism has caused sand to accumulate to above the screen. Consequently, the well could not be sampled in 2005. This well should be investigated again during the spring 2006 sampling program and a technical determination made of the appropriateness of continued monitoring of this well. Data for this well should be applied with caution until such a determination is finalized. We note that this well is listed in the Water Licence.

The following wells were found to be in need of repair during the routine sampling event in May, 2005. Some of these wells (P01-01-A, P01-02A&B) were rehabilitated on July 20-23rd, 2005. The following are the new surveyed top of casing elevations for each well relative to known elevations based on surveying in November 2005.

P01-01A – 3.105m lower than X18A

P01-01B – 2.785m lower than X18A

P01-02A – 1.58m higher than P01-11

P01-02B – 2.57m higher than P01-11

7.6 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). P01-01 A/B, P01-02A/B, P03-09, P01-11, X17A/B, X18 A/B, X16 A/B. In addition, a series of new wells (P05-01, P05-02, P05-03, MW1, MW2, PW1 and PW2) were installed in August 2005 by RGC at the toe of the dam (Figure 2) (Table 1). These wells were originally installed as pumping wells and monitoring wells for a long-term pumping test. Gartner Lee designed and installed multi-level well P05-01 and assisted RGC during the installation of some of the other wells. Wells P05-01 and P05-02 were sampled during the September sampling event.

- **P01-01A** - Sampling tubing was sand-locked in the well due to the well casing having been sheared off by snow removal equipment in 2004. The well could not be sampled in May. The well was rehabilitated in July 2005 and the sampling tubing was removed from the well. A new PVC pipe now extends higher than the original casing. The well elevation should be surveyed in 2006.
- **P01-02A/B** - A well cap was lodged in the protective casing of P01-02A and had pinched the casing and sampling tube. Both wells were sampled in May using a peristaltic pump and small diameter tubing. Both monitoring wells were contained within the same cemented steel casing with a concrete base, penetrating to approximately 2 feet below ground surface. The casing was dug out and removed using a pickaxe and shovel. New PVC riser pipes were attached to P01-02A and P01-02B. The wells currently do not have protective steel casings because the riser pipes now extend much higher above ground surface to account for artesian conditions in P01-02B. The new “stick-ups” should be surveyed in 2006.
- **X17A** – frozen in May, sampled in July and September.
- **X18A** – frozen in May, sampled in July and September.

7.7 Faro Rock Dump Area

The wells located at the base of the Faro Rock Dumps (Figure 3) 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. New wells (SRK04-2 A/B, SRK 04-3 and SRK 04-4) were installed by SRK in 2004 to supplement the monitoring network associated with the Faro Rock Dump area. A transect of other new wells (SRK-SP1 to SRK-SP9) were also installed in 2005 in the vicinity of the “S” series wells (Figure 3).

- **BH13B** - had ice and slush in it and was not sampled in May.
- **SRK05-SP6** – well was dry in September.
- **SRK04-2A** - well is not functional per SRK Consulting.
- **SRK04-3A/B** – wells were sampled in May.
- **SRK04-4** – well was sampled in May.
- **SRK04-5A/B** – Wells were flowing artesian since their installation in 2004 and were sampled in September 2005. Mechanical plugs/packers were to be installed by SRK in the wells in the fall of 2005.

7.8 Vangorda Rock Dump Area

The wells located near the Vangorda Rock Dump (Figure 4) are P01-51 and P01-52 A/B (previously referred to as P2001-01A and P2001-02A/B), V37, V36, V35, and V34.

- **P01-51** – well was dry in both May and September.
- **P01-52B** – well was pumped dry in May and was not sampled because it did not recharge sufficient volume.

7.9 Grum Rock Dump Area

The wells located near the Vangorda Rock Dump (Figure 4) are P96-9A, SRK04-5 A/B, SRK05-05, SRK05-06, SRK0-07, SRK05-08 and BH05-9B-R. The wells installed in 2005 by SRK (SRK05 series) were not sampled by Gartner Lee in 2005. Well BH05-9B-R is a replacement well for well P96-9B which had become inoperable. The following issues were identified during the 2005 season:

- **SRK04-5 A and B** – wells are artesian. In 2005, SRK installed removable mechanical packers attached to steel rods to seal the wells and prevent flow and freezing. These packers were not present in May or September when these wells were sampled. Lots of green algal growth was observed at the time of sampling around the well due to flowing water.

7.10 Recommendations

Various recommendations for implementation in 2006 are provided throughout the report and are summarized as follows:

- the physical condition of each monitoring well should be inspected during each sampling event; minor maintenance requirements should either be dealt with immediately if possible or planned for the next field program; serious maintenance or repairs should be communicated to the Interim Receiver with a recommended plan for resolution;

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- wells BH12A, BH14B and P03-03-02 should be targeted for replicate sampling in spring 2006 to follow up on RPD results from 2005 (Section 2.3);
- wells P03-07, P03-03-07, X21C and X24B should be specifically investigated in spring 2006 to follow up on observations provided herein and a technical determination made regarding continued monitoring (Sections 7.1, 7.2, 7.4 and 7.5); and
- the new (2005) stick-ups for wells P01-01A, P01-02A and P01-02B should be surveyed as convenient when surveyors are on-site for other project work to save costs (Section 7.6).

This report is not intended to provide an assessment of trends or variances in the data. Consequently, users of the data are cautioned to assess the data for anomalies that may emerge as trend and variance analyses are undertaken. The following potential anomalies in the data were observed during the preparation of this report and are summarized as follows, as an aid to users of the data:

- BH12A: alkalinity replicate provided RPD > 50% (Section 2.3);
- BH14B and P03-03-02: sulphate replicate provided RPD > 50% (Section 2.3);
- P03-03: under review for link to P01-09 and bromide tracer study (Section 7.2);
- X21C: tailings in monitoring well (Section 7.4);
- X24B: sand in monitoring well (Section 7.5); and
- BH4, P03-03-01, P03-03-02: variable concentrations of aluminum and other metals through the year; aluminum might be an indicator of very fine or colloidal (i.e., sub 0.45 micron) sediment in the samples.

8. Closure

The report is meant to provide a summary of 2005 groundwater monitoring activities and data collected by Gartner Lee, per the approved workplan, as well as data provided by others. Some groundwater data collected as part of other studies at the site may not be presented here.

9. Acknowledgements

Gartner Lee would like to thank the following individuals for facilitating access to the site, assisting during the field episodes and providing useful information: Deloitte & Touche Inc. (acting as court-appointed Interim Receiver for Anvil Range Mining Corporation), Anvil Range Mining Corporation (Interim Receivership) Care and Maintenance Personnel, Faro Mine Closure Planning Office, and Environment Canada, Environmental Protection Branch.

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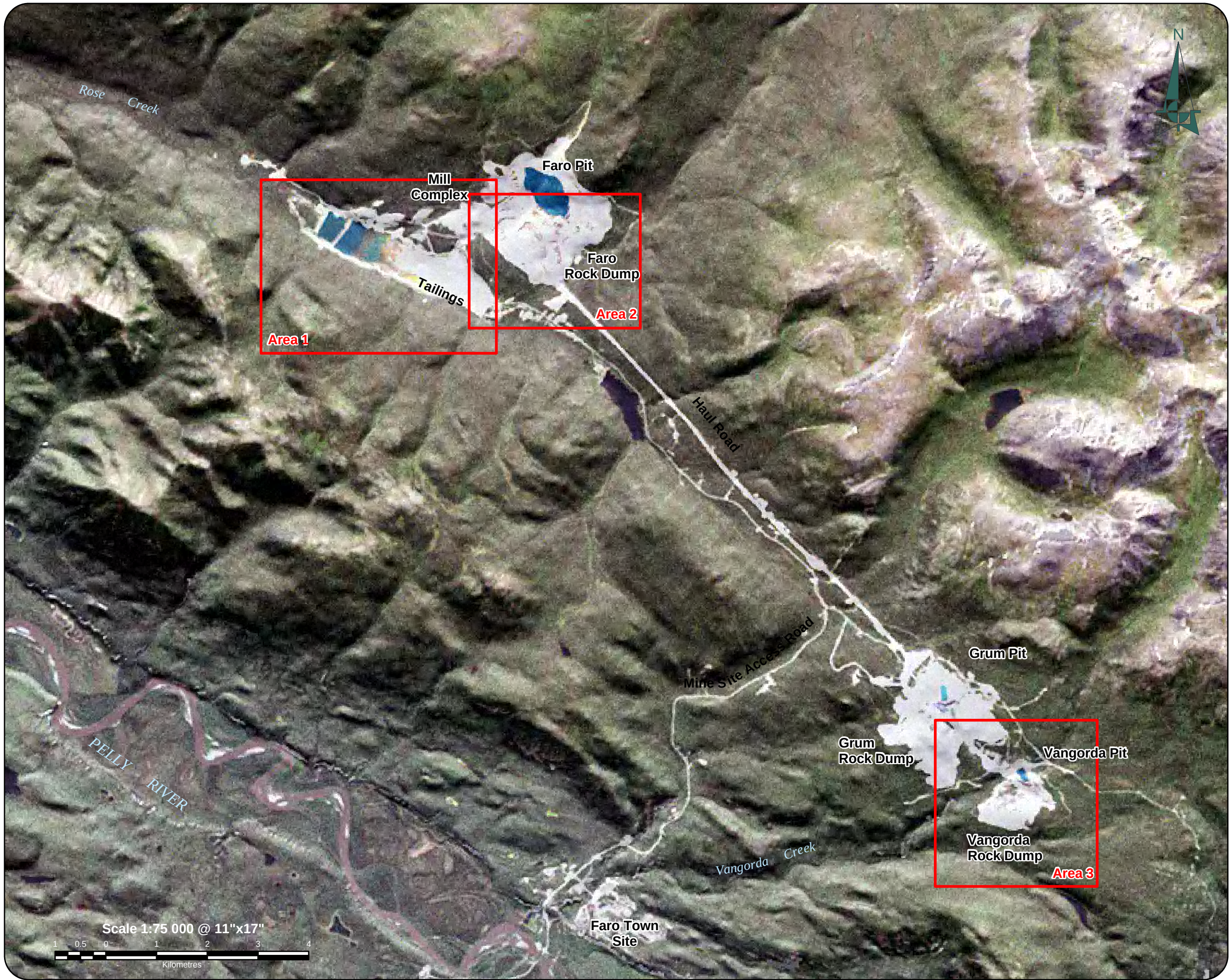
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Figures



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: GS

Reviewed By: MG

Date Issued: October 2005

Project Number: 40692

File Name: P40692_W1_Fig1_05k02.mxd

Revision: 0

Deloitte & Touche Inc.
2005 Groundwater Sampling

Faro Mine Site
Faro, Yukon



- Legend**
- Conventional Well (2005)
 - Conventional Well (<2005)
 - Decommissioned (2005)
 - Multilevel Well (2005)
 - Multilevel Well (<2005)

- Well Access Routes**
- Foot
 - ATV
 - Truck
 - Index Contours (10m)
 - Impoundment (original)

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: GS

Reviewed By: MG

Date Issued: October 2005

Project Number: 40692

File Name: P40692_W1_Fig2_05jOct24.mxd

Revision: 0

Deloitte & Touche Inc.
2005 Groundwater Sampling

Area 2 – Faro Rock Dump Area
Faro, Yukon



Legend

- Conventional Wells (2005)
- Conventional Well (<2005)
- Decommissioned (2005)
- Multilevel Well (<2005)

Well Access Routes

- Foot
- ATV
- Truck
- Index Contours (10m)

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: GS

Reviewed By: MG

Date Issued: October 2005

Project Number: 40692

File Name: P40692_W1_Fig3_05Oct20.mxd

Revision: 0

Deloitte & Touche Inc.
2005 Groundwater Sampling

Area 2 – Faro Rock Dump Area
Faro, Yukon



Legend

Wells

- Conventional Wells (2005)
- Conventional Well (<2005)

Well Access Routes

- Foot
- ATV
- Truck
- Index Contours (10m)

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: GS
Reviewed By: MG
Date Issued: October 2005
Project Number: 40692
File Name: P40692_W1_Fig4_05Oct20.mxd
Revision: 0

Deloitte & Touche Inc.
2005 Groundwater Sampling

Area 3 - Grum and Vangorda Area
Faro, Yukon

Tables

Well ID	Year of Installation	Location	Installed By	Main Purpose
P05-01	2005	Down Valley	GLL / RGC	monitoring well for pumping test and groundwater quality
P05-02			RGC	
P05-03			RGC	
MW1	2005	Down Valley	RGC	monitoring well for pumping test
MW2				pumping well for pumping test
PW1				
PW2				
SRK05-SP-1A	2005	South of Faro Rock Dumps	SRK	groundwater monitoring of Faro Rock Dumps
SRK05-SP-1B				
SRK05-SP-2				
SRK05-SP-3A				
SRK05-SP-3B				
SRK05-SP-4A				
SRK05-SP-4B				
SRK05-SP-5	2005	South of Grum Rock Dumps	SRK	groundwater monitoring of Grum Rock Dumps
SRK05-SP-6				
SRK05-05				
SRK05-06				
SRK05-07				
SRK05-08	2005	South of Grum Rock Dumps	SRK	replacement well for P96-9A
BH05-9B-R				pumping well for pumping test
PW3	2005	Faro Pit Area	RGC	monitoring well for pumping test and groundwater quality
P05-04				monitoring well for pumping test and groundwater quality
BH05-01				shallow piezometer for water levels
DP5	2005	Faro Pit Area	SRK	shallow piezometer for water levels
DP6				
SRK04-5A	2004	South of Grum Rock Dumps	SRK	groundwater monitoring of Grum Rock Dumps
SRK04-5B				
SRK04-4	2004	Former Faro Creek Channel	SRK	pump well for pumping test
SRK04-3A				monitoring well for pumping test
SRK04-3B				monitoring well for pumping test
unknown ID	2005	Original Impoundment	SRK	groundwater monitoring in Original Impoundment
SRK05-ETA-BR1	2005	Emergency Tailings Area	SRK	small diameter (1") monitoring well in bedrock
SRK05-ETA-BR2	2005	Emergency Tailings Area	SRK	small diameter (1") monitoring well in bedrock
DP1	2005		SRK	shallow piezometer for water levels
DP2	2005		SRK	shallow piezometer for water levels
DP3	2005		SRK	shallow piezometer for water levels
DP4	2005		SRK	shallow piezometer for water levels

notes:

- GLL = Gartner Lee Limited
- RGC = Robertson GeoConsultants Inc.
- SRK = SRK Consultants

Table 2. Summary of 2005 Groundwater Sampling Activities

Sampling Date	May	July *	September	November *
Well ID	May 2 - 7	July 20 - 23	Sept 5 - 12	Oct 31 - Nov 1
P01-01A	sandlocked tubing	X - rehabilitated	X	
P01-01B	X		X	
P01-02A	X **	X - rehabilitated	X	
P01-02B	X ****	X - rehabilitated	X	
P01-03	X		X	
P01-04A	frozen	X	X	
P01-04B	frozen	X	X	
P01-11	X		X	
P01-05A	X - S / P		X - S / P	D
P01-05B	X - S / P		X - S / P	D
P01-06	NS		NS	D
P01-07A	NS		NS	D
P01-07B	NS		NS	D
P01-07C	X - S / P		X - S / P	D
P01-07D	X - S / P		X - S / P	D
P01-07E	packer in well - NS		packer in well - NS	D
P01-08A	tubing stuck - X **		tubing stuck - NS	D
P01-08B	tubing stuck - NS		tubing stuck - NS	D
P01-08C	tubing stuck - NS		tubing stuck - NS	D
P01-09A	NS		NS	D
P01-09B	packer in well - NS		packer in well - NS	D
P01-09C	packer in well - NS		packer in well - NS	D
P01-09D	packer in well - NS		packer in well - NS	D
P01-10A	NS		NS	D
P01-10B	X		NS	D
P01-51	dry		dry	
P01-52A	X		X	
P01-52B	NS - no recharge		X	
X16A	X		X	
X16B	X - R		X	
X17A	frozen	X	X - R	
X17B	X - R		X	
X18A	frozen	X	X	
X18B	X		X	
X24A-96	X	X	X	X
X24B-96	NS - sand heave	NS - sand	NS - sand	
X24C-96	X	X	X	X
X24D-96	X	X	X	X
X25A-96	frozen	X - R	X	X - R
X25B-96	frozen	X	X	X
X21A-96	X		X	
X21B-96	X - R		X	
X21C-96	X		X	
BH1	X		X	
BH2	X		X	
BH4	X		X	
BH12A	X - R		X	
BH12B	X		X	
BH13A	X		X	
BH13B	NS - ice / slush		X	
BH14A	X		X	
BH14B	X - R		X	

Table 2. Summary of 2005 Groundwater Sampling Activities

Sampling Date	May	July *	September	November *
Well ID	May 2 - 7	July 20 - 23	Sept 5 - 12	Oct 31 - Nov 1
P96-6	X - S		X	
P96-7	X		X	
P96-8A	X		X - R	
P96-8B	X		X	
P96-9A	X - R		X	
V34	X		X	
V35	X		X	
V36	X		X	
V37	X		X - R	
S1A	X		X	
S1B	X		X	
S2A	X		X	
S2B	X		X	
S3	X		X	
TH86-17	suspected frozen	X	X	
SRK05-SP1A		installed in Aug.	X - S	
SRK05-SP1B		installed in Aug.	X	
SRK05-SP2		installed in Aug.	X	
SRK05-SP3A		installed in Aug.	X - R	
SRK05-SP3B		installed in Aug.	X	
SRK05-SP4A		installed in Aug.	X	
SRK05-SP4B		installed in Aug.	X	
SRK05-SP5		installed in Aug.	X	
SRK05-SP6		installed in Aug.	dry	
P05-02		installed in Aug.	X	
P05-03		installed in Aug.		
P05-04		installed in Aug.	NS	
MW1		installed in Aug.		
MW2		installed in Aug.		
PW1		installed in Aug.		
PW2		installed in Aug.		
BH05-9B-R		installed in Aug.	NS	
SRK04-3A	X - R		NS	
SRK04-3B	X		NS	
SRK04-4	X		NS	
SRK04-5A	NS		X	
SRK04-5B	NS		X	
DP1		installed in 2005	NS	
DP2		installed in 2005	NS	
DP3		installed in 2005	NS	
DP4		installed in 2005	NS	
DP5		installed in Aug.	NS	
DP6		installed in Aug.	NS	
SRK05-05C		installed in 2005	NS	
SRK05-06		installed in 2005	NS	
SRK05-07		installed in 2005	NS	
SRK05-08		installed in 2005	NS	
SRK05-ETA-BR1			installed in Sept.	
SRK05-ETA-BR2			installed in Sept.	
P03-01-01	X		X	
P03-01-02	X		X	
P03-01-03	X		X	

Table 2. Summary of 2005 Groundwater Sampling Activities

Sampling Date	May	July *	September	November *
Well ID	May 2 - 7	July 20 - 23	Sept 5 - 12	Oct 31 - Nov 1
P03-01-04	X		X	
P03-01-05	X		X	
P03-01-06	X		X	
P03-01-07	X		X	
P03-01-08	X		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 - R	
P03-02-05	X		X	
P03-02-06	X		X	
P03-02-07	X		X	
P03-02-08	X		X	
P03-02-09	X		X	
P03-03-01	X	X - EC - R	X	
P03-03-02	X - R	X - EC	X	
P03-03-03	X	X - EC	X	
P03-03-04	X	X - EC	X	
P03-03-05	X - R	X - EC	X	
P03-03-06	X	X - EC	X	
P03-03-07	X		NS	
P03-03-08	X		X	
P03-03-09	X		X	
P03-04-01	X	NS	X	
P03-04-02	X - R	X	X	X
P03-04-03	X	NS	X - R	
P03-04-04	X	X	X	X
P03-04-05	X	NS	X	
P03-04-06	X	X	X	X
P03-04-07	X	NS	X	
P03-04-08	X	X	X	
P03-04-09	X	NS	X	
P03-05-01	X		X	
P03-05-02	X		X	
P03-05-03	X		X	
P03-05-04	X		X	
P03-05-05	X - S		X - R	
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	insuff. Volume		X	
P03-06-07	dry		dry	
P03-07-01	NS		NS	
P03-07-02	NS		NS	
P03-07-03	NS		NS	
P03-07-04	NS		NS	

Table 2. Summary of 2005 Groundwater Sampling Activities

Sampling Date	May	July *	September	November *
Well ID	May 2 - 7	July 20 - 23	Sept 5 - 12	Oct 31 - Nov 1
P03-07-05	NS		NS	
P03-07-06	NS		NS	
P03-07-07	NS		NS	
P03-07-08	NS		NS	
P03-08-01	X	NS	X	
P03-08-02	X	X	X	X
P03-08-03	X	X - R	X	X
P03-08-04	X	X	X	X - R
P03-08-05	X	X	X - R	X - no GC
P03-08-06	X	NS	X	X
P03-08-07	X	NS	X	
P03-08-08	X	NS	X	
P03-09-01	X	NS	X	
P03-09-02	X	X	X	X
P03-09-03	X	NS	X	
P03-09-04	X	X	X	X
P03-09-05	X	NS	X	
P03-09-06	X	X	X	X
P03-09-07	X	X	X	X - R
P03-09-08	X	NS	X	
P03-09-09	X	X	X	X
P05-01-01		installed in Aug.	X	
P05-01-02		installed in Aug.	X	
P05-01-03		installed in Aug.	X	
P05-01-04		installed in Aug.	X	
P05-01-05		installed in Aug.	X	
P05-01-06		installed in Aug.	X	

D = well was decommissioned in Sept/Oct 2005

** = sampling for adaptive management plan (AMP).*

*** = 5/8 OD sampling tubing pinched and stuck, well sampled through 1/4" tubing using peristaltic pump*

***** = general chemistry sample only, well frozen, sample collected from above ice*

X = well was sampled

NS = well not sampled

S / P = sampled with protocol involving collecting a discrete depth sample

Bold = well screened in tailings

R = replicate sample

S = split sample

EC = well sampled for Environment Canada bromide injection monitoring

Table 3. Summary of Conventional Well Construction Details and Information

Well ID	Northing	Easting	Material	Elevation of Top of Casing (m asl)	Stickup (m)	Total Depth (btoc) (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
P01-01A	6914675.00	579819.30	2" PVC		0.48	21.84	1015.38	19.8	21.36	995.576	994.016	A
P01-01B	6914675.00	579819.30	2" PVC		0.48	35.78	1015.38	33.78	35.3	981.596	980.076	A
P01-02A	6914044.00	580050.70	2" PVC		0.70	14.76	1019.03	12.54	14.06	1006.487	1004.967	A
P01-02B	6914044.00	580050.70	2" PVC		0.68	29.08	1019.03	26.88	28.4	992.147	990.627	A
P01-03	6914071.00	580638.70	2" PVC		0.56	9.86	1031.65	7.78	9.3	1023.872	1022.352	A
P01-04A	6913893.00	580495.80	2" PVC		0.51	34.56	1031.39	32.53	34.05	998.86	997.34	A
P01-04B	6913893.00	580495.80	2" PVC		0.50	53.91	1031.39	51.89	53.41	979.5	977.98	A
**P01-05A	6913299.00	581752.80	2" PVC		0.45	10.99	1050.17	9.02	10.54	1041.146	1039.626	T
**P01-05B	6913299.00	581752.80	2" PVC		0.52	16.90	1050.09	14.86	16.38	1035.228	1033.708	A
**P01-06	6913504.00	582020.00	2" PVC		0.49	11.16	1052.13	9.15	10.67	1042.981	1041.461	A
**P01-07A	6913139.00	582217.00	2" PVC		0.49	18.47	1060.27	16.46	17.98	1043.807	1042.287	T
**P01-07B	6913139.00	582217.00	2" PVC		0.44	23.92	1060.22	21.96	23.48	1038.262	1036.742	T
**P01-07C	6913139.00	582217.00	2" PVC		0.44	28.20	1060.28	26.24	27.76	1034.039	1032.519	A
**P01-07D	6913139.00	582217.00	2" PVC		0.49	34.64	1060.49	32.65	34.15	1027.842	1026.342	A
**P01-07E	6913139.00	582217.00	2" PVC		0.39	40.80	1060.49	38.89	40.41	1021.602	1020.082	A
**P01-08A	6913119.00	582596.00	2" PVC		0.39	15.93	1063.70	14.02	15.54	1049.677	1048.157	T
**P01-08B	6913119.00	582596.00	2" PVC		0.76	26.36	1063.74	24.1	25.6	1039.635	1038.135	A
**P01-08C	6913119.00	582596.00	2" PVC		0.67	30.37	1063.75	28.8	29.7	1034.945	1034.045	A
**P01-09A	6912642.00	583196.00	2" PVC		0.44	12.16	1060.76	10.2	11.72	1050.563	1049.043	T
**P01-09B	6912642.00	583196.00	2" PVC		0.37	16.84	1060.73	14.95	16.47	1045.778	1044.258	T
**P01-09C	6912642.00	583196.00	2" PVC		0.38	22.51	1060.80	20.61	22.13	1040.194	1038.674	A
**P01-09D	6912642.00	583196.00	2" PVC		0.33	28.77	1060.80	26.92	28.44	1033.884	1032.364	A
**P01-10A	6912908.00	583221.00	2" PVC		0.49	15.68	1064.58	13.67	15.19	1050.91	1049.39	T
**P01-10B	6912908.00	583221.00	2" PVC		0.45	21.48	1064.50	19.51	21.03	1044.992	1043.472	A
P01-11	6914306.00	580214.40	2" PVC		0.55	11.22	1017.28	9.15	10.67	1008.128	1006.608	A
X16A	6914672.23	579573.93			0.50	6.50	1015.91	3	6	1012.91	1009.91	A
X16B	6914672.23	579573.93	4" dia.		0.10	34.10	1015.91	20	34	995.91	981.91	A
X17A	6914474.54	579874.27			1.15	7.35	1014.30	4.5	6.2	1009.8	1008.1	A
X17B	6914474.54	579874.27	4" dia.		0.59	25.59	1014.30	17	25	997.3	989.3	A
X18A	6914539.11	580105.49	ABS riser		0.62	11.22	1018.97	8.8	10.6	1010.17	1008.37	A
X18B	6914539.11	580105.49	ABS riser		0.68	23.48	1018.97	16.6	22.8	1002.37	996.17	A
X25A	6913945.40	580519.30			0.68	9.65	1031.40	7.44	8.97	1023.96	1022.43	A
X25B	6913945.40	580519.30			0.63	19.80	1031.40	17.7	19.17	1013.7	1012.23	A
X24A	6914123.80	580654.80	no screen		0.80	7.28	1032.30	6.42	6.48	1025.88	1025.82	A
X24B	6914123.80	580654.80	1" dia. well		0.75	12.05	1032.30	9.8	11.3	1022.5	1021	A
X24C	6914123.80	580654.80			0.70	17.17	1032.30	14.97	16.47	1017.33	1015.83	A
X24D	6914123.80	580654.80			0.70	29.04	1032.30	26.84	28.34	1005.46	1003.96	A
X21A	6913416.70	581989.30	1" dia. well		0.69	9.22	1051.40	2.43	8.53	1048.97	1042.87	T
X21B	6913416.70	581989.30	2" PVC		0.74	15.43	1051.40	11.64	14.69	1039.76	1036.71	A
X21C	6913416.70	581989.30	2" PVC		0.81	30.18	1051.40	27.86	29.37	1023.54	1022.03	A
TH86-17												
P96-6												
P96-7												
P96-8 A												
P96-8 B												

Table 3. Summary of Conventional Well Construction Details and Information

Well ID	Northing	Easting	Material	Elevation of Top of Casing (m asl)	Stickup (m)	Total Depth (btoc) (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
P96-9 A	<i>Well Survey and Construction Data Currently Being Updated</i>											
BH1												
BH2												
BH4												
BH12 A												
BH12 B												
BH13 A												
BH13 B												
BH14 A												
BH14 B												
V34												
V35												
V36												
V37												
P01-52 A												
P01-52 B												
P01-51												
S1 A												
S1 B												
S2 A												
S2 B												
S3												
BH05-01												
BH05-9B-R												
SRK-DP1												
SRK-DP2												
SRK-DP3												
SRK-DP4												
SRK-DP5												
SRK-DP6												
MW1												
MW2												
P05-02												
P05-03												
P05-04												
PW1												
PW2												
PW3												
SRK04-2A												
SRK04-2B												
SRK04-3A												
SRK04-3B												
SRK04-4												
SRK04-5A												
SRK04-5B												

Table 3. Summary of Conventional Well Construction Details and Information

Well ID	Northing	Easting	Material	Elevation of Top of Casing (m asl)	Stickup (m)	Total Depth (btoc) (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
SRK05-05C	<i>Well Survey and Construction Data For New 2005 Wells to be Updated from Field Installation Reports</i>											
SRK05-06												
SRK05-07												
SRK05-08												
SRK05-09												
SRK05-ETA-BR1 (SRK)												
SRK05-ETA-BR2 (SRK)												
SRK05-ETA-BR1												
SRK05-ETA-BR2												
ETA-05-1												
ETA-05-2												
ETA-05-3												
ETA-05-4												
ETA-05-5												
SRK05-SP-1A												
SRK05-SP-1B												
SRK05-SP-2												
SRK05-SP-3A												
SRK05-SP-3B												
SRK05-SP-4A												
SRK05-SP-4B												
SRK05-SP-5												
SRK05-SP-6												
NA-05-11A												

notes:

b (*A* = aquifer or natural soil, *T* = tailings, *BR* = Bedrock).

c DVTI = Down Valley and Tailings Impoundment Area.

c FRD = Faro Rock Dump Area.

c GV = Grum and Vangorda Areas.

** well decommissioned in 2005

Table 4. Summary of Multi-Level Well Construction Details and Information

Well ID	Northing (m)	Easting (m)	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 Screened In
P03-01-01	6912580.29	583301.28	0.53	1060.58	46.48	46.79	1014.099	1013.7942	A
P03-01-02	6912580.29	583301.28	0.53	1060.59	38.56	38.86	1022.03	1021.82	A
P03-01-03	6912580.29	583301.28	0.53	1060.58	30.33	30.63	1030.2534	1029.9486	A
P03-01-04	6912580.29	583301.28	0.53	1060.58	24.23	24.54	1036.3494	1036.0446	A
P03-01-05	6912580.29	583301.28	0.53	1060.58	18.14	18.44	1042.4454	1042.1406	A
P03-01-06	6912580.29	583301.28	0.53	1060.58	12.95	13.26	1047.627	1047.3222	A
P03-01-07	6912580.29	583301.28	0.53	1060.58	10.52	10.82	1050.0654	1049.7606	A
P03-01-08	6912580.29	583301.28	0.53	1060.58	8.99	9.30	1051.5894	1051.2846	T
P03-01-09	6912580.29	583301.28	0.53	1060.58	7.47	7.77	1053.1134	1052.8086	T
P03-02-01	6912572.26	583134.72	0.69	1059.91	33.53	33.83	1026.377	1026.0722	A
P03-02-02	6912572.26	583134.72	0.69	1059.91	30.18	30.48	1029.7298	1029.425	A
P03-02-03	6912572.26	583134.72	0.69	1059.91	22.56	22.86	1037.3498	1037.045	A
P03-02-04	6912572.26	583134.72	0.69	1059.91	16.46	16.76	1043.4458	1043.141	A
P03-02-05	6912572.26	583134.72	0.69	1059.91	13.41	13.72	1046.4938	1046.189	A
P03-02-06	6912572.26	583134.72	0.69	1059.91	12.50	12.80	1047.4082	1047.1034	A
P03-02-07	6912572.26	583134.72	0.69	1059.91	11.58	11.89	1048.3226	1048.0178	T
P03-02-08	6912572.26	583134.72	0.69	1059.91	8.53	8.84	1051.3706	1051.0658	T
P03-02-09	6912572.26	583134.72	0.69	1059.91	7.32	7.62	1052.5898	1052.285	T
P03-03-01	6912698.18	583068.11	0.82	1060.67	42.67	42.98	1018	1017.6952	A
P03-03-02	6912698.18	583068.11	0.82	1060.67	32.92	33.22	1027.7536	1027.4488	A
P03-03-03	6912698.18	583068.11	0.82	1060.67	26.82	27.13	1033.8496	1033.5448	A
P03-03-04	6912698.18	583068.11	0.82	1060.67	21.95	22.25	1038.7264	1038.4216	A
P03-03-05	6912698.18	583068.11	0.82	1060.67	18.29	18.59	1042.384	1042.0792	A
P03-03-06	6912698.18	583068.11	0.82	1060.67	16.76	17.07	1043.908	1043.6032	A
P03-03-07	6912698.18	583068.11	0.82	1060.67	14.94	15.24	1045.7368	1045.432	T
P03-03-08	6912698.18	583068.11	0.82	1060.67	11.89	12.19	1048.7848	1048.48	T
P03-03-09	6912698.18	583068.11	0.82	1060.67	8.84	9.14	1051.8328	1051.528	T
P03-04-01	6913185.77	582084.65	0.78	1060.43	57.91	58.22	1002.517	1002.2122	A
P03-04-02	6913185.77	582084.65	0.78	1060.43	47.24	47.55	1013.185	1012.8802	A
P03-04-03	6913185.77	582084.65	0.78	1060.43	41.15	41.45	1019.281	1018.9762	A
P03-04-04	6913185.77	582084.65	0.78	1060.43	34.75	35.05	1025.6818	1025.377	A
P03-04-05	6913185.77	582084.65	0.78	1060.43	25.76	26.06	1034.6734	1034.3686	A
P03-04-06	6913185.77	582084.65	0.78	1060.43	17.07	17.37	1043.3602	1043.0554	A
P03-04-07	6913185.77	582084.65	0.78	1060.43	15.24	15.54	1045.189	1044.8842	A
P03-04-08	6913185.77	582084.65	0.78	1060.43	13.41	13.72	1047.0178	1046.713	T
P03-04-09	6913185.77	582084.65	0.78	1060.43	12.50	12.80	1047.9322	1047.6274	T
P03-05-01	6912934.16	582604.60	0.84	1059.59	44.20	44.50	1015.392	1015.0872	A
P03-05-02	6912934.16	582604.60	0.84	1059.59	36.58	36.88	1023.012	1022.7072	A
P03-05-03	6912934.16	582604.60	0.84	1059.59	27.43	27.74	1032.156	1031.8512	A
P03-05-04	6912934.16	582604.60	0.84	1059.59	23.16	23.47	1036.4232	1036.1184	A
P03-05-05	6912934.16	582604.60	0.84	1059.59	21.34	21.64	1038.252	1037.9472	A
P03-05-06	6912934.16	582604.60	0.84	1059.59	18.29	18.59	1041.3	1040.9952	T
P03-05-07	6912934.16	582604.60	0.84	1059.59	13.72	14.02	1045.872	1045.5672	T
P03-05-08	6912934.16	582604.60	0.84	1059.59	10.67	10.97	1048.92	1048.6152	T
P03-06-01	6913308.75	582572.89	0.87	1061.93	25.60	25.91	1036.3218	1036.017	A
P03-06-02	6913308.75	582572.89	0.87	1061.93	22.56	22.86	1039.3698	1039.065	A
P03-06-03	6913308.75	582572.89	0.87	1061.93	19.51	19.81	1042.4178	1042.113	A
P03-06-04	6913308.75	582572.89	0.87	1061.93	16.15	16.46	1045.7706	1045.4658	A
P03-06-05	6913308.75	582572.89	0.87	1061.93	14.02	14.33	1047.9042	1047.5994	A
P03-06-06	6913308.75	582572.89	0.87	1061.93	12.19	12.50	1049.733	1049.4282	T
P03-06-07	6913308.75	582572.89	0.87	1061.93	10.67	10.97	1051.257	1050.9522	T
P03-07-01	6913278.55	582710.26	0.78	1064.21	38.10	38.40	1026.107	1025.8022	A
P03-07-02	6913278.55	582710.26	0.78	1064.21	33.53	33.83	1030.679	1030.3742	A
P03-07-03	6913278.55	582710.26	0.78	1064.21	28.65	28.96	1035.5558	1035.251	A
P03-07-04	6913278.55	582710.26	0.78	1064.21	21.34	21.64	1042.871	1042.5662	A

Table 4. Summary of Multi-Level Well Construction Details and Information

Well ID	Northing (m)	Easting (m)	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 Screened In
P03-07-05	6913278.55	582710.26	0.78	1064.21	19.81	20.12	1044.395	1044.0902	A
P03-07-06	6913278.55	582710.26	0.78	1064.21	17.98	18.29	1046.2238	1045.919	T
P03-07-07	6913278.55	582710.26	0.78	1064.21	16.46	16.76	1047.7478	1047.443	T
P03-07-08	6913278.55	582710.26	0.78	1064.21	13.41	13.72	1050.7958	1050.491	T
P03-08-01	6913514.31	580980.35	0.88	1047.47	32.31	32.61	1015.1652	1014.8604	A
P03-08-02	6913514.31	580980.35	0.88	1047.47	28.04	28.35	1019.4324	1019.1276	A
P03-08-03	6913514.31	580980.35	0.88	1047.47	24.38	24.69	1023.09	1022.7852	A
P03-08-04	6913514.31	580980.35	0.88	1047.47	22.86	23.16	1024.614	1024.3092	A
P03-08-05	6913514.31	580980.35	0.88	1047.47	21.34	21.64	1026.138	1025.8332	A
P03-08-06	6913514.31	580980.35	0.88	1047.47	19.81	20.12	1027.662	1027.3572	T
P03-08-07	6913514.31	580980.35	0.88	1047.47	16.76	17.07	1030.71	1030.4052	T
P03-08-08	6913514.31	580980.35	0.88	1047.47	13.72	14.02	1033.758	1033.4532	T
P03-09-01	6914228.89	580065.39	0.69	1017.82	34.75	35.05	983.0748	982.77	A
P03-09-02	6914228.89	580065.39	0.69	1017.82	32.00	32.31	985.818	985.5132	A
P03-09-03	6914228.89	580065.39	0.69	1017.82	26.82	27.13	990.9996	990.6948	A
P03-09-04	6914228.89	580065.39	0.69	1017.82	23.47	23.77	994.3524	994.0476	A
P03-09-05	6914228.89	580065.39	0.69	1017.82	21.64	21.95	996.1812	995.8764	A
P03-09-06	6914228.89	580065.39	0.69	1017.82	18.59	18.90	999.2292	998.9244	A
P03-09-07	6914228.89	580065.39	0.69	1017.82	13.11	13.41	1004.7156	1004.4108	A
P03-09-08	6914228.89	580065.39	0.69	1017.82	9.14	9.45	1008.678	1008.3732	A
P03-09-09	6914228.89	580065.39	0.69	1017.82	7.32	7.62	1010.5068	1010.202	A
P05-01-01	6914334.95	580165.03	0.68	1017.32	25.15	25.45	992.17	991.87	A
P05-01-02	6914334.95	580165.03	0.68	1017.32	19.67	19.82	997.65	997.50	A
P05-01-03	6914334.95	580165.03	0.68	1017.32	16.62	16.77	1000.70	1000.55	A
P05-01-04	6914334.95	580165.03	0.68	1017.32	11.13	11.28	1006.19	1006.04	A
P05-01-05	6914334.95	580165.03	0.68	1017.32	5.33	5.48	1011.99	1011.84	A
P05-01-06	6914334.95	580165.03	0.68	1017.32	3.20	3.35	1014.12	1013.97	A

notes:

* for multi-level wells, this corresponds to the elevation of the PVC centre stalk.

b (A = aquifer or natural soil, T = tailings).

- all multi-level sampling tubes are 1/2" ID - 5/8" OD HDPE tubing

Table 5. Summary of QA/QC Samples Collected in 2005

Sample ID	Sampling Date	Sampling Time	pH	Specific Conductance (us/cm)	Temp C	Sample Type
X25A-96-R	1-Nov-05	9:52	6.60	303 - not sp. cond	1.5	Replicate
P03-09-07-R	31-Oct-05	13:25	7.11	599	3.2	Replicate
P03-08-04-R	31-Oct-05	15:17	7.17	855	4.5	Replicate
X17A-R	10-Sep-05	10:55	7.72	437	3.7	Replicate
P96-8A-R	10-Sep-05	17:00	5.83	6271	8.9	Replicate
V37-R	8-Sep-05	15:51	7.7	776	4.5	Replicate
SRK-05-SP-1A-S	12-Sep-05	15:50	5.65	746	2.8	Split
SRK-05-SP-3A-R	12-Sep-05	11:45	6.04	590	4.0	Replicate
P03-02-04-R	8-Sep-05	14:05	6.29	407	4.5	Replicate
P03-04-03-R	10-Sep-05	11:29	6.19	968	5.7	Replicate
P03-05-05-R	10-Sep-05	15:41	6.86	1115	5.9	Replicate
P03-08-05-R	9-Sep-05	16:02	7.21	1414	10.0	Replicate
X25A-96-D	21-Jul-05	18:22	7.1	730	5.0	Replicate
P03-03-01-D	22-Jul-05	18:15	6.73	472.3	6.1	Replicate
P03-08-03-D	23-Jul-05	11:44	6.8	646	5.4	Replicate
X17B-R	4-May-05	9:52	6.91	1055	2.0	Replicate
X16B-R	4-May-05	13:26	7.35	706	1.3	Replicate
P96-6-R	5-May-05	16:00	5.24	1107	2	Replicate
P96-9A-R	3-May-05	15:37	6.50	0	0	Replicate
BH12A-R	6-May-05	11:15	6.47	4107	4.8	Replicate
BH14B-S	5-May-05	18:00	6.50	3114	2.5	Split
X21B-96-R	10-May-05	16:15	-	2032	3.9	Replicate
SRK-04-3A-R	5-May-05	10:48	5.61	6140	6.5	Replicate
P03-03-02-R	11-May-05	12:20	n/a	1746	5.2	Replicate
P03-03-05-D	4-May-05	16:47	6.21	987	4.8	Replicate
P03-04-02-D	3-May-05	14:37	6.07	859	4.5	Replicate
P03-05-05-S	4-May-05	11:20	6.69	1767	4.0	Split
P03-08-06-D	5-May-05	15:30	7.11	2420	4.9	Replicate

Notes:

- a split sample is collected by splitting the sampling stream between 2 bottles and using the same filtering equipment
- a replicate sample is collected as a separate sample immediately after the original sample and using new filtering equipment

Table 6. Summary of Conventional and Discrete Depth Samples at Selected Protocol Sampling Sites

ALS Lab Report ID	V8129	V8129	V8129	V8129	V8129	V8129	V8129	V8129
Sampling Method	Conventional	Discrete Depth	Conventional	Discrete Depth	Conventional	Discrete Depth	Conventional	Discrete Depth
Sample ID	P01-07D	P01-07D- DD-34M	P01-07C	P01-07C- DD-27M	P01-05A	P01-05A- DD-10M	P01-05B	P01-05B- DD-16M
Date Sampled	5/10/2005	5/10/2005	5/10/2005	5/10/2005	5/10/2005	5/10/2005	5/10/2005	5/10/2005
Physical Tests								
Conductivity (uS/cm)	1910	1820	1440	1520	1500	1330	1740	1710
Hardness CaCO ₃	1090	1010	746	641	315	263	794	919
pH	7.30	7.53	7.85	8.02	7.46	7.72	7.89	7.94
Dissolved Anions								
Alkalinity-Total CaCO ₃	148	141	194	209	26.0	27.3	222	221
Sulphate SO ₄	1020	941	605	619	682	570	794	758
Dissolved Metals								
Aluminum D-Al	<0.20	<0.20	<0.10	<0.10	<0.020	<0.020	<0.050	<0.020
Antimony D-Sb	<0.010	<0.010	<0.0050	<0.0050	0.0456	<0.0010	0.0095	<0.0010
Arsenic D-As	<0.020	<0.020	0.016	0.017	0.0044	<0.0020	0.0118	0.0058
Barium D-Ba	0.075	0.074	0.115	0.116	<0.060	<0.060	<0.060	<0.060
Beryllium D-Be	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Boron D-B	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Cadmium D-Cd	<0.0010	<0.0010	<0.00050	<0.00050	<0.00010	<0.00010	<0.00025	<0.00010
Calcium D-Ca	319	294	225	188	94.6	79.3	246	285
Chromium D-Cr	<0.010	<0.010	<0.0050	<0.0050	<0.0010	<0.0010	<0.0025	<0.0010
Cobalt D-Co	0.048	0.038	0.0115	<0.0050	0.0021	0.0018	0.0088	0.0064
Copper D-Cu	<0.020	<0.020	<0.010	<0.010	<0.0020	<0.0020	<0.0050	<0.0020
Iron D-Fe	21.2	19.9	21.8	16.7	<0.090	0.783	4.91	11.2
Lead D-Pb	<0.020	<0.020	<0.010	<0.010	0.0257	<0.0020	0.0264	<0.0020
Lithium D-Li	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Magnesium D-Mg	71.1	65.9	44.7	41.8	19.2	15.8	43.6	50.4
Manganese D-Mn	60.6	52.3	29.1	23.0	0.125	0.098	15.5	17.7
Mercury D-Hg	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum D-Mo	<0.020	<0.020	<0.010	<0.010	0.0088	0.0155	<0.0050	<0.0020
Nickel D-Ni	<0.10	<0.10	<0.050	<0.050	<0.010	<0.010	<0.025	<0.010
Selenium D-Se	<0.020	<0.020	<0.010	<0.010	<0.0020	<0.0020	<0.0050	<0.0020
Silver D-Ag	<0.0010	<0.0010	<0.00050	<0.00050	<0.00010	<0.00010	<0.00025	<0.00010
Sodium D-Na	26.3	32.4	31.1	75.3	146	174	52.4	66.3
Thallium D-Tl	<0.0040	<0.0040	<0.0020	<0.0020	<0.00040	<0.00040	<0.0010	<0.00040
Titanium D-Ti	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Uranium D-U	0.0047	0.0048	0.0075	0.0069	<0.00040	<0.00040	0.0058	0.00556
Vanadium D-V	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Zinc D-Zn	0.018	0.023	<0.015	<0.015	<0.015	0.187	0.052	0.037

Footnotes:

Results are expressed as milligrams per litre except where noted.

< = Less than the detection limit indicated.

all discrete depth samples were collected at the middle of the screen

Table 6. Summary of Conventional and Discrete Depth Samples at Selected Protocol Sampling Sites

ALS Lab Report ID	W4412	W4412	W4412	W4412	W4412	W4412	W4412	W4412
Sampling Method	Conventional	Discrete Depth	Conventional	Discrete Depth	Conventional	Discrete Depth	Conventional	Discrete Depth
Sample ID	P01-07C	P01-07C -DD27m	P01-05A	P01-05A -DD10m	P01-07D	P01-07D -DD34m	P01-05B	P01-05B -DD16m
Date Sampled	9/11/2005	9/11/2005	9/11/2005	9/11/2005	9/11/2005	9/11/2005	9/11/2005	9/11/2005
Physical Tests								
Conductivity (uS/cm)	1480	1530	1240	1270	1860	1830	1810	1770
Hardness CaCO3	923	822	294	292	985	968	935	914
pH	7.45	7.35	7.46	7.45	7.25	7.10	7.30	7.43
Dissolved Anions								
Alkalinity-Total CaCO3	218	230	30.1	24.1	147	146	237	242
Sulphate SO4	641	647	528	538	961	950	813	783
Dissolved Metals								
Aluminum D-Al	<0.10	<0.10	<0.020	<0.020	<0.10	<0.20	<0.050	<0.050
Antimony D-Sb	<0.0050	<0.0050	0.0351	0.0019	<0.0050	<0.010	0.0163	0.0045
Arsenic D-As	0.014	<0.010	0.0045	<0.0020	<0.010	<0.020	0.0226	0.0124
Barium D-Ba	0.144	0.142	<0.020	<0.020	0.070	0.068	0.028	0.035
Beryllium D-Be	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Boron D-B	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium D-Cd	<0.00050	<0.00050	<0.00010	<0.00010	<0.00050	<0.0010	<0.00025	<0.00025
Calcium D-Ca	284	249	84.5	87.9	290	283	292	281
Chromium D-Cr	<0.0050	<0.0050	<0.0010	<0.0010	<0.0050	<0.010	<0.0025	<0.0025
Cobalt D-Co	0.0112	<0.0050	0.0020	0.0019	0.0472	0.042	0.0083	0.0082
Copper D-Cu	<0.010	<0.010	<0.0020	<0.0040	<0.010	<0.020	<0.0050	<0.0050
Iron D-Fe	23.6	18.7	0.057	0.137	17.4	16.1	4.98	7.10
Lead D-Pb	<0.010	<0.010	0.0290	<0.0020	<0.010	<0.020	0.0348	<0.0050
Lithium D-Li	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Magnesium D-Mg	51.7	48.4	20.1	17.7	63.5	63.6	49.9	51.5
Manganese D-Mn	38.6	30.8	0.302	0.188	47.4	45.6	17.3	17.7
Mercury D-Hg	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum D-Mo	<0.010	<0.010	0.0096	0.0116	<0.010	<0.020	<0.0050	<0.0050
Nickel D-Ni	<0.050	<0.050	<0.010	<0.010	<0.050	<0.10	<0.025	<0.025
Selenium D-Se	<0.010	<0.010	<0.0020	<0.0020	<0.010	<0.020	<0.0050	<0.0050
Silver D-Ag	<0.00050	<0.00050	<0.00010	<0.00010	<0.00050	<0.0010	<0.00025	<0.00025
Sodium D-Na	51.9	84.6	176	183	32.5	33.5	59.6	71.0
Thallium D-Tl	<0.0020	<0.0020	<0.00040	<0.00040	<0.0020	<0.0040	<0.0010	<0.0010
Titanium D-Ti	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Uranium D-U	0.0074	0.0068	<0.00040	<0.00040	0.0047	0.0054	0.0058	0.0061
Vanadium D-V	0.060	0.061	<0.030	<0.030	<0.090	<0.070	0.033	<0.030
Zinc D-Zn	0.0090	0.0098	0.0262	0.0108	0.0149	0.0148	0.0718	0.0465

Footnotes:

Table 7. 2005 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (m asl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-01-01	0.53	1060.581	3-May-05	10:01	6.36	1054.75
P03-01-01	0.53	1060.581	8-Sep-05	9:55	6.03	1055.08
P03-01-02	0.53	1060.5872	3-May-05	10:03	6.35	1054.76
P03-01-02	0.53	1060.5872	8-Sep-05	9:57	6.10	1055.02
P03-01-03	0.53	1060.581	3-May-05	10:04	6.34	1054.77
P03-01-03	0.53	1060.581	8-Sep-05	9:59	6.08	1055.03
P03-01-04	0.53	1060.581	3-May-05	10:05	6.36	1054.75
P03-01-04	0.53	1060.581	8-Sep-05	9:59	6.10	1055.01
P03-01-05	0.53	1060.581	3-May-05	10:05	6.37	1054.74
P03-01-05	0.53	1060.581	8-Sep-05	10:00	6.10	1055.00
P03-01-06	0.53	1060.581	3-May-05	10:06	6.36	1054.75
P03-01-06	0.53	1060.581	8-Sep-05	10:01	6.08	1055.02
P03-01-07	0.53	1060.581	3-May-05	10:07	6.34	1054.77
P03-01-07	0.53	1060.581	8-Sep-05	10:02	6.02	1055.09
P03-01-08	0.53	1060.581	3-May-05	10:08	n/a	-
P03-01-08	0.53	1060.581	8-Sep-05	10:02	5.77	1055.34
P03-01-09	0.53	1060.581	3-May-05	10:10	6.39	1054.72
P03-01-09	0.53	1060.581	8-Sep-05	10:03	5.84	1055.27
P03-02-01	0.69	1059.905	11-May-05	10:09	5.86	1054.74
P03-02-01	0.69	1059.905	8-Sep-05	13:09	6.18	1054.42
P03-02-02	0.69	1059.905	11-May-05	10:11	5.86	1054.74
P03-02-02	0.69	1059.905	8-Sep-05	13:10	6.17	1054.42
P03-02-03	0.69	1059.905	11-May-05	10:12	5.84	1054.75
P03-02-03	0.69	1059.905	8-Sep-05	13:11	6.18	1054.42
P03-02-04	0.69	1059.905	11-May-05	10:13	5.84	1054.75
P03-02-04	0.69	1059.905	8-Sep-05	13:11	6.17	1054.42
P03-02-05	0.69	1059.905	11-May-05	10:14	5.86	1054.74
P03-02-05	0.69	1059.905	8-Sep-05	13:12	6.18	1054.41
P03-02-06	0.69	1059.905	11-May-05	10:14	5.89	1054.70
P03-02-06	0.69	1059.905	8-Sep-05	13:12	6.10	1054.49
P03-02-07	0.69	1059.905	11-May-05	10:16	5.74	1054.86
P03-02-07	0.69	1059.905	8-Sep-05	13:13	5.52	1055.07
P03-02-08	0.69	1059.905	11-May-05	10:17	5.69	1054.91
P03-02-08	0.69	1059.905	8-Sep-05	13:14	5.35	1055.25
P03-02-09	0.69	1059.905	11-May-05	10:18	5.61	1054.98
P03-02-09	0.69	1059.905	8-Sep-05	13:15	5.27	1055.33
P03-03-01	0.82	1060.672	4-May-04	16:11	7.53	1053.96
P03-03-01	0.82	1060.672	22-Jul-05	17:36	6.97	1054.52
P03-03-01	0.82	1060.672	8-Sep-05	15:20	7.29	1054.20
P03-03-02	0.82	1060.672	4-May-04	16:12	7.63	1053.86
P03-03-02	0.82	1060.672	22-Jul-05	17:38	7.05	1054.44
P03-03-02	0.82	1060.672	8-Sep-05	15:23	7.38	1054.11
P03-03-03	0.82	1060.672	4-May-04	16:14	7.62	1053.87
P03-03-03	0.82	1060.672	22-Jul-05	17:39	7.05	1054.44
P03-03-03	0.82	1060.672	8-Sep-05	15:23	7.34	1054.15
P03-03-04	0.82	1060.672	4-May-04	16:15	7.57	1053.92
P03-03-04	0.82	1060.672	22-Jul-05	17:40	7.08	1054.41
P03-03-04	0.82	1060.672	8-Sep-05	15:24	7.35	1054.14

Table 7. 2005 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (m asl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-03-05	0.82	1060.672	4-May-05	16:15	7.58	1053.91
P03-03-05	0.82	1060.672	22-Jul-05	17:42	7.09	1054.40
P03-03-05	0.82	1060.672	8-Sep-05	15:25	7.34	1054.15
P03-03-06	0.82	1060.672	4-May-05	16:16	7.57	1053.92
P03-03-06	0.82	1060.672	22-Jul-05	17:43	7.11	1054.38
P03-03-06	0.82	1060.672	8-Sep-05	15:26	7.32	1054.17
P03-03-07	0.82	1060.672	4-May-04	16:16	7.58	1053.91
P03-03-07	0.82	1060.672	8-Sep-05	15:27	7.33	1054.16
P03-03-08	0.82	1060.672	4-May-04	16:17	7.52	1053.97
P03-03-08	0.82	1060.672	8-Sep-05	15:28	7.14	1054.35
P03-03-09	0.82	1060.672	4-May-04	16:18	7.48	1054.01
P03-03-09	0.82	1060.672	8-Sep-05	15:29	7.04	1054.45
P03-04-01	0.78	1060.429	3-May-05	13:35	12.64	1048.57
P03-04-01	0.78	1060.429	10-Sep-05	9:13	12.36	1048.85
P03-04-01	0.78	1060.429	1-Nov-05	10:30	12.45	1048.76
P03-04-02	0.78	1060.429	1-Nov-05	13:37	12.61	1048.60
P03-04-02	0.78	1060.429	22-Jul-05	15:10	12.09	1049.12
P03-04-02	0.78	1060.429	10-Sep-05	9:14	12.32	1048.89
P03-04-02	0.78	1060.429	1-Nov-05	10:30	12.45	1048.76
P03-04-03	0.78	1060.429	3-May-05	13:41	12.53	1048.68
P03-04-03	0.78	1060.429	10-Sep-05	9:15	12.26	1048.94
P03-04-03	0.78	1060.429	1-Nov-05	10:30	21.37	1039.84
P03-04-04	0.78	1060.429	3-May-05	13:42	12.96	1048.25
P03-04-04	0.78	1060.429	22-Jul-05	15:11	12.38	1048.83
P03-04-04	0.78	1060.429	10-Sep-05	9:17	12.62	1048.58
P03-04-04	0.78	1060.429	1-Nov-05	10:30	12.75	1048.46
P03-04-05	0.78	1060.429	3-May-05	13:44	12.97	1048.24
P03-04-05	0.78	1060.429	10-Sep-05	9:18	12.62	1048.58
P03-04-05	0.78	1060.429	1-Nov-05	10:30	12.75	1048.46
P03-04-06	0.78	1060.429	3-May-05	13:48	12.92	1048.29
P03-04-06	0.78	1060.429	22-Jul-05	15:13	12.44	1048.77
P03-04-06	0.78	1060.429	10-Sep-05	9:21	12.50	1048.71
P03-04-06	0.78	1060.429	1-Nov-05	10:30	12.63	1048.58
P03-04-07	0.78	1060.429	3-May-05	13:46	12.95	1048.26
P03-04-07	0.78	1060.429	10-Sep-05	9:19	12.50	1048.71
P03-04-07	0.78	1060.429	1-Nov-05	10:30	12.63	1048.58
P03-04-08	0.78	1060.429	3-May-05	13:49	12.95	1048.26
P03-04-08	0.78	1060.429	22-Jul-05	15:13	12.52	1048.69
P03-04-08	0.78	1060.429	10-Sep-05	9:22	12.47	1048.73
P03-04-08	0.78	1060.429	1-Nov-05	10:30	12.61	1048.60
P03-04-09	0.78	1060.429	3-May-05	13:51	12.95	1048.26
P03-04-09	0.78	1060.429	10-Sep-05	9:24	12.47	1048.73
P03-04-09	0.78	1060.429	1-Nov-05	10:30	12.61	1048.60
P03-05-01	0.84	1059.588	4-May-05	10:10	8.91	1051.52
P03-05-01	0.84	1059.588	10-Sep-05	14:08	8.68	1051.75
P03-05-02	0.84	1059.588	4-May-05	10:12	8.91	1051.52
P03-05-02	0.84	1059.588	10-Sep-05	14:09	8.67	1051.76
P03-05-03	0.84	1059.588	4-May-05	10:13	8.94	1051.49

Table 7. 2005 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (m asl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-05-03	0.84	1059.588	10-Sep-05	14:11	8.70	1051.73
P03-05-04	0.84	1059.588	4-May-05	10:15	9.08	1051.36
P03-05-04	0.84	1059.588	10-Sep-05	14:12	8.81	1051.62
P03-05-05	0.84	1059.588	4-May-05	10:16	9.09	1051.35
P03-05-05	0.84	1059.588	10-Sep-05	14:13	8.80	1051.63
P03-05-06	0.84	1059.588	4-May-05	10:17	8.94	1051.49
P03-05-06	0.84	1059.588	10-Sep-05	14:14	8.62	1051.81
P03-05-07	0.84	1059.588	4-May-05	10:18	8.96	1051.47
P03-05-07	0.84	1059.588	10-Sep-05	14:15	8.66	1051.78
P03-05-08	0.84	1059.588	4-May-05	10:20	8.81	1051.63
P03-05-08	0.84	1059.588	10-Sep-05	14:17	8.50	1051.93
P03-06-01	0.87	1061.925	3-May-05	17:07	12.72	1050.07
P03-06-01	0.87	1061.925	10-Sep-05	16:49	12.32	1050.47
P03-06-02	0.87	1061.925	3-May-05	17:09	12.70	1050.09
P03-06-02	0.87	1061.925	10-Sep-05	16:43	12.32	1050.47
P03-06-03	0.87	1061.925	3-May-05	17:10	12.72	1050.07
P03-06-03	0.87	1061.925	10-Sep-05	16:44	12.32	1050.47
P03-06-04	0.87	1061.925	3-May-05	17:12	12.73	1050.07
P03-06-04	0.87	1061.925	10-Sep-05	16:45	12.34	1050.45
P03-06-05	0.87	1061.925	3-May-05	17:13	12.71	1050.08
P03-06-05	0.87	1061.925	10-Sep-05	16:46	12.29	1050.50
P03-06-06	0.87	1061.925	3-May-05	17:14	12.68	1050.11
P03-06-06	0.87	1061.925	10-Sep-05	16:47	12.26	1050.53
P03-06-07	0.87	1061.925	3-May-05	n/a	dry	-
P03-06-07	0.87	1061.925	10-Sep-05	16:48	dry	-
P03-08-01	0.88	1047.474	5-May-05	13:26	8.85	1039.50
P03-08-01	0.88	1047.474	9-Sep-05	14:19	8.46	1039.89
P03-08-01	0.88	1047.474	31-Oct-05	14:22	8.56	1039.79
P03-08-02	0.88	1047.474	5-May-05	13:28	8.86	1039.49
P03-08-02	0.88	1047.474	23-Jul-05	11:07	7.56	1040.79
P03-08-02	0.88	1047.474	9-Sep-05	14:21	8.15	1040.20
P03-08-02	0.88	1047.474	31-Oct-05	14:23	8.56	1039.79
P03-08-03	0.88	1047.474	5-May-05	13:30	8.65	1039.70
P03-08-03	0.88	1047.474	23-Jul-05	11:10	7.38	1040.97
P03-08-03	0.88	1047.474	9-Sep-05	14:23	7.95	1040.40
P03-08-03	0.88	1047.474	31-Oct-05	14:24	8.33	1040.02
P03-08-04	0.88	1047.474	5-May-05	13:31	8.66	1039.69
P03-08-04	0.88	1047.474	23-Jul-05	11:11	7.39	1040.96
P03-08-04	0.88	1047.474	9-Sep-05	14:23	7.92	1040.43
P03-08-04	0.88	1047.474	31-Oct-05	14:25	8.33	1040.02
P03-08-05	0.88	1047.474	5-May-05	13:35	8.49	1039.86
P03-08-05	0.88	1047.474	23-Jul-05	11:13	7.19	1041.16
P03-08-05	0.88	1047.474	9-Sep-05	14:24	7.72	1040.64
P03-08-05	0.88	1047.474	31-Oct-05	14:26	8.11	1040.24
P03-08-06	0.88	1047.474	5-May-05	13:13	8.06	1040.29
P03-08-06	0.88	1047.474	9-Sep-05	14:26	7.33	1041.02
P03-08-06	0.88	1047.474	31-Oct-05	14:27	7.73	1040.62
P03-08-07	0.88	1047.474	5-May-05	13:38	5.85	1042.50

Table 7. 2005 Water Level Elevation for Multi-Level Wells, Faro Mine, Yukon

Well ID	Stickup (m)	Ground Elevation (m asl)	Date	Time	Water Level Below top of Casing (m)	Water Level Elevation (m asl)
P03-08-07	0.88	1047.474	9-Sep-05	14:27	5.39	1042.96
P03-08-07	0.88	1047.474	31-Oct-05	14:28	5.89	1042.46
P03-08-08	0.88	1047.474	5-May-05	13:40	5.72	1042.63
P03-08-08	0.88	1047.474	9-Sep-05	14:29	5.26	1043.09
P03-08-08	0.88	1047.474	31-Oct-05	14:29	5.74	1042.61
P03-09-01	0.69	1017.822	4-May-05	13:34	2.64	1015.87
P03-09-01	0.69	1017.822	9-Sep-05	11:35	2.87	1015.64
P03-09-01	0.69	1017.822	31-Oct-05	12:20	2.78	1015.73
P03-09-02	0.69	1017.822	4-May-05	13:35	2.89	1015.62
P03-09-02	0.69	1017.822	22-Jul-05	11:44	2.60	1015.91
P03-09-02	0.69	1017.822	9-Sep-05	11:36	3.11	1015.40
P03-09-02	0.69	1017.822	31-Oct-05	12:21	2.78	1015.73
P03-09-03	0.69	1017.822	4-May-05	13:36	3.01	1015.50
P03-09-03	0.69	1017.822	9-Sep-05	11:37	3.33	1015.18
P03-09-03	0.69	1017.822	31-Oct-05	12:22	3.15	1015.36
P03-09-04	0.69	1017.822	4-May-05	13:36	3.33	1015.18
P03-09-04	0.69	1017.822	22-Jul-05	11:46	3.10	1015.42
P03-09-04	0.69	1017.822	9-Sep-05	11:38	3.48	1015.03
P03-09-04	0.69	1017.822	31-Oct-05	12:23	3.45	1015.06
P03-09-05	0.69	1017.822	4-May-05	13:37	3.38	1015.14
P03-09-05	0.69	1017.822	9-Sep-05	11:39	3.53	1014.99
P03-09-05	0.69	1017.822	31-Oct-05	12:24	3.49	1015.02
P03-09-06	0.69	1017.822	4-May-05	13:38	3.40	1015.11
P03-09-06	0.69	1017.822	22-Jul-05	11:47	3.18	1015.33
P03-09-06	0.69	1017.822	9-Sep-05	11:39	3.53	1014.98
P03-09-06	0.69	1017.822	31-Oct-05	12:25	3.51	1015.00
P03-09-07	0.69	1017.822	4-May-05	13:38	3.54	1014.98
P03-09-07	0.69	1017.822	22-Jul-05	11:48	3.35	1015.16
P03-09-07	0.69	1017.822	9-Sep-05	11:40	3.66	1014.85
P03-09-07	0.69	1017.822	31-Oct-05	12:26	3.66	1014.85
P03-09-08	0.69	1017.822	4-May-05	13:39	3.58	1014.94
P03-09-08	0.69	1017.822	9-Sep-05	11:40	3.71	1014.80
P03-09-08	0.69	1017.822	31-Oct-05	12:27	3.70	1014.81
P03-09-09	0.69	1017.822	4-May-05	13:40	3.75	1014.76
P03-09-09	0.69	1017.822	22-Jul-05	11:48	3.60	1014.91
P03-09-09	0.69	1017.822	9-Sep-05	11:41	4.08	1014.43
P03-09-09	0.69	1017.822	31-Oct-05	12:28	4.07	1014.44
P05-01-01	0.68	1017.32	9-Sep-05	9:47	1.69	1016.31
P05-01-01	0.68	1017.32	1-Nov-05	13:00	1.78	1016.22
P05-01-02	0.68	1017.32	9-Sep-05	9:48	1.84	1016.16
P05-01-02	0.68	1017.32	1-Nov-05	13:01	1.91	1016.09
P05-01-03	0.68	1017.32	9-Sep-05	9:48	1.86	1016.14
P05-01-03	0.68	1017.32	1-Nov-05	13:02	1.92	1016.08
P05-01-04	0.68	1017.32	9-Sep-05	9:49	1.91	1016.09
P05-01-04	0.68	1017.32	1-Nov-05	13:03	1.96	1016.04
P05-01-05	0.68	1017.32	9-Sep-05	9:49	2.25	1015.75
P05-01-05	0.68	1017.32	1-Nov-05	13:04	2.25	1015.75
P05-01-06	0.68	1017.32	9-Sep-05	9:50	2.37	1015.63
P05-01-06	0.68	1017.32	1-Nov-05	13:05	2.31	1015.69

Table 8. 2005 Water Level Elevation for Conventional Wells, Faro Mine, Yukon

Well ID	Date	Time	Water Level Below Top of Casing (m)
BH1	5-May-05	16:50	3.420
BH1	11-Sep-05	10:26	3.670
BH12A	6-May-05	10:47	2.600
BH12A	11-Sep-05	14:30	2.530
BH12B	6-May-05	10:45	2.650
BH12B	11-Sep-05	14:30	2.580
BH13A	6-May-05	9:47	4.180
BH13A	11-Sep-05	13:50	3.000
BH13B	6-May-05	9:45	3.640
BH13B	11-Sep-05	13:50	3.230
BH14A	5-May-05	17:25	3.320
BH14A	11-Sep-05	13:20	3.510
BH14B	5-May-05	17:25	3.970
BH14B	11-Sep-05	13:15	4.240
BH2	5-May-05	16:40	4.750
BH2	11-Sep-05	10:42	4.860
BH4	5-May-05	16:30	2.340
BH4	11-Sep-05	10:45	2.490
P01-01A ^(a)	4-May-05	10:58	3.740
P01-01A	20-Jul-05	17:50	3.600
P01-01A	10-Sep-05	9:02	4.020
P01-01B	4-May-05	10:58	3.750
P01-01B	10-Sep-05	9:00	3.810
P01-02A	11-May-05	14:00	2.286
P01-02A	21-Jul-05	12:10	1.720
P01-02A	9-Sep-05	10:36	2.250
P01-02B ^(a)	10-May-05	-	-
P01-02B	21-Jul-05	12:10	+1.52 mags
P01-02B	9-Sep-05	10:37	0.660
P01-03	4-May-05	16:30	3.890
P01-03	9-Sep-05	15:10	4.080
P01-04A	4-May-05	n/a	-
P01-04A	21-Jul-05	15:18	2.480
P01-04A	9-Sep-05	16:10	2.830
P01-04B	4-May-05	n/a	-
P01-04B	21-Jul-05	15:20	3.000
P01-04B	9-Sep-05	16:12	3.330
P01-05A	10-May-05	14:37	3.500
P01-05A	11-Sep-05	15:59	3.350
P01-05B	10-May-05	16:35	4.060
P01-05B	11-Sep-05	15:57	3.750
P01-07C	10-May-05	9:40	11.500
P01-07C	11-Sep-05	12:38	11.390
P01-07D	10-May-05	11:24	11.880
P01-07D	11-Sep-05	13:58	11.770
P01-08A	11-May-05	15:33	12.000
P01-11	10-May-05	14:16	0.740
P01-11	9-Sep-05	11:23	1.070
P01-51	3-May-05	10:50	too deep

Table 8. 2005 Water Level Elevation for Conventional Wells, Faro Mine, Yukon

Well ID	Date	Time	Water Level Below Top of Casing (m)
P01-51	dry	-	> 30m
P01-52A	3-May-05	10:57	5.100
P01-52A	8-Sep-05	12:00	4.760
P01-52B	3-May-05	10:53	5.350
P01-52B	8-Sep-05	12:15	4.760
P05-02	1-Sep-95	10:02	1.900
P96-6	5-May-05	15:50	9.700
P96-6	11-Sep-05	11:00	12.610
P96-7	5-May-05	15:30	8.510
P96-7	10-Sep-05	16:23	4.360
P96-8A	3-May-05	16:35	2.110
P96-8A	10-Sep-05	16:42	2.630
P96-8B	3-May-05	16:38	2.190
P96-8B	10-Sep-05	16:45	2.540
P96-9A	3-May-05	15:37	5.285
P96-9A	8-Sep-05	16:17	5.690
S1A	5-May-05	11:50	2.330
S1A	12-Sep-05	13:30	4.160
S1B	5-May-05	11:50	4.180
S1B	12-Sep-05	13:32	2.920
S2A	5-May-05	14:00	4.530
S2A	12-Sep-05	12:50	4.460
S2B	5-May-05	14:00	4.700
S2B	12-Sep-05	12:50	4.642
S3	5-May-05	14:10	2.620
S3	12-Sep-05	13:35	2.560
SRK-04-3A	5-May-05	9:48	6.410
SRK-04-3B	5-May-05	9:46	6.500
SRK-04-4	5-May-05	9:45	6.830
SRK04-ARTA	8-Sep-05	16:20	artesian
SRK04-ARTB	8-Sep-05	16:16	artesian
SRK05-SP1A	12-Sep-05	14:45	7.100
SRK05-SP1B	12-Sep-05	14:40	7.260
SRK05-SP2	12-Sep-05	14:32	1.990
SRK05-SP3A	12-Sep-05	10:20	4.740
SRK05-SP3B	12-Sep-05	10:25	3.940
SRK05-SP4A	12-Sep-05	11:23	4.110
SRK05-SP4B	12-Sep-05	11:25	1.410
SRK05-SP5	12-Sep-05	12:46	6.000
SRK05-SP6	12-Sep-05	14:30	-
TH86-17	4-May-05	17:47	10.200
TH86-17	22-Jul-05	10:10	7.180
TH86-17	10-Sep-05	15:31	8.250
V34	8-Sep-05	11:45	6.380
V34		9:41	6.870
V35	3-May-05	10:08	8.780
V35	8-Sep-05	11:13	7.740
V36	3-May-05	14:05	9.820
V36	8-Sep-05	15:20	9.400

Table 8. 2005 Water Level Elevation for Conventional Wells, Faro Mine, Yukon

Well ID	Date	Time	Water Level Below Top of Casing (m)
V37	3-May-05	15:00	9.000
V37	8-Sep-05	15:51	8.770
X16A	4-May-05	13:26	-
X16A	9-Sep-05	12:22	3.650
X16B	4-May-05	13:26	-
X16B	9-Sep-05	12:21	3.940
X17A	4-May-05	-	-
X17A	21-Jul-05	10:55	2.050
X17A	10-Sep-05	10:22	2.180
X17B	4-May-05	9:52	2.800
X17B	10-Sep-05	10:23	2.730
X18A	4-May-05	12:00	4.600
X18A	21-Jul-05	14:13	4.130
X18A	10-Sep-05	11:37	4.440
X18B	4-May-05	12:00	3.910
X18B	10-Sep-05	11:38	4.130
X21A-96	10-May-05	-	-
X21A-96	11-Sep-05	15:55	n/a
X21B-96	10-May-05	15:51	5.020
X21B-96	11-Sep-05	15:55	4.720
X21C-96	10-May-05	15:40	5.750
X21C-96	11-Sep-05	15:51	4.760
X24A-96	1-Sep-95	14:28	5.260
X24A-96	4-May-05	15:07	5.300
X24A-96	21-Jul-05	18:42	4.930
X24B-96	4-May-05	15:05	-
X24B-96	21-Jul-05	18:40	-
X24B-96	9-Sep-05	-	-
X24C-96	4-May-05	15:10	4.950
X24C-96	21-Jul-05	18:38	4.855
X24C-96	9-Sep-05	14:29	3.180
X24D-96	4-May-05	15:11	4.830
X24D-96	21-Jul-05	18:43	4.730
X24D-96	9-Sep-05	14:30	5.050
X25A-96	4-May-05	n/a	-
X25A-96	21-Jul-05	17:22	4.190
X25A-96	9-Sep-05	16:53	4.530
X25B-96	4-May-05	n/a	-
X25B-96	21-Jul-05	17:21	4.020
X25B-96	9-Sep-05	16:55	4.350

Notes:

^(a) Stick-up unknown; to be resurveyed in November 2005.

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	General Chemistry							Anions				Nutrients		Dissolved Metals								
				Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L
BH1	5/5/2005	17:00		4		424	225	7.02		147				54.9			0.043	<0.00050	<0.0010	0.057	<0.010	<0.20	0.00237	66.4	<0.00050
BH1	9/11/2005	10:52		5.7	509	499	292	6.99	6.4	164				110			0.090	<0.00050	<0.0010	0.038	<0.0050	<0.10	0.00360	85.6	<0.00050
BH12A	5/6/2005	11:10		1.3	1290	706	742	7.94	6.47	200				475			<0.020	<0.0010	<0.0020	0.044	<0.0050	<0.10	0.00029	160	<0.0010
BH12A	5/6/2005	11:10	REP	1.3	1290	706	737	8.03	6.47	67.3				469			<0.020	<0.0010	<0.0020	0.045	<0.0050	<0.10	0.00029	160	<0.0010
BH12A	9/11/2005	14:30		5.1	919	936	520	7.82	7.02	183				298			<0.020	<0.0010	<0.0020	0.033	<0.0050	<0.10	0.00023	111	<0.0010
BH12B	5/6/2005	11:55		2.3	1250	1251	705	7.96	6.2	201				451			<0.020	<0.0010	<0.0020	0.043	<0.0050	<0.10	0.00027	148	<0.0010
BH12B	9/11/2005	14:30		4	938	937	475	7.73	6.93	180				315			<0.020	<0.0010	<0.0020	0.031	<0.0050	<0.10	0.00023	105	<0.0010
BH13A	5/6/2005	10:20		2	1000	1055	511	7.89	6.11	124				406			<0.020	<0.0010	<0.0020	0.025	<0.0050	<0.10	<0.00010	136	<0.0010
BH13A	9/11/2005	13:50		2.7	756	857	362	7.98	7.59	188				234			<0.020	<0.0010	<0.0020	0.039	<0.0050	<0.10	<0.00010	100	<0.0010
BH13B	9/11/2005	13:50		2.4	1030	1048	601	7.47	7.26	101				437			<0.020	<0.0010	<0.0020	0.025	<0.0050	<0.10	<0.00010	164	<0.0010
BH14A	5/5/2005	18:00		2		3214	2320	7.75	6.16	341				1550			<0.10	<0.0050	<0.010	<0.040	<0.010	<0.20	<0.00050	612	<0.0050
BH14A	9/11/2005	13:20		6.2	3740	3809	2460	7.25	6.67	358				2040			<0.050	<0.0025	<0.0050	0.023	<0.0050	<0.10	<0.00025	600	<0.0025
BH14B	5/5/2005	18:00	SP	2.5		3114	2230	7.79	6.5	341				1570			<0.10	<0.0050	<0.010	<0.040	<0.010	<0.20	<0.00050	571	<0.0050
BH14B	5/5/2005	18:00		2.5		3114	2200	7.81	6.5	343				20.0			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	<0.00025	564	<0.0025
BH14B	9/11/2005	13:15		6.31	3220	3388	2060	7.46	6.2	312				1570			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	506	<0.0025
BH2	5/5/2005	16:45		3		505	270	6.90	5.69	101				171			0.089	<0.0025	<0.0050	0.058	<0.010	<0.20	0.0190	75.8	<0.0025
BH2	9/11/2005	11:15			506		269	6.79		100				159			0.224	<0.0025	<0.0050	0.052	<0.0050	<0.10	0.0271	70.0	<0.0025
BH4	5/5/2005	16:45		3.5		578	268	6.03	5.05	21.7				240			9.22	<0.0010	<0.0020	<0.040	<0.010	<0.20	0.0131	76.5	<0.0010
BH4	9/11/2005	11:30		5	474	435	295	7.11	6.17	125				121			0.085	<0.00050	<0.0010	0.028	<0.0050	<0.10	0.00356	85.9	<0.00050
P01-01A	7/20/2005	18:20		6.5	1310	1243	689	7.71	7.52	233				538			<0.020	<0.0010	<0.0020	0.094	<0.0050	<0.10	<0.00010	199	<0.0010
P01-01A	9/10/2005	9:30		3.24	1410	1360	633	7.63	7.12	254				559			<0.020	<0.0010	<0.0020	0.069	<0.0050	<0.10	0.00034	203	<0.0010
P01-01B	5/4/2005	10:58		3.9	1080	1152	651	8.10	7.17	249				399			<0.020	<0.0010	0.0038	0.081	<0.0050	<0.10	<0.00010	196	<0.0010
P01-01B	9/10/2005	9:50		6.07	1100	1039	515	7.15	6.85	255				377			<0.020	<0.0010	0.0033	0.064	<0.0050	<0.10	<0.00010	162	<0.0010
P01-02A	5/11/2005	13:51		4.8	646	528	354	8.09		208				141			<0.010	<0.00050	<0.0010	0.060	<0.015	<0.30	0.000060	102	<0.00050
P01-02A	7/21/2005	12:55		6.3	621	552	322	8.07	7.66	208				135			<0.010	<0.00050	<0.0010	0.062	<0.0050	<0.10	0.000070	90.0	<0.00050
P01-02A	9/9/2005	11:14		4.89	647	624	348	5.83	7.59	217				127			<0.010	<0.00050	<0.0010	0.059	<0.0050	<0.10	0.000085	100	<0.00050
P01-02B	5/10/2005	13:51			182		-	8.11		66.8				19.0			-	-	-	-	-	-	-	-	-
P01-02B	7/21/2005	13:20		6.4	509	953	266	8.10	7.54	175				103			<0.010	<0.00050	0.0034	0.033	<0.0050	<0.10	<0.000050	63.9	<0.00050
P01-02B	9/9/2005	12:11		7.62	510	520	273	6.34	8.1	193				92.3			<0.010	<0.00050	0.0035	0.032	<0.0050	<0.10	<0.000050	67.6	<0.00050
P01-03	5/4/2005	10:58		3.2	2340	2531	1760	7.69	6.63	315				1360			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00113	516	<0.0050
P01-03	9/9/2005	15:25		4.36	2420	2395	1600	7.35	6.78	324				1230			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00176	473	<0.0050
P01-04A	7/21/2005	17:10		6.4	1280	1082	615	7.46	6.48	743				31.8			<0.020	<0.0010	<0.0020	0.505	<0.0050	<0.10	<0.00010	152	<0.0010
P01-04A	9/10/2005	14:39		3.99	1290	1225	481	7.28	6.61	746				26.0			<0.020	<0.0010	<0.0020	0.475	<0.0050	<0.10	<0.00010	114	<0.0010
P01-04B	7/21/2005	16:20		4.8	1340	1147	695	7.74	7.23	295				494			<0.050	<0.0025	<0.0050	0.032	<0.0050	<0.10	<0.00025	218	<0.0025
P01-04B	9/10/2005	14:56		3.66	1350	1320	808	7.70	7.29	300				463			<0.020	<0.0010	<0.0020	0.033	<0.0050	<0.10	<0.00010	263	<0.0010
P01-05A	5/10/2005	17:55		4	1500	1106	315	7.46		26.0				682			<0.020	0.0456	0.0044	<0.060	<0.015	<0.30	<0.00010	94.6	<0.0010
P01-05A	5/10/2005	17:30	DD	4	1330	1106	263	7.72		27.3				570			<0.020	<0.0010	<0.0020	<0.060	<0.015	<0.30	<0.00010	79.3	<0.0010
P01-05A	9/11/2005	17:39	DD	6.1	1270	1020	292	7.45	7.02	24.1				538			<0.020	0.0019	<0.0020	<0.020	<0.0050	<0.10	<0.00010	87.9	<0.0010
P01-05A	9/11/2005	17:20		6.1	1240	1020	294	7.46	7.02	30.1				528			<0.020	0.0351	0.0045	<0.020	<0.0050	<0.10	<0.00010	84.5	<0.0010
P01-05B	5/10/2005	17:22		3.9	1740	1163	794	7.89		222				794			<0.050	0.0095	0.0118	<0.060	<0.015	<0.30	<0.00025	246	<0.0025
P01-05B	5/10/2005	17:00	DD	3.9	1710	1163	919	7.94		221				758			<0.020	<0.0010	0.0058	<0.060	<0.015	<0.30	<0.00010	285	<0.0010
P01-05B	9/11/2005	17:36		5.3	1810	1368	935	7.30	6.88	237															

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Dissolved Metals																	
				Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
BH1	5/5/2005	17:00		0.00087	0.0040	<0.060	0.0027	<0.10	14.4	0.217	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	5.6	<0.00020	<0.10	0.00138	<0.060	0.615
BH1	9/11/2005	10:52		0.00098	0.0041	<0.030	0.0024	<0.050	19.0	0.360	<0.00020	<0.0010	0.0069	<0.0010	<0.000050	6.4	<0.00020	<0.050	0.00162	<0.030	0.951
BH12A	5/6/2005	11:10		<0.0010	<0.0040	<0.030	<0.0020	<0.050	83.1	<0.010	<0.00020	<0.0020	0.011	0.0027	<0.00010	6.6	<0.00040	<0.050	0.00643	<0.030	0.171
BH12A	5/6/2005	11:10	REP	<0.0010	<0.0040	<0.030	<0.0020	<0.050	82.3	<0.010	<0.00020	<0.0020	0.011	0.0029	<0.00010	7.0	<0.00040	<0.050	0.00624	<0.030	0.175
BH12A	9/11/2005	14:30		<0.0010	0.0022	<0.030	<0.0020	<0.050	58.8	<0.010	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	5.0	<0.00040	<0.050	0.00532	<0.030	0.201
BH12B	5/6/2005	11:55		<0.0010	<0.0040	<0.030	<0.0020	<0.050	81.4	<0.010	<0.00020	<0.0020	0.011	0.0022	<0.00010	6.7	<0.00040	<0.050	0.00661	<0.030	0.187
BH12B	9/11/2005	14:30		<0.0010	0.0023	<0.030	<0.0020	<0.050	52.0	<0.010	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	4.4	<0.00040	<0.050	0.00515	<0.030	0.167
BH13A	5/6/2005	10:20		<0.0010	0.0069	<0.030	<0.0020	<0.050	41.8	<0.010	<0.00020	0.0049	<0.010	<0.0020	<0.00010	14.3	<0.00040	<0.050	0.00140	<0.030	0.0091
BH13A	9/11/2005	13:50		0.0012	<0.0020	2.24	<0.0020	<0.050	27.2	0.430	<0.00020	0.0054	<0.010	<0.0020	<0.00010	37.2	<0.00040	<0.050	0.00136	<0.030	0.0191
BH13B	9/11/2005	13:50		<0.0010	0.0050	<0.030	<0.0020	<0.050	46.3	<0.010	<0.00020	0.0040	<0.010	0.0053	<0.00010	4.9	<0.00040	<0.050	0.00119	<0.030	0.0080
BH14A	5/5/2005	18:00		<0.0050	<0.010	<0.060	<0.010	<0.10	192	<0.020	<0.00020	<0.010	<0.050	<0.010	<0.00050	21.6	<0.0020	<0.10	0.117	<0.060	0.019
BH14A	9/11/2005	13:20		<0.0025	<0.0050	<0.030	0.0056	0.069	233	<0.010	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	15.4	<0.0010	<0.050	0.129	0.037	0.164
BH14B	5/5/2005	18:00	SP	<0.0050	<0.010	<0.060	<0.010	<0.10	196	<0.020	<0.00020	<0.010	<0.050	<0.010	<0.00050	16.1	<0.0020	<0.10	0.137	<0.060	0.042
BH14B	5/5/2005	18:00		<0.0025	<0.0050	<0.060	<0.0050	<0.10	192	<0.020	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	15.9	<0.0010	<0.10	0.125	<0.060	0.037
BH14B	9/11/2005	13:15		<0.0025	<0.0050	<0.030	<0.0050	0.057	194	<0.010	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	12.5	<0.0010	<0.050	0.122	0.041	0.0763
BH2	5/5/2005	16:45		<0.0025	<0.0050	0.071	<0.0050	<0.10	19.5	0.023	<0.00020	<0.0050	0.052	<0.0050	<0.00025	5.0	<0.0010	<0.10	<0.0010	<0.060	13.5
BH2	9/11/2005	11:15		<0.0025	<0.0050	0.070	<0.0050	<0.050	22.9	0.021	<0.00020	<0.0050	0.069	<0.0050	<0.00025	5.6	<0.0010	<0.050	<0.0010	<0.030	17.3
BH4	5/5/2005	16:45		0.0603	0.182	<0.060	0.0025	<0.10	18.7	0.747	<0.00020	<0.0020	0.068	<0.0020	<0.00010	5.8	<0.00040	<0.10	0.00051	<0.060	7.66
BH4	9/11/2005	11:30		0.00887	0.0052	<0.030	<0.0010	<0.050	19.7	0.149	<0.00020	<0.0010	0.0186	<0.0010	<0.000050	6.3	<0.00020	<0.050	<0.00020	<0.030	1.91
P01-01A	7/20/2005	18:20		0.0011	<0.0020	<0.030	<0.0020	<0.050	46.5	2.60	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	32.0	<0.00040	<0.050	0.00664	<0.030	0.0979
P01-01A	9/10/2005	9:30		<0.0010	<0.0020	0.040	<0.0020	<0.050	30.6	2.57	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	15.9	<0.00040	<0.050	0.00688	<0.030	0.0097
P01-01B	5/4/2005	10:58		<0.0010	<0.0020	0.756	<0.0020	<0.050	39.2	0.118	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	26.8	<0.00040	<0.050	0.00588	<0.030	0.0065
P01-01B	9/10/2005	9:50		<0.0010	<0.0020	0.572	<0.0020	<0.050	26.8	0.089	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	19.0	<0.00040	<0.050	0.00606	<0.030	0.0113
P01-02A	5/11/2005	13:51		0.00051	<0.0010	<0.090	<0.0010	<0.15	24.4	1.04	<0.00020	0.0016	<0.0050	<0.0010	<0.000050	11.0	<0.00020	<0.15	0.00220	<0.090	<0.015
P01-02A	7/21/2005	12:55		0.00062	<0.0010	<0.030	<0.0010	<0.050	23.6	0.724	<0.00020	0.0020	<0.0050	<0.0010	<0.000050	11.9	<0.00020	<0.050	0.00228	<0.030	<0.0050
P01-02A	9/9/2005	11:14		<0.00050	<0.0010	<0.030	<0.0010	<0.050	23.7	1.00	<0.00020	0.0019	<0.0050	<0.0010	<0.000050	12.2	<0.00020	<0.050	0.00231	<0.030	0.0081
P01-02B	5/10/2005	13:51		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P01-02B	7/21/2005	13:20		<0.00050	<0.0010	0.507	<0.0010	<0.050	25.8	0.148	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	12.4	<0.00020	<0.050	0.00229	<0.030	<0.0050
P01-02B	9/9/2005	12:11		<0.00050	<0.0010	0.493	<0.0010	<0.050	25.3	0.141	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	12.3	<0.00020	<0.050	0.00232	<0.030	0.0087
P01-03	5/4/2005	10:58		0.0587	<0.010	0.270	<0.010	<0.050	113	39.1	<0.00020	<0.010	0.091	<0.010	<0.00050	47.7	<0.0020	<0.050	0.0072	0.099	0.0188
P01-03	9/9/2005	15:25		0.0518	<0.010	0.149	<0.010	<0.050	103	37.7	<0.00020	<0.010	0.093	<0.010	<0.00050	45.3	<0.0020	<0.050	0.0059	<0.030	0.0172
P01-04A	7/21/2005	17:10		<0.0010	<0.0020	0.815	<0.0020	0.170	57.3	0.270	<0.00020	<0.0020	<0.010	<0.0020	0.00044	76.5	<0.00040	<0.050	0.00044	<0.030	<0.0050
P01-04A	9/10/2005	14:39		<0.0010	<0.0020	0.721	<0.0020	0.175	47.7	0.248	<0.00020	<0.0020	<0.010	<0.0020	0.00036	68.6	<0.00040	<0.050	<0.00040	<0.030	<0.0050
P01-04B	7/21/2005	16:20		<0.0025	<0.0050	4.81	<0.0050	<0.050	36.7	1.15	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	46.3	<0.0010	<0.050	0.0033	<0.030	<0.0050
P01-04B	9/10/2005	14:56		<0.0010	<0.0020	5.29	<0.0020	<0.050	36.9	1.39	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	49.6	<0.00040	<0.050	0.00324	<0.030	0.0056
P01-05A	5/10/2005	17:55		0.0021	<0.0020	<0.090	0.0257	<0.15	19.2	0.125	<0.00020	0.0088	<0.010	<0.0020	<0.00010	146	<0.00040	<0.15	<0.00040	<0.090	<0.015
P01-05A	5/10/2005	17:30	DD	0.0018	<0.0020	0.783	<0.0020	<0.15	15.8	0.098	<0.00020	0.0155	<0.010	<0.0020	<0.00010	174	<0.00040	<0.15	<0.00040	<0.090	0.187
P01-05A	9/11/2005	17:39	DD	0.0019	<0.0040	0.137	<0.0020	<0.050	17.7	0.188	<0.00020	0.0116	<0.010	<0.0020	<0.00010	183	<0.00040	<0.050	<0.00040	<0.030	0.0108
P01-05A	9/11/2005	17:20		0.0020	<0.0020	0.057	0.0290	<0.050	20.1	0.302	<0.00020	0.0096	<0.010	<0.0020	<0.00010	176	<0.00040	<0.050	<0.00040	<0.030	0.0262
P01-05B	5/10/2005	17:22		0.0088	<0.0050	4.91	0.0264	<0.15	43.6	15.5	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	52.4	<0.0010	<0.15	0.0058	<0.090	0.052
P01-05B	5/10/2005	17:00	DD	0.0064	<0.0020	11.2	<0.0020	<0.15	50.4	17.7	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	66.3	<0.00040	<0.15	0.00556	<0.090	0.037
P01-05B	9/11/2005	17:36		0.0083	<0.0050	4.98	0.0348	<0.050	49.9	17.3	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	59.6	<0.0010	<0.050	0.0058	0.033	0.0718
P01-05B	9/11/2005	17:00	DD	0.0082	<0.0050	7.10	<0.0050	<0.050	51.5	17.7	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	71.0	<0.0010	<0.050	0.0061	<0.030	0.0465
P01-07C	5/10/2005	9:40		0.0115	<0.010	21.8	<0.010	<0.15	44.7	29.1	<0.00020	<0.010	<0.050	<0.010	<0.00050	31.1	<0.0020	<0.15	0.0075	<0.090	<0.015
P01-07C	5/10/2005	10:00	DD	<0.0050	<0.010	16.7	<0.010	<0.15	41.8	23.0	<0.00020	<0.010	<0.050	<0.010	<0.00050	75.3	<0.0020	<0.15	0.0069	<0.090	<0.015
P01-07C	9/11/2005	14:00	DD	<0.0050	<0.010	18.7	<0.010	<0.050	48.4	30.8	<0.00020	<0.010	<0.050	<0.010	<0.00050	84.6	<0.0020	<0.050	0.0068	0.061	0.0098
P01-07C	9/11/2005	14:30		0.0112	<0.010	23.6	<0.010	<0.050	51.7	38.6	<0.00020	<0.010	<0.050	<0.010	<0.00050	51.9	<0.0020	<0.050	0.0074	0.060	0.0

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	General Chemistry								Anions				Nutrients		Dissolved Metals								
				Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L	
P01-10B	5/11/2005	10:43			719		290	7.40		213				168			<0.020	<0.0010	0.0067	0.195	<0.015	<0.30	<0.00010	88.1	<0.0010	
P01-11	5/10/2005	14:30		3.8	1940	1572	1170	7.97		285				914			<0.020	<0.0010	0.0207	<0.060	<0.015	<0.30	<0.00010	357	<0.0010	
P01-11	9/9/2005	11:40		5.37	1970	2023	1110	7.52	7.1	316				904			<0.050	<0.0025	0.0292	0.048	<0.0050	<0.10	<0.00025	347	<0.0025	
P01-52A	5/3/2005	10:57		5.8	1320	1434	791	8.07	6.55	469				338			<0.050	<0.0025	0.0206	0.028	<0.0050	<0.10	<0.00025	173	<0.0025	
P01-52A	9/8/2005	12:15		5.4	1300	1174	769	7.82	7.08	432				314			<0.020	<0.0010	0.0514	0.022	<0.0050	<0.10	<0.00010	171	<0.0010	
P01-52B	9/8/2005	12:10		5.8	1190	1120	675	7.90	7.18	305				337			<0.020	<0.0010	0.0198	0.032	<0.0050	<0.10	<0.00010	164	<0.0010	
P03-01-01	5/3/2005	10:50		4.1	402	251	212	8.10	7.62	221				11.0			<0.010	<0.00050	0.0018	0.111	<0.0050	<0.10	<0.000050	62.3	<0.00050	
P03-01-01	9/8/2005	10:40		5.2	444	370	212	7.46	7.52	224				18.3			<0.010	<0.00050	0.0047	0.098	<0.0050	<0.10	<0.000050	64.6	<0.00050	
P03-01-02	5/3/2005	10:55		3.9	367	224	190	8.14	7.67	151				49.2			<0.010	<0.00050	0.0027	0.110	<0.0050	<0.10	<0.000050	58.0	<0.00050	
P03-01-02	9/8/2005	10:48		4.4	432	371	221	7.73	7.55	191				46.3			<0.010	<0.00050	0.0021	0.125	<0.0050	<0.10	<0.000050	69.9	<0.00050	
P03-01-03	5/3/2005	11:05		5.7	348	216	177	7.88	6.91	128				65.8			<0.010	<0.00050	0.0022	0.099	<0.0050	<0.10	<0.000050	54.4	<0.00050	
P03-01-03	9/8/2005	11:01		4.4	354	305	159	7.38	7.23	137				53.5			<0.010	<0.00050	<0.0010	0.073	<0.0050	<0.10	<0.000050	49.2	<0.00050	
P03-01-04	5/3/2005	11:10		5	567	388	328	7.27	6.81	57.9				246			<0.020	<0.0010	<0.0020	0.059	<0.0050	<0.10	0.00029	102	<0.0010	
P03-01-04	9/8/2005	11:08		4.6	543	419	271	6.75	6.2	57.0				215			<0.010	<0.00050	<0.0010	0.083	<0.0050	<0.10	0.000703	86.7	<0.00050	
P03-01-05	5/3/2005	11:30		4.9	724	508	441	7.33	6.68	72.8				327			<0.020	<0.0010	<0.0020	0.085	<0.0050	<0.10	0.00040	135	<0.0010	
P03-01-05	9/8/2005	11:18		4.5	434	361	208	7.02	6.53	79.8				134			0.013	<0.00050	<0.0010	0.046	<0.0050	<0.10	0.000113	65.4	<0.00050	
P03-01-06	5/3/2005	11:35		3.8	963	638	237	6.23	6.27	50.1				530			<0.050	<0.0025	0.0092	0.104	<0.0050	<0.10	<0.00025	56.7	<0.0025	
P03-01-06	9/8/2005	11:26		4.6	750	524	169	5.96	6.38	11.3				343			0.027	<0.0010	0.0096	0.070	<0.0050	<0.10	<0.00010	46.3	<0.0010	
P03-01-07	5/3/2005	11:50		4.4	11800	6480	1150	4.47	6.41	<1.0				13600			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	142	<0.050	
P03-01-07	9/8/2005	11:30		5.2	6120	1613	783	4.13	6.76	9.7				4820			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	109	<0.025	
P03-01-08	9/8/2005	11:36		5	20400	2119	3230	3.47	6.05	<2.0				25200			<1.0	<0.050	<0.10	<0.40	<0.10	<2.0	<0.0050	409	<0.050	
P03-01-09	5/3/2005	11:45		-	31200	-	3540	3.07	-	<1.0				54400			<1.0	<0.50	<1.0	<1.0	<0.25	<5.0	<0.050	421	<0.50	
P03-01-09	9/8/2005	11:49			23800		4390	3.36		<2.0				30600			<5.0	<0.25	<0.50	<0.40	<0.10	2.4	<0.025	475	<0.25	
P03-02-01	5/11/2005	10:39		5.2	363	388	199	8.05		148				36.0			<0.010	<0.00050	<0.0010	0.085	<0.015	<0.30	<0.000050	63.0	<0.00050	
P03-02-01	9/8/2005	13:39		4.5	416	342	222	6.20	7.4	143				62.8			<0.010	<0.00050	<0.0010	0.097	<0.0050	<0.10	<0.000050	70.2	<0.00050	
P03-02-02	5/11/2005	10:42		4.3	262	275	138	7.73		92.9				32.7			<0.010	<0.00050	<0.0010	0.083	<0.015	<0.30	<0.000050	42.4	<0.00050	
P03-02-02	9/8/2005	13:43		4.1	336	298	158	6.81	7.05	101				66.3			<0.010	<0.00050	<0.0010	0.098	<0.0050	<0.10	<0.000050	48.5	<0.00050	
P03-02-03	5/11/2005	10:55		4.7	263	259	136	7.47		92.5				33.2			<0.010	<0.00050	<0.0010	0.083	<0.015	<0.30	<0.000050	41.8	<0.00050	
P03-02-03	9/8/2005	13:56		4.3	317	280	144	6.98	6.83	91.0				67.9			<0.010	<0.00050	<0.0010	0.097	<0.0050	<0.10	<0.000050	44.1	<0.00050	
P03-02-04	5/11/2005	11:00		4.5	515	452	235	7.15		64.0				192			<0.020	<0.0010	<0.0020	<0.060	<0.015	<0.30	0.00014	74.1	<0.0010	
P03-02-04	9/8/2005	14:04		4.5	542	407	250	6.76	6.29	57.3				212			<0.050	<0.0025	<0.0050	0.049	<0.0050	<0.10	<0.00025	79.2	<0.0025	
P03-02-04	9/8/2005	14:04	REP	4.5	558	407	263	6.74	6.29	51.7				230			<0.050	<0.0025	<0.0050	0.050	<0.0050	<0.10	<0.00025	83.8	<0.0025	
P03-02-05	5/11/2005	11:15		6.1	6150	3000	2310	5.20		47.6				4860			<0.20	<0.010	<0.020	<0.060	<0.015	<0.30	<0.0010	401	<0.010	
P03-02-05	9/8/2005	14:14		4.8	6290	1545	2160	4.97	6.82	42.4				4730			<0.10	<0.0050	<0.010	<0.040	<0.010	<0.20	<0.00050	356	<0.0050	
P03-02-06	5/11/2005	11:20		5.5	7860	2912	2580	4.00		43.7				6670			<0.20	<0.010	<0.020	<0.060	<0.015	<0.30	<0.0010	411	<0.010	
P03-02-06	9/8/2005	14:27		5.2	7890	1774	2310	3.88	6.53	3.4				6760			<0.20	<0.010	<0.020	<0.040	<0.010	<0.20	<0.0010	338	<0.010	
P03-02-07	5/11/2005	11:25			9620		3050	3.75		46.8				8980			<0.20	<0.010	<0.020	<0.10	<0.025	<0.50	<0.0010	443	<0.010	
P03-02-07	9/8/2005	14:28		6	9310	2022	2860	3.63	6.35	<2.0				8570			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	407	<0.025	
P03-02-08	5/11/2005	11:42		5.6	10900	2250	2510	3.53		<2.0				11000			0.92	<0.010	0.051	0.24	<0.025	<0.50	0.0061	363	<0.010	
P03-02-08	9/8/2005	14:40		6.9	15000	2527	2770	3.81	5.45	55.6				16600			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	389	<0.050	
P03-02-09	5/11/2005	11:35		5.2	18800	2473	2180	3.31		<2.0				23600			<1.0	<0.050	<0.10	<0.40	<0.10	<2.0	<0.0050	419	<0.050	
P03-02-09	9/8/2005	14:44			18500		2120	3.50	</																	

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Dissolved Metals																	
				Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
P01-10B	5/11/2005	10:43		<0.0010	<0.0020	25.6	<0.0020	<0.15	17.1	4.65	<0.00020	0.0082	<0.010	<0.0020	<0.00010	42.4	<0.00040	<0.15	0.0169	<0.090	1.36
P01-11	5/10/2005	14:30		0.0015	<0.0020	24.7	<0.0020	<0.15	66.9	13.4	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	46.6	<0.00040	<0.15	0.00315	<0.090	<0.015
P01-11	9/9/2005	11:40		<0.0025	<0.0050	22.6	<0.0050	<0.050	60.1	12.3	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	47.8	<0.0010	<0.050	0.0043	<0.030	0.0074
P01-52A	5/3/2005	10:57		<0.0025	<0.0050	1.70	<0.0050	<0.050	87.5	0.127	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	7.8	<0.0010	<0.050	0.0216	<0.030	0.0088
P01-52A	9/8/2005	12:15		<0.0010	<0.0020	0.795	<0.0020	<0.050	82.9	0.142	<0.00020	0.0053	<0.010	<0.0020	<0.00010	6.9	<0.00040	<0.050	0.0202	<0.030	0.0067
P01-52B	9/8/2005	12:10		<0.0010	<0.0020	0.970	<0.0020	<0.050	64.5	0.216	<0.00020	0.0040	<0.010	<0.0020	<0.00010	12.4	<0.00040	<0.050	0.0132	<0.030	0.0089
P03-01-01	5/3/2005	10:50		<0.00050	<0.0010	4.23	<0.0010	<0.050	13.8	0.195	<0.00020	0.0046	<0.0050	<0.0010	<0.000050	7.8	<0.00020	<0.050	<0.00020	<0.030	0.0065
P03-01-01	9/8/2005	10:40		<0.00050	<0.0010	4.12	<0.0010	<0.050	12.2	0.156	<0.00020	0.0032	<0.0050	<0.0010	<0.000050	6.3	<0.00020	<0.050	0.00027	<0.030	<0.0050
P03-01-02	5/3/2005	10:55		0.00323	<0.0010	0.282	<0.0010	<0.050	11.0	1.09	<0.00020	0.0046	<0.0050	<0.0010	<0.000050	3.6	<0.00020	<0.050	0.00216	<0.030	0.0052
P03-01-02	9/8/2005	10:48		0.00638	<0.0010	0.432	<0.0010	<0.050	11.3	1.42	<0.00020	0.0042	<0.0050	<0.0010	<0.000050	4.1	<0.00020	<0.050	0.00206	<0.030	<0.0050
P03-01-03	5/3/2005	11:05		0.00062	<0.0010	0.535	<0.0010	<0.050	9.99	0.162	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	3.1	<0.00020	<0.050	0.00354	<0.030	0.0079
P03-01-03	9/8/2005	11:01		<0.00050	<0.0010	<0.030	<0.0010	<0.050	8.68	0.037	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	2.2	<0.00020	<0.050	0.00430	<0.030	<0.0050
P03-01-04	5/3/2005	11:10		<0.0010	<0.0020	0.300	<0.0020	<0.050	18.2	0.075	<0.00020	<0.0020	0.013	<0.0020	<0.00010	5.5	<0.00040	<0.050	<0.00040	<0.030	0.0271
P03-01-04	9/8/2005	11:08		<0.00050	<0.0010	<0.030	<0.0010	<0.050	13.3	0.168	<0.00020	<0.0010	0.0528	<0.0010	<0.000050	3.5	<0.00020	<0.050	<0.00020	<0.030	0.190
P03-01-05	5/3/2005	11:30		0.0018	<0.0020	0.444	<0.0020	<0.050	25.1	0.458	<0.00020	<0.0020	0.015	<0.0020	<0.00010	6.6	<0.00040	<0.050	<0.00040	<0.030	0.0306
P03-01-05	9/8/2005	11:18		0.00090	<0.0010	0.166	<0.0010	<0.050	10.9	0.290	<0.00020	<0.0010	0.0080	<0.0010	<0.000050	3.6	<0.00020	<0.050	<0.00020	<0.030	0.0146
P03-01-06	5/3/2005	11:35		0.0558	<0.0050	148	<0.0050	<0.050	23.2	6.21	<0.00020	<0.0050	0.053	<0.0050	<0.00025	45.3	<0.0010	<0.050	<0.0010	0.060	5.13
P03-01-06	9/8/2005	11:26		0.0636	<0.0020	114	0.0047	<0.050	13.1	6.02	<0.00020	<0.0020	0.054	<0.0020	<0.00010	18.4	<0.00040	<0.050	<0.00040	0.059	4.71
P03-01-07	5/3/2005	11:50		<0.050	<0.10	3550	<0.10	<0.50	194	24.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	408	<0.020	<0.50	<0.020	<0.30	279
P03-01-07	9/8/2005	11:30		<0.025	<0.050	3220	<0.050	<0.25	124	22.0	<0.00020	0.149	<0.25	<0.050	<0.0025	415	<0.010	<0.25	<0.010	<0.15	315
P03-01-08	9/8/2005	11:36		<0.050	<0.10	14300	<0.10	<1.0	536	88.7	<0.00020	<0.10	<0.50	<0.10	<0.0050	603	<0.020	<1.0	<0.020	<7.0	1420
P03-01-09	5/3/2005	11:45		<0.50	<1.0	23700	5.9	<2.5	604	148	0.0022	<1.0	<5.0	<1.0	<0.050	310	<0.20	<2.5	<0.20	<1.5	2450
P03-01-09	9/8/2005	11:49		<0.25	<0.50	17600	4.19	<1.0	777	109	<0.00020	<0.50	<2.5	<0.50	<0.025	766	<0.10	<1.0	<0.10	<1.0	1950
P03-02-01	5/11/2005	10:39		<0.00050	<0.0010	0.136	<0.0010	<0.15	10.1	0.611	<0.00020	0.0023	<0.0050	<0.0010	<0.000050	<6.0	<0.00020	<0.15	0.00126	<0.090	<0.015
P03-02-01	9/8/2005	13:39		0.00051	<0.0010	0.152	<0.0010	<0.050	11.3	0.573	<0.00020	0.0018	<0.0050	<0.0010	<0.000050	2.9	<0.00020	<0.050	0.00157	<0.030	<0.0050
P03-02-02	5/11/2005	10:42		<0.00050	<0.0010	<0.090	<0.0010	<0.15	7.71	<0.030	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	<6.0	<0.00020	<0.15	0.00069	<0.090	<0.015
P03-02-02	9/8/2005	13:43		<0.00050	<0.0010	0.040	<0.0010	<0.050	8.93	<0.010	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	2.3	<0.00020	<0.050	0.00092	<0.030	0.0066
P03-02-03	5/11/2005	10:55		<0.00050	<0.0010	0.514	<0.0010	<0.15	7.63	<0.030	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	<6.0	<0.00020	<0.15	0.00075	<0.090	0.086
P03-02-03	9/8/2005	13:56		<0.00050	<0.0010	0.129	<0.0010	<0.050	8.08	0.014	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	2.3	<0.00020	<0.050	0.00044	<0.030	0.0074
P03-02-04	5/11/2005	11:00		0.0053	<0.0020	0.621	<0.0020	<0.15	12.1	8.88	<0.00020	<0.0020	0.055	<0.0020	<0.00010	8.7	<0.00040	<0.15	<0.00040	<0.090	0.096
P03-02-04	9/8/2005	14:04		0.0038	<0.0050	0.574	<0.0050	0.064	12.7	9.10	<0.00020	<0.0050	0.091	<0.0050	<0.00025	7.2	<0.0010	<0.050	<0.0010	<0.030	0.246
P03-02-04	9/8/2005	14:04	REP	0.0039	<0.0050	0.578	<0.0050	0.063	13.1	9.57	<0.00020	<0.0050	0.097	<0.0050	<0.00025	7.3	<0.0010	<0.050	<0.0010	<0.030	0.272
P03-02-05	5/11/2005	11:15		<0.010	<0.020	1180	<0.020	0.15	318	21.7	<0.00020	<0.020	<0.10	<0.020	<0.0010	333	<0.0040	<0.15	0.0040	<0.090	<0.015
P03-02-05	9/8/2005	14:14		<0.0050	<0.010	1220	<0.010	0.18	309	21.3	<0.00020	0.011	<0.050	<0.010	<0.00050	353	<0.0020	<0.10	0.0041	0.668	<0.010
P03-02-06	5/11/2005	11:20		<0.010	<0.020	1860	<0.020	0.20	378	19.9	<0.00020	<0.020	<0.10	<0.020	<0.0010	368	<0.0040	<0.15	<0.0040	0.107	<0.015
P03-02-06	9/8/2005	14:27		<0.010	<0.020	1900	<0.020	0.27	357	18.6	<0.00020	<0.020	<0.10	<0.020	<0.0010	346	<0.0040	<0.10	<0.0040	1.11	<0.010
P03-02-07	5/11/2005	11:25		<0.010	<0.020	3030	0.020	<0.25	471	23.3	<0.00020	<0.020	<0.10	<0.020	<0.0010	322	<0.0040	<0.25	<0.0040	<0.15	<0.025
P03-02-07	9/8/2005	14:28		<0.025	<0.050	2710	<0.050	0.32	447	23.7	<0.00020	<0.050	<0.25	<0.050	<0.0025	340	<0.010	<0.25	<0.010	1.36	<0.025
P03-02-08	5/11/2005	11:42		<0.010	0.067	4110	2.74	<0.25	390	30.5	0.00076	<0.020	<0.10	<0.020	0.0012	223	<0.0040	<0.25	<0.0040	<0.15	15.9
P03-02-08	9/8/2005	14:40		<0.050	<0.10	8350	1.53	<0.50	437	49.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	220	<0.020	<0.50	<0.020	3.98	21.7
P03-02-09	5/11/2005	11:35		<0.050	<0.10	12700	0.30	<1.0	275	70.5	<0.00020	<0.10	<0.50	<0.10	<0.0050	54	<0.020	<1.0	<0.020	<0.60	436
P03-02-09	9/8/2005	14:44		<0.050	<0.10	12400	1.14	<1.0	266	69.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	<40	<0.020	<1.0	<0.020	5.91	477
P03-03-01	5/5/2005	16:52		0.00255	<0.0010	4.45	<0.0010	<0.050	21.2	0.191	<0.00020	0.0023	<0.0050	<0.0010	<0.000050	13.4	<0.00020	<0.050	0.00041	<0.030	0.0070
P03-03-01	7/22/2005	18:15		0.158	<0.050	482	<0.050	<0.050	41.6	14.4	<0.00020	<0.050	<0.25	<0.050	<0.0025	13.5	<0.010	<0.050	<0.010	<0.030	109
P03-03-01	7/22/2005	18:15	REP	0.160	<0.050	487	<0.050	<0.050	41.9	14.4	<0.00020	<0.050	<0.25	<0.050	<0.0025	13.5	<0.010	<0.050	<0.010	<0.030	109
P03-03-01	9/8/2005	16:10		0.00140	<0.0010	3.72	<0.0010	<0.050	18.1	0.147	<0.00020	0.0021	<0.0050	<0.0010	<0.000050	10.3	<0.00020	<0.050	0.00043	<0.030	0.0090
P03-03-02	5/11/2005	12:20	REP	0.210	0.060	520	<0.020	<0.15	50.7	17.4	<0.00020	<0.020	0.27	<0.020	<0.0010	12.9	<0.0040	<0.15	<0.0040	<0.090	132
P03-03-02	5/11/2																				

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	General Chemistry							Anions				Nutrients		Dissolved Metals								
				Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L
P03-03-03	9/8/2005	16:40		7.2	926	713	487	5.08	5.11	4.2	<0.010	0.63	0.041	463	<0.0050	<0.0010	0.188	<0.0025	<0.0050	0.022	<0.0050	<0.10	0.0110	147	<0.0025
P03-03-04	5/5/2005	9:59		4.2		674	310	6.44	5.43	23.1	<0.050			320			<0.050	<0.0025	<0.0050	0.060	<0.0050	<0.10	0.00215	92.2	<0.0025
P03-03-04	7/22/2005	18:50		4.7	772	640	324	6.25	6.11	13.5	<0.010	<0.50	<0.020	396	<0.10	<0.10	<0.050	<0.0025	<0.0050	0.064	<0.0050	<0.10	0.00212	95.2	<0.0025
P03-03-04	9/8/2005	16:45		4.2	1000	748	525	6.38	5.87	20.5	<0.010	0.67	<0.020	484	<0.0050	<0.0010	<0.10	<0.0050	<0.010	0.094	<0.0050	<0.10	0.00247	160	<0.0050
P03-03-05	5/5/2005	16:47		4.8		987	451	7.01	6.21	100	<0.050			437			<0.10	<0.0050	0.011	0.141	<0.0050	<0.10	<0.00050	136	<0.0050
P03-03-05	5/5/2005	16:47	REP	4.8		987	471	6.86	6.21	104	<0.050			435			<0.10	<0.0050	<0.010	0.152	<0.0050	<0.10	<0.00050	142	<0.0050
P03-03-05	7/22/2005	19:07		5.9	961	926	423	6.75	6.46	87.9	<0.010	0.53	0.090	450	<0.10	<0.10	<0.10	<0.0050	0.010	0.129	<0.0050	<0.10	<0.00050	127	<0.0050
P03-03-05	9/8/2005	17:00		4.8	1090	790	518	6.96	6.58	75.1	<0.010	0.66	0.071	499	<0.0050	<0.0010	<0.10	<0.0050	<0.010	0.153	<0.0050	<0.10	<0.00050	161	<0.0050
P03-03-06	5/5/2005	16:56		5		2860	905	6.14	6.84	101	<1.0			1680			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	246	<0.0025
P03-03-06	7/22/2005	19:40		10	1850	1722	690	6.29	6.92	9.2	<0.10	<5.0	<0.20	1060	<1.0	<1.0	<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	189	<0.0025
P03-03-06	9/8/2005	17:09		5	1800	1180	667	6.03	7.11	18.6				998			<0.020	<0.0010	<0.0020	<0.020	<0.0050	<0.10	<0.00010	190	<0.0010
P03-03-07	5/5/2005	10:45		7		7820	2990	3.72	5.65	<1.0	<50			13700			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	428	<0.050
P03-03-08	5/5/2005	10:40		7		22800	4660	3.18	5.28	<1.0	<50			25100			<5.0	<0.25	<0.50	<0.40	<0.10	<2.0	<0.025	457	<0.25
P03-03-08	9/8/2005	17:21			23300		5140	3.36		46.8				28300			<2.0	<0.10	<0.20	<0.40	<0.10	<2.0	<0.010	495	<0.10
P03-03-09	9/8/2005	17:26			26900		5330	3.32		69.4				34000			<2.0	<0.10	<0.20	<0.40	<0.10	<3.0	<0.010	478	<0.10
P03-04-01	5/3/2005	14:10		4.5	1860	1154	924	7.92	6.84	261				950			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	294	<0.0025
P03-04-01	9/10/2005	10:29		6	1880	1207	1110	7.84	7.15	259				838			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	363	<0.0025
P03-04-02	5/3/2005	14:30		4.5	1380	859	725	7.22	6.07	111				745			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00060	209	<0.0050
P03-04-02	5/3/2005	14:37	REP	4.5	1370	859	681	7.23	6.07	107				693			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00065	195	<0.0050
P03-04-02	7/22/2005	15:28		5.1	1500	1202	748	6.81	6.69	120				726			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00222	216	<0.0050
P03-04-02	9/10/2005	11:02		6.4	1520	1025	1100	6.97	6.24	110				776			<0.050	<0.0025	<0.0050	0.022	<0.0050	<0.10	0.00246	325	<0.0025
P03-04-03	5/3/2005	15:10		4.6	1350	818	647	6.97	6.53	88.0				729			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00064	185	<0.0050
P03-04-03	9/10/2005	11:25		5.7	1410	968	653	6.92	6.19	93.9				715			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	0.00055	194	<0.0025
P03-04-03	9/10/2005	11:29	REP	5.7	1410	968	694	6.90	6.19	90.6				711			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	0.00063	204	<0.0025
P03-04-04	5/3/2005	15:15		4	1080	655	393	8.06	7.04	208				409			<0.020	<0.0010	0.0049	0.051	<0.0050	<0.10	<0.00010	127	<0.0010
P03-04-04	7/22/2005	16:00		6.5	1170	1006	448	7.64	7.06	193				422			<0.020	<0.0010	0.0060	0.064	<0.0050	<0.10	<0.00010	144	<0.0010
P03-04-04	9/10/2005	10:08		5.5	1410	1019	794	6.85	6.01	92.8				702			<0.050	<0.0025	<0.0050	0.020	<0.0050	<0.10	0.00056	234	<0.0025
P03-04-05	5/3/2005	15:30		4.2	1420	922	709	7.11	6.67	141				710			<0.10	<0.0050	<0.010	0.060	<0.0050	<0.10	<0.00050	208	<0.0050
P03-04-05	9/10/2005	11:45		5.6	1360	938	709	7.18	6.64	121				604			<0.050	<0.0025	0.0064	0.052	<0.0050	<0.10	<0.00025	215	<0.0025
P03-04-06	5/3/2005	15:45		4.8	7470	5180	1360	4.01	6.32	57.9				8060			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	398	<0.050
P03-04-06	7/22/2005	17:00		4.7	5180	2967	1640	5.63	6	50.8				4400			<0.20	<0.010	<0.020	<0.040	<0.010	<0.20	<0.0010	472	<0.010
P03-04-06	9/10/2005	11:58		7.1	11600	2400	1800	3.90	6.12	<2.0				12200			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	441	<0.025
P03-04-07	5/3/2005	15:58		4.4	5410	3630	1550	5.06	6.29	69.0				4960			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	442	<0.025
P03-04-07	9/10/2005	12:09		5.7	10400	2258	1700	5.54	6.14	51.5				10700			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	448	<0.025
P03-04-08	5/3/2005	16:06		7.7	8230	5440	1190	3.35	6.1	<1.0				8350			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	389	<0.050
P03-04-08	7/22/2005	17:00		11.6	8860	3760	1340	4.14	6.03	47.4				9350			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	429	<0.025
P03-04-08	9/10/2005	12:20		7.9	9960	2482	1490	3.85	5.79	51.0				10100			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	449	<0.025
P03-04-09	5/3/2005	16:30		-	6800	-	-	3.56	-	<1.0				<10			-	-	-	-	-	-	-	-	-
P03-04-09	9/10/2005	12:28		8.6	7890	2362	1470	3.81	5.79	2.8				7500			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	489	<0.025
P03-05-01	5/4/2005	10:30		3.9	1450	1481	808	7.87	6.86	182	<0.050			713			<0.050	<0.0025	<0.0050	0.035	<0.0050	<0.10	<0.00025	248	<0.0025

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Dissolved Metals																	
				Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
P03-03-03	9/8/2005	16:40		0.268	<0.0050	50.0	<0.0050	0.055	29.0	20.7	<0.00020	<0.0050	0.317	<0.0050	<0.00025	9.7	<0.0010	<0.050	<0.0010	<0.060	18.9
P03-03-04	5/5/2005	9:59		0.153	<0.0050	21.9	<0.0050	<0.050	19.3	15.3	<0.00020	<0.0050	0.146	<0.0050	<0.00025	12.2	<0.0010	<0.050	<0.0010	<0.030	3.52
P03-03-04	7/22/2005	18:50		0.146	<0.0050	24.6	<0.0050	<0.050	21.0	19.2	<0.00020	<0.0050	0.141	<0.0050	<0.00025	14.4	<0.0010	<0.050	<0.0010	<0.030	3.69
P03-03-04	9/8/2005	16:45		0.171	<0.010	40.5	<0.010	<0.050	30.4	31.0	<0.00020	<0.010	0.160	<0.010	<0.00050	18.5	<0.0020	<0.050	<0.0020	<0.060	5.31
P03-03-05	5/5/2005	16:47		0.0331	<0.010	21.1	<0.010	<0.050	26.7	31.5	<0.00020	<0.010	<0.050	<0.010	<0.00050	36.2	<0.0020	<0.050	<0.0020	<0.030	0.0778
P03-03-05	5/5/2005	16:47	REP	0.0325	<0.010	22.0	<0.010	<0.050	28.1	32.4	<0.00020	<0.010	<0.050	<0.010	<0.00050	38.6	<0.0020	<0.050	<0.0020	<0.030	0.0808
P03-03-05	7/22/2005	19:07		0.0293	<0.010	19.2	<0.010	<0.050	25.6	34.2	<0.00020	<0.010	<0.050	<0.010	<0.00050	26.3	<0.0020	<0.050	<0.0020	<0.030	0.0724
P03-03-05	9/8/2005	17:00		0.0323	<0.010	24.5	<0.010	<0.050	28.3	39.9	<0.00020	<0.010	<0.050	<0.010	<0.00050	27.1	<0.0020	<0.050	<0.0020	<0.060	0.0930
P03-03-06	5/5/2005	16:56		<0.0025	<0.0050	132	<0.0050	<0.050	70.8	8.20	<0.00020	0.0067	<0.025	<0.0050	<0.00025	162	<0.0010	<0.050	<0.0010	<0.030	0.0085
P03-03-06	7/22/2005	19:40		<0.0025	<0.0050	114	<0.0050	<0.050	52.9	9.71	<0.00020	0.0058	<0.025	<0.0050	<0.00025	126	<0.0010	<0.050	<0.0010	<0.030	0.0080
P03-03-06	9/8/2005	17:09		<0.0010	<0.0020	110	<0.0020	<0.050	47.0	9.02	<0.00020	0.0046	<0.010	<0.0020	<0.00010	99.2	<0.00040	<0.050	<0.00040	<0.080	0.0099
P03-03-07	5/5/2005	10:45		<0.050	<0.10	5300	<0.10	<0.50	466	64.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	494	<0.020	<0.50	<0.020	3.35	56.5
P03-03-08	5/5/2005	10:40		<0.25	<0.50	16300	1.01	<1.0	854	206	<0.00020	<0.50	<2.5	<0.50	<0.025	502	<0.10	<1.0	<0.10	9.65	703
P03-03-08	9/8/2005	17:21		<0.10	<0.20	15800	<0.20	<1.0	948	204	<0.00020	<0.20	<1.0	<0.20	<0.010	504	<0.040	<1.0	<0.040	<8.0	897
P03-03-09	9/8/2005	17:26		<0.10	<0.20	20500	2.48	<1.0	1000	242	0.00039	<0.20	<1.0	<0.20	<0.010	524	<0.040	<1.0	<0.040	<11	1100
P03-04-01	5/3/2005	14:10		<0.0025	<0.0050	5.00	<0.0050	<0.050	46.2	1.43	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	94.4	<0.0010	<0.050	0.0067	<0.030	0.0491
P03-04-01	9/10/2005	10:29		<0.0025	<0.0050	5.01	<0.0050	<0.050	49.4	1.44	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	94.8	<0.0010	<0.050	0.0066	<0.030	0.0082
P03-04-02	5/3/2005	14:30		0.0808	<0.010	0.205	<0.010	<0.050	49.6	26.4	<0.00020	<0.010	0.120	<0.010	<0.00050	36.1	<0.0020	<0.050	<0.0020	0.047	0.0459
P03-04-02	5/3/2005	14:37	REP	0.0843	<0.010	0.206	<0.010	<0.050	46.9	25.2	<0.00020	<0.010	0.127	<0.010	<0.00050	32.0	<0.0020	<0.050	<0.0020	0.057	0.0424
P03-04-02	7/22/2005	15:28		0.0734	<0.010	0.123	<0.010	<0.050	50.8	29.4	<0.00020	<0.010	0.119	<0.010	<0.00050	33.9	<0.0020	<0.050	<0.0020	<0.030	0.0459
P03-04-02	9/10/2005	11:02		0.0803	<0.0050	0.156	<0.0050	<0.050	70.5	35.6	<0.00020	<0.0050	0.132	<0.0050	<0.00025	33.3	<0.0010	<0.050	<0.0010	<0.060	0.0817
P03-04-03	5/3/2005	15:10		0.0667	<0.010	0.411	<0.010	<0.050	45.2	24.7	<0.00020	<0.010	0.104	<0.010	<0.00050	32.9	<0.0020	<0.050	<0.0020	0.068	0.0460
P03-04-03	9/10/2005	11:25		0.0636	<0.0050	0.371	<0.0050	<0.050	41.1	25.7	<0.00020	<0.0050	0.103	<0.0050	<0.00025	23.3	<0.0010	<0.050	<0.0010	<0.040	0.0487
P03-04-03	9/10/2005	11:29	REP	0.0632	<0.0050	0.393	<0.0050	<0.050	45.0	28.0	<0.00020	<0.0050	0.102	<0.0050	<0.00025	25.8	<0.0010	<0.050	<0.0010	<0.030	0.0528
P03-04-04	5/3/2005	15:15		0.0025	<0.0020	3.53	<0.0020	<0.050	18.3	2.84	<0.00020	0.0025	<0.010	<0.0020	<0.00010	86.9	<0.00040	<0.050	0.00228	<0.030	0.0059
P03-04-04	7/22/2005	16:00		0.0044	<0.0020	4.32	<0.0020	<0.050	21.4	4.15	<0.00020	0.0028	<0.010	<0.0020	<0.00010	87.4	<0.00040	<0.050	0.00326	<0.030	0.0054
P03-04-04	9/10/2005	10:08		0.0659	<0.0050	0.494	<0.0050	<0.050	51.1	30.5	<0.00020	<0.0050	0.107	<0.0050	<0.00025	29.4	<0.0010	<0.050	<0.0010	<0.080	0.0569
P03-04-05	5/3/2005	15:30		0.0273	<0.010	24.7	<0.010	<0.050	45.9	29.6	<0.00020	<0.010	<0.050	<0.010	<0.00050	29.6	<0.0020	<0.050	<0.0020	0.059	0.0742
P03-04-05	9/10/2005	11:45		0.0206	<0.0050	21.7	<0.0050	<0.050	42.0	28.8	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	23.9	<0.0010	<0.050	0.0016	<0.070	0.0699
P03-04-06	5/3/2005	15:45		<0.050	<0.10	3770	<0.10	<0.50	89.9	25.1	<0.00020	<0.10	<0.50	<0.10	<0.0050	44	<0.020	<0.50	<0.020	<0.30	5.08
P03-04-06	7/22/2005	17:00		0.039	<0.020	1380	<0.020	<0.10	112	16.3	<0.00020	<0.020	<0.10	<0.020	<0.0010	113	<0.0040	<0.10	<0.0040	<0.060	5.11
P03-04-06	9/10/2005	11:58		<0.025	<0.050	6010	<0.050	<0.50	170	48.2	<0.00020	<0.050	<0.25	<0.050	<0.0025	31	<0.010	<0.50	<0.010	<3.0	12.0
P03-04-07	5/3/2005	15:58		0.036	<0.050	1960	<0.050	<0.50	107	14.3	<0.00020	<0.050	<0.25	<0.050	<0.0025	85	<0.010	<0.50	<0.010	<0.30	1.80
P03-04-07	9/10/2005	12:09		<0.025	<0.050	5320	<0.050	<0.50	141	39.2	<0.00020	<0.050	<0.25	<0.050	<0.0025	37	<0.010	<0.50	<0.010	<2.5	5.54
P03-04-08	5/3/2005	16:06		<0.050	<0.10	3830	<0.10	<0.50	53.9	21.0	<0.00020	<0.10	<0.50	<0.10	<0.0050	<20	<0.020	<0.50	<0.020	<0.30	2.76
P03-04-08	7/22/2005	17:00		<0.025	<0.050	4290	<0.050	<0.25	65.5	26.0	<0.00020	<0.050	<0.25	<0.050	<0.0025	11	<0.010	<0.25	<0.010	<0.15	2.68
P03-04-08	9/10/2005	12:20		<0.025	<0.050	5180	<0.050	<0.50	88.8	30.8	<0.00020	<0.050	<0.25	<0.050	<0.0025	<20	<0.010	<0.50	<0.010	<2.5	3.08
P03-04-09	5/3/2005	16:30		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P03-04-09	9/10/2005	12:28		<0.025	<0.050	3700	0.346	<0.50	61.3	19.1	<0.00020	<0.050	<0.25	<0.050	<0.0025	<20	<0.010	<0.50	<0.010	<2.0	7.24
P03-05-01	5/4/2005	10:30		<0.0025	<0.0050	5.75	<0.0050	<0.050	46.0	0.692	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	27.8	<0.0010	<0.050	<0.0010	<0.030	0.0225
P03-05-01	9/10/2005	15:00		<0.0025	<0.0050	5.88	<0.0050	<0.050	48.2	0.712	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	28.8	<0.0010	<0.050	<0.0010	<0.030	0.0062
P03-05-02	5/4/2005	10:45		0.0086	<0.0050	6.15	<0.0050	<0.050	30.7	11.0	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	11.4	<0.0010	<0.050	0.0044	0.044	0.0079
P03-05-02	9/10/2005	14:52		0.0091	<0.0050	6.52	<0.0050	<0.050	32.2	12.0	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	10.5	<0.0010	<0.050	0.0038	<0.030	0.0074
P03-05-03	5/4/2005	10:50		0.0041	<0.0050	0.896	<0.0050	<0.050	26.9	10.5	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	11.7	<0.0010	<0.050	0.0041	0.039	0.0073
P03-05-03	9/10/2005	15:18		0.0044	<0.0050	1.14	<0.0050	<0.050	24.3	9.59	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	10.0	<0.0010	<0.050	0.0043	<0.030	0.0062
P03-05-04	5/4/2005	11:00		0.0049	<0.0050	0.094	<0.0050	<0.050	26.7	11.4	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	11.8	<0.0010	<0.050	0.0051	<0.030	0.0076
P03-05-04	9/10/2005	15:25		0.0046	<0.0050	0.094	<0.0050	<0.050	27.1	10.9	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	11.3	<0.0010	<0.050	0.0047	<0.030	0.0066
P03-05-05	5/4/2005	11:15		0.0080	<0.0050	191	<0.0050	<0.050	63.2	17.3	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	46.0</					

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	General Chemistry							Anions				Nutrients		Dissolved Metals								
				Temp. (°C)	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L
P03-05-08	9/10/2005	16:11		4.8	6610	2457	2340	4.52	5.96	45.7				5550			<0.20	0.012	0.021	<0.10	<0.025	<0.50	<0.0010	297	<0.010
P03-06-01	5/3/2005	17:38		-	1600	907	866	7.64	6.45	184				775			<0.10	<0.0050	<0.010	<0.20	<0.050	<1.0	<0.00050	238	<0.0050
P03-06-01	9/10/2005	17:05		5.2	1620	1316	799	7.32	6.61	194				804			<0.050	<0.0025	<0.0050	0.077	<0.0050	<0.10	<0.00025	223	<0.0025
P03-06-02	5/3/2005	17:50		-	1650	939	919	7.65	6.87	185				810			<0.10	<0.0050	<0.010	0.097	<0.0050	<0.10	<0.00050	254	<0.0050
P03-06-02	9/10/2005	17:19		4.4	1490	1035	815	7.07	6.72	159				734			<0.050	<0.0025	<0.0050	0.072	<0.0050	<0.10	0.00071	225	<0.0025
P03-06-03	5/3/2005	17:56		-	1390	833	730	7.33	6.75	153				643			<0.10	<0.0050	<0.010	0.032	<0.0050	<0.10	<0.00050	200	<0.0050
P03-06-03	9/10/2005	17:25		4	2010	1164	1160	6.80	6.44	122				1170			<0.10	<0.0050	<0.010	0.036	<0.0050	<0.10	0.0112	312	<0.0050
P03-06-04	5/3/2005	18:04		-	1310	861	594	6.36	6.67	45.3				685			<0.050	<0.0025	<0.0050	0.075	<0.0050	<0.10	<0.00025	167	<0.0025
P03-06-04	9/10/2005	17:35		4.1	1070	721	558	7.07	6.89	136				451			<0.020	<0.0010	<0.0020	0.056	<0.0050	<0.10	0.00011	161	<0.0010
P03-06-05	5/3/2005	18:15		-	3730	2480	2110	5.10	6.62	<1.0				1560			<1.0	<0.050	<0.10	<0.020	<0.0050	<0.10	<0.0050	159	<0.050
P03-06-05	9/10/2005	17:42		4.3	1180	761	452	6.09	6.78	32.4				613			<0.020	0.0016	0.0066	0.021	<0.0050	<0.10	<0.00010	121	<0.0010
P03-06-06	9/10/2005	17:54		8.8	5880	1619	3910	5.49	6.12	46.3				5080			<0.50	<0.025	<0.050	<0.040	<0.010	<0.20	<0.0025	310	<0.025
P03-08-01	5/5/2005	14:15		4.5		522	316	8.15	6.93	250				36.1			<0.010	<0.00050	<0.0010	0.087	<0.010	<0.20	<0.000050	81.6	<0.00050
P03-08-01	9/9/2005	14:57		5	490	407.5	307	8.08	7.68	261				21.0			<0.010	<0.00050	<0.0010	0.089	<0.0050	<0.10	<0.000050	77.3	<0.00050
P03-08-02	5/5/2005	14:10		6.2		730	409	7.99	6.35	265				138			<0.010	<0.00050	<0.0010	0.257	<0.010	<0.20	0.000155	117	<0.00050
P03-08-02	7/23/2005	11:50		8.6	601	537	320	7.36	6.98	220				94.2			<0.010	<0.00050	<0.0010	0.216	<0.0050	<0.10	0.000105	89.2	<0.00050
P03-08-02	9/9/2005	15:04		4.8	576	443	346	7.75	7.23	280				75.1			<0.010	<0.00050	<0.0010	0.216	<0.0050	<0.10	0.000206	98.3	<0.00050
P03-08-03	5/5/2005	14:30		4.8		700	395	8.01	7.04	257				130			<0.010	<0.00050	<0.0010	0.116	<0.010	<0.20	0.000090	113	<0.00050
P03-08-03	7/23/2005	11:44		5.4	769	646	416	7.76	6.8	255				144			0.036	<0.0010	<0.0020	0.141	<0.0050	<0.10	0.00050	117	<0.0010
P03-08-03	7/23/2005	11:44	REP	5.4	769	646	397	7.81	6.8	260				156			<0.020	<0.0010	<0.0020	0.131	<0.0050	<0.10	0.00029	113	<0.0010
P03-08-03	9/9/2005	15:20		4.7	764	514	462	7.87	7.35	282				142			<0.020	<0.0010	<0.0020	0.146	<0.0050	<0.10	0.00027	132	<0.0010
P03-08-04	5/5/2005	15:01		6.6		1517	770	7.82	6.82	309				532			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	<0.00025	221	<0.0025
P03-08-04	7/23/2005	13:14		8.4	1570	1316	825	7.32	7.13	282				620			<0.050	0.0060	0.0067	0.025	<0.0050	<0.10	<0.00025	234	<0.0025
P03-08-04	9/9/2005	15:45		8.2	1490	1007	889	7.46	7.28	316				538			<0.050	<0.0025	0.0053	0.035	<0.0050	<0.10	<0.00025	253	<0.0025
P03-08-05	5/5/2005	15:15		5.7		2460	1260	7.59	7.06	168				1360			<0.050	0.0057	0.0076	<0.040	<0.010	<0.20	<0.00025	410	<0.0025
P03-08-05	7/23/2005	12:35		6.5	2410	1930	1020	7.24	7.03	176				1330			<0.050	0.0055	0.0059	<0.020	<0.0050	<0.10	<0.00025	321	<0.0025
P03-08-05	9/9/2005	16:02	REP	10	2360	1414	1150	7.32	7.21	249				1220			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	326	<0.0025
P03-08-05	9/9/2005	15:54		10	2360	1414	1240	7.35	7.21	246				1160			0.071	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	357	0.0028
P03-08-06	5/5/2005	15:20		4.9		2420	850	7.39	7.11	44.1				1490			<0.050	0.0108	<0.0050	<0.020	<0.0050	<0.10	<0.00025	324	<0.0025
P03-08-06	5/5/2005	15:30	REP	4.9		2420	1030	-	7.11	-				-			<0.050	0.0071	<0.0050	<0.020	<0.0050	<0.10	<0.00025	390	<0.0025
P03-08-06	9/9/2005	16:12		11	2340	1497	1170	7.14	7.2	20.3				1340			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	<0.00050	445	<0.0050
P03-08-07	5/5/2005	15:30		5.7		2370	779	7.55	7.35	54.2				1410			<0.050	0.0163	<0.0050	<0.020	<0.0050	<0.10	<0.00025	291	<0.0025
P03-08-07	9/9/2005	16:35			2400		1300	7.44		56.4				1390			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	<0.00050	497	<0.0050
P03-08-08	5/5/2005	15:56		7.5		615	100	8.35	8.1	128				143			<0.020	<0.0010	<0.0020	0.023	<0.0050	<0.10	<0.00010	21.5	<0.0010
P03-08-08	9/10/2005	16:29		8.5	582	540	90.8	7.99	8.84	123				150			<0.020	0.0064	0.0034	0.038	<0.0050	<0.10	<0.00010	20.9	<0.0010
P03-09-01	5/4/2005	13:55		5.2	1280	1300	698	7.92	6.64	344				385			<0.050	<0.0025	<0.0050	0.041	<0.0050	<0.10	<0.00025	185	<0.0025
P03-09-01	9/9/2005	12:05		4.4	1210	1032	761	7.73	7.16	341				352			<0.020	<0.0010	<0.0020	0.039	<0.0050	<0.10	<0.00010	198	<0.0010
P03-09-02	5/4/2005	14:00		3.8	1250	1297	689	7.91	6.9	333				378			<0.020	<0.0010	<0.0020	0.042	<0.0050	<0.10	<0.00010	182	<0.0010
P03-09-02	7/22/2005	12:45		6.2	1230	1095	590	7.77	6.47	307				372			<0.020	<0.0010	<0.0020	0.035	<0.0050	<0.10	<0.00010	158	<0.0010
P03-09-02	9/9/2005	12:08		4.4	1200	894	665	7.66	7.12	354				344			<0.020	<0.0010	<0.0020	0.038	<0.0050	<0.10	<0.00010	175	<0.0010
P03-09-03	5/4/2005	14:08		4.7	995	1006	571	8.01	7.17	250				309			<0.020	<0.0010	<0.0020	0.045	<0.0050	<0.10	<0.00010	171	<0.0010
P03-09-03	9/																								

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Dissolved Metals																	
				Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
P03-05-08	9/10/2005	16:11		<0.010	<0.020	1680	0.102	<0.25	388	23.3	<0.00020	<0.020	<0.10	<0.020	<0.0010	284	<0.0040	<0.25	<0.0040	<1.0	0.289
P03-06-01	5/3/2005	17:38		0.0227	<0.010	0.51	<0.010	<0.50	66.3	18.8	<0.00020	<0.010	<0.050	<0.010	<0.00050	33	<0.0020	<0.50	0.0150	<0.30	0.176
P03-06-01	9/10/2005	17:05		0.0210	<0.0050	0.120	<0.0050	<0.050	59.0	14.0	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	36.2	<0.0010	<0.050	0.0146	<0.030	0.199
P03-06-02	5/3/2005	17:50		0.0222	<0.010	0.583	<0.010	<0.050	69.0	17.7	<0.00020	<0.010	<0.050	<0.010	<0.00050	36.3	<0.0020	<0.050	0.0148	0.048	0.239
P03-06-02	9/10/2005	17:19		0.0343	<0.0050	8.49	<0.0050	<0.050	61.5	15.2	<0.00020	<0.0050	0.036	<0.0050	<0.00025	35.9	<0.0010	<0.050	0.0097	0.035	0.288
P03-06-03	5/3/2005	17:56		0.133	<0.010	22.0	<0.010	<0.050	56.2	18.2	<0.00020	<0.010	0.204	<0.010	<0.00050	32.4	<0.0020	<0.050	0.0070	0.040	0.348
P03-06-03	9/10/2005	17:25		0.298	<0.010	71.5	<0.010	<0.050	93.3	32.1	<0.00020	<0.010	0.449	<0.010	<0.00050	21.6	<0.0020	<0.050	0.0030	<0.090	1.41
P03-06-04	5/3/2005	18:04		0.0279	<0.0050	153	<0.0050	<0.050	43.2	14.5	<0.00020	<0.0050	0.048	<0.0050	<0.00025	22.6	<0.0010	<0.050	0.0276	0.085	6.66
P03-06-04	9/10/2005	17:35		0.0123	<0.0020	26.0	<0.0020	<0.050	37.9	11.1	<0.00020	0.0035	0.018	<0.0020	<0.00010	20.8	<0.00040	<0.050	0.0273	<0.030	1.77
P03-06-05	5/3/2005	18:15		0.078	<0.10	353	<0.10	0.092	415	82.2	<0.00020	<0.10	0.54	<0.10	<0.0050	43.0	<0.020	<0.050	<0.020	0.303	242
P03-06-05	9/10/2005	17:42		0.0019	<0.0020	214	0.0182	<0.050	36.6	8.46	<0.00020	0.0047	<0.010	<0.0020	<0.00010	27.8	<0.00040	<0.050	0.00375	<0.090	4.49
P03-06-06	9/10/2005	17:54		0.117	<0.050	238	0.172	0.19	762	152	<0.00020	<0.050	0.49	<0.050	<0.0025	76.7	<0.010	<0.10	<0.010	0.141	370
P03-08-01	5/5/2005	14:15		<0.00050	<0.0010	0.073	<0.0010	<0.10	27.4	0.112	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	<4.0	<0.00020	<0.10	0.00348	<0.060	<0.010
P03-08-01	9/9/2005	14:57		<0.00050	<0.0010	0.066	<0.0010	<0.050	27.7	0.062	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	3.9	<0.00020	<0.050	0.00317	<0.030	0.0057
P03-08-02	5/5/2005	14:10		0.00067	0.0028	<0.060	<0.0010	<0.10	28.7	5.09	<0.00020	<0.0010	0.0256	<0.0010	<0.000050	14.4	<0.00020	<0.10	0.00303	<0.060	<0.010
P03-08-02	7/23/2005	11:50		0.00054	0.0028	<0.030	<0.0010	<0.050	23.6	4.46	<0.00020	<0.0010	0.0212	<0.0010	<0.000050	10.2	<0.00020	<0.050	0.00262	<0.030	<0.0050
P03-08-02	9/9/2005	15:04		0.00052	0.0033	0.037	<0.0010	<0.050	24.3	4.44	<0.00020	0.0010	0.0201	<0.0010	<0.000050	10.6	<0.00020	<0.050	0.00254	<0.030	0.0072
P03-08-03	5/5/2005	14:30		<0.00050	0.0022	0.064	<0.0010	<0.10	27.3	5.87	<0.00020	0.0043	0.0201	<0.0010	<0.000050	11.9	<0.00020	<0.10	0.00387	<0.060	<0.010
P03-08-03	7/23/2005	11:44		<0.0010	0.0042	0.055	0.0094	<0.050	30.2	7.52	<0.00020	0.0053	0.028	<0.0020	<0.00010	13.4	<0.00040	<0.050	0.00442	<0.030	<0.0050
P03-08-03	7/23/2005	11:44	REP	<0.0010	0.0038	0.053	0.0065	<0.050	27.9	6.47	<0.00020	0.0049	0.028	<0.0020	<0.00010	12.5	<0.00040	<0.050	0.00432	<0.030	0.0070
P03-08-03	9/9/2005	15:20		<0.0010	0.0037	0.087	<0.0020	<0.050	32.5	7.44	<0.00020	0.0047	0.025	<0.0020	<0.00010	15.0	<0.00040	<0.050	0.00435	<0.030	0.0073
P03-08-04	5/5/2005	15:01		<0.0025	<0.0050	19.9	<0.0050	<0.10	52.8	2.99	<0.00020	0.0133	<0.025	<0.0050	<0.00025	46.8	<0.0010	<0.10	0.0041	<0.060	0.013
P03-08-04	7/23/2005	13:14		<0.0025	<0.0050	25.3	<0.0050	<0.050	58.4	3.57	<0.00020	0.0120	<0.025	<0.0050	<0.00025	55.5	<0.0010	<0.050	0.0062	<0.030	0.0195
P03-08-04	9/9/2005	15:45		<0.0025	<0.0050	33.3	<0.0050	<0.050	62.4	3.23	<0.00020	0.0142	<0.025	<0.0050	<0.00025	52.0	<0.0010	<0.050	0.0070	<0.030	0.0143
P03-08-05	5/5/2005	15:15		<0.0025	<0.0050	29.9	0.0052	<0.10	56.6	4.87	<0.00020	0.0065	<0.025	<0.0050	<0.00025	169	<0.0010	<0.10	0.0013	<0.060	0.015
P03-08-05	7/23/2005	12:35		<0.0025	<0.0050	26.9	<0.0050	<0.050	52.8	4.61	<0.00020	0.0058	<0.025	<0.0050	<0.00025	135	<0.0010	<0.050	0.0013	<0.030	0.0150
P03-08-05	9/9/2005	15:02	REP	<0.0025	<0.0050	57.6	0.0069	<0.050	82.2	6.44	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	132	<0.0010	<0.050	0.0020	0.053	0.0119
P03-08-05	9/9/2005	15:54		<0.0025	<0.0050	60.4	0.0104	<0.050	84.2	7.07	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	158	<0.0010	<0.050	0.0017	<0.050	0.0224
P03-08-06	5/5/2005	15:20		0.0035	<0.0050	0.346	0.0227	<0.050	10.1	0.597	<0.00020	0.0067	<0.025	<0.0050	<0.00025	91.5	<0.0010	<0.050	<0.0010	<0.030	0.0244
P03-08-06	5/5/2005	15:30	REP	0.0032	<0.0050	0.513	0.0098	<0.050	13.5	0.709	<0.00020	0.0070	<0.025	<0.0050	<0.00025	125	<0.0010	<0.050	<0.0010	<0.030	0.0236
P03-08-06	9/9/2005	16:12		<0.0050	<0.010	2.16	<0.010	0.054	13.4	0.679	<0.00020	<0.010	<0.050	<0.010	<0.00050	146	<0.0020	<0.050	<0.0020	<0.030	0.0089
P03-08-07	5/5/2005	15:30		0.0050	<0.0050	<0.030	0.0103	<0.050	12.5	0.677	<0.00020	0.0444	<0.025	<0.0050	<0.00025	138	<0.0010	<0.050	<0.0010	<0.030	0.0094
P03-08-07	9/9/2005	16:35		<0.0050	<0.010	1.28	<0.010	<0.050	14.0	1.08	<0.00020	0.042	<0.050	<0.010	<0.00050	165	<0.0020	<0.050	<0.0020	<0.030	0.0104
P03-08-08	5/5/2005	15:56		0.0020	<0.0020	0.046	0.0036	<0.050	11.3	0.036	<0.00020	0.0429	<0.010	<0.0020	<0.00010	103	<0.00040	<0.050	<0.00040	<0.030	0.0084
P03-08-08	9/10/2005	16:29		0.0019	<0.0020	0.045	0.0074	<0.050	9.39	0.048	<0.00020	0.0425	<0.010	<0.0020	<0.00010	89.2	<0.00040	<0.050	<0.00040	<0.030	0.0395
P03-09-01	5/4/2005	13:55		<0.0025	<0.0050	7.17	<0.0050	<0.050	57.2	0.419	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	48.7	<0.0010	<0.050	0.0015	<0.030	<0.0050
P03-09-01	9/9/2005	12:05		<0.0010	<0.0020	0.401	<0.0020	0.054	64.8	0.428	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	60.4	<0.00040	<0.050	0.00150	<0.030	<0.0050
P03-09-02	5/4/2005	14:00		<0.0010	<0.0020	7.20	<0.0020	<0.050	57.1	0.417	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	48.0	<0.00040	<0.050	0.00153	<0.030	0.0055
P03-09-02	7/22/2005	12:45		<0.0010	<0.0020	5.92	<0.0020	<0.050	47.7	0.359	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	42.9	<0.00040	<0.050	0.00147	<0.030	<0.0050
P03-09-02	9/9/2005	12:08		<0.0010	<0.0020	6.40	<0.0020	0.053	55.7	0.375	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	48.5	<0.00040	<0.050	0.00146	<0.030	0.0054
P03-09-03	5/4/2005	14:08		0.0049	<0.0020	0.090	<0.0020	<0.050	34.6	6.61	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	31.2	<0.00040	<0.050	0.00601	<0.030	0.0058
P03-09-03	9/9/2005	12:17		0.0051	0.0025	0.085	<0.0020	<0.050	40.4	7.48	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	34.7	<0.00040	<0.050	0.00665	<0.030	0.0071
P03-09-04	5/4/2005	14:11		0.0034	<0.0020	0.034	<0.0020	<0.050	34.3	6.14	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	30.3	<0.00040	<0.050	0.00583	<0.030	0.0071
P03-09-04	7/22/2005	12:57		0.0030	<0.0020	<0.030	<0.0020	<0.050	31.4	5.26	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	27.1	<0.00040	<0.050	0.00602	<0.030	<0.0050
P03-09-04	9/9/2005	12:21		0.0033	<0.0020	0.052	<0.0020	<0.050	34.3	6.04	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	30.1	<0.00040	<0.050	0.00650	<0.030	0.0065
P03-09-05	5/4/2005	14:17		0.0044	<0.0020	0.037	<0.0020	<0.050	32.7	6.17	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	27.7	<0.00040	<0.050	0.00610	<0.030	0.0060
P03-09-05	9/9/2005	12:30		0.0044	<0.0050	0.060	<0.0050	<0.050	57.7	10.2	<0.00020	<0.0050	&								

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	General Chemistry							Anions				Nutrients		Dissolved Metals								
				Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L
P05-01-02	9/9/2005	10:29		4.7	2000	1392	1420	7.46	6.98	303				914			<0.050	<0.0025	<0.0050	0.050	<0.0050	<0.10	<0.00025	443	<0.0025
P05-01-03	9/9/2005	10:37		4.7	1990	1330	1470	7.48	7.03	318				900			<0.050	<0.0025	<0.0050	0.045	<0.0050	<0.10	<0.00025	459	<0.0025
P05-01-04	9/9/2005	10:58		5.9	2030	1291	1310	7.57	7.2	325				937			<0.050	<0.0025	<0.0050	0.037	<0.0050	<0.10	<0.00025	397	<0.0025
P05-01-05	9/9/2005	10:58		5.3	1850	1212	1150	7.52	7.02	281				842			<0.050	<0.0025	<0.0050	0.040	<0.0050	<0.10	<0.00025	345	<0.0025
P05-01-06	9/9/2005	11:12		5.7	1860	1199	1110	7.54	6.98	271				861			<0.050	<0.0025	<0.0050	0.042	<0.0050	<0.10	<0.00025	333	<0.0025
P05-02	9/9/2005	10:20		5.17	2010	2008	1200	7.42	6.62	317				895			<0.050	<0.0025	0.0124	0.069	<0.0050	<0.10	<0.00025	369	<0.0025
P96-6	5/5/2005	16:00	REP	2		1107	640	6.71	5.24	341				286			<0.020	<0.0010	<0.0020	<0.040	<0.010	<0.20	0.00022	169	<0.0010
P96-6	5/5/2005	16:00			2		1107	720	6.66	5.24	351				278			<0.020	<0.0010	<0.0020	0.028	<0.0050	<0.10	0.00024	185
P96-6	9/11/2005	11:00		2.69	2010	2065	1220	6.87	6.09	295				1030			<0.050	<0.0025	<0.0050	0.035	<0.0050	<0.10	0.00028	328	<0.0025
P96-7	5/5/2005	15:30		2.7		257	1740	7.81	5.94	258				1500			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	<0.00025	494	<0.0025
P96-7	9/10/2005	16:23		5.7	2940	2770	2080	7.80	7.39	172				1910			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	<0.00050	605	<0.0050
P96-8A	5/3/2005	16:35	REP	2.2	197	241	94.4	6.76	7.14	12.4				71.2			0.029	0.00110	<0.0010	0.042	<0.0050	<0.10	0.000901	25.6	<0.00050
P96-8A	9/10/2005	16:55			8.85	6390	6271	4440	6.46	5.83	106				4920			<1.0	<0.050	<0.10	<0.040	<0.010	<0.20	0.233	477
P96-8A	9/10/2005	16:55		8.85	6370	6271	4240	6.50	5.83	108				5040			<1.0	<0.050	<0.10	<0.040	<0.010	<0.20	0.220	456	<0.050
P96-8B	5/3/2005	16:35		3.4	5540	5560	3770	7.01	6.21	214				4520			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	0.0410	424	<0.025
P96-8B	9/10/2005	17:00			6620		4080	6.35		131				4980			<1.0	<0.050	<0.10	<0.040	<0.010	<0.20	0.0970	431	<0.050
P96-9A	5/3/2005	15:37	REP	1.7	2210	1219	1480	7.85	6.5	412				994			<0.050	<0.0025	<0.0050	0.063	<0.0050	<0.10	0.00077	297	<0.0025
P96-9A	5/3/2005	15:37			1.7	2210	1219	1480	7.89	6.5	421				987			<0.050	<0.0025	<0.0050	0.061	<0.0050	<0.10	0.00076	300
P96-9A	9/8/2005	17:00			3070	2896	1810	7.41		469				1600			<0.050	<0.0025	<0.0050	0.055	<0.0050	<0.10	0.00101	347	<0.0025
S1A	5/5/2005	11:50		3.6		5580	4440	6.90	5.6	205				4550			<0.50	<0.025	<0.050	<0.040	<0.010	<0.20	0.0111	609	<0.025
S1A	9/12/2005	14:05		5.2	5600	1665	4430	6.78	6.33	196				4070			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	0.0104	599	<0.025
S1B	5/5/2005	12:20		4.1		955	447	7.22	6.94	25.7				403			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	<0.00025	123	<0.0025
S1B	9/12/2005	14:15		5.1	1430	1119	856	7.13	6.95	68.6				703			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	0.00037	238	<0.0025
S2A	5/5/2005	14:00		4.8		4107	3760	6.98	5.92	213				1860			<0.50	<0.025	<0.050	<0.040	<0.010	<0.20	0.0149	502	<0.025
S2A	9/12/2005	13:20		4.4	5440	1412	4100	6.84	6.05	191				3910			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	0.0188	498	<0.025
S2B	5/5/2005	14:30		2.8		2384	1880	6.37	6.33	55.0				1760			<0.10	<0.0050	<0.010	<0.040	<0.010	<0.20	0.00079	501	<0.0050
S2B	9/12/2005	13:40		4	3660	1155	2090	6.78	6.45	124				2510			<0.10	<0.0050	<0.010	<0.060	<0.015	<0.30	<0.00050	569	<0.0050
S3	5/5/2005	14:30		2		5420	4700	6.72	5.92	173				4610			<0.50	<0.025	<0.050	<0.040	<0.010	<0.20	<0.0025	589	<0.025
S3	9/12/2005	14:10		6.5	5850	1611	4340	6.65	5.98	171				4360			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	500	<0.025
SRK04-3A	5/5/2005	10:48	REP	6.5		6140	3970	5.87	5.61	91.0				5480			<1.0	<0.050	<0.10	<0.040	<0.010	<0.20	0.0066	454	<0.050
SRK04-3A	5/5/2005	10:48			6.5		6140	3940	5.95	5.61	96.7				5410			0.50	<0.025	<0.050	<0.040	<0.010	<0.20	0.0072	448
SRK04-3B	5/5/2005	11:00		4.6		12880	3890	3.72	4.93	61.7				16700			4.3	<0.050	<0.10	<0.40	<0.10	<2.0	<0.0050	459	<0.050
SRK04-4	5/5/2005	10:45		3.9		7460	3810	5.23	5.37	63.6				7080			1.4	<0.050	<0.10	<0.040	<0.010	<0.20	0.0151	457	<0.050
SRK04-05A	9/8/2005	16:20		4.42	449	419	172	7.96	7.75	154				89.8			<0.010	<0.00050	0.0121	0.032	<0.0050	<0.10	<0.000050	47.5	<0.00050
SRK04-05B	9/8/2005	16:16		4.54	435	421	172	8.08	7.87	153				85.3			<0.010	<0.00050	0.0169	0.049	<0.0050	<0.10	<0.000050	47.6	<0.00050
SRK05-SP1A	9/12/2005	15:45	SP	2.8	1130	746	625	6.43	5.65	251				383			0.093	<0.0010	0.0048	<0.040	<0.010	<0.20	<0.00010	153	<0.0010
SRK05-SP1A	9/12/2005	15:50			2.8	1140	746	617	6.49	5.65	251				367			0.091	<0.0010	0.0049	<0.040	<0.010	<0.20	<0.00010	152
SRK05-SP1B	9/12/2005	15:25		4.1	1170	782	693	6.90	6.28	337				309			<0.020	<0.0010	0.0097	0.043	<0.010	<0.20	0.00020	174	<0.0010
SRK05-SP2	9/12/2005	14:55		2.7	359	345	187	6.97	6.66	132				45.4			0.020	<0.00050	<0.0010	0.056	<0.010	<0.20	0.000123	50.1	0.00057
SRK05-SP3A	9/12/2005	11:37	REP	4	947	590	512	6.60	6.04	282				245			0.058	<0.0010	<0.0020	0.040	<0.0050	<0.10	<0.00010	123	<0.0010
SRK05-SP3A	9/12/2005	11:38			4	950	590	535	6.62	6.04	287				235			0.066	<0.0010	<0.0020	0.042	<0.0050	<0.10	<0.00010	128
SRK05-SP3B	9/12/2005	11:00		3.7	948	616	537	6.68	5.93	269				261			0.031	<0.0010	<0.0020	0					

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Dissolved Metals																	
				Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
P05-01-02	9/9/2005	10:29		<0.0025	<0.0050	14.5	<0.0050	0.073	76.9	16.3	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	52.5	<0.0010	<0.050	0.0015	<0.030	0.0077
P05-01-03	9/9/2005	10:37		<0.0025	<0.0050	14.1	<0.0050	0.066	78.5	14.8	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	43.8	<0.0010	<0.050	0.0014	<0.030	0.0160
P05-01-04	9/9/2005	10:58		<0.0025	<0.0050	21.2	<0.0050	0.058	76.7	13.9	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	49.8	<0.0010	<0.050	<0.0010	<0.030	0.0095
P05-01-05	9/9/2005	10:58		0.0072	<0.0050	3.49	<0.0050	0.051	69.2	14.6	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	43.4	<0.0010	<0.050	0.0022	<0.030	0.0080
P05-01-06	9/9/2005	11:12		0.0078	<0.0050	3.13	<0.0050	0.051	66.9	15.1	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	43.5	<0.0010	<0.050	0.0024	<0.030	0.0075
P05-02	9/9/2005	10:20		0.0066	<0.0050	5.94	<0.0050	<0.050	68.1	12.5	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	50.5	<0.0010	<0.050	0.0034	<0.030	0.0264
P96-6	5/5/2005	16:00		<0.0010	<0.0020	0.068	<0.0020	<0.10	53.2	0.068	<0.00020	<0.0020	0.018	<0.0020	<0.00010	9.2	<0.00040	<0.10	0.0120	<0.060	0.727
P96-6	5/5/2005	16:00	REP	<0.0010	<0.0020	0.069	<0.0020	<0.050	62.5	0.077	<0.00020	<0.0020	0.020	<0.0020	<0.00010	10.3	<0.00040	<0.050	0.0129	<0.030	0.768
P96-6	9/11/2005	11:00		<0.0025	<0.0050	<0.030	<0.0050	<0.050	96.9	<0.010	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	7.2	<0.0010	<0.050	0.0557	<0.030	0.555
P96-7	5/5/2005	15:30		<0.0025	<0.0050	<0.060	<0.0050	<0.10	124	<0.020	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	14.9	<0.0010	<0.10	0.0222	<0.060	0.028
P96-7	9/10/2005	16:23		<0.0050	<0.010	<0.030	<0.010	<0.050	138	<0.010	<0.00020	<0.010	<0.050	<0.010	<0.00050	20.5	<0.0020	<0.050	0.0266	<0.040	0.0078
P96-8A	5/3/2005	16:35		<0.00050	0.0044	0.064	<0.0010	<0.050	7.39	0.014	<0.00020	<0.0010	0.0108	<0.0010	<0.000050	<2.0	<0.00020	<0.050	<0.00020	<0.030	1.67
P96-8A	9/10/2005	16:55	REP	0.313	<0.10	0.082	<0.10	0.28	788	101	<0.00020	<0.10	1.67	<0.10	<0.0050	56.8	<0.020	<0.10	<0.020	0.077	618
P96-8A	9/10/2005	16:55		0.312	<0.10	0.061	<0.10	0.26	752	98.7	<0.00020	<0.10	1.70	<0.10	<0.0050	54.9	<0.020	<0.10	<0.020	0.078	604
P96-8B	5/3/2005	16:35		0.395	<0.050	0.22	<0.050	<0.25	659	49.0	<0.00020	<0.050	0.69	<0.050	<0.0025	53	<0.010	<0.25	<0.010	0.17	173
P96-8B	9/10/2005	17:00		1.69	<0.10	9.85	<0.10	0.20	730	90.7	<0.00020	<0.10	1.40	<0.10	<0.0050	58.6	<0.020	<0.10	<0.020	<0.20	368
P96-9A	5/3/2005	15:37		0.0036	<0.0050	0.071	<0.0050	<0.050	180	0.885	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	12.2	<0.0010	<0.050	0.0232	<0.030	0.0192
P96-9A	5/3/2005	15:37	REP	0.0036	<0.0050	0.096	<0.0050	<0.050	177	0.880	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	12.0	<0.0010	<0.050	0.0226	0.043	0.0242
P96-9A	9/8/2005	17:00		<0.0025	<0.0050	<0.030	<0.0050	<0.050	228	0.077	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	9.8	<0.0010	<0.050	0.0316	<0.050	0.0160
S1A	5/5/2005	11:50		<0.025	<0.050	<0.060	<0.050	0.13	710	45.2	<0.00020	<0.050	1.17	<0.050	<0.0025	39.8	<0.010	<0.10	<0.010	0.067	113
S1A	9/12/2005	14:05		<0.025	<0.050	<0.15	<0.050	<0.25	712	51.0	<0.00020	<0.050	1.08	<0.050	<0.0025	36	<0.010	<0.25	<0.010	<0.15	118
S1B	5/5/2005	12:20		<0.0025	<0.0050	0.093	<0.0050	<0.10	33.8	0.035	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	25.1	<0.0010	<0.10	<0.0010	<0.060	0.067
S1B	9/12/2005	14:15		<0.0025	<0.0050	0.116	<0.0050	<0.10	63.4	0.051	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	41.5	<0.0010	<0.10	<0.0010	<0.060	0.051
S2A	5/5/2005	14:00		<0.025	<0.050	1.16	<0.050	0.12	609	50.8	<0.00020	<0.050	1.17	<0.050	<0.0025	30.5	<0.010	<0.10	<0.010	<0.060	127
S2A	9/12/2005	13:20		<0.025	<0.050	1.19	<0.050	<0.25	694	67.5	<0.00020	<0.050	1.61	<0.050	<0.0025	34	<0.010	<0.25	<0.010	<0.15	178
S2B	5/5/2005	14:30		0.0053	<0.010	99.0	<0.010	<0.10	152	11.6	<0.00020	<0.010	0.073	<0.010	<0.00050	13.9	<0.0020	<0.10	<0.0020	0.079	8.65
S2B	9/12/2005	13:40		0.0058	<0.010	71.0	<0.010	<0.15	162	8.55	<0.00020	<0.010	<0.050	<0.010	<0.00050	9.9	<0.0020	<0.15	<0.0020	<0.090	1.19
S3	5/5/2005	14:30		0.040	<0.050	5.59	<0.050	0.14	784	72.5	<0.00020	<0.050	1.05	<0.050	<0.0025	26.2	<0.010	<0.10	<0.010	0.106	158
S3	9/12/2005	14:10		0.035	<0.050	4.69	<0.050	<0.25	750	70.3	<0.00020	<0.050	1.00	<0.050	<0.0025	33	<0.010	<0.25	<0.010	<0.15	165
SRK04-3A	5/5/2005	10:48		0.349	<0.10	693	<0.10	<0.10	690	49.7	<0.00020	<0.10	0.60	<0.10	<0.0050	58.8	<0.020	<0.10	<0.020	0.507	233
SRK04-3A	5/5/2005	10:48	REP	0.337	<0.050	677	<0.050	<0.10	686	48.9	<0.00020	<0.050	0.60	<0.050	<0.0025	57.3	<0.010	<0.10	<0.010	0.467	230
SRK04-3B	5/5/2005	11:00		0.225	<0.10	6610	0.16	<1.0	666	72.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	66	<0.020	<1.0	<0.020	3.81	749
SRK04-4	5/5/2005	10:45		0.500	<0.10	1630	<0.10	<0.10	649	56.0	<0.00020	<0.10	0.72	<0.10	<0.0050	60.5	<0.020	<0.10	<0.020	1.07	350
SRK04-05A	9/8/2005	16:20		<0.00050	<0.0010	0.701	<0.0010	<0.050	13.0	0.080	<0.00020	0.0179	<0.0050	<0.0010	<0.000050	13.2	<0.00020	<0.050	0.00114	<0.030	0.0105
SRK04-05B	9/8/2005	16:16		<0.00050	<0.0010	0.479	<0.0010	<0.050	12.9	0.080	<0.00020	0.0204	<0.0050	<0.0010	<0.000050	15.8	<0.00020	<0.050	0.00201	<0.030	0.0066
SRK05-SP1A	9/12/2005	15:45		0.0057	<0.0020	46.4	<0.0020	<0.10	58.6	1.74	<0.00020	<0.0020	0.018	<0.0020	<0.00010	15.0	<0.00040	<0.10	<0.00040	<0.060	1.63
SRK05-SP1A	9/12/2005	15:50	SP	0.0056	<0.0020	45.7	<0.0020	<0.10	57.8	1.71	<0.00020	<0.0020	0.017	<0.0020	<0.00010	14.8	<0.00040	<0.10	<0.00040	<0.060	1.62
SRK05-SP1B	9/12/2005	15:25		0.0046	<0.0020	7.18	<0.0020	<0.10	63.0	1.05	<0.00020	<0.0020	0.012	<0.0020	<0.00010	8.7	<0.00040	<0.10	0.00149	<0.060	0.144
SRK05-SP2	9/12/2005	14:55		0.00219	0.0011	0.517	<0.0010	<0.10	14.9	1.17	<0.00020	<0.0010	0.0083	<0.0010	<0.000050	4.8	<0.00020	<0.10	0.00073	<0.060	0.161
SRK05-SP3A	9/12/2005	11:37		0.0052	<0.0020	24.7	<0.0020	0.066	50.0	1.00	<0.00020	<0.0020	0.014	<0.0020	<0.00010	13.5	<0.00040	<0.050	0.00154	<0.030	1.04
SRK05-SP3A	9/12/2005	11:38	REP	0.0050	<0.0020	25.5	<0.0020	0.061	52.5	1.05	<0.00020	<0.0020	0.013	<0.0020	<0.00010	14.2	<0.00040	<0.050	0.00156	<0.030	1.08
SRK05-SP3B	9/12/2005	11:00		0.0033	<0.0020	8.28	<0.0020														

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	General Chemistry							Anions				Nutrients		Dissolved Metals								
				Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chromium mg/L
X16B	5/4/2005	13:26	REP	4.8	389	410	238	8.32	7.35	202				27.0			<0.010	<0.00050	<0.0010	0.145	<0.0050	<0.10	<0.000050	65.5	<0.00050
X16B	9/9/2005	14:12		4.63	411	399	245	8.03	7.88	206				26.3			<0.010	<0.00050	<0.0010	0.142	<0.0050	<0.10	<0.000050	68.5	<0.00050
X17A	7/21/2005	11:30		4.3	462	427.5	252	8.10	7.82	225				35.7			<0.010	<0.00050	<0.0010	0.152	<0.0050	<0.10	<0.000050	67.9	<0.00050
X17A	9/10/2005	10:48		3.65	448	437	298	8.12	7.72	230				20.1			<0.010	<0.00050	<0.0010	0.170	<0.0050	<0.10	<0.000050	83.5	<0.00050
X17A	9/10/2005	10:48	REP	3.65	457	437	313	8.20	7.72	239				20.8			<0.010	<0.00050	<0.0010	0.175	<0.0050	<0.10	<0.000050	88.2	<0.00050
X17B	5/4/2005	9:52		-	1100	684	577	7.93	6.91	428				215			<0.020	<0.0010	<0.0020	0.241	<0.0050	<0.10	<0.00010	161	<0.0010
X17B	5/4/2005	9:52	REP	-	1120	684	564	7.96	6.91	427				245			<0.020	<0.0010	<0.0020	0.233	<0.0050	<0.10	<0.00010	157	<0.0010
X17B	9/10/2005	11:10		3.77	530	501	359	8.01	7.37	271				39.5			<0.010	<0.00050	<0.0010	0.243	<0.0050	<0.10	<0.000050	101	<0.00050
X18A	7/21/2005	14:50		5.4	1320	1102	728	7.93	7.35	244				528			<0.020	<0.0010	0.0102	0.188	<0.0050	<0.10	<0.00010	204	<0.0010
X18A	9/10/2005	11:51		3.9	1170	1131	821	7.80	7.72	255				408			<0.050	<0.0025	<0.0050	0.241	<0.0050	<0.10	<0.00025	244	<0.0025
X18B	5/4/2005	12:00		4	1360	1425	831	8.05	7.2	251				566			<0.050	<0.0025	<0.0050	0.156	<0.0050	<0.10	0.00039	238	<0.0025
X18B	9/10/2005	12:24		3.4	826	802	580	7.92	7.55	270				203			<0.010	<0.00050	<0.0010	0.094	<0.0050	<0.10	0.000278	172	<0.00050
X21A-96	5/10/2005	16:15		3.1	2830	1420	977	5.74		17.4				1760			<0.10	<0.0050	<0.010	<0.060	<0.015	<0.30	<0.00050	134	<0.0050
X21A-96	9/11/2005	17:00		4.4	11700	2701	4830	4.42	6.31	54.3				11900			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	367	<0.025
X21B-96	5/10/2005	16:10		2.9	1280	823	602	7.63		165				520			<0.050	<0.0025	<0.0050	<0.060	<0.015	<0.30	<0.00025	179	<0.0025
X21B-96	5/10/2005	16:15	REP	2.9	1290	823	606	7.85		161				544			<0.020	<0.0010	0.0049	<0.060	<0.015	<0.30	<0.00010	180	<0.0010
X21B-96	9/11/2005	17:00		4.2	1800	1423	849	6.69	6.44	75.1				931			0.077	<0.0025	<0.0050	0.030	<0.0050	<0.10	<0.00025	253	<0.0025
X21C-96	5/10/2005	16:20		3.1	349	296	190	8.29		177				9.34			<0.010	<0.00050	0.0248	0.178	<0.015	<0.30	<0.000050	59.8	<0.00050
X21C-96	9/11/2005	17:00		4.1	358	357	196	8.20	7.52	190				8.4			<0.020	<0.0010	0.0226	0.176	<0.0050	<0.10	<0.00010	62.3	<0.0010
X24A-96	7/21/2005	20:10		5.2	2400	1628	1440	7.54	6.54	293				1260			<0.10	<0.0050	<0.010	0.025	<0.0050	<0.10	0.00134	414	<0.0050
X24A-96	9/9/2005	14:54		7.1	2310	2267	1410	7.10	6.78	317				1170			<0.050	<0.0025	<0.0050	0.021	<0.0050	<0.10	0.00089	414	<0.0025
X24C-96	5/4/2005	15:10		4.8	2420	2546	1600	7.68	6.72	338				1410			<0.20	<0.010	<0.020	0.020	<0.0050	<0.10	<0.0010	468	<0.010
X24C-96	7/21/2005	20:32		5.6	2570	1791	1470	7.41	6.44	297				1410			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	<0.00050	423	<0.0050
X24C-96	9/9/2005	16:07		5.02	2340	2330	1570	7.10	6.7	325				1180			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	<0.00050	462	<0.0050
X24D-96	5/4/2005	15:11		4	2500	2709	1760	7.71	6.9	354				1450			<0.10	<0.0050	<0.010	0.025	<0.0050	<0.10	0.00257	522	<0.0050
X24D-96	7/21/2005	19:40		7	2700	1883	1540	7.45	6.7	318				1490			<0.050	<0.0025	<0.0050	0.023	<0.0050	<0.10	0.00194	450	<0.0025
X24D-96	9/9/2005	15:41		4.93	2670	2700	1890	7.14	6.68	358				1390			<0.10	<0.0050	<0.010	0.021	<0.0050	<0.10	0.00240	566	<0.0050
X25A-96	7/21/2005	18:22		5	950	730	508	7.88	7.1	229				292			<0.020	<0.0010	<0.0020	0.044	<0.0050	<0.10	0.00035	144	<0.0010
X25A-96	7/21/2005	18:22	REP	5	950	730	489	7.90	7.1	234				291			<0.020	<0.0010	<0.0020	0.042	<0.0050	<0.10	0.00035	140	<0.0010
X25A-96	9/9/2005	16:30		4.26	970	962	503	7.67	7.15	250				295			<0.020	<0.0010	<0.0020	0.040	<0.0050	<0.10	0.00043	146	<0.0010
X25B-96	7/21/2005	18:05		5.8	1110	966	547	8.02	7.44	247				347			<0.020	<0.0010	<0.0020	0.027	<0.0050	<0.10	<0.00010	170	<0.0010
X25B-96	9/9/2005	16:45		4	1100	1107	542	8.01	7.24	267				335			<0.020	<0.0010	<0.0020	0.025	<0.0050	<0.10	<0.00010	170	<0.0010

Notes:

^(a) Denotes Quality Control Samples and Depth Discrete Samples: REP - replicate sample; SP - split sample; DD - depth discrete sample.

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Dissolved Metals																	
				Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
X16B	5/4/2005	13:26	REP	<0.00050	<0.0010	<0.030	<0.0010	<0.050	18.1	<0.010	<0.00020	0.0019	<0.0050	0.0020	<0.000050	<2.0	<0.00020	<0.050	0.00207	<0.030	<0.0050
X16B	9/9/2005	14:12		<0.00050	<0.0010	<0.030	<0.0010	<0.050	17.9	<0.010	<0.00020	0.0019	<0.0050	0.0021	<0.000050	<2.0	<0.00020	<0.050	0.00218	<0.030	<0.0050
X17A	7/21/2005	11:30		<0.00050	<0.0010	<0.030	<0.0010	<0.050	19.9	<0.010	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	2.6	<0.00020	<0.050	0.00252	<0.030	0.0062
X17A	9/10/2005	10:48		<0.00050	<0.0010	0.047	<0.0010	<0.050	21.7	<0.010	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	3.0	<0.00020	<0.050	0.00241	<0.030	0.0091
X17A	9/10/2005	10:48	REP	<0.00050	<0.0010	0.046	0.0054	<0.050	22.6	<0.010	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	3.1	<0.00020	<0.050	0.00256	<0.030	0.0088
X17B	5/4/2005	9:52		<0.0010	<0.0020	3.48	<0.0020	<0.050	42.6	0.567	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	37.4	<0.00040	<0.050	0.00176	<0.030	0.0102
X17B	5/4/2005	9:52	REP	<0.0010	<0.0020	3.43	<0.0020	<0.050	41.9	0.558	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	36.0	<0.00040	<0.050	0.00169	<0.030	0.0109
X17B	9/10/2005	11:10		<0.00050	<0.0010	0.956	<0.0010	<0.050	25.9	0.271	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	7.4	<0.00020	<0.050	0.00179	<0.030	0.0058
X18A	7/21/2005	14:50		<0.0010	<0.0020	1.89	<0.0020	<0.050	53.2	0.812	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	26.5	<0.00040	<0.050	0.00640	<0.030	<0.0050
X18A	9/10/2005	11:51		<0.0025	<0.0050	2.42	<0.0050	<0.050	51.2	0.830	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	21.2	<0.0010	<0.050	0.0078	<0.030	0.0120
X18B	5/4/2005	12:00		<0.0025	<0.0050	0.115	<0.0050	<0.050	57.4	3.02	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	24.2	<0.0010	<0.050	0.0105	<0.030	0.0080
X18B	9/10/2005	12:24		<0.00050	<0.0010	<0.030	<0.0010	<0.050	36.3	1.91	<0.00020	0.0015	0.0071	<0.0010	<0.000050	13.1	<0.00020	<0.050	0.00646	<0.030	0.0075
X21A-96	5/10/2005	16:15		0.0336	<0.010	502	0.014	<0.15	156	30.4	<0.00020	<0.010	<0.050	<0.010	<0.00050	94.2	<0.0020	<0.15	<0.0020	<0.090	0.837
X21A-96	9/11/2005	17:00		<0.025	<0.050	3390	<0.050	<0.25	950	324	<0.00020	<0.050	<0.25	<0.050	<0.0025	20	<0.010	<0.25	<0.010	<2.5	104
X21B-96	5/10/2005	16:10		0.0074	<0.0050	31.9	<0.0050	<0.15	37.6	13.4	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	65.0	<0.0010	<0.15	0.0029	<0.090	0.164
X21B-96	5/10/2005	16:15	REP	0.0073	<0.0020	31.4	<0.0020	<0.15	37.6	13.6	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	64.2	<0.00040	<0.15	0.00305	<0.090	0.166
X21B-96	9/11/2005	17:00		0.0342	<0.0050	165	<0.0050	<0.050	52.6	20.9	<0.00020	<0.0050	0.026	<0.0050	<0.00025	60.1	<0.0010	<0.050	0.0037	<0.15	4.12
X21C-96	5/10/2005	16:20		<0.00050	<0.0010	0.292	<0.0010	<0.15	9.94	0.262	<0.00020	0.0040	<0.0050	<0.0010	<0.000050	<6.0	<0.00020	<0.15	0.00024	<0.090	<0.015
X21C-96	9/11/2005	17:00		<0.0010	<0.0020	0.260	<0.0020	<0.050	9.77	0.248	<0.00020	0.0037	<0.010	<0.0020	<0.00010	2.4	<0.00040	<0.050	<0.00040	<0.030	0.0058
X24A-96	7/21/2005	20:10		0.0437	<0.010	0.449	<0.010	<0.050	98.4	32.7	<0.00020	<0.010	0.160	<0.010	<0.00050	36.2	<0.0020	<0.050	0.0089	0.038	0.0102
X24A-96	9/9/2005	14:54		0.0386	<0.0050	0.438	<0.0050	<0.050	90.6	30.8	<0.00020	<0.0050	0.111	<0.0050	<0.00025	35.9	<0.0010	<0.050	0.0067	<0.030	0.0118
X24C-96	5/4/2005	15:10		0.062	<0.020	0.165	<0.020	<0.050	104	39.0	<0.00020	<0.020	0.11	<0.020	<0.0010	39.9	<0.0040	<0.050	0.0069	0.104	0.0187
X24C-96	7/21/2005	20:32		0.0573	<0.010	0.164	<0.010	<0.050	100	40.6	<0.00020	<0.010	0.120	<0.010	<0.00060	40.2	<0.0020	<0.050	0.0070	0.039	0.0148
X24C-96	9/9/2005	16:07		0.0565	<0.010	0.164	<0.010	<0.050	102	38.5	<0.00020	<0.010	0.120	<0.010	<0.00050	40.3	<0.0020	<0.050	0.0067	<0.030	0.0175
X24D-96	5/4/2005	15:11		0.0325	<0.010	0.034	<0.010	<0.050	110	35.7	<0.00020	<0.010	0.157	<0.010	<0.00050	50.6	<0.0020	<0.050	0.0050	0.071	0.0517
X24D-96	7/21/2005	19:40		0.0282	<0.0050	<0.030	<0.0050	<0.050	102	37.9	<0.00020	<0.0050	0.136	<0.0050	<0.00025	47.7	<0.0010	<0.050	0.0046	0.031	0.0488
X24D-96	9/9/2005	15:41		0.0331	<0.010	<0.030	<0.010	0.053	116	37.7	<0.00020	<0.010	0.153	<0.010	<0.00050	51.0	<0.0020	<0.050	0.0047	<0.030	0.0569
X25A-96	7/21/2005	18:22		0.0076	0.0024	<0.030	<0.0020	<0.050	35.7	5.44	<0.00020	<0.0020	0.011	<0.0020	<0.00010	30.0	<0.00040	<0.050	0.00877	<0.030	0.0067
X25A-96	7/21/2005	18:22	REP	0.0077	0.0022	<0.030	<0.0020	<0.050	34.2	5.21	<0.00020	<0.0020	0.012	<0.0020	<0.00010	28.8	<0.00040	<0.050	0.00894	<0.030	0.0052
X25A-96	9/9/2005	16:30		0.0084	0.0027	0.038	<0.0020	<0.050	33.4	5.58	<0.00020	<0.0020	0.012	<0.0020	<0.00010	27.2	<0.00040	<0.050	0.00866	<0.030	0.0057
X25B-96	7/21/2005	18:05		<0.0010	<0.0020	0.672	<0.0020	<0.050	29.8	0.182	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	53.5	<0.00040	<0.050	0.00508	<0.030	<0.0050
X25B-96	9/9/2005	16:45		<0.0010	<0.0020	0.620	<0.0020	<0.050	28.6	0.160	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	50.5	<0.00040	<0.050	0.00522	<0.030	<0.0050

Notes:

^(a) Denotes Quality Control Samples and Depth Discrete S

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	General Chemistry							Anions				Nutrients		Metals							
					Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L
BH1	05/05/2005	17:00		suction	4		424	225	7.02		147				54.9			0.043	<0.00050	<0.0010	0.057	<0.010	<0.20	0.00237	66.4
BH1	11/09/2005	10:52		suction	5.7	509	499	292	6.99	6.4	164				110			0.090	<0.00050	<0.0010	0.038	<0.0050	<0.10	0.00360	85.6
BH12A	06/05/2005	11:10		suction	1.3	1290	706	742	7.94	6.47	200				475			<0.020	<0.0010	<0.0020	0.044	<0.0050	<0.10	0.00029	160
BH12A	06/05/2005	11:10	REP	suction	1.3	1290	706	737	8.03	6.47	67.3				469			<0.020	<0.0010	<0.0020	0.045	<0.0050	<0.10	0.00029	160
BH12A	11/09/2005	14:30		suction	5.1	919	936	520	7.82	7.02	183				298			<0.020	<0.0010	<0.0020	0.033	<0.0050	<0.10	0.00023	111
BH12B	06/05/2005	11:55		suction	2.3	1250	1251	705	7.96	6.2	201				451			<0.020	<0.0010	<0.0020	0.043	<0.0050	<0.10	0.00027	148
BH12B	11/09/2005	14:30		suction	4	938	937	475	7.73	6.93	180				315			<0.020	<0.0010	<0.0020	0.031	<0.0050	<0.10	0.00023	105
BH13A	06/05/2005	10:20		suction	2	1000	1055	511	7.89	6.11	124				406			<0.020	<0.0010	<0.0020	0.025	<0.0050	<0.10	<0.00010	136
BH13A	11/09/2005	13:50		suction	2.7	756	857	362	7.98	7.59	188				234			<0.020	<0.0010	<0.0020	0.039	<0.0050	<0.10	<0.00010	100
BH13B	11/09/2005	13:50		suction	2.4	1030	1048	601	7.47	7.26	101				437			<0.020	<0.0010	<0.0020	0.025	<0.0050	<0.10	<0.00010	164
BH14A	05/05/2005	18:00		suction	2		3214	2320	7.75	6.16	341				1550			<0.10	<0.0050	<0.010	<0.040	<0.010	<0.20	<0.00050	612
BH14A	11/09/2005	13:20		suction	6.2	3740	3809	2460	7.25	6.67	358				2040			<0.050	<0.0025	<0.0050	0.023	<0.0050	<0.10	<0.00025	600
BH14B	05/05/2005	18:00	SP	suction	2.5		3114	2230	7.79	6.5	341				1570			<0.10	<0.0050	<0.010	<0.040	<0.010	<0.20	<0.00050	571
BH14B	05/05/2005	18:00		suction	2.5		3114	2200	7.81	6.5	343				20.0			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	<0.00025	564
BH14B	11/09/2005	13:15		suction	6.31	3220	3388	2060	7.46	6.2	312				1570			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	506
BH2	05/05/2005	16:45		suction	3		505	270	6.90	5.69	101				171			0.089	<0.0025	<0.0050	0.058	<0.010	<0.20	0.0190	75.8
BH2	11/09/2005	11:15		manual		506		269	6.79		100				159			0.224	<0.0025	<0.0050	0.052	<0.0050	<0.10	0.0271	70.0
BH4	05/05/2005	16:45		suction	3.5		578	268	6.03	5.05	21.7				240			9.22	<0.0010	<0.0020	<0.040	<0.010	<0.20	0.0131	76.5
BH4	11/09/2005	11:30		suction	5	474	435	295	7.11	6.17	125				121			0.085	<0.00050	<0.0010	0.028	<0.0050	<0.10	0.00356	85.9
P01-01A	20/07/2005	18:20		suction	6.5	1310	1243	689	7.71	7.52	233				538			<0.020	<0.0010	<0.0020	0.094	<0.0050	<0.10	<0.00010	199
P01-01A	10/09/2005	09:30		suction	3.24	1410	1360	633	7.63	7.12	254				559			<0.020	<0.0010	<0.0020	0.069	<0.0050	<0.10	0.00034	203
P01-01B	04/05/2005	10:58		suction	3.9	1080	1152	651	8.10	7.17	249				399			<0.020	<0.0010	0.0038	0.081	<0.0050	<0.10	<0.00010	196
P01-01B	10/09/2005	09:50		suction	6.07	1100	1039	515	7.15	6.85	255				377			<0.020	<0.0010	0.0033	0.064	<0.0050	<0.10	<0.00010	162
P01-02A	11/05/2005	13:51		suction	4.8	646	528	354	8.09		208				141			<0.010	<0.00050	<0.0010	0.060	<0.015	<0.30	0.000060	102
P01-02A	21/07/2005	12:55		suction	6.3	621	552	322	8.07	7.66	208				135			<0.010	<0.00050	<0.0010	0.062	<0.0050	<0.10	0.000070	90.0
P01-02A	09/09/2005	11:14		suction	4.89	647	624	348	5.83	7.59	217				127			<0.010	<0.00050	<0.0010	0.059	<0.0050	<0.10	0.000085	100
P01-02B	10/05/2005	13:51		suction		182		-	8.11		66.8				19.0			-	-	-	-	-	-	-	-
P01-02B	21/07/2005	13:20		suction	6.4	509	953	266	8.10	7.54	175				103			<0.010	<0.00050	0.0034	0.033	<0.0050	<0.10	<0.000050	63.9
P01-02B	09/09/2005	12:11		suction	7.62	510	520	273	6.34	8.1	193				92.3			<0.010	<0.00050	0.0035	0.032	<0.0050	<0.10	<0.000050	67.6
P01-03	04/05/2005	10:58		suction	3.2	2340	2531	1760	7.69	6.63	315				1360			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00113	516
P01-03	09/09/2005	15:25		suction	4.36	2420	2395	1600	7.35	6.78	324				1230			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00176	473
P01-04A	21/07/2005	17:10		suction	6.4	1280	1082	615	7.46	6.48	743				31.8			<0.020	<0.0010	<0.0020	0.505	<0.0050	<0.10	<0.00010	152
P01-04A	10/09/2005	14:39		suction	3.99	1290	1225	481	7.28	6.61	746				26.0			<0.020	<0.0010	<0.0020	0.475	<0.0050	<0.10	<0.00010	114
P01-04B	21/07/2005	16:20		suction	4.8	1340	1147	695	7.74	7.23	295				494			<0.050	<0.0025	<0.0050	0.032	<0.0050	<0.10	<0.00025	218
P01-04B	10/09/2005	14:56		suction	3.66	1350	1320	808	7.70	7.29	300				463			<0.020	<0.0010	<0.0020	0.033	<0.0050	<0.10	<0.00010	263
P01-05A	10/05/2005	17:55		suction	4	1500	1106	315	7.46		26.0				682			<0.020	0.0456	0.0044	<0.060	<0.015	<0.30	<0.00010	94.6
P01-05A	10/05/2005	17:30	DD	suction	4	1330	1106	263	7.72		27.3				570			<0.020	<0.0010	<0.0020	<0.060	<0.015	<0.30	<0.00010	79.3
P01-05A	11/09/2005	17:39	DD	suction	6.1	1270	1020	292	7.45	7.02	24.1				538			<0.020	0.0019	<0.0020	<0.020	<0.0050	<0.10	<0.00010	87.9
P01-05A	11/09/2005	17:20		suction	6.1	1240	1020	294	7.46	7.02	30.1				528			<0.020	0.0351	0.0045	<0.020	<0.0050	<0.10	<0.00010	84.5
P01-05B	10/05/2005	17:22		suction	3.9	1740	1163	794	7.89		222				794			<0.050	0.0095	0.0118	<0.060	<0.015	<0.30	<0.00025	246
P01-05B	10/05/2005	17:00	DD	suction	3.9	1710	1163	919	7.94		221				758			<0.020	<0.0010	0.0058	<0.060	<0.015	<0.30	<0.00010	285
P01-05B	11/09/2005	17:36		suction	5.3	1810	1368	935	7.30	6.88	237				813			<0.050	0.0163	0.0226	0.028	<0.0050	<0.10	<0.00025	292
P01-05B	11/09/2005	17:00	DD	suction	5.3	1770	1368	914	7.43	6.88	242				783			<0.050	0.0045	0.0124	0.035	<0.0050	<0.10	<0.00025	281
P01-07C	10/05/2005	09:40		suction	3.6	1440	1220	746	7.85		194				605			<0.10	<0.0050	0.016	0.115	<0.015	<0.30	<0.00050	225
P01-07C	10/05/2005	10:00																							

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	Metals																		
					Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
BH1	05/05/2005	17:00		suction	<0.00050	0.00087	0.0040	<0.060	0.0027	<0.10	14.4	0.217	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	5.6	<0.00020	<0.10	0.00138	<0.060	0.615
BH1	11/09/2005	10:52		suction	<0.00050	0.00098	0.0041	<0.030	0.0024	<0.050	19.0	0.360	<0.00020	<0.0010	0.0069	<0.0010	<0.000050	6.4	<0.00020	<0.050	0.00162	<0.030	0.951
BH12A	06/05/2005	11:10		suction	<0.0010	<0.0010	<0.0040	<0.030	<0.0020	<0.050	83.1	<0.010	<0.00020	<0.0020	0.011	0.0027	<0.00010	6.6	<0.00040	<0.050	0.00643	<0.030	0.171
BH12A	06/05/2005	11:10	REP	suction	<0.0010	<0.0010	<0.0040	<0.030	<0.0020	<0.050	82.3	<0.010	<0.00020	<0.0020	0.011	0.0029	<0.00010	7.0	<0.00040	<0.050	0.00624	<0.030	0.175
BH12A	11/09/2005	14:30		suction	<0.0010	<0.0010	0.0022	<0.030	<0.0020	<0.050	58.8	<0.010	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	5.0	<0.00040	<0.050	0.00532	<0.030	0.201
BH12B	06/05/2005	11:55		suction	<0.0010	<0.0010	<0.0040	<0.030	<0.0020	<0.050	81.4	<0.010	<0.00020	<0.0020	0.011	0.0022	<0.00010	6.7	<0.00040	<0.050	0.00661	<0.030	0.187
BH12B	11/09/2005	14:30		suction	<0.0010	<0.0010	0.0023	<0.030	<0.0020	<0.050	52.0	<0.010	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	4.4	<0.00040	<0.050	0.00515	<0.030	0.167
BH13A	06/05/2005	10:20		suction	<0.0010	<0.0010	0.0069	<0.030	<0.0020	<0.050	41.8	<0.010	<0.00020	0.0049	<0.010	<0.0020	<0.00010	14.3	<0.00040	<0.050	0.00140	<0.030	0.0091
BH13A	11/09/2005	13:50		suction	<0.0010	0.0012	<0.0020	2.24	<0.0020	<0.050	27.2	0.430	<0.00020	0.0054	<0.010	<0.0020	<0.00010	37.2	<0.00040	<0.050	0.00136	<0.030	0.0191
BH13B	11/09/2005	13:50		suction	<0.0010	<0.0010	0.0050	<0.030	<0.0020	<0.050	46.3	<0.010	<0.00020	0.0040	<0.010	0.0053	<0.00010	4.9	<0.00040	<0.050	0.00119	<0.030	0.0080
BH14A	05/05/2005	18:00		suction	<0.0050	<0.0050	<0.010	<0.060	<0.010	<0.10	192	<0.020	<0.00020	<0.010	<0.050	<0.010	<0.00050	21.6	<0.0020	<0.10	0.117	<0.060	0.019
BH14A	11/09/2005	13:20		suction	<0.0025	<0.0025	<0.0050	<0.030	0.0056	0.069	233	<0.010	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	15.4	<0.0010	<0.050	0.129	0.037	0.164
BH14B	05/05/2005	18:00	SP	suction	<0.0050	<0.0050	<0.010	<0.060	<0.010	<0.10	196	<0.020	<0.00020	<0.010	<0.050	<0.010	<0.00050	16.1	<0.0020	<0.10	0.137	<0.060	0.042
BH14B	05/05/2005	18:00		suction	<0.0025	<0.0025	<0.0050	<0.060	<0.0050	<0.10	192	<0.020	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	15.9	<0.0010	<0.10	0.125	<0.060	0.037
BH14B	11/09/2005	13:15		suction	<0.0025	<0.0025	<0.0050	<0.030	<0.0050	0.057	194	<0.010	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	12.5	<0.0010	<0.050	0.122	0.041	0.0763
BH2	05/05/2005	16:45		suction	<0.0025	<0.0025	<0.0050	0.071	<0.0050	<0.10	19.5	0.023	<0.00020	<0.0050	0.052	<0.0050	<0.00025	5.0	<0.0010	<0.10	<0.0010	<0.060	13.5
BH2	11/09/2005	11:15		manual	<0.0025	<0.0025	<0.0050	0.070	<0.0050	<0.050	22.9	0.021	<0.00020	<0.0050	0.069	<0.0050	<0.00025	5.6	<0.0010	<0.00020	<0.0010	<0.030	17.3
BH4	05/05/2005	16:45		suction	<0.0010	0.00603	0.182	<0.060	0.0025	<0.10	18.7	0.747	<0.00020	<0.0020	0.068	<0.0020	<0.00010	5.8	<0.00040	<0.10	0.00051	<0.060	7.66
BH4	11/09/2005	11:30		suction	<0.00050	0.00887	0.0052	<0.030	<0.0010	<0.050	19.7	0.149	<0.00020	<0.0010	0.0186	<0.0010	<0.000050	6.3	<0.00020	<0.050	<0.00020	<0.030	1.91
P01-01A	20/07/2005	18:20		suction	<0.0010	0.0011	<0.0020	<0.030	<0.0020	<0.050	46.5	2.60	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	32.0	<0.00040	<0.050	0.00664	<0.030	0.0979
P01-01A	10/09/2005	09:30		suction	<0.0010	<0.0010	<0.0020	0.040	<0.0020	<0.050	30.6	2.57	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	15.9	<0.00040	<0.050	0.00688	<0.030	0.0097
P01-01B	04/05/2005	10:58		suction	<0.0010	<0.0010	<0.0020	0.756	<0.0020	<0.050	39.2	0.118	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	26.8	<0.00040	<0.050	0.00588	<0.030	0.0065
P01-01B	10/09/2005	09:50		suction	<0.0010	<0.0010	<0.0020	0.572	<0.0020	<0.050	26.8	0.089	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	19.0	<0.00040	<0.050	0.00606	<0.030	0.0113
P01-02A	11/05/2005	13:51		suction	<0.00050	0.00051	<0.0010	<0.090	<0.0010	<0.15	24.4	1.04	<0.00020	0.0016	<0.0050	<0.0010	<0.000050	11.0	<0.00020	<0.15	0.00220	<0.090	<0.015
P01-02A	21/07/2005	12:55		suction	<0.00050	0.00062	<0.0010	<0.030	<0.0010	<0.050	23.6	0.724	<0.00020	0.0020	<0.0050	<0.0010	<0.000050	11.9	<0.00020	<0.050	0.00228	<0.030	<0.0050
P01-02A	09/09/2005	11:14		suction	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	23.7	1.00	<0.00020	0.0019	<0.0050	<0.0010	<0.000050	12.2	<0.00020	<0.050	0.00231	<0.030	0.0081
P01-02B	10/05/2005	13:51		suction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P01-02B	21/07/2005	13:20		suction	<0.00050	<0.00050	<0.0010	0.507	<0.0010	<0.050	25.8	0.148	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	12.4	<0.00020	<0.050	0.00229	<0.030	<0.0050
P01-02B	09/09/2005	12:11		suction	<0.00050	<0.00050	<0.0010	0.493	<0.0010	<0.050	25.3	0.141	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	12.3	<0.00020	<0.050	0.00232	<0.030	0.0087
P01-03	04/05/2005	10:58		suction	<0.0050	0.0587	<0.010	0.270	<0.010	<0.050	113	39.1	<0.00020	<0.010	0.091	<0.010	<0.00050	47.7	<0.0020	<0.050	0.0072	0.099	0.0188
P01-03	09/09/2005	15:25		suction	<0.0050	0.0518	<0.010	0.149	<0.010	<0.050	103	37.7	<0.00020	<0.010	0.093	<0.010	<0.00050	45.3	<0.0020	<0.050	0.0059	<0.030	0.0172
P01-04A	21/07/2005	17:10		suction	<0.0010	<0.0010	<0.0020	0.815	<0.0020	0.170	57.3	0.270	<0.00020	<0.0020	<0.010	<0.0020	0.00044	76.5	<0.00040	<0.050	0.00044	<0.030	<0.0050
P01-04A	10/09/2005	14:39		suction	<0.0010	<0.0010	<0.0020	0.721	<0.0020	0.175	47.7	0.248	<0.00020	<0.0020	<0.010	<0.0020	0.00036	68.6	<0.00040	<0.050	<0.00040	<0.030	<0.0050
P01-04B	21/07/2005	16:20		suction	<0.0025	<0.0025	<0.0050	4.81	<0.0050	<0.050	36.7	1.15	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	46.3	<0.0010	<0.050	0.0033	<0.030	<0.0050
P01-04B	10/09/2005	14:56		suction	<0.0010	<0.0010	<0.0020	5.29	<0.0020	<0.050	36.9	1.39	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	49.6	<0.00040	<0.050	0.00324	<0.030	0.0056
P01-05A	10/05/2005	17:55		suction	<0.0010	0.0021	<0.0020	<0.090	0.0257	<0.15	19.2	0.125	<0.00020	0.0088	<0.010	<0.0020	<0.00010	146	<0.00040	<0.15	<0.00040	<0.090	<0.015
P01-05A	10/05/2005	17:30	DD	suction	<0.0010	0.0018	<0.0020	0.783	<0.0020	<0.15	15.8	0.098	<0.00020	0.0155	<0.010	<0.0020	<0.00010	174	<0.00040	<0.15	<0.00040	<0.090	0.187
P01-05A	11/09/2005	17:39	DD	suction	<0.0010	0.0019	<0.0040	0.137	<0.0020	<0.050	17.7	0.188	<0.00020	0.0116	<0.010	<0.0020	<0.00010	183	<0.00040	<0.050	<0.00040	<0.030	0.0108
P01-05A	11/09/2005	17:20		suction	<0.0010	0.0020	<0.0020	0.057	0.0290	<0.050	20.1	0.302	<0.00020	0.0096	<0.010	<0.0020	<0.00010	176	<0.00040	<0.050	<0.00040	<0.030	0.0262
P01-05B	10/05/2005	17:22		suction	<0.0025	0.0088	<0.0050	4.91	0.0264	<0.15	43.6	15.5	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	52.4	<0.0010	<0.15	0.0058	<0.090	0.052
P01-05B	10/05/2005	17:00	DD	suction	<0.0010	0.0064	<0.0020	11.2	<0.0020	<0.15	50.4	17.7	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	66.3	<0.00040	<0.15	0.00556	<0.090	0.037
P01-05B	11/09/2005	17:36		suction	<0.0025	0.0083	<0.0050	4.98	0.0348	<0.050	49.9	17.3	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	59.6	<0.0010	<0.050	0.0058	0.033	0.0718
P01-05B	11/09/2005	17:00	DD	suction	<0.0025	0.0082	<0.0050	7.10	<0.0050	<0.050	51.5	17.7	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	71.0	<0.0010	<0.050	0.0061	<0.030	0.0465
P01-07C	10/05/2005	09:40		suction	<0.0050	0.0115	&																

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	General Chemistry							Anions				Nutrients			Metals						
					Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L
P03-01-01	08/09/2005	10:40		pp	5.2	444	370	212	7.46	7.52	224				18.3			<0.010	<0.00050	0.0047	0.098	<0.0050	<0.10	<0.000050	64.6
P03-01-02	03/05/2005	10:55		pp	3.9	367	224	190	8.14	7.67	151				49.2			<0.010	<0.00050	0.0027	0.110	<0.0050	<0.10	<0.000050	58.0
P03-01-02	08/09/2005	10:48		pp	4.4	432	371	221	7.73	7.55	191				46.3			<0.010	<0.00050	0.0021	0.125	<0.0050	<0.10	<0.000050	69.9
P03-01-03	03/05/2005	11:05		pp	5.7	348	216	177	7.88	6.91	128				65.8			<0.010	<0.00050	0.0022	0.099	<0.0050	<0.10	<0.000050	54.4
P03-01-03	08/09/2005	11:01		pp	4.4	354	305	159	7.38	7.23	137				53.5			<0.010	<0.00050	<0.0010	0.073	<0.0050	<0.10	<0.000050	49.2
P03-01-04	03/05/2005	11:10		pp	5	567	388	328	7.27	6.81	57.9				246			<0.020	<0.0010	<0.0020	0.059	<0.0050	<0.10	0.00029	102
P03-01-04	08/09/2005	11:08		pp	4.6	543	419	271	6.75	6.2	57.0				215			<0.010	<0.00050	<0.0010	0.083	<0.0050	<0.10	0.000703	86.7
P03-01-05	03/05/2005	11:30		pp	4.9	724	508	441	7.33	6.68	72.8				327			<0.020	<0.0010	<0.0020	0.085	<0.0050	<0.10	0.00040	135
P03-01-05	08/09/2005	11:18		pp	4.5	434	361	208	7.02	6.53	79.8				134			0.013	<0.00050	<0.0010	0.046	<0.0050	<0.10	0.000113	65.4
P03-01-06	03/05/2005	11:35		pp	3.8	963	638	237	6.23	6.27	50.1				530			<0.050	<0.0025	0.0092	0.104	<0.0050	<0.10	<0.00025	56.7
P03-01-06	08/09/2005	11:26		pp	4.6	750	524	169	5.96	6.38	11.3				343			0.027	<0.0010	0.0096	0.070	<0.0050	<0.10	<0.00010	46.3
P03-01-07	03/05/2005	11:50		pp	4.4	11800	6480	1150	4.47	6.41	<1.0				13600			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	142
P03-01-07	08/09/2005	11:30		pp	5.2	6120	1613	783	4.13	6.76	9.7				4820			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	109
P03-01-08	08/09/2005	11:36		pp	5	20400	2119	3230	3.47	6.05	<2.0				25200			<1.0	<0.050	<0.10	<0.40	<0.10	<2.0	<0.0050	409
P03-01-09	03/05/2005	11:45		pp	-	31200	-	3540	3.07	-	<1.0				54400			<1.0	<0.50	<1.0	<1.0	<0.25	<5.0	<0.050	421
P03-01-09	08/09/2005	11:49		pp		23800		4390	3.36		<2.0				30600			<5.0	<0.25	<0.50	<0.40	<0.10	2.4	<0.025	475
P03-02-01	11/05/2005	10:39		pp	5.2	363	388	199	8.05		148				36.0			<0.010	<0.00050	<0.0010	0.085	<0.015	<0.30	<0.000050	63.0
P03-02-01	08/09/2005	13:39		pp	4.5	416	342	222	6.20	7.4	143				62.8			<0.010	<0.00050	<0.0010	0.097	<0.0050	<0.10	<0.000050	70.2
P03-02-02	11/05/2005	10:42		pp	4.3	262	275	138	7.73		92.9				32.7			<0.010	<0.00050	<0.0010	0.083	<0.015	<0.30	<0.000050	42.4
P03-02-02	08/09/2005	13:43		pp	4.1	336	298	158	6.81	7.05	101				66.3			<0.010	<0.00050	<0.0010	0.098	<0.0050	<0.10	<0.000050	48.5
P03-02-03	11/05/2005	10:55		pp	4.7	263	259	136	7.47		92.5				33.2			<0.010	<0.00050	<0.0010	0.083	<0.015	<0.30	<0.000050	41.8
P03-02-03	08/09/2005	13:56		pp	4.3	317	280	144	6.98	6.83	91.0				67.9			<0.010	<0.00050	<0.0010	0.097	<0.0050	<0.10	<0.000050	44.1
P03-02-04	11/05/2005	11:00		pp	4.5	515	452	235	7.15		64.0				192			<0.020	<0.0010	<0.0020	<0.060	<0.015	<0.30	0.00014	74.1
P03-02-04	08/09/2005	14:04		pp	4.5	542	407	250	6.76	6.29	57.3				212			<0.050	<0.0025	<0.0050	0.049	<0.0050	<0.10	<0.00025	79.2
P03-02-04	08/09/2005	14:04	REP	pp	4.5	558	407	263	6.74	6.29	51.7				230			<0.050	<0.0025	<0.0050	0.050	<0.0050	<0.10	<0.00025	83.8
P03-02-05	11/05/2005	11:15		pp	6.1	6150	3000	2310	5.20		47.6				4860			<0.20	<0.010	<0.020	<0.060	<0.015	<0.30	<0.0010	401
P03-02-05	08/09/2005	14:14		pp	4.8	6290	1545	2160	4.97	6.82	42.4				4730			<0.10	<0.0050	<0.010	<0.040	<0.010	<0.20	<0.000050	356
P03-02-06	11/05/2005	11:20		pp	5.5	7860	2912	2580	4.00		43.7				6670			<0.20	<0.010	<0.020	<0.060	<0.015	<0.30	<0.0010	411
P03-02-06	08/09/2005	14:27		pp	5.2	7890	1774	2310	3.88	6.53	3.4				6760			<0.20	<0.010	<0.020	<0.040	<0.010	<0.20	<0.0010	338
P03-02-07	11/05/2005	11:25		pp		9620		3050	3.75		46.8				8980			<0.20	<0.010	<0.020	<0.10	<0.025	<0.50	<0.0010	443
P03-02-07	08/09/2005	14:28		pp	6	9310	2022	2860	3.63	6.35	<2.0				8570			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	407
P03-02-08	11/05/2005	11:42		pp	5.6	10900	2250	2510	3.53		<2.0				11000			0.92	<0.010	0.051	0.24	<0.025	<0.50	0.0061	363
P03-02-08	08/09/2005	14:40		pp	6.9	15000	2527	2770	3.81	5.45	55.6				16600			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	389
P03-02-09	11/05/2005	11:35		pp	5.2	18800	2473	2180	3.31		<2.0				23600			<1.0	<0.050	<0.10	<0.40	<0.10	<2.0	<0.0050	419
P03-02-09	08/09/2005	14:44		pp		18500		2120	3.50		46.2				21900			<1.0	<0.050	<0.10	<0.40	<0.10	<2.0	<0.0050	410
P03-03-01	05/05/2005	16:52		pp	4.3		514	331	8.01	7.06	265	<0.050			3.80			<0.010	<0.00050	0.0045	0.289	<0.0050	<0.10	<0.000050	97.5
P03-03-01	22/07/2005	18:15		pp	6.1	2190	472.3	422	4.79	6.73	<2.0	<1.0	<50	<2.0	1560	<10	<10	2.01	0.043	<0.050	<0.020	<0.0050	<0.10	0.0134	100
P03-03-01	22/07/2005	18:15	REP	pp	6.1	2200	472.3	427	4.57	6.73	<2.0	<1.0	<50	<2.0	1510	<10	<10	2.04	<0.025	<0.050	<0.020	<0.0050	<0.10	0.0148	102
P03-03-01	08/09/2005	16:10		pp	4.3	509	590	293	7.93	7.15	290	<0.010	<0.50	0.452	3.2	<0.0050	<0.0010	<0.010	<0.00050	0.0069	0.265	<0.0050	<0.10	<0.000050	87.4
P03-03-02	11/05/2005	12:20	REP	pp	4.3	2390	275	524	4.61		4.5	<5.0			1630			2.87	<0.010	<0.020	<0.060	<0.015	<0.30	0.0174	126
P03-03-02	11/05/2005	12:20		pp	5.2	2380	1746	524	4.38		4.4	<0.050			17.1			2.52	<0.025	<0.050	<0.060	<0.015	<0.30	0.0155	126
P03-03-02	22/07/2005	18:20		pp	5.8	508	1580	274	7.81	4.87	277	<0.010	<0.50	0.402	3.9	<0.10	<0.10	<0.010	<0.00050	0.0076	0.263	<0.0050	<0.10	<0.000050	80.4
P03-03-02	08/09/2005	16:18		pp	5.2	1730	1103	378	4.91	4.94	<2.0	<0.010	<5.0	<0.20	1060	<0.05									

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	Metals																		
					Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
P03-01-01	08/09/2005	10:40	REP	pp	<0.00050	<0.00050	<0.0010	4.12	<0.0010	<0.050	12.2	0.156	<0.00020	0.0032	<0.0050	<0.0010	<0.000050	6.3	<0.00020	<0.050	0.00027	<0.030	<0.0050
P03-01-02	03/05/2005	10:55		pp	<0.00050	0.00323	<0.0010	0.282	<0.0010	<0.050	11.0	1.09	<0.00020	0.0046	<0.0050	<0.0010	<0.000050	3.6	<0.00020	<0.050	0.00216	<0.030	0.0052
P03-01-02	08/09/2005	10:48		pp	<0.00050	0.00638	<0.0010	0.432	<0.0010	<0.050	11.3	1.42	<0.00020	0.0042	<0.0050	<0.0010	<0.000050	4.1	<0.00020	<0.050	0.00206	<0.030	<0.0050
P03-01-03	03/05/2005	11:05		pp	<0.00050	0.00062	<0.0010	0.535	<0.0010	<0.050	9.99	0.162	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	3.1	<0.00020	<0.050	0.00354	<0.030	0.0079
P03-01-03	08/09/2005	11:01		pp	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	8.68	0.037	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	2.2	<0.00020	<0.050	0.00430	<0.030	<0.0050
P03-01-04	03/05/2005	11:10		pp	<0.0010	<0.0010	<0.0020	0.300	<0.0020	<0.050	18.2	0.075	<0.00020	<0.0020	0.013	<0.0020	<0.00010	5.5	<0.00040	<0.050	<0.00040	<0.030	0.0271
P03-01-04	08/09/2005	11:08		pp	<0.00050	<0.00050	<0.0010	<0.030	<0.0010	<0.050	13.3	0.168	<0.00020	<0.0010	0.0528	<0.0010	<0.000050	3.5	<0.00020	<0.050	<0.00020	<0.030	0.190
P03-01-05	03/05/2005	11:30		pp	<0.0010	0.0018	<0.0020	0.444	<0.0020	<0.050	25.1	0.458	<0.00020	<0.0020	0.015	<0.0020	<0.00010	6.6	<0.00040	<0.050	<0.00040	<0.030	0.0306
P03-01-05	08/09/2005	11:18		pp	<0.00050	0.00090	<0.0010	0.166	<0.0010	<0.050	10.9	0.290	<0.00020	<0.0010	0.0080	<0.0010	<0.000050	3.6	<0.00020	<0.050	<0.00020	<0.030	0.0146
P03-01-06	03/05/2005	11:35		pp	<0.0025	0.0558	<0.0050	148	<0.0050	<0.050	23.2	6.21	<0.00020	<0.0050	0.053	<0.0050	<0.00025	45.3	<0.0010	<0.050	<0.0010	0.060	5.13
P03-01-06	08/09/2005	11:26		pp	<0.0010	0.0636	<0.0020	114	0.0047	<0.050	13.1	6.02	<0.00020	<0.0020	0.054	<0.0020	<0.00010	18.4	<0.00040	<0.050	<0.00040	0.059	4.71
P03-01-07	03/05/2005	11:50		pp	<0.050	<0.050	<0.10	3550	<0.10	<0.50	194	24.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	408	<0.020	<0.50	<0.020	<0.30	279
P03-01-07	08/09/2005	11:30		pp	<0.025	<0.025	<0.050	3220	<0.050	<0.25	124	22.0	<0.00020	0.149	<0.25	<0.050	<0.0025	415	<0.010	<0.25	<0.010	<0.15	315
P03-01-08	08/09/2005	11:36		pp	<0.050	<0.050	<0.10	14300	<0.10	<1.0	536	88.7	<0.00020	<0.10	<0.50	<0.10	<0.0050	603	<0.020	<1.0	<0.020	<7.0	1420
P03-01-09	03/05/2005	11:45		pp	<0.50	<0.50	<1.0	23700	5.9	<2.5	604	148	0.00022	<1.0	<5.0	<1.0	<0.050	310	<0.20	<2.5	<0.20	<1.5	2450
P03-01-09	08/09/2005	11:49		pp	<0.25	<0.25	<0.50	17600	4.19	<1.0	777	109	<0.00020	<0.50	<2.5	<0.50	<0.025	766	<0.10	<1.0	<0.10	<1.0	1950
P03-02-01	11/05/2005	10:39	pp	<0.00050	<0.00050	<0.0010	0.136	<0.0010	<0.15	10.1	0.611	<0.00020	0.0023	<0.0050	<0.0010	<0.000050	<6.0	<0.00020	<0.15	0.00126	<0.090	<0.015	
P03-02-01	08/09/2005	13:39	pp	<0.00050	0.00051	<0.0010	0.152	<0.0010	<0.050	11.3	0.573	<0.00020	0.0018	<0.0050	<0.0010	<0.000050	2.9	<0.00020	<0.050	0.00157	<0.030	<0.0050	
P03-02-02	11/05/2005	10:42	pp	<0.00050	<0.00050	<0.0010	<0.090	<0.0010	<0.15	7.71	<0.030	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	<6.0	<0.00020	<0.15	0.00069	<0.090	<0.015	
P03-02-02	08/09/2005	13:43	pp	<0.00050	<0.00050	<0.0010	0.040	<0.0010	<0.050	8.93	<0.010	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	2.3	<0.00020	<0.050	0.00092	<0.030	0.0066	
P03-02-03	11/05/2005	10:55	pp	<0.00050	<0.00050	<0.0010	0.514	<0.0010	<0.15	7.63	<0.030	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	<6.0	<0.00020	<0.15	0.00075	<0.090	0.086	
P03-02-03	08/09/2005	13:56	pp	<0.00050	<0.00050	<0.0010	0.129	<0.0010	<0.050	8.08	0.014	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	2.3	<0.00020	<0.050	0.00044	<0.030	0.0074	
P03-02-04	11/05/2005	11:00	pp	<0.0010	0.0053	<0.0020	0.621	<0.0020	<0.15	12.1	8.88	<0.00020	<0.0020	0.055	<0.0020	<0.00010	8.7	<0.00040	<0.15	<0.00040	<0.090	0.096	
P03-02-04	08/09/2005	14:04	pp	<0.0025	0.0038	<0.0050	0.574	<0.0050	0.064	12.7	9.10	<0.00020	<0.0050	0.091	<0.0050	<0.00025	7.2	<0.0010	<0.050	<0.0010	<0.030	0.246	
P03-02-04	08/09/2005	14:04	pp	<0.0025	0.0039	<0.0050	0.578	<0.0050	0.063	13.1	9.57	<0.00020	<0.0050	0.097	<0.0050	<0.00025	7.3	<0.0010	<0.050	<0.0010	<0.030	0.272	
P03-02-05	11/05/2005	11:15	pp	<0.010	<0.010	<0.020	1180	<0.020	0.15	318	21.7	<0.00020	<0.020	<0.10	<0.020	<0.0010	333	<0.0040	<0.15	0.0040	<0.090	<0.015	
P03-02-05	08/09/2005	14:14	pp	<0.0050	<0.0050	<0.010	1220	<0.010	0.18	309	21.3	<0.00020	0.011	<0.050	<0.010	<0.00050	353	<0.0020	<0.10	0.0041	0.668	<0.010	
P03-02-06	11/05/2005	11:20	pp	<0.010	<0.010	<0.020	1860	<0.020	0.20	378	19.9	<0.00020	<0.020	<0.10	<0.020	<0.0010	368	<0.0040	<0.15	<0.0040	0.107	<0.015	
P03-02-06	08/09/2005	14:27	pp	<0.010	<0.010	<0.020	1900	<0.020	0.27	357	18.6	<0.00020	<0.020	<0.10	<0.020	<0.0010	346	<0.0040	<0.10	<0.0040	1.11	<0.010	
P03-02-07	11/05/2005	11:25	pp	<0.010	<0.010	<0.020	3030	0.020	<0.25	471	23.3	<0.00020	<0.020	<0.10	<0.020	<0.0010	322	<0.0040	<0.25	<0.0040	<0.15	<0.025	
P03-02-07	08/09/2005	14:28	pp	<0.025	<0.025	<0.050	2710	<0.050	0.32	447	23.7	<0.00020	<0.050	<0.25	<0.050	<0.0025	340	<0.010	<0.25	<0.010	1.36	<0.025	
P03-02-08	11/05/2005	11:42	pp	<0.010	<0.010	0.067	4110	2.74	<0.25	390	30.5	0.00076	<0.020	<0.10	<0.020	0.0012	223	<0.0040	<0.25	<0.0040	<0.15	15.9	
P03-02-08	08/09/2005	14:40	pp	<0.050	<0.050	<0.10	8350	1.53	<0.50	437	49.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	220	<0.020	<0.50	<0.020	3.98	21.7	
P03-02-09	11/05/2005	11:35	pp	<0.050	<0.050	<0.10	12700	0.30	<1.0	275	70.5	<0.00020	<0.10	<0.50	<0.10	<0.0050	54	<0.020	<1.0	<0.020	<0.60	436	
P03-02-09	08/09/2005	14:44	pp	<0.050	<0.050	<0.10	12400	1.14	<1.0	266	69.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	<40	<0.020	<1.0	<0.020	5.91	477	
P03-03-01	05/05/2005	16:52	REP	pp	<0.00050	0.00255	<0.0010	4.45	<0.0010	<0.050	21.2	0.191	<0.00020	0.0023	<0.0050	<0.0010	<0.000050	13.4	<0.00020	<0.050	0.00041	<0.030	0.0070
P03-03-01	22/07/2005	18:15		pp	<0.025	0.158	<0.050	482	<0.050	<0.050	41.6	14.4	<0.00020	<0.050	<0.25	<0.050	<0.0025	13.5	<0.010	<0.050	<0.010	<0.030	109
P03-03-01	22/07/2005	18:15		pp	<0.025	0.160	<0.050	487	<0.050	<0.050	41.9	14.4	<0.00020	<0.050	<0.25	<0.050	<0.0025	13.5	<0.010	<0.050	<0.010	<0.030	109
P03-03-01	08/09/2005	16:10																					

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	General Chemistry							Anions				Nutrients			Metals							
					Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	
P03-03-09	08/09/2005	17:26		pp		26900		5330	3.32		69.4				34000			<2.0	<0.10	<0.20	<0.40	<0.10	<3.0	<0.010	478	
P03-04-01	03/05/2005	14:10		pp/assist	4.5	1860	1154	924	7.92	6.84	261				950			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	294	
P03-04-01	10/09/2005	10:29		pp/assist	6	1880	1207	1110	7.84	7.15	259				838			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	363	
P03-04-02	03/05/2005	14:30		pp/assist	4.5	1380	859	725	7.22	6.07	111				745			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00060	209	
P03-04-02	03/05/2005	14:37	REP	pp/assist	4.5	1370	859	681	7.23	6.07	107				693			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00065	195	
P03-04-02	22/07/2005	15:28		pp/assist	5.1	1500	1202	748	6.81	6.69	120				726			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00222	216	
P03-04-02	10/09/2005	11:02		pp/assist	6.4	1520	1025	1100	6.97	6.24	110				776			<0.050	<0.0025	<0.0050	0.022	<0.0050	<0.10	0.00246	325	
P03-04-02	10/31/2005	10:33	M	pp/assist	2.5	1450	822	6.6	5.91	111					679			<0.2	<0.2	<0.2	0.017	<0.005	<0.1	<0.01	216	
P03-04-03	03/05/2005	15:10		pp/assist	4.6	1350	818	647	6.97	6.53	88.0				729			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	0.00064	185	
P03-04-03	10/09/2005	11:25		pp/assist	5.7	1410	968	653	6.92	6.19	93.9				715			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	0.00055	194	
P03-04-03	10/09/2005	11:29	REP	pp/assist	5.7	1410	968	694	6.90	6.19	90.6				711			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	0.00063	204	
P03-04-04	03/05/2005	15:15		pp/assist	4	1080	655	393	8.06	7.04	208				409			<0.020	<0.0010	0.0049	0.051	<0.0050	<0.10	<0.00010	127	
P03-04-04	22/07/2005	16:00		pp/assist	6.5	1170	1006	448	7.64	7.06	193				422			<0.020	<0.0010	0.0060	0.064	<0.0050	<0.10	<0.00010	144	
P03-04-04	10/09/2005	10:08		pp/assist	5.5	1410	1019	794	6.85	6.01	92.8				702			<0.050	<0.0025	<0.0050	0.020	<0.0050	<0.10	0.00056	234	
P03-04-04	10/31/2005	10:55	M	pp/assist	3.9	1120	665	7.58	6.93	216					361			<0.2	<0.2	<0.2	0.052	<0.005	<0.1	<0.01	135	
P03-04-05	03/05/2005	15:30		pp/assist	4.2	1420	922	709	7.11	6.67	141				710			<0.10	<0.0050	<0.010	0.060	<0.0050	<0.10	<0.00050	208	
P03-04-05	10/09/2005	11:45		pp/assist	5.6	1360	938	709	7.18	6.64	121				604			<0.050	<0.0025	0.0064	0.052	<0.0050	<0.10	<0.00025	215	
P03-04-06	03/05/2005	15:45		pp/assist	4.8	7470	5180	1360	4.01	6.32	57.9				8060			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	398	
P03-04-06	22/07/2005	17:00		pp/assist	4.7	5180	2967	1640	5.63	6	50.8				4400			<0.20	<0.010	<0.020	<0.040	<0.010	<0.20	<0.0010	472	
P03-04-06	10/09/2005	11:58		pp/assist	7.1	11600	2400	1800	3.90	6.12	<2.0				12200			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	441	
P03-04-06	10/31/2005	11:07	M	pp/assist	3.5	12000	2088	3.68	6.11	50.5					11700			<2	<2	<2	<0.1	<0.05	<1	<0.1	440	
P03-04-07	03/05/2005	15:58		pp/assist	4.4	5410	3630	1550	5.06	6.29	69.0				4960			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	442	
P03-04-07	10/09/2005	12:09		pp/assist	5.7	10400	2258	1700	5.54	6.14	51.5				10700			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	448	
P03-04-08	03/05/2005	16:06		pp/assist	7.7	8230	5440	1190	3.35	6.1	<1.0				8350			<1.0	<0.050	<0.10	<0.20	<0.050	<1.0	<0.0050	389	
P03-04-08	22/07/2005	17:00		pp/assist	11.6	8860	3760	1340	4.14	6.03	47.4				9350			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	429	
P03-04-08	10/09/2005	12:20		pp/assist	7.9	9960	2482	1490	3.85	5.79	51.0				10100			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	449	
P03-04-09	03/05/2005	16:30		pp/assist	-	6800	-	-	3.56	-	<1.0				<10			-	-	-	-	-	-	-	-	
P03-04-09	10/09/2005	12:28		pp/assist	8.6	7890	2362	1470	3.81	5.79	2.8		<0.050		7500			<0.50	<0.025	<0.050	<0.20	<0.050	<1.0	<0.0025	489	
P03-05-01	04/05/2005	10:30		pp/assist	3.9	1450	1481	808	7.87	6.86	182		<0.010	<5.0	<0.20	713			<0.050	<0.0025	<0.0050	0.035	<0.0050	<0.10	<0.00025	248
P03-05-01	10/09/2005	15:00		pp/assist	5.1	1510	1018	887	7.81	2.13	187		<0.010	<5.0	<0.20	744	<0.050	<0.010	<0.050	<0.0025	<0.0050	0.037	<0.0050	<0.10	<0.00025	276
P03-05-02	04/05/2005	10:45		pp/assist	4.4	979	1008	516	7.66	6.32	136		<0.050		437			<0.050	<0.0025	0.0054	0.125	<0.0050	<0.10	<0.00025	156	
P03-05-02	10/09/2005	14:52		pp/assist	5	1040	818	561	7.42	6.73	123		<0.010	0.57	0.078	454	<0.0050	<0.0010	<0.050	<0.0025	0.0052	0.137	<0.0050	<0.10	<0.00025	172
P03-05-03	04/05/2005	10:50		pp/assist	4	875	890	469	7.77	6.94	140		<0.050		360			<0.050	<0.0025	<0.0050	0.166	<0.0050	<0.10	<0.00025	143	
P03-05-03	10/09/2005	15:18		pp/assist	5.3	863	633	442	7.66	7.04	145		<0.010	0.57	0.091	336	0.0082	<0.0010	<0.050	<0.0025	<0.0050	0.155	<0.0050	<0.10	<0.00025	137
P03-05-04	04/05/2005	11:00		pp/assist	3.8	881	900	466	7.80	7.1	141		<0.050		365			<0.050	<0.0025	<0.0050	0.177	<0.0050	<0.10	<0.00025	143	
P03-05-04	10/09/2005	15:25		pp/assist	5.3	868	605	497	7.22	6.97	154		<0.010	0.54	0.098	334	<0.0050	<0.0010	<0.050	<0.0025	<0.0050	0.186	<0.0050	<0.10	<0.00025	155
P03-05-05	04/05/2005	11:15		pp/assist	4	1560	1767	690	6.25	6.69	48.3		<0.50		993			<0.050	<0.0025	0.0092	0.031	<0.0050	<0.10	<0.00025	172	
P03-05-05	04/05/2005	11:20	SP	pp/assist	4	1570	1767	747	6.18	6.69	58.2		<0.50		916			<0.050	<0.0025	0.0101	0.034	<0.0050	<0.10	<0.00025	187	
P03-05-05	10/09/2005	15:40		pp/assist	5.9	1780	1115	762	6.48	6.86	29.1		<0.010	<5.0	0.28	1030	<0.050	<0.010	<0.050	<0.0025	0.0097	0.037	<0.0050	<0.10	<0.00025	198
P03-05-05	10/09/2005	15:41	REP	pp/assist	5.9	1780	1115	832	6.46	6.86	23.9		<0.010	<5.0	0.28	1030	<0.050	<0.010	<0.050	<0.0025	0.0100	0.038	<0.0050	<0.10	<0.00025	214
P03-05-06	04/05/2005	11:36		pp/assist	5.2	2700	2820	1030	7.49	7.19	108		<0.50		1560			0.617	0.0050	0.0086	0.123	<0.0050	<0.10	0.00117	164	
P03-05-06	10/09/2005	15:53		pp/assist	5.1	2550	1421	739	7.72	7.78	124				1300											

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	Metals																		
					Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
P03-03-09	08/09/2005	17:26		pp	<0.10	<0.10	<0.20	20500	2.48	<1.0	1000	242	0.00039	<0.20	<1.0	<0.20	<0.010	524	<0.040	<1.0	<0.040	<1.1	1100
P03-04-01	03/05/2005	14:10		pp/assist	<0.0025	<0.0025	<0.0050	5.00	<0.0050	<0.050	46.2	1.43	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	94.4	<0.0010	<0.050	0.0067	<0.030	0.0491
P03-04-01	10/09/2005	10:29		pp/assist	<0.0025	<0.0025	<0.0050	5.01	<0.0050	<0.050	49.4	1.44	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	94.8	<0.0010	<0.050	0.0066	<0.030	0.0082
P03-04-02	03/05/2005	14:30		pp/assist	<0.0050	0.0808	<0.010	0.205	<0.010	<0.050	49.6	26.4	<0.00020	<0.010	0.120	<0.010	<0.00050	36.1	<0.0020	<0.050	<0.0020	0.047	0.0459
P03-04-02	03/05/2005	14:37	REP	pp/assist	<0.0050	0.0843	<0.010	0.206	<0.010	<0.050	46.9	25.2	<0.00020	<0.010	0.127	<0.010	<0.00050	32.0	<0.0020	<0.050	<0.0020	0.057	0.0424
P03-04-02	22/07/2005	15:28		pp/assist	<0.0050	0.0734	<0.010	0.123	<0.010	<0.050	50.8	29.4	<0.00020	<0.010	0.119	<0.010	<0.00050	33.9	<0.0020	<0.050	<0.0020	<0.030	0.0459
P03-04-02	10/09/2005	11:02		pp/assist	<0.0025	0.0803	<0.0050	0.156	<0.0050	<0.050	70.5	35.6	<0.00020	<0.0050	0.132	<0.0050	<0.00025	33.3	<0.0010	<0.050	<0.0010	<0.060	0.0817
P03-04-02	10/31/2005	10:33	M	pp/assist	<0.01	0.078	<0.01	0.127	<0.05	0.026	50.9	29.5		<0.03	0.12	<0.2	<0.01	34	<0.2	<0.01	<0.03	<0.03	0.0503
P03-04-03	03/05/2005	15:10		pp/assist	<0.0050	0.0667	<0.010	0.411	<0.010	<0.050	45.2	24.7	<0.00020	<0.010	0.104	<0.010	<0.00050	32.9	<0.0020	<0.050	<0.0020	0.068	0.0460
P03-04-03	10/09/2005	11:25		pp/assist	<0.0025	0.0636	<0.0050	0.371	<0.0050	<0.050	41.1	25.7	<0.00020	<0.0050	0.103	<0.0050	<0.00025	23.3	<0.0010	<0.050	<0.0010	<0.040	0.0487
P03-04-03	10/09/2005	11:29	REP	pp/assist	<0.0025	0.0632	<0.0050	0.393	<0.0050	<0.050	45.0	28.0	<0.00020	<0.0050	0.102	<0.0050	<0.00025	25.8	<0.0010	<0.050	<0.0010	<0.030	0.0528
P03-04-04	03/05/2005	15:15		pp/assist	<0.0010	0.0025	<0.0020	3.53	<0.0020	<0.050	18.3	2.84	<0.00020	0.0025	<0.010	<0.0020	<0.00010	86.9	<0.0040	<0.050	0.00228	<0.030	0.0059
P03-04-04	22/07/2005	16:00		pp/assist	<0.0010	0.0044	<0.0020	4.32	<0.0020	<0.050	21.4	4.15	<0.00020	0.0028	<0.010	<0.0020	<0.00010	87.4	<0.0040	<0.050	0.00326	<0.030	0.0054
P03-04-04	10/09/2005	10:08		pp/assist	<0.0025	0.0659	<0.0050	0.494	<0.0050	<0.050	51.1	30.5	<0.00020	<0.0050	0.107	<0.0050	<0.00025	29.4	<0.0010	<0.050	<0.0010	<0.080	0.0569
P03-04-04	10/31/2005	10:55	M	pp/assist	<0.01	<0.01	<0.01	3.57	<0.05	0.014	16.8	2.55		<0.03	<0.05	<0.2	<0.01	92	<0.2	<0.01	<0.03	<0.03	0.0078
P03-04-05	03/05/2005	15:30		pp/assist	<0.0050	0.0273	<0.010	24.7	<0.010	<0.050	45.9	29.6	<0.00020	<0.010	<0.050	<0.010	<0.00050	29.6	<0.0020	<0.050	<0.0020	0.059	0.0742
P03-04-05	10/09/2005	11:45		pp/assist	<0.0025	0.0206	<0.0050	21.7	<0.0050	<0.050	42.0	28.8	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	23.9	<0.0010	<0.050	0.0016	<0.070	0.0699
P03-04-06	03/05/2005	15:45		pp/assist	<0.050	<0.050	<0.10	3770	<0.10	<0.50	89.9	25.1	<0.00020	<0.10	<0.50	<0.10	<0.0050	44	<0.020	<0.50	<0.020	<0.30	5.08
P03-04-06	22/07/2005	17:00		pp/assist	<0.010	0.039	<0.020	1380	<0.020	<0.10	112	16.3	<0.00020	<0.020	<0.10	<0.020	<0.0010	113	<0.0040	<0.10	<0.0040	<0.060	5.11
P03-04-06	10/09/2005	11:58		pp/assist	<0.025	<0.025	<0.050	6010	<0.050	<0.50	170	48.2	<0.00020	<0.050	<0.25	<0.050	<0.0025	31	<0.010	<0.50	<0.010	<3.0	12.0
P03-04-06	10/31/2005	11:07	M	pp/assist	<0.1	<0.3	<0.5	6690	<0.5	<0.1	154	60.5		<0.3	<0.5	<2	<0.1	37	<2	<0.1	<0.5	<0.5	7.92
P03-04-07	03/05/2005	15:58		pp/assist	<0.025	0.036	<0.050	1960	<0.050	<0.50	107	14.3	<0.00020	<0.050	<0.25	<0.050	<0.0025	85	<0.010	<0.50	<0.010	<3.0	1.80
P03-04-07	10/09/2005	12:09		pp/assist	<0.025	<0.025	<0.050	5320	<0.050	<0.50	141	39.2	<0.00020	<0.050	<0.25	<0.050	<0.0025	37	<0.010	<0.50	<0.010	<2.5	5.54
P03-04-08	03/05/2005	16:06		pp/assist	<0.050	<0.050	<0.10	3830	<0.10	<0.50	53.9	21.0	<0.00020	<0.10	<0.50	<0.10	<0.0050	<20	<0.020	<0.50	<0.020	<0.30	2.76
P03-04-08	22/07/2005	17:00		pp/assist	<0.025	<0.025	<0.050	4290	<0.050	<0.25	65.5	26.0	<0.00020	<0.050	<0.25	<0.050	<0.0025	11	<0.010	<0.25	<0.010	<0.15	2.68
P03-04-08	10/09/2005	12:20		pp/assist	<0.025	<0.025	<0.050	5180	<0.050	<0.50	88.8	30.8	<0.00020	<0.050	<0.25	<0.050	<0.0025	<20	<0.010	<0.50	<0.010	<2.5	3.08
P03-04-09	03/05/2005	16:30		pp/assist	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P03-04-09	10/09/2005	12:28		pp/assist	<0.025	<0.025	<0.050	3700	0.346	<0.50	61.3	19.1	<0.00020	<0.050	<0.25	<0.050	<0.0025	<20	<0.010	<0.50	<0.010	<2.0	7.24
P03-05-01	04/05/2005	10:30		pp/assist	<0.0025	<0.0025	<0.0050	5.75	<0.0050	<0.050	46.0	0.692	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	27.8	<0.0010	<0.050	<0.0010	<0.030	0.0225
P03-05-01	10/09/2005	15:00		pp/assist	<0.0025	<0.0025	<0.0050	5.88	<0.0050	<0.050	48.2	0.712	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	28.8	<0.0010	<0.050	0.0010	<0.030	0.0062
P03-05-02	04/05/2005	10:45		pp/assist	<0.0025	0.0086	<0.0050	6.15	<0.0050	<0.050	30.7	11.0	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	11.4	<0.0010	<0.050	0.0044	0.044	0.0079
P03-05-02	10/09/2005	14:52		pp/assist	<0.0025	0.0091	<0.0050	6.52	<0.0050	<0.050	32.2	12.0	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	10.5	<0.0010	<0.050	0.0038	<0.030	0.0074
P03-05-03	04/05/2005	10:50		pp/assist	<0.0025	0.0041	<0.0050	0.896	<0.0050	<0.050	26.9	10.5	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	11.7	<0.0010	<0.050	0.0041	0.039	0.0073
P03-05-03	10/09/2005	15:18		pp/assist	<0.0025	0.0044	<0.0050	1.14	<0.0050	<0.050	24.3	9.59	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	10.0	<0.0010	<0.050	0.0043	<0.030	0.0062
P03-05-04	04/05/2005	11:00		pp/assist	<0.0025	0.0049	<0.0050	0.094	<0.0050	<0.050	26.7	11.4	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	11.8	<0.0010	<0.050	0.0051	<0.030	0.0076
P03-05-04	10/09/2005	15:25		pp/assist	<0.0025	0.0046	<0.0050	0.094	<0.0050	<0.050	27.1	10.9	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	11.3	<0.0010	<0.050	0.0047	<0.030	0.0066
P03-05-05	04/05/2005	11:15		pp/assist	<0.0025	0.0080	<0.0050	191	<0.0050	<0.050	63.2	17.3	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	46.0	<0.0010	<0.050	0.0013	0.100	0.0081
P03-05-05	04/05/2005	11:20	SP	pp/assist	<0.0025	0.0088	<0.0050	210	<0.0050	<0.050	68.1	19.0	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	47.3	<0.0010	<0.050	0.0014	0.115	<0.0050
P03-05-05	10/09/2005	15:40		pp/assist	<0.0025																		

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	General Chemistry							Anions				Nutrients		Metals							
					Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L
P03-08-03	09/09/2005	15:20		pp/assist	4.7	764	514	462	7.87	7.35	282				142			<0.020	<0.0010	<0.0020	0.146	<0.0050	<0.10	0.00027	132
P03-08-03	11/1/2005	15:17	M	pp/assist	3.7	758	588	7.89	7.18	292					136			< 0.2	< 0.2	< 0.2	0.124	< 0.005	< 0.1	< 0.1	112
P03-08-04	05/05/2005	15:01		pp/assist	6.6		1517	770	7.82	6.82	309				532			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	<0.00025	221
P03-08-04	23/07/2005	13:14		pp/assist	8.4	1570	1316	825	7.32	7.13	282				620			<0.050	0.0060	0.0067	0.025	<0.0050	<0.10	<0.00025	234
P03-08-04	09/09/2005	15:45		pp/assist	8.2	1490	1007	889	7.46	7.28	316				538			<0.050	<0.0025	0.0053	0.035	<0.0050	<0.10	<0.00025	253
P03-08-04	11/1/2005	15:30	M	pp/assist	4.5	1400	855	7.58	7.17	312					461			< 0.2	< 0.2	< 0.2	0.029	< 0.005	< 0.1	< 0.1	200
P03-08-04	11/1/2005	15:31	REP	pp/assist	4.5	1410	855	7.73	7.17	310					477			<0.2	<0.2	<0.2	0.031	<0.005	<0.1	<0.1	211
P03-08-05	05/05/2005	15:15		pp/assist	5.7		2460	1260	7.59	7.06	168				1360			<0.050	0.0057	0.0076	<0.040	<0.010	<0.20	<0.00025	410
P03-08-05	23/07/2005	12:35		pp/assist	6.5	2410	1930	1020	7.24	7.03	176				1330			<0.050	0.0055	0.0059	<0.020	<0.0050	<0.10	<0.00025	321
P03-08-05	09/09/2005	16:02	REP	pp/assist	10	2360	1414	1150	7.32	7.21	249				1220			<0.050	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	326
P03-08-05	09/09/2005	15:54		pp/assist	10	2360	1414	1240	7.35	7.21	246				1160			0.071	<0.0025	<0.0050	<0.020	<0.0050	<0.10	<0.00025	357
P03-08-05	11/1/2005	15:50	M	pp/assist		2370		7.4		247					1150			< 0.2	< 0.2	< 0.2	0.013	< 0.005	< 0.1	< 0.1	314
P03-08-06	05/05/2005	15:20		pp/assist	4.9		2420	850	7.39	7.11	44.1				1490			<0.050	0.0108	<0.0050	<0.020	<0.0050	<0.10	<0.00025	324
P03-08-06	05/05/2005	15:30	REP	pp/assist	4.9		2420	1030	-	7.11	-				-			<0.050	0.0071	<0.0050	<0.020	<0.0050	<0.10	<0.00025	390
P03-08-06	09/09/2005	16:12		pp/assist	11	2340	1497	1170	7.14	7.2	20.3				1340			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	<0.00050	445
P03-08-06	11/1/2005	15:55	M	pp/assist	4.5		815		7.16									< 0.2	< 0.2	< 0.2	< 0.01	< 0.005	< 0.1	< 0.1	398
P03-08-07	05/05/2005	15:30		pp/assist	5.7		2370	779	7.55	7.35	54.2				1410			<0.050	0.0163	<0.0050	<0.020	<0.0050	<0.10	<0.00025	291
P03-08-07	09/09/2005	16:35		pp/assist		2400		1300	7.44		56.4				1390			<0.10	<0.0050	<0.010	<0.020	<0.0050	<0.10	<0.00050	497
P03-08-08	05/05/2005	15:56		pp/assist	7.5		615	100	8.35	8.1	128				143			<0.020	<0.0010	<0.0020	0.023	<0.0050	<0.10	<0.00010	21.5
P03-08-08	10/09/2005	16:29		pp/assist	8.5	582	540	90.8	7.99	8.84	123				150			<0.020	0.0064	0.0034	0.038	<0.0050	<0.10	<0.00010	20.9
P03-09-01	04/05/2005	13:55		pp	5.2	1280	1300	698	7.92	6.64	344				385			<0.050	<0.0025	<0.0050	0.041	<0.0050	<0.10	<0.00025	185
P03-09-01	09/09/2005	12:05		pp	4.4	1210	1032	761	7.73	7.16	341				352			<0.020	<0.0010	<0.0020	0.039	<0.0050	<0.10	<0.00010	198
P03-09-02	04/05/2005	14:00		pp	3.8	1250	1297	689	7.91	6.9	333				378			<0.020	<0.0010	<0.0020	0.042	<0.0050	<0.10	<0.00010	182
P03-09-02	22/07/2005	12:45		pp	6.2	1230	1095	590	7.77	6.47	307				372			<0.020	<0.0010	<0.0020	0.035	<0.0050	<0.10	<0.00010	158
P03-09-02	09/09/2005	12:08		pp	4.4	1200	894	665	7.66	7.12	354				344			<0.020	<0.0010	<0.0020	0.038	<0.0050	<0.10	<0.00010	175
P03-09-02	11/1/2005	12:50	M	pp/assist	3.6	1200	576	7.49	6.68	344					324			< 0.2	< 0.2	< 0.2	0.036	< 0.005	< 0.1	< 0.1	158
P03-09-03	04/05/2005	14:08		pp	4.7	995	1006	571	8.01	7.17	250				309			<0.020	<0.0010	<0.0020	0.045	<0.0050	<0.10	<0.00010	171
P03-09-03	09/09/2005	12:17		pp	4.5	1140	737	685	7.76	7.27	284				375			<0.020	<0.0010	<0.0020	0.052	<0.0050	<0.10	<0.00010	208
P03-09-04	04/05/2005	14:11		pp	4.5	1010	1033	570	8.01	7.22	253				319			<0.020	<0.0010	<0.0020	0.042	<0.0050	<0.10	0.00016	172
P03-09-04	22/07/2005	12:57		pp	4.8	1100	960	532	7.86	7.01	234				370			<0.020	<0.0010	<0.0020	0.038	<0.0050	<0.10	0.00011	161
P03-09-04	09/09/2005	12:21		pp	4.4	1180	741	636	7.81	7.27	271				393			<0.020	<0.0010	<0.0020	0.042	<0.0050	<0.10	0.00030	198
P03-09-04	11/1/2005	12:55	M	pp/assist	3.3	1180	578	7.45	7.06	263					374			< 0.2	< 0.2	< 0.2	0.044	< 0.005	< 0.1	< 0.1	183
P03-09-05	04/05/2005	14:17		pp	4	989	1014	553	8.02	7.31	250				311			<0.020	<0.0010	<0.0020	0.042	<0.0050	<0.10	<0.00010	168
P03-09-05	09/09/2005	12:30		pp	4.4	1180	751	954	7.82	7.24	280				391			<0.050	<0.0025	<0.0050	0.069	<0.0050	<0.10	<0.00025	287
P03-09-06	04/05/2005	14:22		pp	4	1120	1154	612	7.99	7.2	269				372			<0.050	<0.0025	<0.0050	0.063	<0.0050	<0.10	<0.00025	184
P03-09-06	22/07/2005	13:15		pp	4.9	1110	952	544	7.86	7.09	249				362			<0.020	<0.0010	<0.0020	0.057	<0.0050	<0.10	<0.00010	160
P03-09-06	09/09/2005	12:36		pp	4.2	1160	715	704	7.84	7.15	273				368			<0.050	<0.0025	<0.0050	0.075	<0.0050	<0.10	0.00051	203
P03-09-06	11/1/2005	13:00	M	pp/assist	2.3	1200	578	7.62	7.13	274					385			< 0.2	< 0.2	< 0.2	0.06	< 0.005	< 0.1	< 0.1	174
P03-09-07	04/05/2005	14:28		pp	4	1180	1208	686	7.96	7.14	264				415			<0.050	<0.0025	<0.0050	0.066	<0.0050	<0.10	<0.00025	210
P03-09-07	22/07/2005	13:21		pp	5.6	1200	998	584	7.90	7.16	246				412			<0.020	<0.0010	<0.0020	0.057	<0.0050	<0.10	<0.00010	176
P03-09-07	09/09/2005	13:43		pp	4.7	1290	910	944	7.81	7.24	281				437			<0.050	<0.0025	<0.0050	0.084	<0.0050	<0.10	<0.00025	286
P03-09-07	11/1/2005	13:26	M	pp/assist	3.2	1290	599	7.7	7.11	263					437			< 0.2	< 0.2	< 0.2	0.062	< 0.005	< 0.1	< 0.1	200
P03-09-07	11/1/2005	13:25	REP	pp/assist	3.2	1290	599	7.7	7.11	263					437			<0.2	<0.2	<0.2	0.062	<0.005	<0.1	<0.1	200
P03-09-08	04/05/2005	14:31		pp	4.9	1180	121																		

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	Metals																		
					Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
P03-08-03	09/09/2005	15:20		pp/assist	<0.0010	<0.0010	0.0037	0.087	<0.0020	<0.050	32.5	7.44	<0.00020	0.0047	0.025	<0.0020	<0.00010	15.0	<0.00040	<0.050	0.00435	<0.030	0.0073
P03-08-03	11/1/2005	15:17	M	pp/assist	<0.01	<0.01	<0.001	0.056	<0.05	<0.01	27.4	6.17		<0.03	<0.05	<0.2	<0.01	11.5	<0.2	<0.01		<0.03	0.0072
P03-08-04	05/05/2005	15:01		pp/assist	<0.0025	<0.0025	<0.0050	19.9	<0.0050	<0.10	52.8	2.99	<0.00020	0.0133	<0.025	<0.0050	<0.00025	46.8	<0.0010	<0.10	0.0041	<0.060	0.013
P03-08-04	23/07/2005	13:14		pp/assist	<0.0025	<0.0025	<0.0050	25.3	<0.0050	<0.050	58.4	3.57	<0.00020	0.0120	<0.025	<0.0050	<0.00025	55.5	<0.0010	<0.050	0.0062	<0.030	0.0195
P03-08-04	09/09/2005	15:45		pp/assist	<0.0025	<0.0025	<0.0050	33.3	<0.0050	<0.050	62.4	3.23	<0.00020	0.0142	<0.025	<0.0050	<0.00025	52.0	<0.0010	<0.050	0.0070	<0.030	0.0143
P03-08-04	11/1/2005	15:30	M	pp/assist	<0.01	<0.01	<0.01	31.7	<0.05	0.015	46.7	2.79		<0.03	<0.05	<0.2	<0.01	41.8	<0.2	<0.01		<0.03	0.0123
P03-08-04	11/1/2005	15:31	REP	pp/assist	<0.01	<0.01	<0.01	31.3	<0.05	0.019	48.7	2.91		<0.03	<0.05	<0.2	<0.01	43.9	<0.2	<0.01		<0.03	0.0164
P03-08-05	05/05/2005	15:15		pp/assist	<0.0025	<0.0025	<0.0050	29.9	0.0052	<0.10	56.6	4.87	<0.00020	0.0065	<0.025	<0.0050	<0.00025	169	<0.0010	<0.10	0.0013	<0.060	0.015
P03-08-05	23/07/2005	12:35		pp/assist	<0.0025	<0.0025	<0.0050	26.9	<0.0050	<0.050	52.8	4.61	<0.00020	0.0058	<0.025	<0.0050	<0.00025	135	<0.0010	<0.050	0.0013	<0.030	0.0150
P03-08-05	09/09/2005	16:02	REP	pp/assist	<0.0025	<0.0025	<0.0050	57.6	0.0069	<0.050	82.2	6.44	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	132	<0.0010	<0.050	0.0020	0.053	0.0119
P03-08-05	09/09/2005	15:54		pp/assist	0.0028	<0.0025	<0.0050	60.4	0.0104	<0.050	84.2	7.07	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	158	<0.0010	<0.050	0.0017	<0.050	0.0224
P03-08-05	11/1/2005	15:50	M	pp/assist	<0.01	<0.01	<0.01	51.1	<0.05	0.03	81.6	6.87		<0.03	<0.05	<0.2	<0.01	130	<0.2	<0.01		<0.03	0.0149
P03-08-06	05/05/2005	15:20		pp/assist	<0.0025	0.0035	<0.0050	0.346	0.0227	<0.050	10.1	0.597	<0.00020	0.0067	<0.025	<0.0050	<0.00025	91.5	<0.0010	<0.050	<0.0010	<0.030	0.0244
P03-08-06	05/05/2005	15:30	REP	pp/assist	<0.0025	0.0032	<0.0050	0.513	0.0098	<0.050	13.5	0.709	<0.00020	0.0070	<0.025	<0.0050	<0.00025	125	<0.0010	<0.050	<0.0010	<0.030	0.0236
P03-08-06	09/09/2005	16:12		pp/assist	<0.0050	<0.0050	<0.010	2.16	<0.010	0.054	13.4	0.679	<0.00020	<0.010	<0.050	<0.010	<0.00050	146	<0.0020	<0.050	<0.0020	<0.030	0.0089
P03-08-06	11/1/2005	15:55	M	pp/assist	<0.01	<0.01	<0.01	2.27	<0.05	0.072	11.9	0.573		<0.03	<0.05	<0.2	<0.01	156	<0.2	<0.01		<0.03	0.0056
P03-08-07	05/05/2005	15:30		pp/assist	<0.0025	0.0050	<0.0050	<0.030	0.0103	<0.050	12.5	0.677	<0.00020	0.0444	<0.025	<0.0050	<0.00025	138	<0.0010	<0.050	<0.0010	<0.030	0.0094
P03-08-07	09/09/2005	16:35		pp/assist	<0.0050	<0.0050	<0.010	1.28	<0.010	<0.050	14.0	1.08	<0.00020	0.042	<0.050	<0.010	<0.00050	165	<0.0020	<0.050	<0.0020	<0.030	0.0104
P03-08-08	05/05/2005	15:56		pp/assist	<0.0010	0.0020	<0.0020	0.046	0.0036	<0.050	11.3	0.036	<0.00020	0.0429	<0.010	<0.0020	<0.00010	103	<0.00040	<0.050	<0.00040	<0.030	0.0084
P03-08-08	10/09/2005	16:29		pp/assist	<0.0010	0.0019	<0.0020	0.045	0.0074	<0.050	9.39	0.048	<0.00020	0.0425	<0.010	<0.0020	<0.00010	89.2	<0.00040	<0.050	<0.00040	<0.030	0.0395
P03-09-01	04/05/2005	13:55		pp	<0.0025	<0.0025	<0.0050	7.17	<0.0050	<0.050	57.2	0.419	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	48.7	<0.0010	<0.050	0.0015	<0.030	<0.0050
P03-09-01	09/09/2005	12:05		pp	<0.0010	<0.0010	<0.0020	0.401	<0.0020	0.054	64.8	0.428	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	60.4	<0.00040	<0.050	0.00150	<0.030	<0.0050
P03-09-02	04/05/2005	14:00		pp	<0.0010	<0.0010	<0.0020	7.20	<0.0020	<0.050	57.1	0.417	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	48.0	<0.00040	<0.050	0.00153	<0.030	0.0055
P03-09-02	22/07/2005	12:45		pp	<0.0010	<0.0010	<0.0020	5.92	<0.0020	<0.050	47.7	0.359	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	42.9	<0.00040	<0.050	0.00147	<0.030	<0.0050
P03-09-02	09/09/2005	12:08		pp	<0.0010	<0.0010	<0.0020	6.40	<0.0020	0.053	55.7	0.375	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	48.5	<0.00040	<0.050	0.00146	<0.030	0.0054
P03-09-02	11/1/2005	12:50	M	pp/assist	<0.01	<0.01	<0.01	6.09	<0.05	0.043	48.7	0.346		<0.03	<0.05	<0.2	<0.01	43	<0.2	<0.01		<0.03	<0.005
P03-09-03	04/05/2005	14:08		pp	<0.0010	0.0049	<0.0020	0.090	<0.0020	<0.050	34.6	6.61	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	31.2	<0.00040	<0.050	0.00601	<0.030	0.0058
P03-09-03	09/09/2005	12:17		pp	<0.0010	0.0051	0.0025	0.085	<0.0020	<0.050	40.4	7.48	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	34.7	<0.00040	<0.050	0.00665	<0.030	0.0071
P03-09-04	04/05/2005	14:11		pp	<0.0010	0.0034	<0.0020	0.034	<0.0020	<0.050	34.3	6.14	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	30.3	<0.00040	<0.050	0.00583	<0.030	0.0071
P03-09-04	22/07/2005	12:57		pp	<0.0010	0.0030	<0.0020	<0.030	<0.0020	<0.050	31.4	5.26	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	27.1	<0.00040	<0.050	0.00602	<0.030	<0.0050
P03-09-04	09/09/2005	12:21		pp	<0.0010	0.0033	<0.0020	0.052	<0.0020	<0.050	34.3	6.04	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	30.1	<0.00040	<0.050	0.00650	<0.030	0.0065
P03-09-04	11/1/2005	12:55	M	pp/assist	<0.01	<0.01	<0.01	0.092	<0.05	0.02	35	5.87		<0.03	<0.05	<0.2	<0.01	30.3	<0.2	<0.01		<0.03	<0.005
P03-09-05	04/05/2005	14:17		pp	<0.0010	0.0044	<0.0020	0.037	<0.0020	<0.050	32.7	6.17	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	27.7	<0.00040	<0.050	0.00610	<0.030	0.0060
P03-09-05	09/09/2005	12:30		pp	<0.0025	0.0044	<0.0050	0.060	<0.0050	<0.050	57.7	10.2	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	49.8	<0.0010	<0.050	0.0066	<0.030	0.0098
P03-09-06	04/05/2005	14:22		pp	<0.0025	<0.0025	<0.0050	0.100	<0.0050	<0.050	37.1	5.92	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	33.6	<0.0010	<0.050	0.0050	<0.030	<0.0050
P03-09-06	22/07/2005	13:15		pp	<0.0010	0.0010	<0.0020	<0.030	<0.0020	<0.050	35.2	4.90	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	31.7	<0.00040	<0.050	0.00442	<0.030	<0.0050
P03-09-06	09/09/2005	12:36		pp	<0.0025	<0.0025	<0.0050	0.034	<0.0050	<0.050	47.5	6.00	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	44.5	<0.0010	<0.050	0.0047	<0.030	<0.0050
P03-09-06	11/1/2005	13:00	M	pp/assist	<0.01	<0.01	<0.01	0.062	<0.05	0.025													

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	General Chemistry							Anions				Nutrients			Metals						
					Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO3) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO3 mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L
P96-9A	03/05/2005	15:37	REP	suction	1.7	2210	1219	1480	7.85	6.5	412				994			<0.050	<0.0025	<0.0050	0.063	<0.0050	<0.10	0.00077	297
P96-9A	03/05/2005	15:37		suction	1.7	2210	1219	1480	7.89	6.5	421				987			<0.050	<0.0025	<0.0050	0.061	<0.0050	<0.10	0.00076	300
P96-9A	08/09/2005	17:00		suction		3070	2896	1810	7.41			469				1600			<0.050	<0.0025	<0.0050	0.055	<0.0050	<0.10	0.00101
S1A	05/05/2005	11:50		suction	3.6		5580	4440	6.90	5.6	205				4550			<0.50	<0.025	<0.050	<0.040	<0.010	<0.20	0.0111	609
S1A	12/09/2005	14:05		suction	5.2	5600	1665	4430	6.78	6.33	196				4070			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	0.0104	599
S1B	05/05/2005	12:20		suction	4.1		955	447	7.22	6.94	25.7				403			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	<0.00025	123
S1B	12/09/2005	14:15		suction	5.1	1430	1119	856	7.13	6.95	68.6				703			<0.050	<0.0025	<0.0050	<0.040	<0.010	<0.20	0.00037	238
S2A	05/05/2005	14:00		suction	4.8		4107	3760	6.98	5.92	213				1860			<0.50	<0.025	<0.050	<0.040	<0.010	<0.20	0.0149	502
S2A	12/09/2005	13:20		suction	4.4	5440	1412	4100	6.84	6.05	191				3910			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	0.0188	498
S2B	05/05/2005	14:30		suction	2.8		2384	1880	6.37	6.33	55.0				1760			<0.10	<0.0050	<0.010	<0.040	<0.010	<0.20	0.00079	501
S2B	12/09/2005	13:40		suction	4	3660	1155	2090	6.78	6.45	124				2510			<0.10	<0.0050	<0.010	<0.060	<0.015	<0.30	<0.00050	569
S3	05/05/2005	14:30		suction	2		5420	4700	6.72	5.92	173				4610			<0.50	<0.025	<0.050	<0.040	<0.010	<0.20	<0.0025	589
S3	12/09/2005	14:10		suction	6.5	5850	1611	4340	6.65	5.98	171				4360			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	<0.0025	500
SRK04-3A	05/05/2005	10:48	REP	suction	6.5		6140	3970	5.87	5.61	91.0				5480			<1.0	<0.050	<0.10	<0.040	<0.010	<0.20	0.0066	454
SRK04-3A	05/05/2005	10:48		suction	6.5		6140	3940	5.95	5.61	96.7				5410			0.50	<0.025	<0.050	<0.040	<0.010	<0.20	0.0072	448
SRK04-3B	05/05/2005	11:00		suction	4.6		12880	3890	3.72	4.93	61.7				16700			4.3	<0.050	<0.10	<0.040	<0.10	<2.0	<0.0050	459
SRK04-4	05/05/2005	10:45		suction	3.9		7460	3810	5.23	5.37	63.6				7080			1.4	<0.050	<0.10	<0.040	<0.010	<0.20	0.0151	457
SRK04-ARTA	08/09/2005	16:20		manual	4.42	449	419	172	7.96	7.75	154				89.8			<0.010	<0.00050	0.0121	0.032	<0.0050	<0.10	<0.000050	47.5
SRK04-ARTB	08/09/2005	16:16			4.54	435	421	172	8.08	7.87	153				85.3			<0.010	<0.00050	0.0169	0.049	<0.0050	<0.10	<0.000050	47.6
SRK05-SP1A	12/09/2005	15:45			2.8	1130	746	625	6.43	5.65	251				383			0.093	<0.0010	0.0048	<0.040	<0.010	<0.20	<0.00010	153
SRK05-SP1A	12/09/2005	15:50	SP		2.8	1140	746	617	6.49	5.65	251				367			0.091	<0.0010	0.0049	<0.040	<0.010	<0.20	<0.00010	152
SRK05-SP1B	12/09/2005	15:25			4.1	1170	782	693	6.90	6.28	337				309			<0.020	<0.0010	0.0097	0.043	<0.010	<0.20	0.00020	174
SRK05-SP2	12/09/2005	14:55			2.7	359	345	187	6.97	6.66	132				45.4			0.020	<0.00050	<0.0010	0.056	<0.010	<0.20	0.000123	50.1
SRK05-SP3A	12/09/2005	11:37	REP		4	947	590	512	6.60	6.04	282				245			0.058	<0.0010	<0.0020	0.040	<0.0050	<0.10	<0.00010	123
SRK05-SP3A	12/09/2005	11:38			4	950	590	535	6.62	6.04	287				235			0.066	<0.0010	<0.0020	0.042	<0.0050	<0.10	<0.00010	128
SRK05-SP3B	12/09/2005	11:00			3.7	948	616	537	6.68	5.93	269				261			0.031	<0.0010	<0.0020	0.028	<0.0050	<0.10	<0.00010	132
SRK05-SP4A	12/09/2005	12:30			3	750	513	403	6.64	5.98	237				158			0.051	<0.0010	0.0047	<0.040	<0.010	<0.20	<0.00010	96.2
SRK05-SP4B	12/09/2005	12:10			4.8	6190	1505	4740	6.71	5.96	195				4680			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	0.0486	553
SRK05-SP5	12/09/2005	13:38			4	5720	1240	4270	6.88	6.18	226				4170			<0.50	<0.025	<0.050	<0.10	<0.025	<0.50	0.0141	559
TH86-17	22/07/2005	10:58		suction	7.9	171	183.3	91.2	7.87	5.81	74.4				16.6			<0.010	<0.00050	<0.0010	0.054	<0.0050	<0.10	<0.000050	26.6
TH86-17	10/09/2005	15:45		suction	7.6	2060	186	105	7.74	7.9	88.1				15.8			<0.010	<0.00050	<0.0010	0.063	<0.0050	<0.10	<0.000050	30.6
V34	03/05/2005	09:41		manual	3.9	796	820	528	8.31	6.72	436				42.5			<0.010	<0.00050	0.0014	0.116	<0.0050	<0.10	<0.000050	74.9
V34	08/09/2005	11:45		suction	5.16	843	806	476	8.23	7.12	421				48.1			<0.010	<0.00050	<0.0010	0.096	<0.0050	<0.10	<0.000050	71.2
V35	03/05/2005	10:08		suction	3.9	1410	2032	1040	8.15	6.47	383				495			<0.050	<0.0025	<0.0050	0.023	<0.0050	<0.10	<0.00025	227
V35	08/09/2005	11:34		suction	4.48	1510	1523	966	7.92	6.49	377				496			<0.020	<0.0010	<0.0020	<0.020	<0.0050	<0.10	<0.00010	214
V36	03/05/2005	14:05		suction	5.1	1580	1688	1140	8.13	6.32	440				509			0.103	<0.0025	0.0818	0.024	<0.0050	<0.10	<0.00025	225
V36	08/09/2005	15:20		suction	3.93	1630	1542	970	7.91	7.11	407				553			<0.020	<0.0010	0.0089	<0.020	<0.0050	<0.10	0.00028	202
V37	03/05/2005	15:00		suction	3.9	829	919	495	8.40	6.28	420				77.9			0.065	<0.00050	0.0022	0.180	<0.0050	<0.10	<0.000050	66.3
V37	08/09/2005	15:51		suction	4.49	850	776	389	8.29	7.7	428				74.6			<0.010	<0.00050	0.0012	0.138	<0.0050	<0.10	<0.000050	49.6
V37	08/09/2005	15:51	REP	suction	4.49	844	776	413	8.28	7.7	427				76.1			<0.010	<0.00050	0.0012	0.148	<0.0050	<0.10	<0.000050	52.6
X16A	04/05/2005	13:26			4	315	337	181	8.19	7.47	155				24.8			<0.010	<0.00050	<0.0010	0.091	<0.0050	<0.10	<0.000050	50.8
X16A	09/09/2005	12:50			suction		338	330	183	7.18		172				24.1			<0.010	<0.00050	<0.0010	0.097	<0.0050	<0.10	0.000072
X16B	04/05/2005	13:26	REP	suction	4.8	391	410	236	8.29	7.35	210				27.5			<0.010	<0.00050	<0.0010	0.144	<0.0050	<0.10	<0.000050	64.7
X16B	04/05/2005	13:26			4.8	389	410	238	8.32	7.35	202				27.0			<0.010	<0.00050	<0.0010	0.				

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	Metals																		
					Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
P96-9A	03/05/2005	15:37	REP	suction	<0.0025	0.0036	<0.0050	0.071	<0.0050	<0.050	180	0.885	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	12.2	<0.0010	<0.050	0.0232	<0.030	0.0192
P96-9A	03/05/2005	15:37		suction	<0.0025	0.0036	<0.0050	0.096	<0.0050	<0.050	177	0.880	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	12.0	<0.0010	<0.050	0.0226	0.043	0.0242
P96-9A	08/09/2005	17:00		suction	<0.0025	<0.0025	<0.0050	<0.030	<0.0050	<0.050	228	0.077	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	9.8	<0.0010	<0.050	0.0316	<0.050	0.0160
S1A	05/05/2005	11:50		suction	<0.025	<0.025	<0.050	<0.060	<0.050	0.13	710	45.2	<0.00020	<0.050	1.17	<0.050	<0.0025	39.8	<0.010	<0.10	<0.010	0.067	113
S1A	12/09/2005	14:05		suction	<0.025	<0.025	<0.050	<0.15	<0.050	<0.25	712	51.0	<0.00020	<0.050	1.08	<0.050	<0.0025	36	<0.010	<0.25	<0.010	<0.15	118
S1B	05/05/2005	12:20		suction	<0.0025	<0.0025	<0.0050	0.093	<0.0050	<0.10	33.8	0.035	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	25.1	<0.0010	<0.10	<0.0010	<0.060	0.067
S1B	12/09/2005	14:15		suction	<0.0025	<0.0025	<0.0050	0.116	<0.0050	<0.10	63.4	0.051	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	41.5	<0.0010	<0.10	<0.0010	<0.060	0.051
S2A	05/05/2005	14:00		suction	<0.025	<0.025	<0.050	1.16	<0.050	0.12	609	50.8	<0.00020	<0.050	1.17	<0.050	<0.0025	30.5	<0.010	<0.10	<0.010	<0.060	127
S2A	12/09/2005	13:20		suction	<0.025	<0.025	<0.050	1.19	<0.050	<0.25	694	67.5	<0.00020	<0.050	1.61	<0.050	<0.0025	34	<0.010	<0.25	<0.010	<0.15	178
S2B	05/05/2005	14:30		suction	<0.0050	0.0053	<0.010	99.0	<0.010	<0.10	152	11.6	<0.00020	<0.010	0.073	<0.010	<0.00050	13.9	<0.0020	<0.10	<0.0020	0.079	8.65
S2B	12/09/2005	13:40		suction	<0.0050	0.0058	<0.010	71.0	<0.010	<0.15	162	8.55	<0.00020	<0.010	<0.050	<0.010	<0.00050	9.9	<0.0020	<0.15	<0.0020	<0.090	1.19
S3	05/05/2005	14:30		suction	<0.025	0.040	<0.050	5.59	<0.050	0.14	784	72.5	<0.00020	<0.050	1.05	<0.050	<0.0025	26.2	<0.010	<0.10	<0.010	0.106	158
S3	12/09/2005	14:10		suction	<0.025	0.035	<0.050	4.69	<0.050	<0.25	750	70.3	<0.00020	<0.050	1.00	<0.050	<0.0025	33	<0.010	<0.25	<0.010	<0.15	165
SRK04-3A	05/05/2005	10:48		suction	<0.050	0.349	<0.10	693	<0.10	<0.10	690	49.7	<0.00020	<0.10	0.60	<0.10	<0.0050	58.8	<0.020	<0.10	<0.020	0.507	233
SRK04-3A	05/05/2005	10:48	REP	suction	<0.025	0.337	<0.050	677	<0.050	<0.10	686	48.9	<0.00020	<0.050	0.60	<0.050	<0.0025	57.3	<0.010	<0.10	<0.010	0.467	230
SRK04-3B	05/05/2005	11:00		suction	<0.050	0.225	<0.10	6610	0.16	<0.10	666	72.9	<0.00020	<0.10	<0.50	<0.10	<0.0050	66	<0.020	<0.10	<0.020	3.81	749
SRK04-4	05/05/2005	10:45		suction	<0.050	0.500	<0.10	1630	<0.10	<0.10	649	56.0	<0.00020	<0.10	0.72	<0.10	<0.0050	60.5	<0.020	<0.10	<0.020	1.07	350
SRK04-ARTA	08/09/2005	16:20		manual	<0.00050	<0.00050	<0.0010	0.701	<0.0010	<0.050	13.0	0.080	<0.00020	0.0179	<0.0050	<0.0010	<0.000050	13.2	<0.00020	<0.050	0.00114	<0.030	0.0105
SRK04-ARTB	08/09/2005	16:16		manual	<0.00050	<0.00050	<0.0010	0.479	<0.0010	<0.050	12.9	0.080	<0.00020	0.0204	<0.0050	<0.0010	<0.000050	15.8	<0.00020	<0.050	0.00201	<0.030	0.0066
SRK05-SP1A	12/09/2005	15:45	SP	<0.0010	0.0057	<0.0020	46.4	<0.0020	<0.10	58.6	1.74	<0.00020	<0.0020	0.018	<0.0020	<0.00010	15.0	<0.00040	<0.10	<0.00040	<0.060	1.63	
SRK05-SP1A	12/09/2005	15:50		<0.0010	0.0056	<0.0020	45.7	<0.0020	<0.10	57.8	1.71	<0.00020	<0.0020	0.017	<0.0020	<0.00010	14.8	<0.00040	<0.10	<0.00040	<0.060	1.62	
SRK05-SP1B	12/09/2005	15:25		<0.0010	0.0046	<0.0020	7.18	<0.0020	<0.10	63.0	1.05	<0.00020	<0.0020	0.012	<0.0020	<0.00010	8.7	<0.00040	<0.10	0.00149	<0.060	0.144	
SRK05-SP2	12/09/2005	14:55		0.00057	0.00219	0.0011	0.517	<0.0010	<0.10	14.9	1.17	<0.00020	<0.0010	0.0083	<0.0010	<0.000050	4.8	<0.00020	<0.10	0.00073	<0.060	0.161	
SRK05-SP3A	12/09/2005	11:37	REP	<0.0010	0.0052	<0.0020	24.7	<0.0020	0.066	50.0	1.00	<0.00020	<0.0020	0.014	<0.0020	<0.00010	13.5	<0.00040	<0.050	0.00154	<0.030	1.04	
SRK05-SP3A	12/09/2005	11:38		<0.0010	0.0050	<0.0020	25.5	<0.0020	0.061	52.5	1.05	<0.00020	<0.0020	0.013	<0.0020	<0.00010	14.2	<0.00040	<0.050	0.00156	<0.030	1.08	
SRK05-SP3B	12/09/2005	11:00		<0.0010	0.0033	<0.0020	8.28	<0.0020	0.053	50.5	0.649	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	10.4	<0.00040	<0.050	0.00168	<0.030	0.628	
SRK05-SP4A	12/09/2005	12:30		<0.0010	0.0084	<0.0020	22.6	<0.0020	<0.10	39.6	1.23	<0.00020	<0.0020	0.019	<0.0020	<0.00010	8.0	<0.00040	<0.10	<0.00040	<0.060	1.10	
SRK05-SP4B	12/09/2005	12:10		<0.025	<0.025	<0.050	1.07	<0.050	<0.25	817	101	<0.00020	<0.050	1.82	<0.050	<0.0025	23	<0.010	<0.25	<0.010	0.19	277	
SRK05-SP5	12/09/2005	13:38		<0.025	<0.025	<0.050	0.21	<0.050	<0.25	699	58.7	<0.00020	<0.050	1.36	<0.050	<0.0025	39	<0.010	<0.25	0.012	<0.15	153	
TH86-17	22/07/2005	10:58		suction	<0.00050	<0.00050	0.0010	0.070	<0.0010	<0.050	6.05	<0.010	<0.00020	<0.0010	<0.0050	<0.0010	<0.000050	2.0	<0.00020	<0.050	0.00050	<0.030	0.0136
TH86-17	10/09/2005	15:45		suction	<0.00050	<0.00050	<0.0010	0.477	<0.0010	<0.050	7.02	<0.010	<0.00020	0.0013	<0.0050	<0.0010	<0.000050	<2.0	<0.00020	<0.050	0.00075	<0.030	0.0135
V34	03/05/2005	09:41		manual	<0.00050	<0.00050	<0.0010	0.551	<0.0010	<0.050	82.7	0.104	<0.00020	0.0051	<0.0050	<0.0010	<0.000050	5.7	<0.00020	<0.050	0.00568	<0.030	0.0086
V34	08/09/2005	11:45		suction	<0.00050	<0.00050	<0.0010	0.081	<0.0010	<0.050	72.4	0.079	<0.00020	0.0034	<0.0050	<0.0010	<0.000050	4.5	<0.00020	<0.050	0.00551	<0.030	0.0084
V35	03/05/2005	10:08		suction	<0.0025	<0.0025	<0.0050	0.046	<0.0050	<0.050	115	<0.010	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	6.6	<0.0010	<0.050	0.0424	<0.030	0.0104
V35	08/09/2005	11:34		suction	0.0014	<0.0010	<0.0020	<0.030	<0.0020	<0.050	105	0.012	<0.00020	<0.0020	<0.010	0.0024	<0.00010	5.2	<0.00040	<0.050	0.0367	<0.030	0.0141
V36	03/05/2005	14:05		suction	<0.0025	<0.0025	<0.0050	0.820	0.0081	<0.050	141	0.197	<0.00020	<0.0050	<0.025	<0.0050	<0.00025	8.4	<0.0010	<0.050	0.0313	<0.030	0.0168
V36	08/09/2005	15:20		suction	<0.0010	0.0017	<0.0020	<0.030	<0.0020	<0.050	113	0.120	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	5.6	<0.00040	<0.050	0.0248	<0.030	0.0243
V37	03/05/2005	15:00		suction	<0.00050	<0.00050	<0.010	1.15	<0.0010	<0.050	79.9	0.101	<0.00020	0.0234	<0.0050	<0.0010	<0.000050	24.4	<0.00020	<0.050	0.00043	<0.030	0.0066
V37	08/09/2005	15:51		suction	<0.00050	<0.000500																	

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	General Chemistry							Anions				Nutrients		Metals							
					Temp. (Field) °C	Sp. Cond. (Lab) uS/cm	Sp. Cond. (Field) uS/cm	Hardness (CaCO ₃) mg/L	pH (Lab) pH unit	pH (Field) pH unit	Alkalinity (Total) as CaCO ₃ mg/L	Bromide Br mg/L	Chloride mg/L	Fluoride mg/L	Sulphate mg/L	Nitrate Nitrogen mg/L	Nitrite Nitrogen mg/L	Aluminum mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L
X24C-96	10/31/2005	11:41	M	pp/assist	1.5	2210	403	7.27	6.53	325					981			< 0.2	< 0.2	< 0.2	0.015	< 0.005	< 0.1	< 0.01	382
X24D-96	04/05/2005	15:11		suction	4	2500	2709	1760	7.71	6.9	354				1450			<0.10	<0.0050	<0.010	0.025	<0.0050	<0.10	0.00257	522
X24D-96	21/07/2005	19:40		suction	7	2700	1883	1540	7.45	6.7	318				1490			<0.050	<0.0025	<0.0050	0.023	<0.0050	<0.10	0.00194	450
X24D-96	09/09/2005	15:41		suction	4.93	2670	2700	1890	7.14	6.68	358				1390			<0.10	<0.0050	<0.010	0.021	<0.0050	<0.10	0.00240	566
X24D-96	10/31/2005	11:39	M	pp/assist	2.2	2710	802	7.28	6.53	366					1340			< 0.2	< 0.2	< 0.2	0.021	< 0.005	< 0.1	< 0.01	488
X25A-96	21/07/2005	18:22		manual	5	950	730	508	7.88	7.1	229				292			<0.020	<0.0010	<0.0020	0.044	<0.0050	<0.10	0.00035	144
X25A-96	21/07/2005	18:22	REP	manual	5	950	730	489	7.90	7.1	234				291			<0.020	<0.0010	<0.0020	0.042	<0.0050	<0.10	0.00035	140
X25A-96	09/09/2005	16:30		suction	4.26	970	962	503	7.67	7.15	250				295			<0.020	<0.0010	<0.0020	0.040	<0.0050	<0.10	0.00043	146
X25A-96	10/31/2005	9:52	M	pp/assist	2.5	943	722	7.73	6.6	248					288			< 0.2	< 0.2	< 0.2	0.036	< 0.005	< 0.1	< 0.01	140
X25A-96	10/31/2005	13:26	REP	pp/assist	1.5	942	303	7.74	6.6	253					287			<0.2	<0.2	<0.2	0.036	<0.005	<0.1	<0.01	138
X25B-96	21/07/2005	18:05		suction	5.8	1110	966	547	8.02	7.44	247				347			<0.020	<0.0010	<0.0020	0.027	<0.0050	<0.10	<0.00010	170
X25B-96	09/09/2005	16:45		suction	4	1100	1107	542	8.01	7.24	267				335			<0.020	<0.0010	<0.0020	0.025	<0.0050	<0.10	<0.00010	170
X25B-96	10/31/2005	13:28	M	pp/assist	1.9	1110	317	7.92	7.33	272					331			< 0.2	< 0.2	< 0.2	0.025	< 0.005	< 0.1	< 0.01	170

Notes:

^(a) Denotes Quality Control Samples and Depth Discrete Samples: REP - replicate sample; SP - split sample; DD - depth discrete sample.

Table 9. Summary of 2005 Water Quality Data, Faro Mine, Yukon

Well ID	Sample Date	Sample Time	Sample Class ^(a)	Collection Method	Metals																		
					Chromium mg/L	Cobalt mg/L	Copper mg/L	Iron mg/L	Lead mg/L	Lithium mg/L	Magnesium mg/L	Manganese mg/L	Mercury mg/L	Molybdenum mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Sodium mg/L	Thallium mg/L	Titanium mg/L	Uranium mg/L	Vanadium mg/L	Zinc mg/L
X24C-96	10/31/2005	11:41	M	pp/assist	< 0.01	0.047	< 0.01	0.137	< 0.05	0.03	87	34.9		< 0.03	0.096	< 0.2	< 0.01	32.6	< 0.2	< 0.01		< 0.03	0.0147
X24D-96	04/05/2005	15:11		suction	<0.0050	0.0325	<0.010	0.034	<0.010	<0.050	110	35.7	<0.00020	<0.010	0.157	<0.010	<0.00050	50.6	<0.0020	<0.050	0.0050	0.071	0.0517
X24D-96	21/07/2005	19:40		suction	<0.0025	0.0282	<0.0050	<0.030	<0.0050	<0.050	102	37.9	<0.00020	<0.0050	0.136	<0.0050	<0.00025	47.7	<0.0010	<0.050	0.0046	0.031	0.0488
X24D-96	09/09/2005	15:41		suction	<0.0050	0.0331	<0.010	<0.030	<0.010	0.053	116	37.7	<0.00020	<0.010	0.153	<0.010	<0.00050	51.0	<0.0020	<0.050	0.0047	<0.030	0.0569
X24D-96	10/31/2005	11:39	M	pp/assist	< 0.01	0.031	< 0.01	< 0.03	< 0.05	0.048	105	40.2		< 0.03	0.133	< 0.2	< 0.01	45	< 0.2	< 0.01		< 0.03	0.0482
X25A-96	21/07/2005	18:22		manual	<0.0010	0.0076	0.0024	<0.030	<0.0020	<0.050	35.7	5.44	<0.00020	<0.0020	0.011	<0.0020	<0.00010	30.0	<0.00040	<0.050	0.00877	<0.030	0.0067
X25A-96	21/07/2005	18:22	REP	manual	<0.0010	0.0077	0.0022	<0.030	<0.0020	<0.050	34.2	5.21	<0.00020	<0.0020	0.012	<0.0020	<0.00010	28.8	<0.00040	<0.050	0.00894	<0.030	0.0052
X25A-96	09/09/2005	16:30		suction	<0.0010	0.0084	0.0027	0.038	<0.0020	<0.050	33.4	5.58	<0.00020	<0.0020	0.012	<0.0020	<0.00010	27.2	<0.00040	<0.050	0.00866	<0.030	0.0057
X25A-96	10/31/2005	9:52	M	pp/assist	< 0.01	< 0.01	< 0.01	< 0.03	< 0.05	< 0.01	31.6	4.33		< 0.03	< 0.05	< 0.2	< 0.01	25.2	< 0.2	< 0.01		< 0.03	0.016
X25A-96	10/31/2005	13:26	REP	pp/assist	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	31.4	4.35		<0.03	<0.05	<0.2	<0.01	25	<0.2	<0.01		<0.03	0.015
X25B-96	21/07/2005	18:05		suction	<0.0010	<0.0010	<0.0020	0.672	<0.0020	<0.050	29.8	0.182	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	53.5	<0.00040	<0.050	0.00508	<0.030	<0.0050
X25B-96	09/09/2005	16:45		suction	<0.0010	<0.0010	<0.0020	0.620	<0.0020	<0.050	28.6	0.160	<0.00020	<0.0020	<0.010	<0.0020	<0.00010	50.5	<0.00040	<0.050	0.00522	<0.030	<0.0050
X25B-96	10/31/2005	13:28	M	pp/assist	< 0.01	< 0.01	< 0.01	0.585	< 0.05	0.016	28.5	0.157		< 0.03	< 0.05	< 0.2	< 0.01	47.7	< 0.2	< 0.01		< 0.03	< 0.005

Notes:^(a) Denotes Quality Control Samples and Depth Discrete Samples: REP - 1

Appendices

Anvil Range Mine, 2005 Groundwater Monitoring Report

Appendix A. Original Laboratory Reports

Appendix B. Quality Assurance (QA/QC) of Samples 2005

Appendix C. Water Level Profiles from Multi-Level Wells (2003-2005)

Appendix A

Original Laboratory Reports

Environment Canada Reports

PESC #200500564_1 - June 22, 2005

PESC #200500223_1–Feb 15, 2005

PESC #200500634_1 - July 14, 2005

ALS Environmental Laboratories

ALS V7959 – May 24, 2005

ALS V7867 – May 26, 2005

ALS V7902 – May 26, 2005

ALS V8129 – May 26, 2005

ALS V8143 – May 26, 2005

ALS W2122 – August 12, 2005

ALS W2123 – August 26, 2005

ALS W4421 – September 26, 2005

ALS W4413 – September 27, 2005

ALS W4412 – September 27, 2005

ALS W4420 – September 27, 2005

ALS W4400 – September 28, 2005

ALS W4419r – October 14, 2006

ALS W4422 – September 28, 2005

ALS W4427 – September 28, 2005

ALS – W7054 – Nov 16, 2005

Appendix B

Quality Assurance (QA/QC of Samples)

Appendix C

Water Level Profiles from Multi-Level Wells