Deloitte & Touche

Faro Mine Complex 2008 Waste Rock and Seepage Monitoring Report

2008/09 Task 13 - FINAL

Prepared for:

DELOITTE & TOUCHE INC.

On behalf of
Faro Project Management Team

Prepared by:

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Project Reference Number:
SRK 1CD003.113

February 2009

Faro Mine Complex
2008 Waste Rock and Seepage Monitoring Report

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Report prepared for

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SRK Project Number 1CD003.113

February 2009

Executive Summary

Title: Faro Mine Complex: 2008 Waste Rock and Seepage Monitoring Report – 2008/09 Task 13- FINAL

Consultant: SRK Consulting (Canada) Inc.

Status: Final

Date: February 2009

Size: 31 Pages of text (including cover, introductory and reference list); 20 Pages of Figures (including one flysheet), 3 Appendices containing 21 pages (including 17 non-standard 11 x 17 pages and 4 flysheets).

Digital File: PDF format; 9.50 MB

Objectives and Primary Findings:

This report summarizes the waste rock and seepage monitoring results from the 2008 monitoring program and compares the current year's results with results from previous monitoring.

Water quality at toe seepage and select routine monitoring stations indicates that water quality in drainage from the Faro and Vangorda waste rock dumps appears generally to have stabilized year-over-year, with considerable seasonal variation evident at several monitoring stations.

Grum Dump toe seepage water quality also appears to be reasonably stable, although sulphate concentrations at several stations have shown gradual increase over the 2002 through 2008 period. Dissolved zinc concentrations at most stations have been typically within stable ranges of up to 7 mg/L over the past several years, although isolated ephemeral samples have returned dissolved zinc concentrations up to 139 mg/L. The partial diversion of water from station V15 to station V2A via the Grum Creek diversion appears to have been successful in controlling the amount of zinc reporting to station V2; however, concentrations at Station V2A in Grum Creek have begun to increase in corresponding fashion. In 2006 through early 2008, dissolved zinc concentrations at V2A have typically been below 0.2 mg/L, but since June 2008, zinc concentrations have increased dramatically to between 1 and 2 mg/L.

Future Work Recommendations:

It is recommended that waste rock and seepage monitoring be continued at the same level as carried out since 2005.

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1 Introduction

Waste rock and pit seepage surveys, and monitoring of waste rock thermal conditions and pore gas oxygen concentrations were continued in 2008. In addition, routine monitoring of selected waste rock and pit seepage stations was carried out by site environmental staff as a requirement of the water licence. This report presents the results of the 2008 seep surveys, a review of the 2008 and historical routine seepage monitoring data, and the results of the 2008 thermal and oxygen monitoring.

This report has been prepared as part of the ongoing technical investigations in support of closure planning for the Anvil Range Mining Complex.

2 Methods

2.1 Waste Rock Seepage Surveys

Sample locations were established in June 2002 by walking the toes of all waste rock dumps where the rock rests on original ground, and looking for any flowing seeps that emerged from these areas. Additional seeps were located by slowly driving along accessible roads and ramps in the Faro Pit complex that were below waste rock dumps or ore stockpiles. Most of the seeps were flowing, or were inferred to have been recently flowing based on observations of moisture along flow paths, or based on ponded water surfaces that were at the elevation of pond spill points.

Subsequent seep surveys at each of the waste rock dumps were carried out in September 2002, and in both spring and fall of 2003 and 2004. Stations established in June 2002 were revisited and sampled as appropriate. Some seeps were found to flow intermittently, and new intermittent seeps were located during the follow-up surveys. At the end of 2004, there were approximately 80 seep locations that had been sampled at least once during the 2002-2004 waste rock seepage monitoring program (SRK 2006a).

As part of planning for 2005 monitoring, the waste rock seepage working group discussed the value of continuing to monitor waste rock seepage at the established stations. On the basis of these discussions, SRK carried out a review of previously-sampled seepage stations to assess which stations should continue to be monitored on a twice-yearly basis. Summaries of the rationale for maintaining or eliminating each station from the monitoring program were compiled in a draft memorandum that was circulated and subsequently revised to reflect feedback from the working group (see Appendix A in SRK 2006b). Sites identified for continued monitoring were visited in May and September of 2005 to 2008, and samples were collected as flow conditions permitted.

Several sites where waste rock seepage stations coincided with water licence sampling stations were identified for elimination pending review of sampling practices employed by site staff. These sites were reviewed at the beginning of May during the 2005 through 2008 field visits, but it was found that field filtration of dissolved metal samples was not being carried out as part of water licence sampling. As the protocol for the waste rock seepage survey includes field filtration of dissolved metal samples, it was decided that the water licence stations would continue to be sampled on an interim basis as part of the waste rock seepage monitoring program.

The review of monitoring stations also recommended allowance for a limited number of supplementary samples, to be collected at the investigator's discretion, to characterize intermittent surface flows that daylight only under ideal flow conditions.

From 2002 through 2006, laboratory analysis of seepage samples has been carried out by ICP-OES. During planning meetings for 2007 monitoring, a need was identified to obtain lower detection limits for several trace parameters. It was decided by the various technical working groups that the added cost was justified, and all 2007 and 2008 samples were analyzed using a combination of ICP-OES and ICP-MS.

Samples were collected for analyses of routine parameters (pH, conductivity, acidity, alkalinity, chloride and sulphate), and dissolved metals (dissolved metals by ICP-MS/OES). The samples were filtered and preserved in the field according to standard methods for collection of environmental samples. Field pH, conductivity, redox, and temperature measurements were taken at each station using a WTW meter or Oakton pen meters. Flow estimates were made using the bucket and stopwatch method, by estimating the velocity and cross sectional area of the seep, or by visual estimation.

The sampling locations were marked for later reference with flagging tape and were surveyed using a hand-held GPS. The locations are shown in Figures 1 and 2. Photographs were taken to document the general appearance of the station, as well as any precipitates along the flow paths.

Duplicates and field blanks were collected as a check on the quality of the field methods and laboratory results.

Ion balances were calculated for all samples to ensure total anions were in balance with total cations in solution; this has been standard practice over the history of the Anvil Range waste rock seepage surveys. During evaluation of September 2008 water analyses, it was found that ion balances were very poor when they were calculated using reported sulphate concentrations. The balances were greatly improved when sulphate was calculated from total dissolved sulphur concentrations reported in the ICP dissolved metals analyses; therefore, reported sulphate concentrations were replaced with calculated sulphate values for the September 2008 sampling round.

2.2 Pit Seepage Surveys

Monitoring of seepage and wall rock runoff in the Faro, Grum, and Vangorda pits was carried out in 2003 and 2004 as part of studies relating to future pit lake water quality and treatment requirements. Beginning in 2005, seepage monitoring has also been carried out in the pits as part of the ARD monitoring program, as recommended by the technical working group. It was felt that permanent monitoring stations should be established to allow pit seepage water quality trends to be tracked over time.

Pit seepage surveys were carried out in Faro and Grum pits in May 2008 and in all three pits (Faro, Grum and Vangorda) in September 2008. Pit seep locations are shown in Figures 3 through 5.

Pit seep samples were collected and analysed in the manner described for waste rock seeps in Section 2.1.

2.3 Routine Monitoring

Waste rock seep surveys have been completed both by the operator, as prescribed in water licences, and by various regulatory authorities since approximately 1986 at the routine sample locations shown in Figures 1 and 2. Deloitte & Touche has continued to collect seep samples on a regular basis as part of water licence routine monitoring programs.

The historical water quality database was transferred to a Microsoft Access platform, to allow distribution of results to other users. The development of the Access database was coordinated by Gartner Lee Limited (GLL), who report the compiled results in the annual monitoring reports (e.g. GLL 2007) and who continue to maintain the database. Quality assurance and validation of reported historical monitoring results is undertaken as issues are raised.

2.4 Temperature and Oxygen Monitoring of Waste Rock

Waste rock temperature and oxygen monitoring has been carried out intermittently beginning in February 2003 at seven instrumented drillholes on the Faro, Grum, and Vangorda waste rock dumps (SRK, 2004a). In each drill hole, a thermistor string was installed that measures temperature at discrete locations down hole. In addition, each hole has several plastic tubes installed that permit pore gas to be extracted from discrete locations. The installation of these monitoring facilities is described in detail in SRK 2004a.

In the past, erratic results from some individual monitoring ports have raised the question of whether the ports were blocked or pinched. Prior to sampling, a hand-operated vacuum pump was used to test whether pore gas was able to move freely through each monitoring tube. Those tubes which allowed a vacuum to develop were inferred as being blocked in some fashion, and the previous results from the blocked ports are considered questionable.

Pore gas oxygen content was measured directly using a Servomex Oxygen Analyser. This instrument was calibrated on a daily basis using ambient air (20.9% oxygen) and pure nitrogen gas (0% oxygen). The instrument was connected to each monitoring tube by means of silicone tubing, and pore gas was drawn through the instrument by means of an integrated pump within the instrument. The oxygen analyser produced a direct real-time readout of oxygen content which was then manually recorded.

Temperature measurements were collected by connecting an Omega thermistor reader to a switch box at the terminal end of each installed RST Instruments thermistor string. Temperature at individual monitoring points was collected by selecting the appropriate channel on the switch box. The Omega thermistor reader measured resistance across each monitoring point and converted this measured resistance to temperature. The calculated temperature was then displayed on a digital readout, and was manually recorded. During September 2008, the resistance on each channel was read with an ohmmeter and resistance was converted to temperature according to the formula supplied by the manufacturer.

In the 2008 field program, monitoring of pore gas oxygen content and waste rock temperature was carried out in March, June and September 2008.

3 Results

3.1 Waste Rock Seepage Surveys

The results of the 2002 through 2008 waste rock seepage surveys are provided in Appendix A. Locations and select parameters (ranges of pH, conductivity, flow, sulphate and zinc concentrations for the period of record) are presented in Figures 1 and 2.

3.2 Pit Seepage Surveys

Locations of the 2008 pit seepage monitoring stations are shown in Figures 3 to 5. Results of the 2003 to 2008 pit seepage surveys are included in Appendix B. The purpose of these surveys has been to provide inputs for updates to water quality predictions (such as those presented in SRK 2004b) and to monitor changes in pit seepage water quality over time. Pit seep locations are less consistent than waste rock seep locations, necessitating the establishment of several unique stations to sample available flows. However, there are some stations that have been sampled over several monitoring rounds at locations where seepage has been consistently available. In some areas, for comparison of year-over-year seepage chemistry results, it is necessary to group stations where seepage water interacts with similar pit wall rock types. Pit seepage chemistry is monitored for input to assessments of pit lake chemistry, and the monitoring results are not discussed further here.

3.3 Routine Monitoring

Locations of the routine seepage monitoring stations are shown in Figures 1 and 2. Analytical data for the routine monitoring stations are stored on the Anvil Range water quality database and are not reproduced here. Summary results of the historical seepage monitoring are provided in Figures 8 through 19. The time series shown in these figures provide a graphical summary of the data that allows trends to be easily identified.

3.4 Temperature and Oxygen Monitoring of Waste Rock

The results of temperature and oxygen monitoring are provided in Appendix C. Waste rock temperatures recorded in 2008 were generally within the range of those recorded previously. Measured 2008 pore gas oxygen concentrations were also similar to those previously measured.

Vacuum testing of all individual sampling tubes has indicated that several monitoring ports are blocked. Many of the blocked ports had a paired port at the same elevation that remained functional at the time of testing; however, three monitoring elevations (1.4, 5.6 and 10 m below surface) at installation 10M3 (Grum Dump) had pairs of monitoring tubes blocked at each elevation.

Installation 30M4 (Vangorda Dump) was found to have blockages in both monitoring ports at 1.4 m depth, however ports sampling both higher and lower elevations appeared to be functioning properly.

Installation 30M1 (Faro Dump) was found to have a blockage in the 30 m monitoring port. This port was not installed in duplicate and may not provide any further data. However, ports sampling both higher and lower elevations appeared to be functioning properly.

4 Discussion

4.1 2002 to 2008 Waste Rock Seepage Surveys

4.1.1 Sampling Conditions

The spring waste rock survey took place in mid-May. In some locations there were remnant snow drifts on the rock dumps and there were other areas which were not accessible due to snow cover. The 2008 freshet occurred in early June, which is later than usual based on monitoring since 2002.

Fall runoff conditions were wetter that average, based on the number of flowing seeps and the size of previously observed flows, likely due to the high rainfall experienced in the region over the preceding months. A total of 4 new seeps were identified in September 2008.

4.1.2 Faro Waste Rock Dumps- 2008

Two new seeps were identified at Faro during the 2008 surveys. Station FD51 is a seep entering the pit below the Northeast Dumps. Station FD52 is located at the toe of the Intermediate Dump (see Figure 1 for sample locations).

The previously-developed grouping of seeps into water types continues to be a useful tool for summarizing the monitoring results and for tracking the evolution of dump seepage chemistry.

Water Types

Seepage from the Faro Waste Rock Dumps was divided into three distinct types on the basis of pH and zinc concentrations (Table 1):

- Type 1 seeps typically had pHs greater than 6.5, and zinc concentrations less than 6 mg/L. Other trace metals (e.g. aluminum, iron, manganese) were low or below detection limits.
- Type 2 seeps had pHs typically between 6 and 7, and zinc concentrations from 4 to 595 mg/L. Cadmium, cobalt, iron, manganese, and nickel were also elevated in several of the samples.
- Type 3 seeps had pHs of less than 6, and zinc concentrations typically greater than 10 mg/L and as high as 21,100 mg/L. Aluminum, cadmium, cobalt, copper, iron, manganese, and nickel concentrations were also high in several of these samples. Samples with zinc concentrations greater than 900 mg/L are sourced from oxide fines, ore stockpiles, or the immediate area around the mill.

The summary of Faro water type characteristics in Table 1 was prepared from a modified data set. Where values were reported as less than detection, the detection limit was inserted as the analytical value for the purposes of the statistical calculations. Method detection limits are listed in Table 1; these limits were taken from the non-detect results of blank submissions. Any non-detect result that specified a detection limit more than 10X the minimum method detection limit was excluded from the statistical calculations. The need for this exclusion arose in cases where samples had high ionic strength, and in cases where detection limits changed significantly over time. The variation in the number of samples used in the statistical summary is a reflection of this exclusion.

Table 2 lists the seepage stations by each of the three water types. The results boxes in Figure 1 also indicate these groupings by colour.

The Type 1 seeps included samples from below the Upper Parking Lot dump (FD02), along the toe of the Northeast Dump (FD05, 06, and 07), a seep entering the pit below the Northeast Dumps FD 26), the Zone II East Dump (FD50), the Ramp Zone Dump (FD14), and the Upper Northwest Dump (FD16 and 18). According to the inventory of rock types presented in the 1996 ICAP report (RGI, 1996), these dumps generally contained relatively low proportions of sulphide waste rock, and higher proportions of calc-silicate or intrusive rock compared to other parts of the Faro Dump. The Intermediate Dump contains higher proportions of sulphide material. The seepage chemistry reflects some buffering by reactive carbonate minerals, which help to maintain neutral pH conditions.

The Type 2 seeps have included samples from several different areas, including ore and low grade ore stockpiles (FD01, 09, 10, 12, 31 and 38), the Main Dump West (FD30), the Main Dump East (FD08), the Intermediate Dump (FD44 , 48 and 49), the Lower Northwest Dump (FD19), seeps entering the pit below the Northeast Dumps (FD21, 22, 23, 24, 26 and 27) the Ramp Zone Dump (FD14), seeps in the mill area (FD32 and 35), and seeps from below the Faro Valley Dumps (FD40). The 2 new seeps identified in 2008, FD51 and FD52 (located below the Northeast Dump and Intermediate Dump, respectively), were also classified as Type 2. A common element of all these areas is the presence of sulphides or oxidized schist. Although the pH is typically in the pH 6 to 7 range, it is clear that this drainage is strongly influenced by oxidation of sulphide minerals. However, many of these seeps contain high levels of calcium and magnesium, suggesting that there are still some carbonates present in the source materials.

Samples from below the Main Dump West (FD12 and FD31) typically contain the highest zinc concentrations of Type 2 seeps and are likely influenced in part by ore stockpiles upgradient of this location. Zinc concentrations at FD12 and FD31 were higher during 2008 sampling periods compared to previous years. In May 2008, the zinc concentration at FD12 was 655 mg/L and is considered transitional between Type 2 and Type 3 waters; the concentration of zinc at FD12 in September 2008 was 723 mg/L and has been classified as Type 3 water. In May 2008, zinc concentrations at FD31 were 967 mg/L with a pH of 5.8 and this water was classified at Type 3; in September 2008 the zinc concentration at FD31 was slightly lower (720 mg/L) and the pH had increased to 6.9 but it is still classified as Type 3. Water quality trends at FD31 are included in Section 4.2.1 under X23 (equivalent station). FD01 and FD19 also had higher zinc concentrations in fall 2008 than previously reported (100 and 166 mg/L, respectively).

Table 1: Characteristics of Faro Water Types

Parameter	Detection Limit	Type 1					Type 2					Type 3				
		Average	Median	Min	Max	N	Average	Median	Min	Max	N	Average	Median	Min	Max	N
Field pH (s.u.)	0.01	7.12	7.12	6.02	8.14	73	6.63	6.62	5.72	7.83	97	3.88	3.49	0.9	7.59	76
Acidity pH 8.3	1	10	8	1	34.4	73	215	78	14	2160	97	6201	478	27	53100	77
Alkalinity Total	0.5	139	137	19	322	73	162	103	2	445	97	13	2	0.5	310	77
Chloride	0.5	1.1	0.8	0.28	2.7	70	4.8	2.1	0.5	25	77	26.0	0.9	0.46	1050	60
Sulphate	0.5	487	391	3.1	2667	73	2726	2370	334	10920	97	8393	2090	69	67200	77
Calcium	0.05	100	96	7.5	279	73	362	434	49	675	97	235	235	6.5	545	77
Magnesium	0.1	84	70	1.09	397	73	394	281	35.3	2040	97	391	214	3.8	3210	77
Potassium	0.05	6.0	4.2	0.56	24	53	9.5	9.1	0.2	29	93	7.2	6.1	0.01	20	47
Sodium	2	17	5.7	1.5	150	73	24	19	2	79	97	17	5.4	1.6	216	66
Aluminum	0.002	0.034	0.0058	0.0016	0.35	18	0.44	0.24	0.002	3.6	31	87	11.3	0.037	986	71
Cadmium	0.00002	0.0039	0.0023	0.00004	0.020	20	0.075	0.042	0.0025	0.65	84	4.7	0.21	0.018	57	75
Cobalt	0.00003	0.0053	0.00024	0.00003	0.029	22	0.22	0.065	0.01	1.1	93	2.2	0.35	0.030	20	76
Copper	0.0005	0.0090	0.0040	0.0011	0.060	23	0.14	0.040	0.0034	2.4	74	49	1.6	0.030	559	76
Iron	0.0002	0.087	0.032	0.0002	0.89	21	20	4.6	0.02	135	78	974	57	0.042	15100	76
Lead	0.0002	0.0091	0.0003	0.0002	0.15	19	0.048	0.044	0.0002	0.23	33	0.82	0.42	0.0003	4.92	55
Manganese	0.005	0.11	0.008	0.005	0.69	73	20	5.0	0.037	85	97	114	11.9	0.16	2360	77
Nickel	0.00002	0.045	0.051	0.00041	0.14	30	0.39	0.22	0.014	1.8	94	2.2	0.62	0.050	16	75
Zinc	0.005	2.1	1.5	0.01	14	73	115	44	3.9	655	97	2492	128	2.2	34800	77

Note: Units in mg/L except for acidity/ alkalinity in mg $CaCO_3$ eq/L.

Note 2: Detection limits were used for statistical purposes when values were less than detection.
Where detection limits were greater than 10x the minimum detection limit due to high ionic strength, non-detect results were excluded from statistical calculations.

The Type 3 seeps have included samples from the Oxide Fines Stockpile (FD04 and 46), low grade ore stockpiles (FD12 and 38), the Medium Grade Stockpile (FD37), the mill area (FD33, 34 and 35), the West Main Dump (FD30 and 36), the Intermediate Dump (FD13, 47 and 49), the Faro Creek Diversion dyke (FD20), and, on occasion, seeps entering the pit below the Faro Valley Dump (FD40),or the Northeast Dumps (FD21, 22, 23, 24 and 27). Portions of the waste rock or pit benches in all of the above areas contained sulphides or oxidized schist. The seepage quality indicates very little to no availability of neutralizing minerals to control the pH and metal concentrations in these seeps. Samples from the Oxide Fines Stockpile (FD04, Zn = 1230 to 10,900 mg/L), the Medium Grade Stockpile (FD37, Zn = 6130 to 34,800 mg/L), and the mill area (FD33, Zn = 1110 to 6770 mg/L) had the highest zinc concentrations. Zinc concentrations at Station FD13 were much higher in 2008 ranging from 3880 to 4480 mg/L compared to concentrations ranging from 60 to 880 in previous years (likely reflecting an increased flow from the Intermediate Dump sulphide cell under the wet conditions experienced in 2008). Zinc concentrations in the remaining acidic seeps ranged from 2.2 to 1660 mg/L indicating that seeps with high zinc concentrations occur in association with the sulphide waste rock cells and other sulphidic waste rock.

Table 2: Seepage Stations Classified By Water Type

Type 1		Type 2		Type 3	
(pH typically >6.5, Zn <6 mg/L)		(pH typically between 6 and 7, Zn concentrations typically ranging from 4 to 595 mg/L)		(pH <6, Zn typically >10mg/L)	
ID	**Location**	**ID**	**Location**	**ID**	**Location**
SRK-FD02	Upper Parking Lot Dump	SRK-FD1	Ore and Low Grade Ore Stockpiles	SRK-FD04	Oxide Fines Stockpile
SRK-FD05	Toe of Northeast Dump	SRK-FD8	East Main Dump	SRK-FD12 (2 of 10)	Ore and Low Grade Ore Stockpiles; West Main Dump
SRK-FD06	Toe of Northeast Dump	SRK-FD9	Ore and Low Grade Ore Stockpiles; West Main Dump	SRK-FD13	Intermediate Dump
SRK-FD07	Toe of Northeast Dump	SRK-FD10	Ore and Low Grade Ore Stockpiles; West Main Dump	SRK-FD20	Faro Creek Diversion
SRK-FD14	Ramp Zone Dump	SRK-FD12 (8 of 10)	Ore and Low Grade Ore Stockpiles; West Main Dump	SRK-FD21 (6 of 11)	Northeast Dumps towards Pit
SRK-FD16	Upper Northwest Dump	SRK-FD19	Lower Northwest Dump	SRK-FD22 (1 of 3)	Northeast Dumps towards Pit
SRK-FD17	Upper Northwest Dump	SRK-FD21 (5 of 11)	Northeast Dumps towards Pit	SRK-FD23 (6 of 9)	Northeast Dumps towards Pit
SRK-FD18	Upper Northwest Dump	SRK-FD22 (2 of 3)	Northeast Dumps towards Pit	SRK-FD24 (2 of 14)	Northeast Dumps towards Pit
SRK-FD26 (13 of 14)	Northeast Dumps towards Pit	SRK-FD23 (3 of 9)	Northeast Dumps towards Pit	SRK-FD27 (1 of 4)	Northeast Dumps towards Pit
SRK-FD44 (1 of 4)	Intermediate Dump	SRK-FD24 (12 of 14)	Northeast Dumps towards Pit	SRK-FD30 (3 of 8)	West Main Dump
SRK-FD50	Zone II East	SRK-FD26 (1 of 14)	Northeast Dumps Towards Pit	SRK-FD33	Mill
		SRK-FD27 (3 of 4)	Northeast Dumps towards Pit	SRK-FD34	Mill
		SRK-FD30 (5 of 8)	West Main Dump	SRK-FD35 (2 of 4)	Mill
		SRK-FD31 (11 of 13)	Ore + Low Grade Ore Stockpiles, West Main Dump	SRK-FD36	West Main Dump
		SRK-FD32	Mill	SRK-FD37	Medium Grade Stockpile
		SRK-FD35 (3 of 4)	Mill	SRK-FD38 (1 of 2)	Ore and Low Grade Ore Stockpiles
		SRK-FD38 (1 of 2)	Ore + Low Grade Ore Stockpiles	SRK-FD40 (8 of 13)	Faro Valley Dump
		SRK-FD40 (5 of 13)	Faro Valley Dump	SRK-FD46	Oxide Fines Stockpile, Mill
		SRK-FD44 (2 of 4)	Intermediate Dump	SRK-FD47	Intermediate Dump
		SRK-FD48	Intermediate Dump	SRK-FD49 (1 of 2)	Intermediate Dump
		SRK-FD49 (1 of 2)	Intermediate Dump	SRK-FD31 (2 of 13)	Ore + Low Grade Ore Stockpiles, West Main Dump
		SRK-FD51	Northeast Dumps towards Pit		
		SRK-FD52	Intermediate Dump		

Note: Where water type at a sampling station was variable over time, the number of samples of each type is shown, along with the total number of samples collected at a particular station. For example, eight samples have been collected at SRK-FD14, with seven samples having Type 1 water quality, and one sample having Type 2 water quality.

4.1.3 Grum Waste Rock Dumps - 2008

The 2008 Grum Dump seepage surveys were conducted by walking or driving the external toe of the dump and selected internal dump toes and looking for toe seeps, as previously described. Two new seeps were identified in 2008. GD22 is located at the toe of the waste rock dump upslope of the riprap quarry, west of former station GD17. GD23 is located at the toe on the east side of the Grum Ore Transfer Pad.

Figure 2 shows the location of seep sampling stations, and provides a graphical summary of the distribution of the different seepage types. Table 3 provides a summary of key characteristics for each of the above seepage types. Full seepage monitoring results are included in Appendix A.

Water Types

Most Grum toe seeps sampled in previous years had neutral to slightly alkaline pHs, and would be classified as Type I seeps under the system described for Faro. However, further division is possible on the basis of sulphate and zinc concentrations.

- Type 1a seeps had low to intermediate sulphate (7.0 to 840 mg/L) and low zinc concentrations (<0.005 to 0.45 mg/L). These seeps reflect drainage from calcareous phyllites and till in the northwest draining portion of the dump. Surface mapping in this drainage indicated some sulphides were present in this area, but they were typically in small isolated pockets, and were surrounded by extensive areas of calcareous phyllites.
    - Station SRK-GD18 returned a field pH of 6.7 and a zinc concentration of 0.39 mg/L in May 2005. These May 2005 results represent the lowest pH and the highest zinc concentrations observed to date in seepage from the northwest portion of the dump. In May 2006 and 2007, SRK-GD18 returned higher pH values (7.1 and 7.7, respectively) and lower zinc concentrations (0.13 and 0.03 mg/L, respectively). No flow was observed at GD18 during the May and September monitoring rounds in 2008.
    - An adjacent seep (SRK-GD13) has demonstrated a weak trend of increasing sulphate concentrations over the 2002 (313 to 386 mg/L) through 2006 (649 to 731 mg/L) period (Figure 6). Sulphate concentrations since September 2006 have remained at approximately 650 mg/L expect for a peak value of 836 mg/L during September 2007 monitoring. Magnesium and calcium concentrations show a similar pattern, with concentrations increasing over the 2002-2006 monitoring period and remaining relatively stable since that time. Zinc concentrations have ranged from 0.007 to 0.026 mg/L with the exception of the September 2008 recorded value of 0.11 mg/L. Nickel concentrations up to 0.13 mg/L have been observed at SRK-GD13, which is the maximum nickel concentration observed from Type 1a seeps at Grum.
    - The new station SRK-GD23 was classified as a Type 1a seep with a zinc concentration of 0.45 mg/L, sulphate concentration of 550 mg/L and field pH of 6.8. This station is located northeast of the Grum ore transfer pad, and was observed as a trickling flow that infiltrated into the ground within 2 to 3 m of the dump toe.

- Type 1b seeps generally had zinc concentrations in the range of 2 to 7 mg/L, and sulphate concentrations greater than 500 mg/L. Most of these seeps were towards the southeast, and were below the sulphide cell.
    - Station SRK-GD11, however, which is located upgradient of the mapped sulphide cell, also fell into this group until 2005. Waste rock mapping completed in September 2002 indicated that significant amounts of sulphide were present above this location, and that sulphidic waste rock was not limited to the sulphide cell. In May 2006, SRK-GD11 returned a dissolved zinc concentration of 17.4 mg/L and a field pH of 6.45 and was reclassified as Type 2 using the Faro system. The May 2007 sample also had Type 1b water chemistry, with a zinc concentration of 8 mg/L and a field pH of 6.9. In September 2008, SRK-GD11 returned a lower zinc concentration of 2.2 mg/L and was reclassified as Type 1b (although it should be noted that the September 2008 field pH was 6.3, the lowest on record).
    - Station SRK-GD01 returned dissolved zinc concentrations of 17 mg/L and 11 mg/L in Spring 2004 and Spring 2005 respectively (Figure 7). These spring results are elevated over previously observed zinc concentrations at this station, although sulphate concentrations and field pH were within the range of previous results. Since the Fall of 2005 until the Spring of 2008, SRK-GD01 returned zinc concentrations between 2.6 and 3.1 mg/L which are more typical zinc concentrations at SRK-GD01 for the 2002-2008 monitoring period. The September 2008, sample, however returned a zinc concentration of 6.7 mg/L and a sulphate concentration of 1686 mg/L, the highest sulphate concentration recorded at this station. As the flow at SRK-GD01 is the single largest source of seepage from Grum Dump, water quality at this station will continue to be closely monitored.
    - The new station SRK-GD22 was classified as a Type 1b seep with a zinc concentration of 3.96 mg/L, a sulphate concentration of 1743 mg/L, and a field pH of 6.8. This station is located west, and outside the surface catchment, of the mapped Grum sulphide cell.
- Station SRK-GD16, which flows intermittently, was sampled in May of 2004, 2005, 2007 and 2008. The May 2008 sample returned the highest zinc concentration (139 mg/L) and sulphate concentration (4100 mg/L) observed from the Grum Dump to date. Despite the high zinc concentration, the classification of Type 2 water chemistry is maintained due to the neutral pH of the seep.
- One sample of Type 3 water (SRK-GD19) was collected in Spring 2004 from the toe of an internal lift. Under the Faro system, this sample would be considered transitional between Type 2 and Type 3, based on a dissolved zinc concentration of 107 mg/L and a field pH of 5.7. This station had been dry during subsequent surveys until Spring 2007 when the reported zinc concentration was significantly lower (9.23 mg/L) and was reclassified as Type 2 for that sampling round. SRK-GD19 was flowing again in September 2008 with a zinc concentration of 14.2 mg/L, a sulphate concentration of 804 mg/L and a field pH of about 6. The water chemistry at this station appears to be similar to that observed at the adjacent SRK-GD20 station, and in future surveys consideration should be given to sampling only one of these stations (with priority given to sampling SRK-GD20 if flow conditions allow).

Table 3: Characteristics of Grum Water Types

Parameter	Detection Limits	Type 1a					Type 1b					Type 2			Type3	
		Average	Median	Min	Max	N	Average	Median	Min	Max	N	Min	Max	N	Value	N
Field pH (s.u.)	0.01	7.39	7.37	6.73	7.93	30	7.43	7.54	6.32	8.35	50	6.03	7.63	14	5.73	1
Acidity pH 8.3	1	11	8.8	1.0	40	30	25	22	0.5	69	50	7.0	198	14	238	1
Alkalinity Total	1	314	334	108	474	30	509	540	255	701	50	109	659	14	39	1
Chloride	0.5	1.4	1.3	0.50	2.5	27	1.9	1.9	0.50	2.8	37	0.52	2.8	13	0.58	1
Sulphate	0.5	390	416	7.0	836	30	1367	1345	332	2496	50	566	4100	14	1710	1
Calcium	0.05	157	167	42	286	30	336	348	115	477	50	170	462	14	321	1
Magnesium	0.1	77	71	23	179	30	246	237	70	438	50	106	570	14	167	1
Potassium	0.05	2.9	3.0	1.8	4.1	19	7.0	7.0	1.8	12	50	2.7	20	14	6.5	1
Sodium	2	3.2	3.0	2.0	5.9	30	11	11	2.0	18	50	2.3	15	14	4.5	1
Aluminum	0.002	0.0072	0.0050	0.0020	0.014	5	0.0027	0.0020	0.001	0.0050	15	0.0010	0.004	7	0.28	1
Cadmium	0.00002	0.00011	0.00007	0.00002	0.00029	4	0.00159	0.00146	0.00028	0.0050	15	0.0024	0.089	11	0.18	1
Cobalt	0.00003	0.0033	0.0014	0.0001	0.012	5	0.010	0.0044	0.00040	0.050	21	0.0084	0.45	14	0.70	1
Copper	0.0005	0.0020	0.0010	0.0008	0.0038	5	0.008	0.0024	0.0014	0.041	19	0.0015	0.12	10	2.1	1
Iron	0.0002	0.19	0.21	0.0080	0.43	5	0.234	0.015	0.00	0.80	13	0.015	27	8	46	1
Lead	0.0002	0.00018	0.0002	0.0002	0.0003	5	0.0061	0.0013	0.0002	0.0721	15	0.0012	0.0082	7	0.14	1
Manganese	0.005	0.10	0.0070	0.005	1.9	30	0.13	0.056	0.0016	1.0	50	0.11	6.6	14	7.5	1
Nickel	0.00002	0.085	0.085	0.016	0.13	13	0.40	0.35	0.09	1.42	50	0.10	1.5	14	2.7	1
Zinc	0.005	0.050	0.011	0.005	0.45	30	3.7	2.9	1.1	17	50	7.7	139	14	107	1

Note: Units in mg/L except for acidity/ alkalinity in mg $CaCO_3$ eq/L.

Note 2: Detection limits were used for statistical purposes when values were less than detection.
Where detection limits were greater than 10x the minimum detection limit due to high ionic strength, non-detect results were excluded from statistical calculations.

4.1.4 Vangorda Waste Rock Dumps - 2008

No new seeps were identified at Vangorda in 2008. The previously-developed grouping of seeps into water types continues to be a useful tool for summarizing the monitoring results and for tracking the evolution of dump seepage chemistry.

Figure 2 shows the location of seep sampling stations, and provides a graphical summary of the distribution of the different seepage types. Table 4 provides a summary of key characteristics for each of the above seepage types. Full seepage monitoring results are included in Appendix A. Trends in water quality from the Vangorda dump drains sampled as part of the routine monitoring program carried out by site staff are discussed in Section 4.2.

Water Types

All of the seeps associated with the Vangorda Waste Rock Dump had very high concentrations of zinc and other metals. Two of the seeps sampled in 2008 had pHs between 6 and 7, and six of the seeps were acidic, with pHs of less than 6.

- The seeps with pHs between 6 and 7 can be classified as Type 2 seeps following the system described for the Faro seeps (Section 4.1.1). At Vangorda, these seeps tended to have higher zinc concentrations (13 to 2580 mg/L) than Faro waste rock seeps, reflecting the high proportion of sulphidic waste rock in the Vangorda Dumps. These seeps also had elevated concentrations of cadmium, cobalt, iron, manganese, and nickel. Cobalt and nickel concentrations were substantially higher than in Type 2 seeps at Faro.
- The acidic seeps can be classified as Type 3 following the system described for Faro. These seeps also tended to have higher zinc concentrations than observed in waste rock seeps at Faro, with values ranging from 87 to 16,700 mg/L. Aluminum, cadmium, cobalt, copper, iron, manganese and nickel concentrations were also generally very high.

Table 4: Characteristics of Vangorda Water Types

Parameter	Detection Limits	Type 2					Type 3				
		Average	Median	Min	Max	N	Average	Median	Min	Max	N
Field pH (s.u.)	0.01	6.36	6.34	5.89	7.08	33	4.30	4.05	2.04	5.93	46
Acidity pH 8.3	1	637	312	35	6230	33	10803	5695	213	41600	46
Alkalinity Total	1	131	150	5	351	33	23	2.0	0.5	127	46
Chloride	0.5	1.11	0.80	0.40	4.0	25	1.9	0.50	0.50	11	22
Sulphate	0.5	3589	2880	323	18600	33	24343	16400	1550	88800	46
Calcium	0.05	331	393	69	534	33	430	445	196	603	46
Magnesium	0.1	481	398	27	2790	33	2488	1905	105	8410	46
Potassium	0.05	9.3	11	0.92	14	26	10	10	3.0	28	22
Sodium	2	7.6	9	0.30	16	31	6.6	5.0	1.3	15	25
Aluminum	0.002	0.042	0.026	0.004	0.10	7	108	29	0.40	687	34
Cadmium	0.00002	0.13	0.080	0.028	1.1	33	4.5	1.5	0.14	23	44
Cobalt	0.00003	1.8	0.91	0.029	10	33	13	7.4	0.30	38	46
Copper	0.0005	0.027	0.015	0.0010	0.072	12	11	0.69	0.032	180	26
Iron	0.0002	91	7.9	0.060	1070	31	1538	959	0.12	8350	46
Lead	0.0002	0.041	0.006	0.0008	0.11	10	1.0	1.0	0.0007	2.5	25
Manganese	0.005	136	45	2.4	1200	33	1455	973	18	4830	46
Nickel	0.00002	2.7	2.4	0.065	7.2	33	11	6.6	0.75	38	46
Zinc	0.005	310	129	13	2580	33	4572	2650	87	16700	46

Note: Units in mg/L except for acidity/ alkalinity in mg $CaCO_3$ eq/L.
Note 2: Detection limits were used for statistical purposes when values were less than detection.
Where detection limits were greater than 10x the minimum detection limit due to high ionic strength, non-detect results were excluded from statistical calculations.

4.2 Routine Monitoring

4.2.1 Faro Site

Locations of the routine seepage monitoring stations are shown in Figure 1. Data for these stations are available in the Anvil Range master water quality database maintained by GLL. Graphs of key parameters are provided in Figures 8 through 13. Plotted values typically represent dissolved concentrations; where only total concentration was reported, this value was used for plotting purposes. Where reported concentrations were below method detection levels, the detection level values were plotted; this causes plotted values for some trace metals to decline over time as lower detection levels were achieved, and is not necessarily indicative of declining concentrations of these parameters.

Station X23

Station X23 is located east of the mill, in the original Faro Creek channel, below the eastern portion of the Main Dump, the Oxide Fines Stockpile, and the Medium Grade Stockpile. Interpretation of trends in this data is complicated by the deposition and removal of some of the stockpiled ore, and by leakage of pit water into the old Faro Creek channel from a drainage ditch during operations (RGI 1996).

This station has been monitored for select parameters since 1986, and for a full suite of parameters since 1989. The data are summarized in Figure 8.

Sulphate concentrations increased in stages, from less than 2000 mg/L in 1986 to approximately 6000 mg/L in 2000/2001, followed by a slight decrease to approximately 4000 mg/L in 2002 and 2003. Since mid-2004 sulphate concentrations at X23 have varied between approximately 5000 and 7000 mg/L. The higher sulphate concentrations observed since 2004 correspond to a slight decrease in pH from an average of approximately 7 to an average of approximately 6.5, and changes in the major ion chemistry from calcium-dominated to magnesium-dominated. Peak or near-peak concentrations of dissolved iron (279 mg/L), zinc (857 mg/L), and several other metals (e.g. aluminum, cadmium, cobalt, copper, and nickel) were also observed during this period. These observations indicate that the seepage chemistry continues to be in a state of transition, and that concentrations could continue to increase over time. However, concentrations of most parameters have exhibited similar seasonal patterns and magnitudes since 2004.

Station X26

Station X26 is the discharge from the dewatering sump for the Zone II pit, which is completely filled in and buried by waste rock. The sump is operated over an approximately 3 month period during the summer, and water levels are allowed to fluctuate between depths of 60 and 52 metres below the current ground surface. The variable water table in the backfilled Zone II pit causes repeated wetting and submergence of backfill and former pit walls, and sulphides in the former pit walls and backfill may contribute oxidation products to the water sampled at X26. Results from this station are shown in Figure 9.

Monitoring data showed an initial decrease in sulphate concentrations over the first few years of monitoring (1991 to 1995), followed by a gradual and relatively steady increase with concentrations reaching a maximum of 3400 mg/L in 2005, and then beginning to decrease to approximately 2400 mg/L in 2008. pHs have been relatively stable, in the range of 6 to 6.5. Zinc concentrations also peaked in 2005 at 130 mg/L and have since decreased slightly. Iron concentrations followed a similar trend.

There is a seasonal pattern in metal concentrations, with generally higher concentrations occurring later in the summer, when dewatering levels are at a minimum. Based on this variation, it is possible that there is some stratification of concentrations in the flooded zone of the pit, or that oxidation products leached from backfill and pit walls are responsible for this increase.

Station FCO/A30

Station A30 (near SRK-FD40) is located along the north wall of the pit, below the Faro Valley Dump. The current location is accessed by hiking down from the Faro Valley Dump. In earlier years, the station was a sump, which may have received drainage from other seepage along the pit walls. Station FCO is located immediately upstream of the Faro Valley Dump, and maybe somewhat influenced by leakage through mineralized rock in the road and berm that comprise the Faro Creek

Diversion. Both stations have relatively high flows, and these flows contact waste rock along the flowpath between A30 and FCO. Results for these two stations are provided in Figure 10.

Sulphate concentrations at A30 increased from approximately 200 mg/L in 1989 to 600 mg/L in 1997, and ranged from 100 to 600 mg/L for the subsequent period through 2003. Average and peak sulphate concentrations at A30 increased significantly beginning in 2004, with a peak concentration of 1340 mg/L recorded in May 2005 before demonstrating a decreasing trend to approximately 400 mg/L by the end of 2007. Sulphate concentrations in 2008 were higher and more variable than the past few years, ranging from 750 to 2000 mg/L. pHs decreased from pH 7.5 in 1989 to pH 3 in 1998. Monitoring from 2001 through 2006 recorded fluctuating pHs, with several pH values near 3 and several in the range of 5.6 to 7.5. 2007 and 2008 pH values were all in the 2.7 to 3.6 range. Zinc concentrations followed similar trends to sulphate, reaching peaks of approximately 100 mg/L in 1998, and then varying from approximately 10 to 100 mg/L until 2008 when sulphate values ranged from 66 to 200 mg/L. The wide variations in seepage chemistry may reflect differences in the amount of vertical versus lateral flow through the pile. In addition, interpretation of water quality results (particularly relating to calcium concentrations) for FCO since 2006 may be confounded by alkaline additions from placement of limestone upgradient during summer 2006.

Station SP5/6

Station SP5/6 (equivalent to SRK-FD26) is located below the Upper North East Dump. Flows at this station are substantial, and may be derived from leakage from the Faro Creek Diversion. Results for this station are provided in Figure 11.

Historically, sulphate concentrations have ranged from 200 mg/L to 1000 mg/L, and have been quite variable. Samples collected in 2008 had typical (461 mg/L- June 2008) to near maximum (938 mg/L- September 2008) sulphate concentrations compared to previous SP 5/6 monitoring. The high Spetember 2008 sulphate concentration corresponded to the maximum observed zinc concentration for this station (6.4 mg/L), while the June dissolved zinc concentration was a more typical 1.7 mg/L. In general, calcium, magnesium, and zinc concentrations have been strongly correlated with sulphate. Variations in concentrations appear to be correlated to flows, with lower concentrations occurring in the June samples (high flow), and higher concentrations occurring in the fall samples (low flow). Monitoring of pH has shown typical values ranging from pH 7 to 8, and 2008 monitoring showed that pH conditions continue to be stable at SP 5/6.

Stations NE1, NE2 and W5

Stations W5, NE1 and NE2 are located along the toe of the Northeast Dump. W5 was monitored from 1989 to 1991, and then again since 2004, and was probably sampled close to the toe of the dump. Therefore, it is likely that this station is equivalent to SRK-FD05 and -FD06. NE1 and NE2 are monitored in the regular seepage program, but are collected approximately 100 metres downstream of the toe, and may be influenced by interaction with the overburden in that area.

Results for all three stations are provided in Figure 12. Data from SRK-FD05 and FD06 are shown in the W5 graphs.

Sulphate concentrations in W5 increased from approximately 300 mg/L in 1987 to 1989 to approximately 400 mg/L in the more recent samples. One sample collected from SRK-FD06B had a peak value of 1160 mg/L sulphate in spring 2006. Sulphate concentrations in 2008 samples ranged from 330 to 630 mg/L. Zinc concentrations increased from much less than 1 mg/L in 1989/90 to seasonably-variable concentrations of 0.5 to 14 mg/L for the period 2002 through 2008. Field pHs during this period were neutral, and concentrations of other metals were generally low.

Sulphate concentrations at NE1 were stable within the range of 70 to 130 mg/L from 1997 through 2003, and then increased to range between 100 and 290 mg/L since 2004. Metal concentrations at this station were low and pH values were neutral throughout the monitoring period.

Sulphate concentrations in NE2 increased from approximately 100 mg/L in 1997 to variable concentrations between 400 and 900 mg/L since mid-2000. Metal concentrations at this station were low and pH values were neutral throughout the monitoring period.

Station W8/W10

Station W8 is located in Upper Guardhouse Creek, which flows under and alongside an approximately 50 metre section of the Northwest Dump. This station is equivalent to SRK-FD16. Station W10 is located approximately 100 metres upstream from this station and is unaffected by mining activities. Results for W8 (including data from SRK-FD16), and W10 are provided in Figure 13.

Results for both stations indicate consistently neutral pHs, low sulphate and low metal concentrations. There is little if any increase in concentration between W10 and W8.

4.2.2 Grum Site

The routine monitoring stations at Grum are shown in Figure 2. Station V2 has been monitored on a regular basis since 1988, with monitoring at V2A since 1997 and at V15 since 1995. The routine stations are located along the road access and are between 200 and 800 metres below the toe of the dumps, where dilution of toe seepage by surface water and interaction of toe seepage with soils along the flow-paths could be expected. As such, monitoring results from these stations are not directly comparable to seepage at the toes of the dumps. The routine seepage monitoring data were available from the Anvil Range master water quality database maintained by GLL. Graphs of key parameters are provided in Figures 14 and 15. Plotted values represent dissolved concentrations; where only total concentration was reported, this value was used for plotting purposes. Where reported concentrations were below method detection levels, the detection level values were plotted, causing plotted values for some trace metals to decline over time as lower detection levels were achieved. As such, these changes are not necessarily indicative of declining concentrations of these parameters.

Results from these stations have also been discussed as part of the 2008 Adaptive Management Plan (AMP) Event #4 report (SRK 2008a).

Stations V15 and V2

Station V15 represents surface runoff and groundwater seepage discharging from a sedimentation pond below the toe of the waste dump at the upper limit of Tributary A. The area immediately upgradient is a groundwater discharge zone for one of the Grum Dump catchments, and toe seeps at stations SRK-GD04 and SRK-GD21 are intermittently present as surface discharges upgradient of V15. Water at station V15 has been in close contact with soils and sediments, and chemical interaction with these materials is likely significant. Results for these stations are provided in Figure 14.

Sulphate concentrations at Station V15 increased gradually between 1996 and 2000 (from 100 mg/L to 300 mg/L), and then more rapidly in 2000 and 2001, reaching levels in the range of 1000 mg/L by June 2001. Sulphate concentrations remained at approximately 1000 mg/L until 2004, and then increased to approximately 2000 mg/L by fall of 2005, with a March 2005 spike to approximately 3000 mg/L. Sulphate concentrations remained at approximately 2000 mg/L through 2006 and generally ranged from 1400 to 1900 mg/L through 2007 and 2008. The 2004 through 2005 increase in sulphate concentrations corresponded to increases in calcium and magnesium concentrations, with calcium concentrations generally exceeding magnesium concentrations. pH values had been stable in the range of 7.5 to 8 from 2000 through 2005, then steadily declined through 2006 and 2007 to a minimum pH value of 6.3 in September 2007. pH values then steadily increased, with 2008 pH values varying from 6.7 to 7.6. There has been a broad correlation between pH and zinc concentrations from 2006 through 2008, with higher zinc concentrations typically occurring at lower pH values. Zinc concentrations in 2008 ranged from 0.2 to 1.2 mg/L. Over the 2004 to 2005 time period when sulphate increased markedly, nickel concentrations increased from 0.01 mg/L to approximately 0.05 mg/L and cadmium concentrations have increased from <0.0002 mg/L to 0.001 mg/L. Since 2005, nickel at V15 has ranged from 0.012 to 0.085 mg/L, and cadmium has typically ranged from 0.0005 to 0.0013 mg/L, with 2008 concentrations within these respective ranges

Station V2 is located upstream of Vangorda Creek in the original Grum Creek channel, and is fed by discharge from the sedimentation pond at V15, as well as by seepage losses from the Grum Creek diversion and local runoff. Since 2007, discharge from V15 has been diverted by a ditch to Moose Pond via Grum Creek. Minor seepage losses from the ditch continue to report to V2.

Sulphate concentrations at V2 increased from less than 50 mg/L in the late 1980s (i.e. prior to dump construction) to approximately 150 mg/L in 1998. In 1998, concentrations started to increase rapidly, reaching 600 to 700 mg/L by 2000. Sulphate concentrations remained between 600 and 700 mg/L from 2000 through mid-2004 then increased to approximately 1000 mg/L from 2005 through to May 2007. Since May 2007 sulphate concentrations have generally ranged between 640 and 770 mg/L. pHs were in the range of 7 to 8.5 throughout this period. Calcium and magnesium concentrations have followed the same pattern as sulphate concentrations. Calcium remained the dominant cation. Zinc concentrations at station V2 have been highly variable, with typical concentrations ranging from less than 0.01 to 1 mg/L prior to 2002, and from 0.005 to 0.05 mg/L since 2002. Concentrations of other metals (e.g. cadmium, iron, cobalt, copper, and nickel) were variable, but generally low, and have remained constant or declined in recent years.

Station V2A

Station V2A represents the downstream extent of the largest seepage flows that originate at the toe of the Grum dump, at stations SRK-GD01 and SRK-GD02. In addition, diverted water from Station V15 began reporting to Grum Creek above the sampling point in mid-2007. Station V2A is sampled where water diverted from Grum Creek discharges into Moose Pond via a culvert. Sample frequency was irregular at this station prior to 2002. Results for this station are provided in Figure 15.

Sulphate concentrations at Station V2A increased erratically between 1996 and 1999 (from 100 mg/L to 400 mg/L). No monitoring was conducted at V2A during 2000, and although initial monitoring in 2001 showed similar concentrations (380 mg/L, March 2001) sulphate concentrations had jumped to 800 mg/L by June 2001. Sulphate concentrations at V2A then varied seasonally between 300 and 1000 mg/L from 2001 to late 2008, demonstrating a slightly increasing trend over time (2008 samples ranged from 610 to 1050 mg/L, with the highest sulphate concentrations likely influenced by the diversion of water from V15). The seasonally-fluctuating sulphate concentrations were mirrored by calcium and magnesium concentrations over the 2001-2008 period. pH values were stable in the range of 7.5 to 8.6 throughout the monitoring period.

Zinc concentrations at Station V2A were highly variable from initial 1997 monitoring through 2007, with typical concentrations ranging from less than 0.01 to 0.1 mg/L prior to 2000, and from 0.01 to 1 mg/L from 2001 through 2007. Zinc concentrations from 2001 to 2007 appeared to follow a pattern of annual peaks during June freshet (0.2 to 1 mg/L) and lows associated with late winter flows (0.05 to 0.08 mg/L). In 2008, zinc concentrations did not showed the same degree of seasonal variation, with zinc concentrations ranging from 0.9 to 1.7 mg/L during the June through September period- the higher zinc concentrations at V2A in 2008 correspond to the diversion of water from V15 to Grum Creek above the V2A sampling location.

Nickel concentrations at V2A have followed the same trend as zinc concentrations with elevated concentrations (seasonal variation of 2 orders of magnitude) from 2001 through 2007, with less variation in 2008 with nickel concentations ranging from 0.08 to 0.12 during the June through September monitoring period. Cadmium concentrations were typically near or below detection levels from 2001 through 2007, but cadmium concentrations increased to routinely detectable levels ranging from 0.0002 to 0.0006 mg/L in 2008. Other metal concentrations (e.g. iron, cobalt, and copper) were variable, but generally low, and did not change significantly over time.

4.2.3 Vangorda Site

The routine seepage monitoring stations at Vangorda are the three drains shown in Figure 2, as well as a Vangorda Creek monitoring station below all mine inputs (not shown on Figure 2). Results for these stations were available from the Anvil Range master water quality database maintained by GLL. Graphs of key parameters are provided in Figures 16 to 19. Plotted values represent dissolved concentrations; where only total concentration was reported, this value was used for plotting purposes. Where reported concentrations were below method detection levels, the detection level values were plotted; this causes plotted values for some trace metals to decline over time as lower detection levels were achieved, and is not necessarily indicative of declining concentrations of these parameters.

Drains 3, 5 and 6 (Stations V30, V32 and V33)

Three of the drains (Drain 3, 5 and 6) at Vangorda have been monitored as part of the routine monitoring programs since 1994. The other drains (Drains 1, 2 and 4) have historically been consistently dry. Results are shown in Figures 16 through 18.

Results for station V30 (Drain 3, SRK-VD03) are provided in Figure 16. Seepage from this station has had pHs close to 6 throughout the monitoring period. One lower pH value of 5.2 was recorded in September 2008. Sulphate concentrations increased from 2500 mg/L in 1994 to a peak concentration of 6200 mg/L in fall 2004 and had decreased to approximately 4200 mg/L in 2007. Sulphate concentrations in 2008 further increased, ranging from 4400 to 7500 mg/L. Zinc concentrations were highly variable in the range of 150 to 600 mg/L from 1994 through spring 2000. Station V30 was not monitored again until spring 2002 and zinc concentrations were more stable until 2007, in the range of 200 to 450 mg/L (with one peak value of 612 mg/L recorded in May 2004). Concentrations in 2008, however, were higher than previous years, ranging from 340 to 860 mg/L. High concentrations of sulphate, zinc and other metals in 2008 may reflect a higher than normal degree of flushing of oxidation products arising from the unusual amount of rain experienced at the site in 2008.

Results for station V32 (Drain 5, SRK-VD04) are provided in Figure 17. pHs at this station have decreased from approximately 5 in 1994 to approximately 3 over the 2003 through 2008 period, with one value of 2.2 reported. 2008 pH values in 2007 ranged from 2.7 to 3.7. Sulphate concentrations increased substantially during this period from approximately 5000 mg/L in 1994 to typically 50, 000 to 80, 000 mg/L since 2004, with a peak of 93,000 mg/L reported in September 2004. The high sulphate concentrations were supported by a similar magnitude of increase in magnesium concentrations (from approximately 500 mg/L in 1994 to 5500 mg/L in 2007/2008) as well as substantial increases in iron, manganese and zinc concentrations. Recent iron and manganese concentrations have been in the range of 2500 to 5000 mg/L, and zinc concentrations have been in the range of 10, 000 to 16, 000 mg/L. Concentrations of aluminum increased until 2005 and fluctuated between 150 and 690 mg/L throughout 2006 to 2008. Cadmium increased to a peak concentration of 23 mg/L in 2004 and ranged between 6.4 and 15 mg/L in 2008 (similar to the range of observed from 2005 through 2007). Cobalt (approximately 30 mg/L) and nickel (approximately 20 mg/L) concentrations were relatively stable over the 2002 through 2008 monitoring period. Concentrations of copper have fluctuated between 0.02 and 1 mg/L since 1996 with a peak value of 2 mg/L recorded in October 2007. Lead concentrations were highest between 1997 and 2000 (10 mg/L) and have decreased to approximately 1 mg/L since 2005 with one value of 3 mg/L recorded in October 2007.

Results from Station V33 (Drain 6, SRK-FD05) are provided in Figure 18. pHs were in the range of 6 to 7 from 1994 to 1999, dropped to approximately 6 in the 2000 to 2002 samples, and typically ranged between 5 and 6 from 2004 until 2007. 2008 pH values were slightly lower, ranging from 4.5 to 4.9, suggesting that buffering processes in the upgradient rock are evolving. Sulphate concentrations were in the range of 2000 to 5000 mg/L from 1994 to 2000, and then increased to a peak of approximately 90,000 mg/L in 2004, before decreasing to concentrations of approximately 50,000 mg/L in 2006/2007. Sulphate concentrations increased in 2008 to approximately 88,000 mg/L. Magnesium concentrations have been correlated with sulphate concentrations, beginning to increase in 2001 to approximately 7000 mg/L in 2006 and having remained relatively stable since that time. Concentrations of iron, zinc and several other metals have increased slightly since 2000, with zinc concentrations generally in the range of 3000 to 10,000 mg/L in recent years. Maximum aluminum concentrations of 168 mg/L were observed in September 2008, likely due to the lower pH conditions.

Station V27

Station V27 is the first routine monitoring station in Vangorda Creek downstream of the Vangorda and Grum Waste Rock dumps and other mine-related sources. Although interpretation of the surface water sampling stations is not directly relevant to the seepage monitoring program, the low flows observed in seeps from the Vangorda Dump suggest that some water could be leaving the system via the subsurface. Station V27 is sufficiently lower in elevation that it could be reasonably expected to reflect any contaminants that are transported via the groundwater system.

However, Vangorda Creek flows are very large, so significant changes in loading would be needed before any changes from the dumps could be observed. One consideration for interpretation of the V27 monitoring data is that arrival of Vangorda Dump contaminants at Vangorda Creek may not yet have occurred, as groundwater movement in the soils underlying the dump is expected to be slow. A second consideration is that any loading entering the creek from the Grum dump or other sources in the upgradient catchment would contribute to loads at this location, and thus the portion of load observed at V27 that is sourced from Vangorda dump will be difficult to quantify. Results for station V27 are presented in Figure 19.

Results for this station indicated consistently neutral pHs, and generally low sulphate concentrations (<50 mg/L) from 1991 to 2001. Sulphate concentrations since 2002 have typically ranged from about 25 to 90 mg/L, with a peak value of 250 mg/L reported for August 2008. Elevated sulphate concentrations are routinely experienced during the summer when the Vangorda water treatment plant is discharging effluent to Vangorda Creek. Metal concentrations at V27 were generally very low, and have exhibited stable or slightly decreasing trends since 2002. Copper and zinc concentrations in Vangorda Creek were near or above CCME guidelines for aquatic life, and detection limits for several other parameters were too high to evaluate whether they meet CCME criteria.

4.3 Temperature and Oxygen Monitoring of Waste Rock

There were no significant changes in the temperature and oxygen monitoring data compared to data from previous years (see SRK 2008). Therefore, additional interpretation of the data has not been conducted- see SRK (2004a) for a detailed interpretation of results of thermal and oxygen monitoring.

5 Conclusions

Seeps associated with the Faro Waste Rock Dumps showed a wide range of pH and zinc concentrations. The highest zinc concentrations (>200 mg/L, as high as 34,800 mg/L) were associated with the ore and oxide fines stockpiles and the mill area. Zinc concentrations at SRK-FD13 (Intermediate Dump) were nearly an order of magnitude higher in 2008 than previously observed, with concentrations ranging from 3880 to 4480 mg/L, and likely reflect increased flushing from the upgradient sulphide cell due to the unusually high rainfall experienced in the region during 2008. No other stations draining from the Intermediate Dump were sampled in 2008. High zinc concentrations were also associated with the Main Dump sulphide cell (up to 1000 mg/L). Away from the known sulphide cells, many seeps were acidic or partially buffered, and had zinc concentrations in the range of 5 to 600 mg/L. A moderate number of seeps at Faro had alkaline pHs, and zinc concentrations of less than 5 mg/L. These were associated with dumps that contained waste rock with relatively low sulphide content. Cadmium, cobalt, copper, iron, manganese and nickel concentrations in some of the seeps are at concentrations that significantly exceed receiving water quality criteria.

Faro waste rock seepage chemistry appears to be remaining within a stable range at most stations. Seepage from the Main Dump, the Oxide Fines stockpile and the Medium Grade Ore Stockpile (as monitored at routine monitoring station X23, and SRK seep survey stations SRK-FD12 and SRK-FD31) has had sulphate, major ion, and zinc and other trace metal concentrations that have remained stable within seasonal ranges over the period from 2004 through 2008. The surface water at X23 represents the largest known source of loading from the Faro waste dumps, and as such the evolution of water chemistry at this station provides a critical link in understanding the progress of weathering within the Faro dumps.

Seeps associated with the Grum Waste Rock Dumps had consistently neutral to alkaline pHs. Seeps draining to the southeast had zinc concentrations generally in the range of 2 to 7 mg/L and elevated sulphate concentrations in 2008. The seeps to the Southeast were located below the sulphide cell, or below sulphidic waste identified in the SRK September 2002 surface mapping programs. Zinc concentrations remained within stable ranges at all southeast draining seeps in 2008. Over the 2002 to 2008 monitoring period,seeps draining to the northwest have had zinc concentrations ranging from <0.005 to 0.4 mg/L, dissolved nickel concentrations up to 0.13 mg/L, and generally lower, but increasing sulphate concentrations ranging up to 836 mg/L.

Grum waste rock seepage chemistry at most locations appears to have gradually increasing sulphate concentrations and stable or gradually increasing zinc concentrations. Isolated ephemeral seeps with high zinc concentrations (e.g. SRK-GD16 (139 mg/L, May 2008)) show that, at least at a local scale, waste rock at Grum has the potential to generate higher loads than are presently observed at the seepage stations with larger and more consistent flows. The increase in sulphate and zinc concentrations observed at station V15 over the 2004 to 2006 period appears to have stabilized, but demonstrates how order of magnitude increases in aqueous zinc concentrations can develop over a modest time period.

Seeps associated with the Vangorda Waste Rock Dumps were acidic to partially buffered, and contained high to very high zinc concentrations (from 10 to 16,700 mg/L). In general, pH conditions have been stable in recent years, however in 2008 pH values at both Drain 3 (Station V30) and Drain 6 (Station V33) were lower than previously observed and seepage at these stations may reflect depletion of upgradient buffering capacity. Sulphate and zinc concentrations have increased since the routine seepage monitoring programs were initiated in 1994, but concentrations appear to have stabilized within broad ranges of seasonal variation since 2004. Other trace metals significantly exceeding receiving water quality criteria in the Vangorda seepage include aluminum cadmium, cobalt, copper, iron, manganese and nickel. Cobalt and nickel are notably higher compared to acidic seeps at Faro.

This report, "**1CD003.113 – Faro Mine Complex- 2008 Waste Rock and Seepage Monitoring Report: 2008/09 Task 13 – FINAL",** was prepared by SRK Consulting (Canada) Inc.

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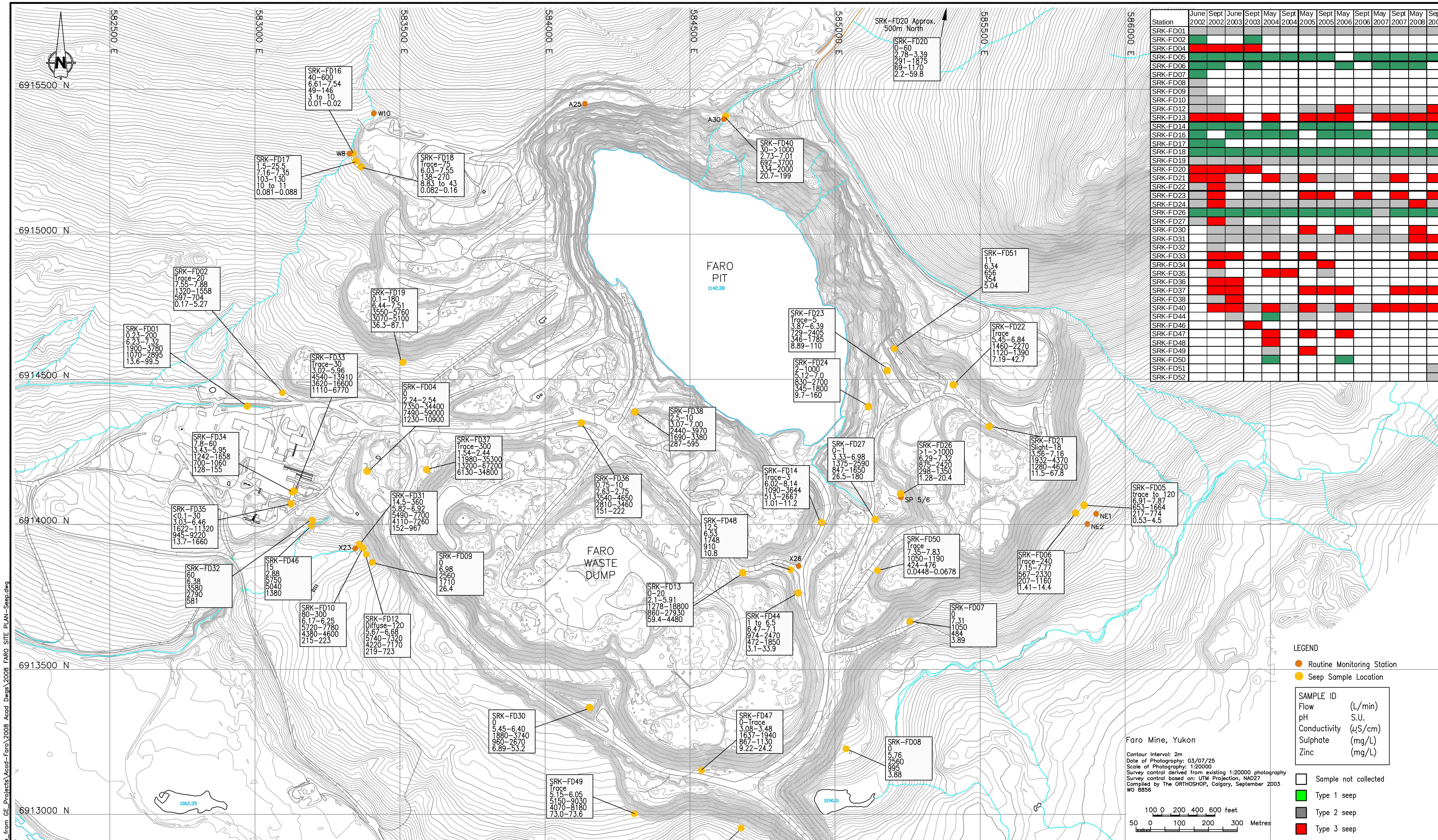
Figures



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2008 Waste Rock and Seepage Monitoring

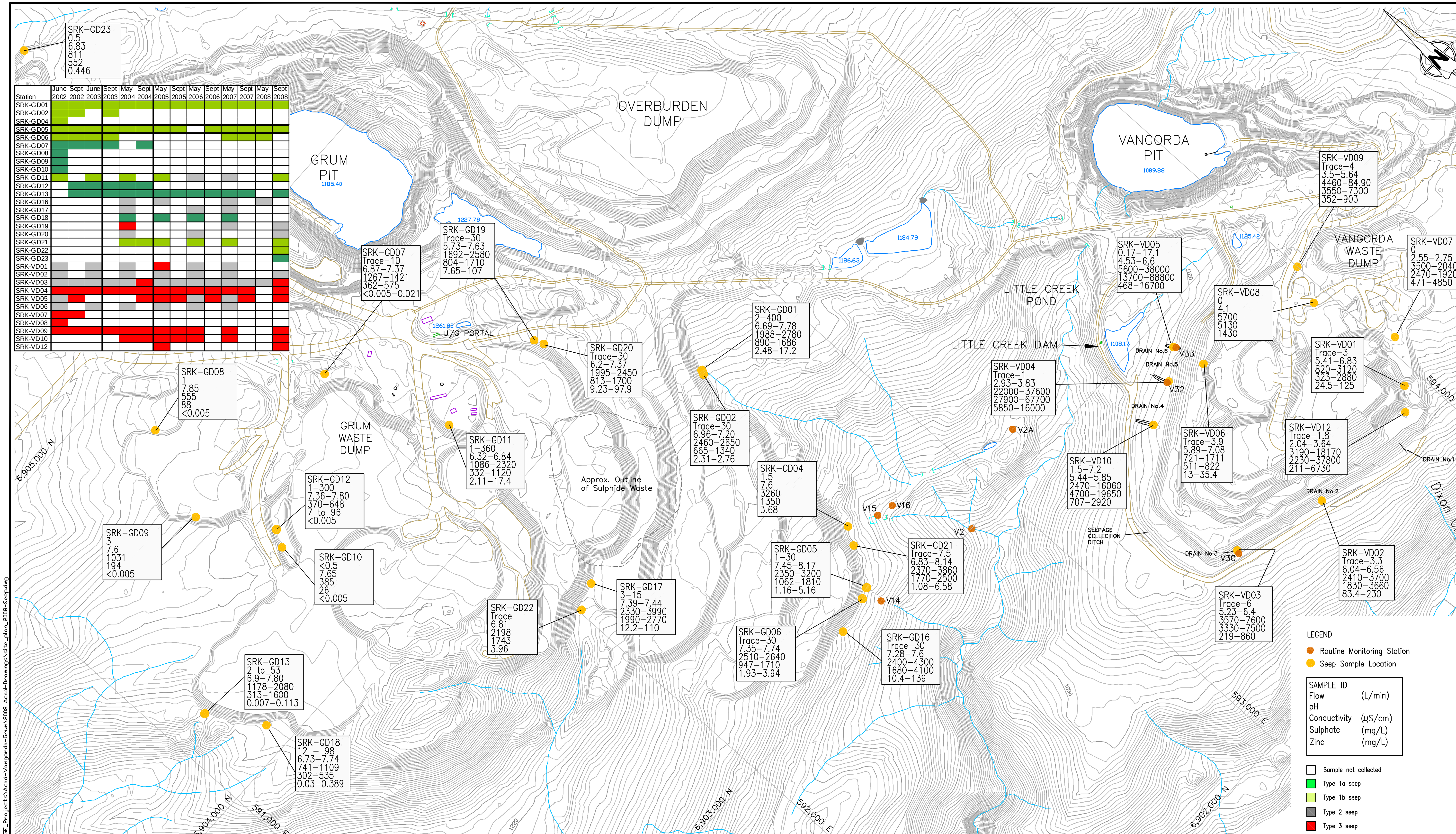
Seep Survey Locations
Faro Waste Rock Dumps

SRK JOB NO.: 1CD003.11-113

FILE NAME: 2008 FARO SITE PLAN-Seep.dwg

Anvil Range Mining Complex

DATE:	APPROVED:	FIGURE:
Dec. 2008	M.C.C.	1



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Survey control derived from existing 1:20000 photography
Survey control based on: UTM Projection, NAD27
Compiled by The ORTHOSHOP, Calgary, September 2003
WO 8856

100 0 200 400 600 feet
50 0 100 200 300 Metres

J:\01_SITES\FARO\1000_Deloitte_From GE_Projects\Acad-Vangorda-Grum\2008 Acad-Drawings\site_plan_2008-Seep.dwg

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2008 Waste Rock and Seepage Monitoring

Seep Survey Locations Vangorda & Grum Waste Rock Dumps

Anvil Range Mining Complex

SRK JOB NO.: 1CD003.11–113
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DATE: Dec. 2008
APPROVED: M.C.C.
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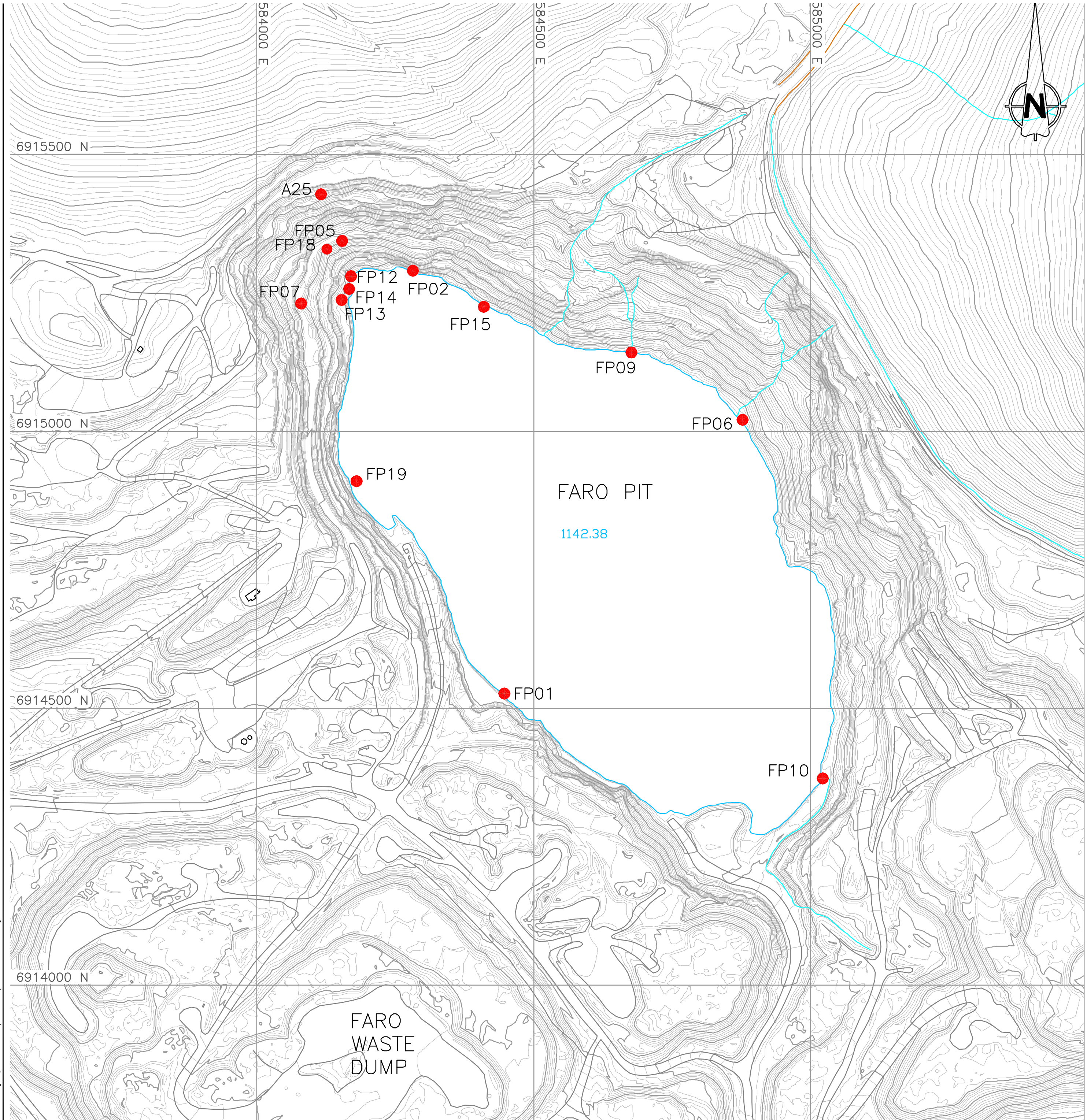

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Compiled by The ORTHOSHOP, Calgary, September 2003
WO 8856

0 50 100 150 200 250 300 350 400 450 500m

Scale 1:10,000

LEGEND

● Seep Sample Location

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2008 Waste Rock and Seepage Monitoring

Seep Survey Locations
Faro Pit

Anvil Range Mining Complex

SRK JOB NO.: 1CD003.113	DATE: Dec. 2008	APPROVED: DBM	FIGURE: 3
FILE NAME: 2008 Seep survey locations.dwg			

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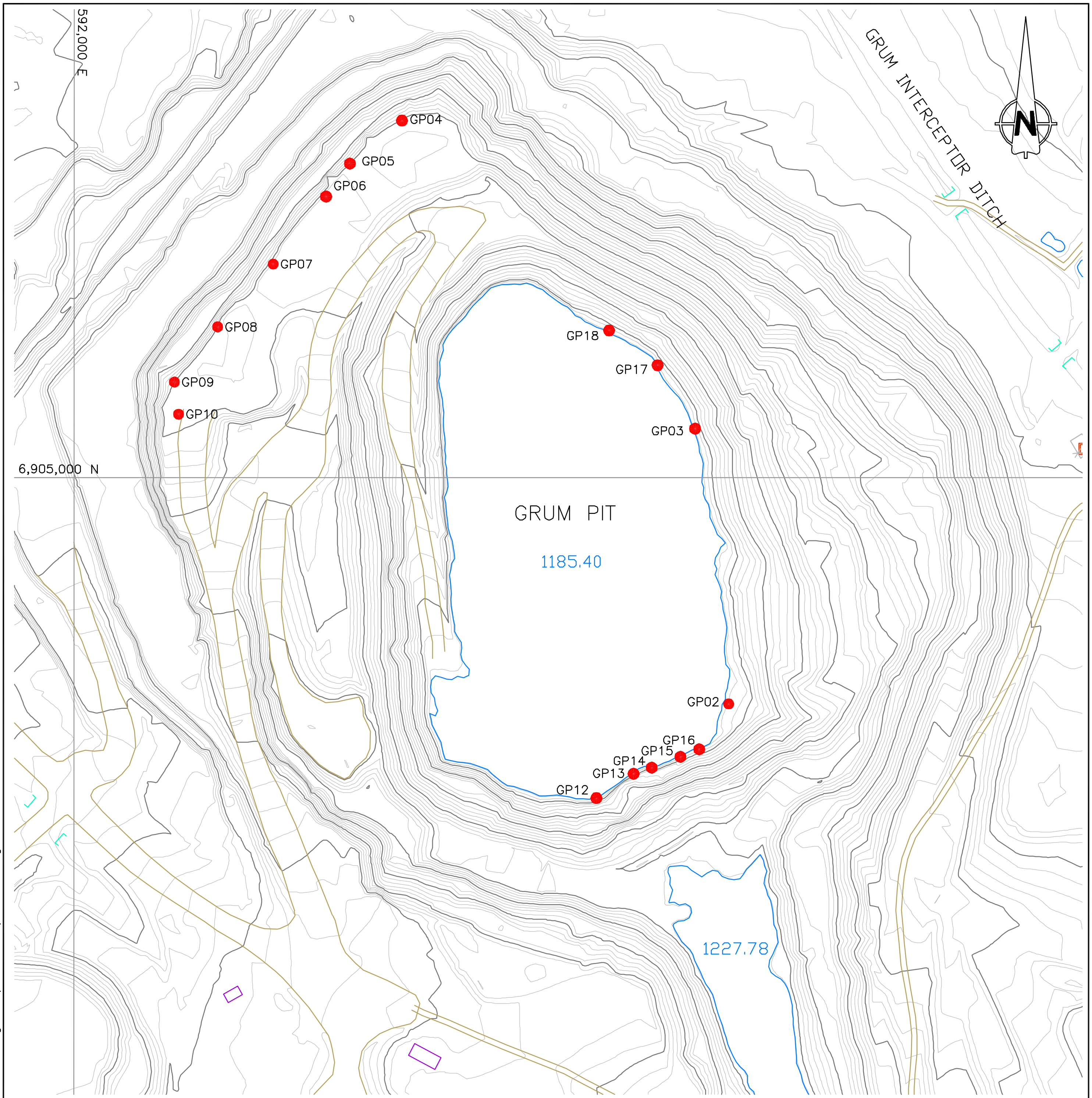

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Survey control based on: UTM Projection, NAD27
Compiled by The ORTHOSHOP, Calgary, September 2003
WO 8856

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Scale 1:5000

● Seep Sample Location

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2008 Waste Rock and Seepage Monitoring

Seep Survey Locations
Grum Pit

SRK JOB NO.: 1CD003.113

FILE NAME: site_plan_2008_Seep Locations.dwg

Anvil Range Mining Complex

DATE:	APPROVED:	FIGURE:
Dec. 2008	DBM	4

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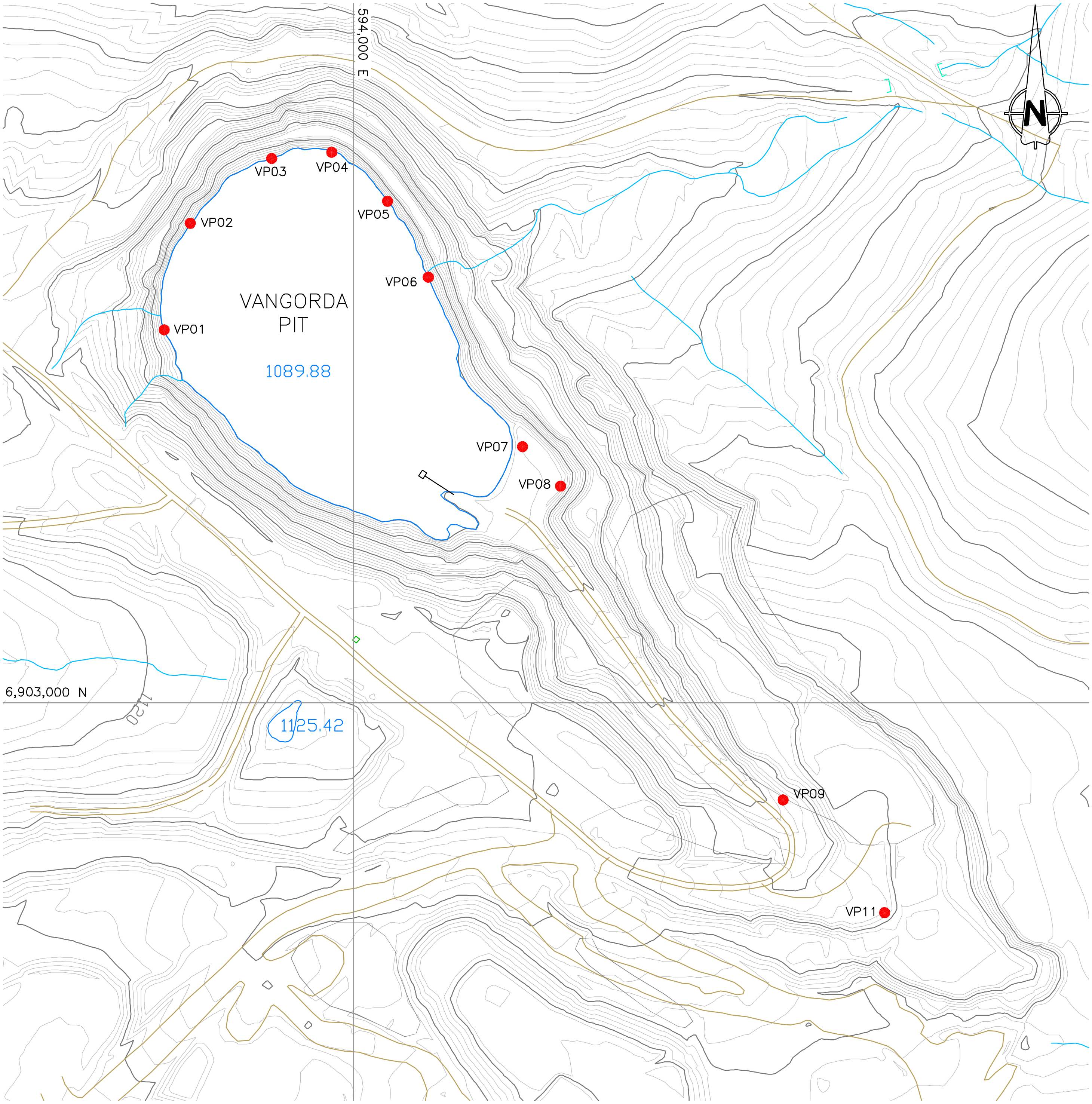

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Compiled by The ORTHOSHOP, Calgary, September 2003
WO 8856

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Scale 1:5000

● Seep Sample Location

NOTE:

No sample VP10 collected Sep. 2008

J:\01_SITES\FARO\1000_Deloitte_from GE_Projects\Acad-Vangorda-Grum\2008 Acad-Drawings\site_plan_2008_Seep Locations.dwg

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Seep Survey Locations
Vangorda Pit

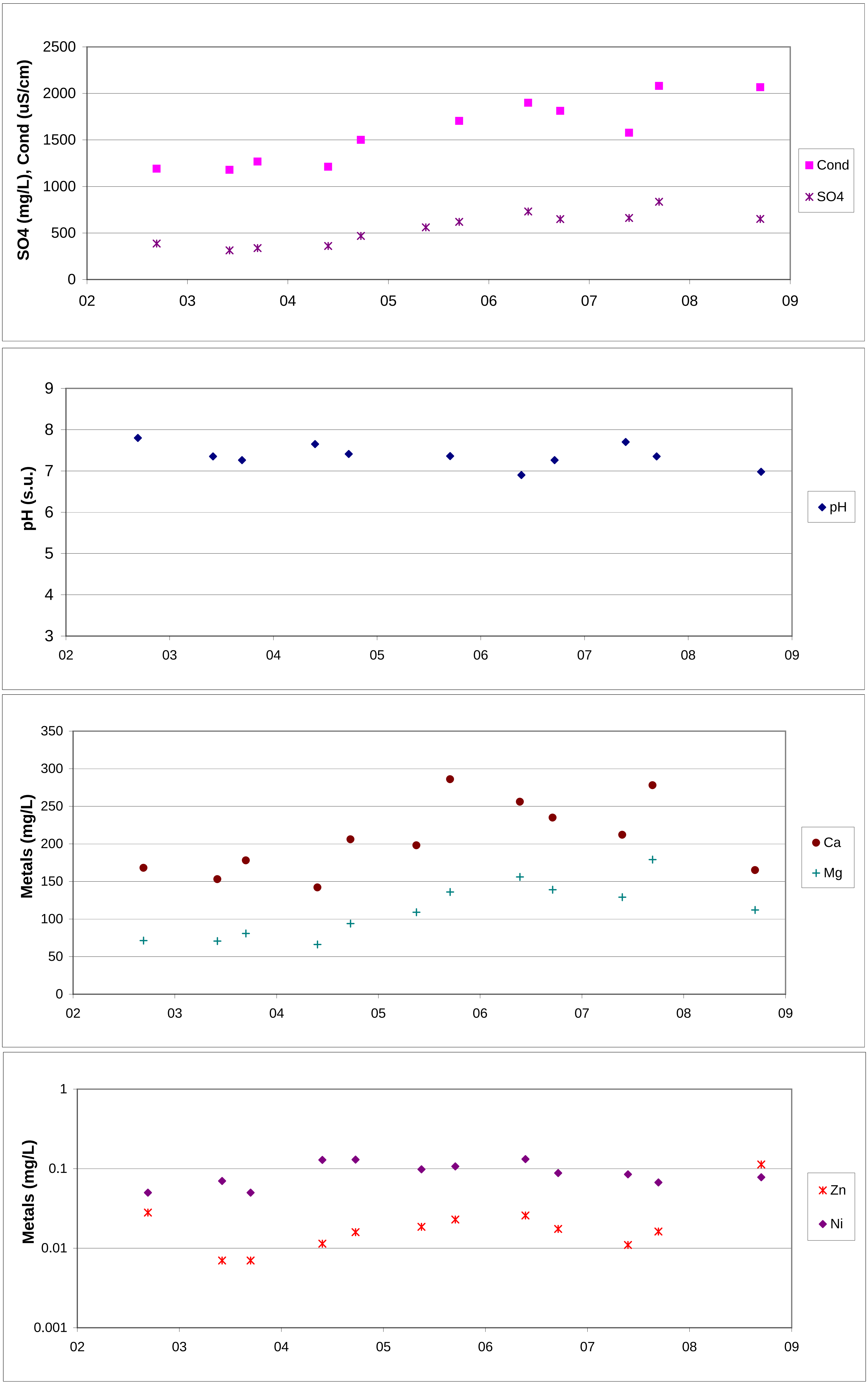
SRK JOB NO.: 1CD003.113

FILE NAME: site_plan_2008_Seep Locations.dwg

Anvil Range Mining Complex

DATE:	APPROVED:	FIGURE:
Dec. 2008	DBM	5

SRK-GD13



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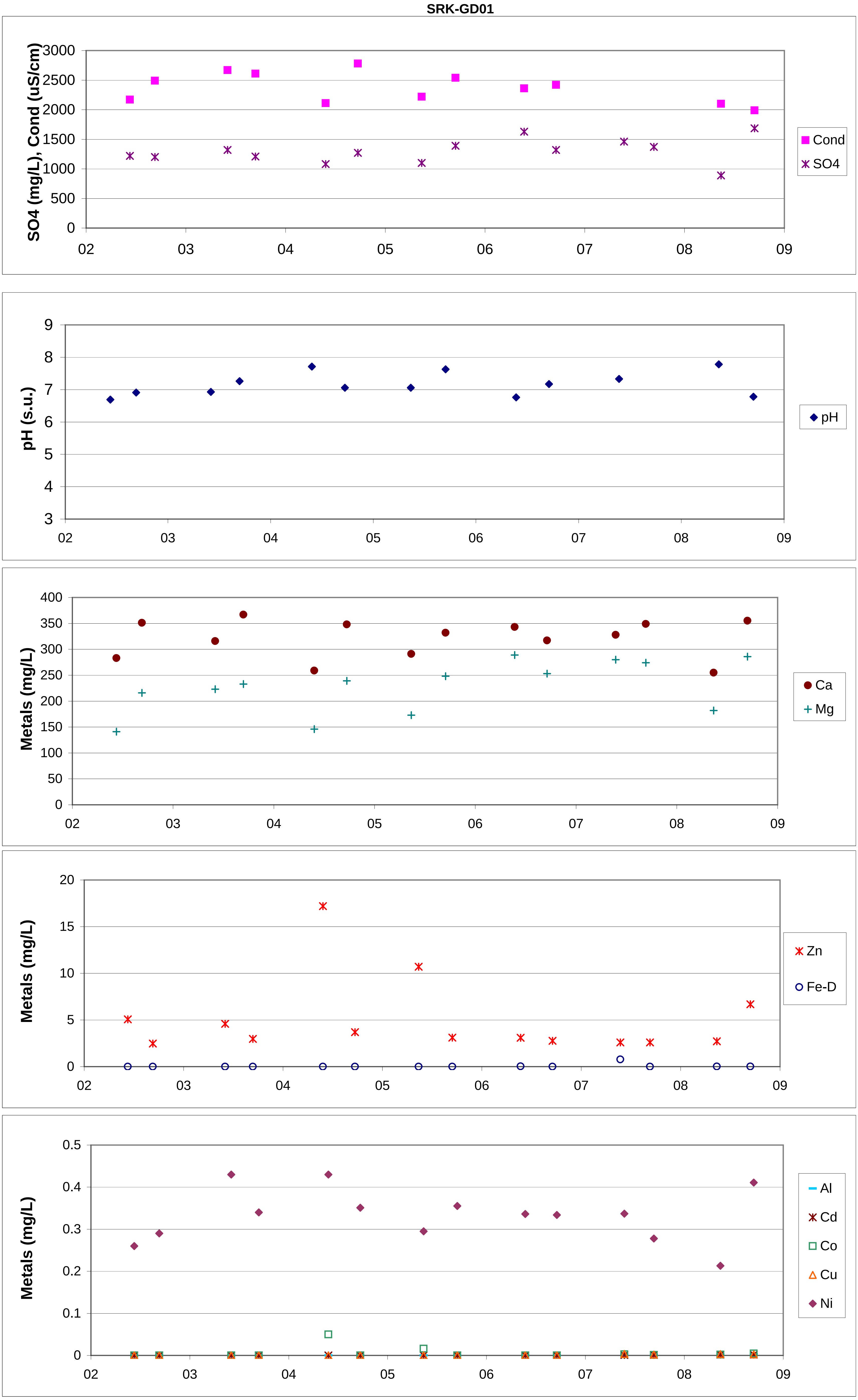
2008 Waste Rock and Seepage Monitoring Report

Grum Seepage Station
SRK-GD13

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	**6**

Grum_Routine Graphs.2008



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Grum Seepage Station
SRK-GD01

PROJECT	DATE	APPROVED	FIGURE
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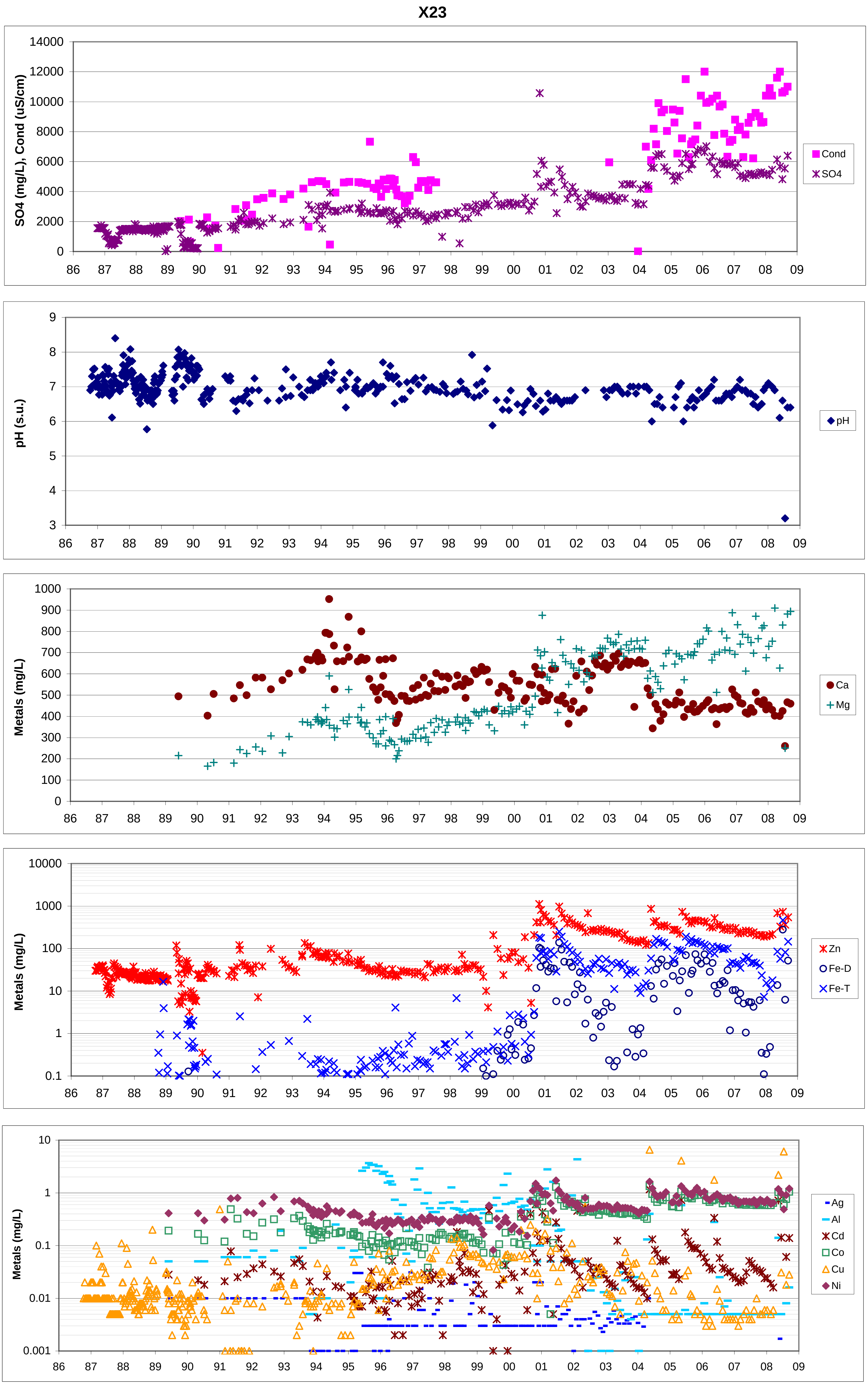

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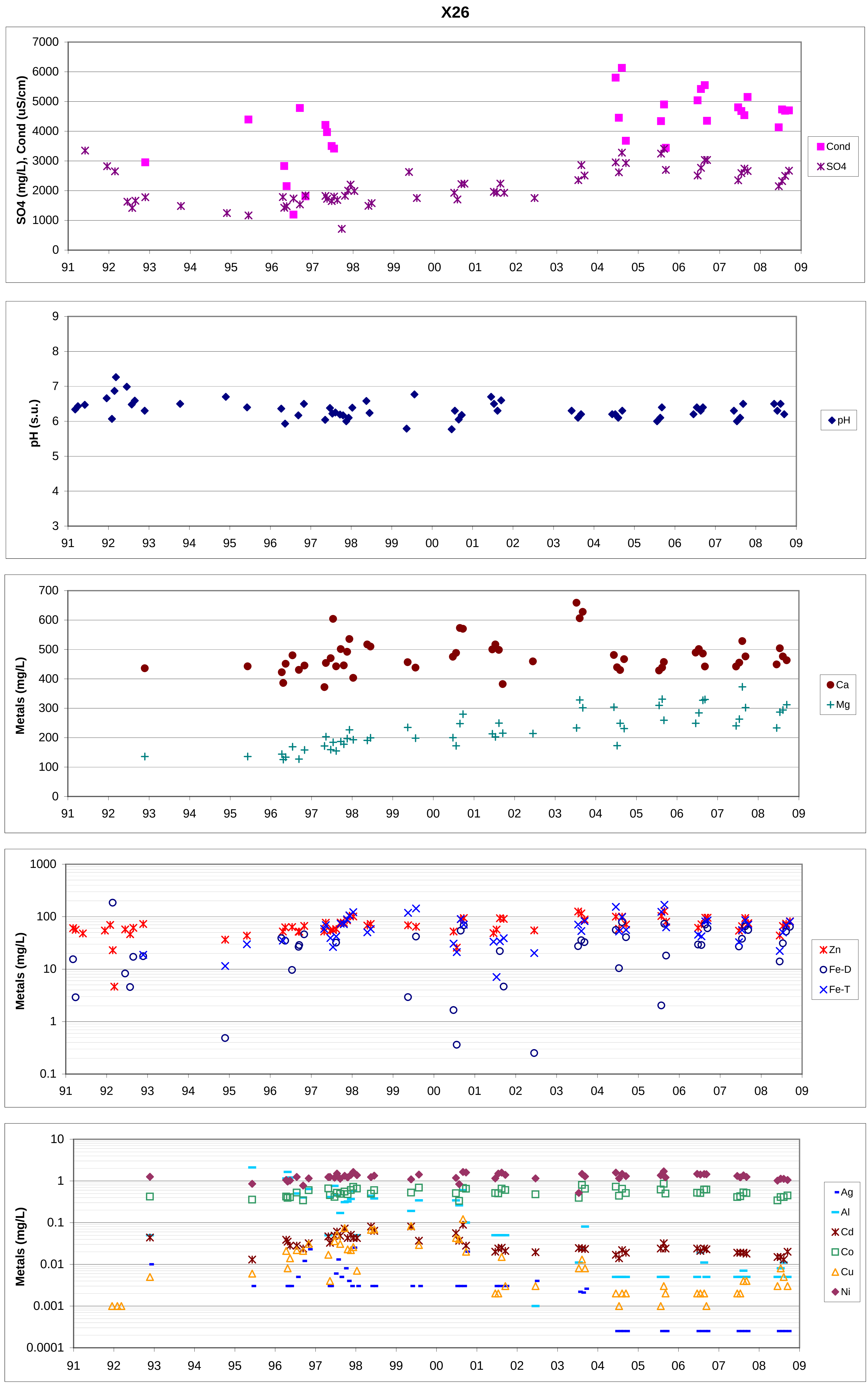
Anvil Range Mining Complex 2008 Waste Rock and Seepage Monitoring Report			
Faro Routine Monitoring Station X23			
PROJECT 1CD003.113	DATE December 2008	APPROVED MCC	FIGURE **8**



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2008 Waste Rock and Seepage Monitoring Report

Faro Routine Monitoring Station
X26

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	9

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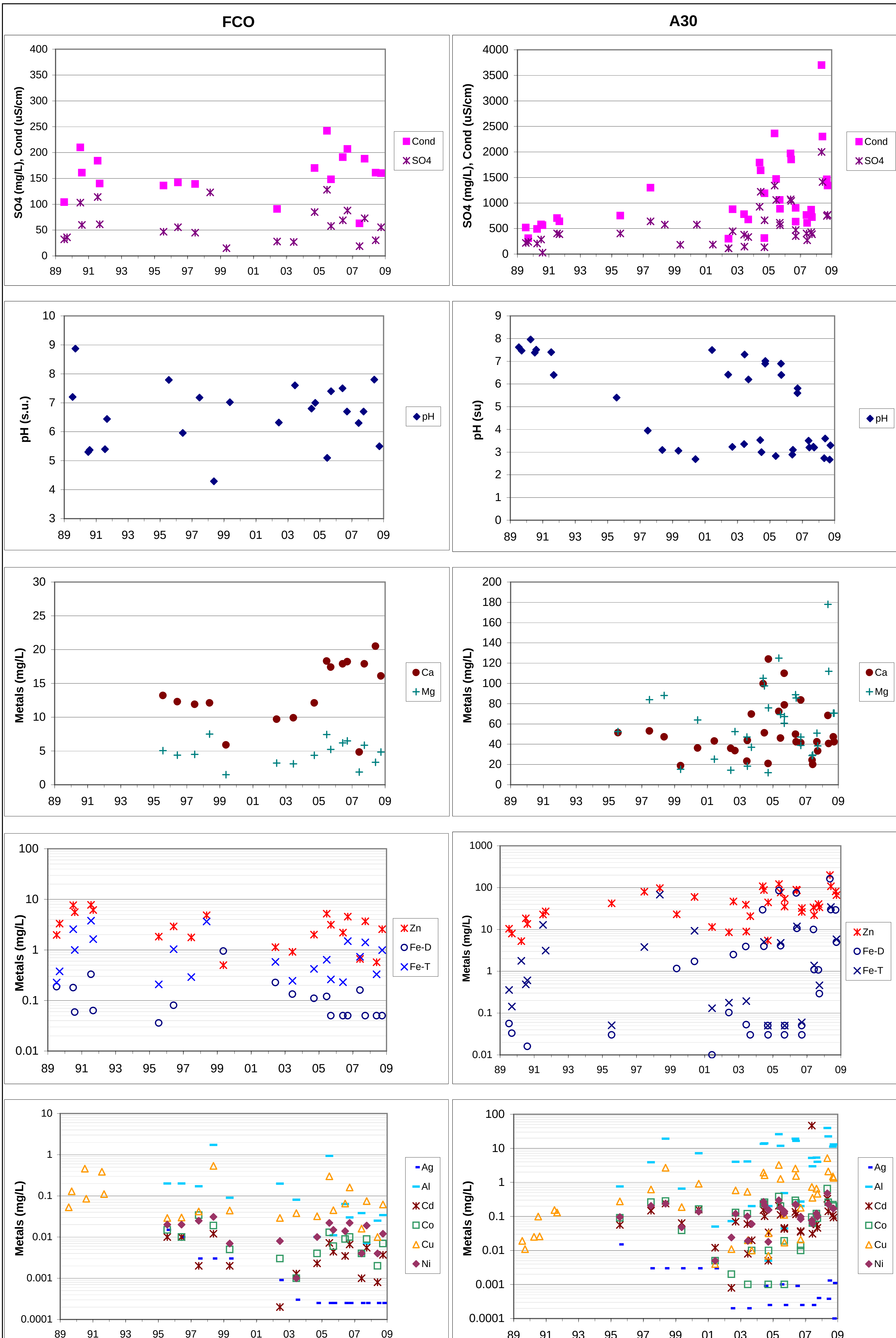
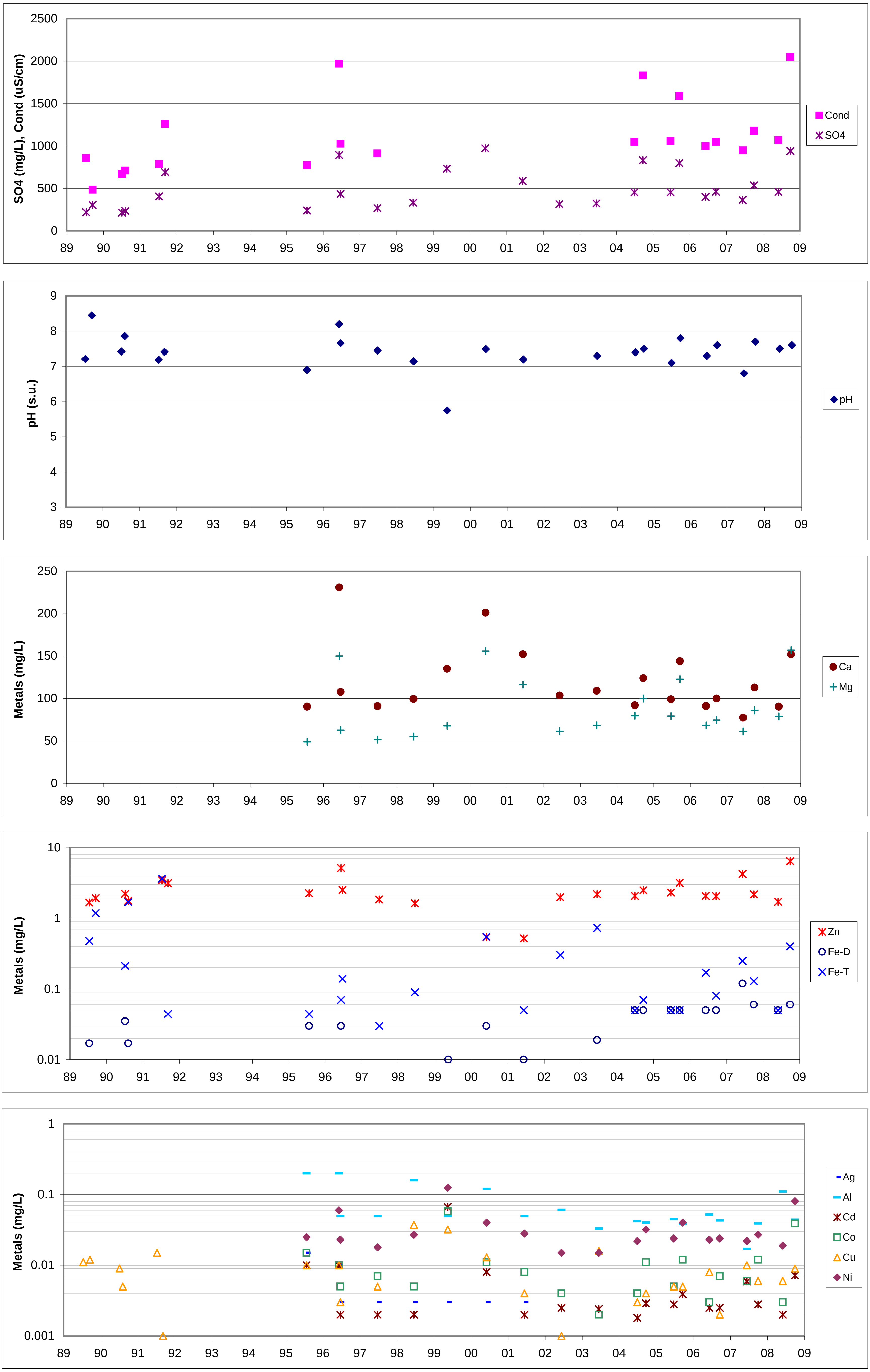


SRK Consulting Engineers and Scientists	Anvil Range Mining Complex 2008 Waste Rock and Seepage Monitoring Report
	Faro Routine Monitoring Stations FCO and A30
DELOITTE & TOUCHE INC.	PROJECT 1CD003.113 · DATE December 2008 · APPROVED MCC · FIGURE 10

Faro_Routine Graphs.2008

SP5-6



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2008 Waste Rock and Seepage Monitoring Report

Faro Routine Monitoring Station
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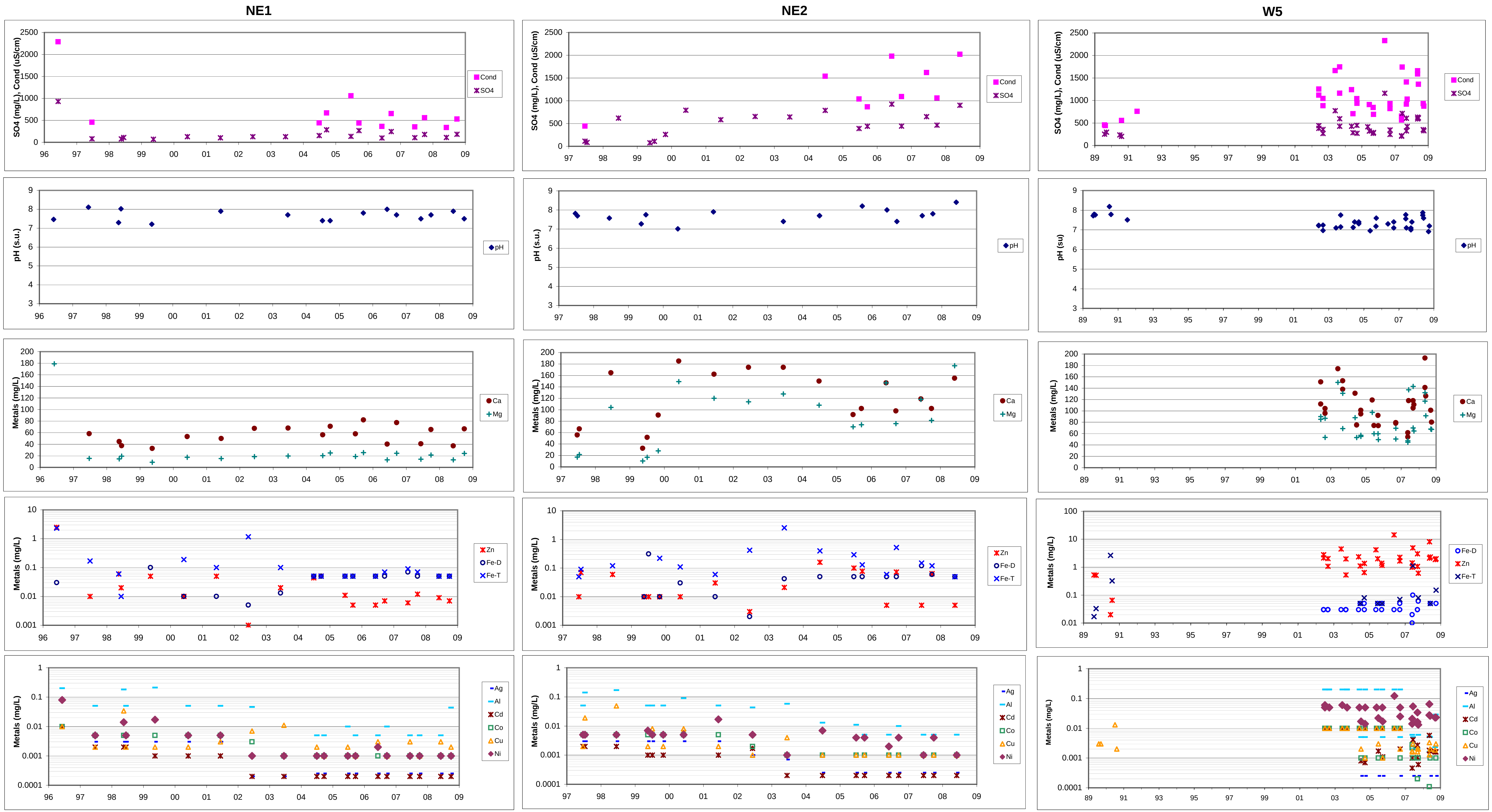
PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	11



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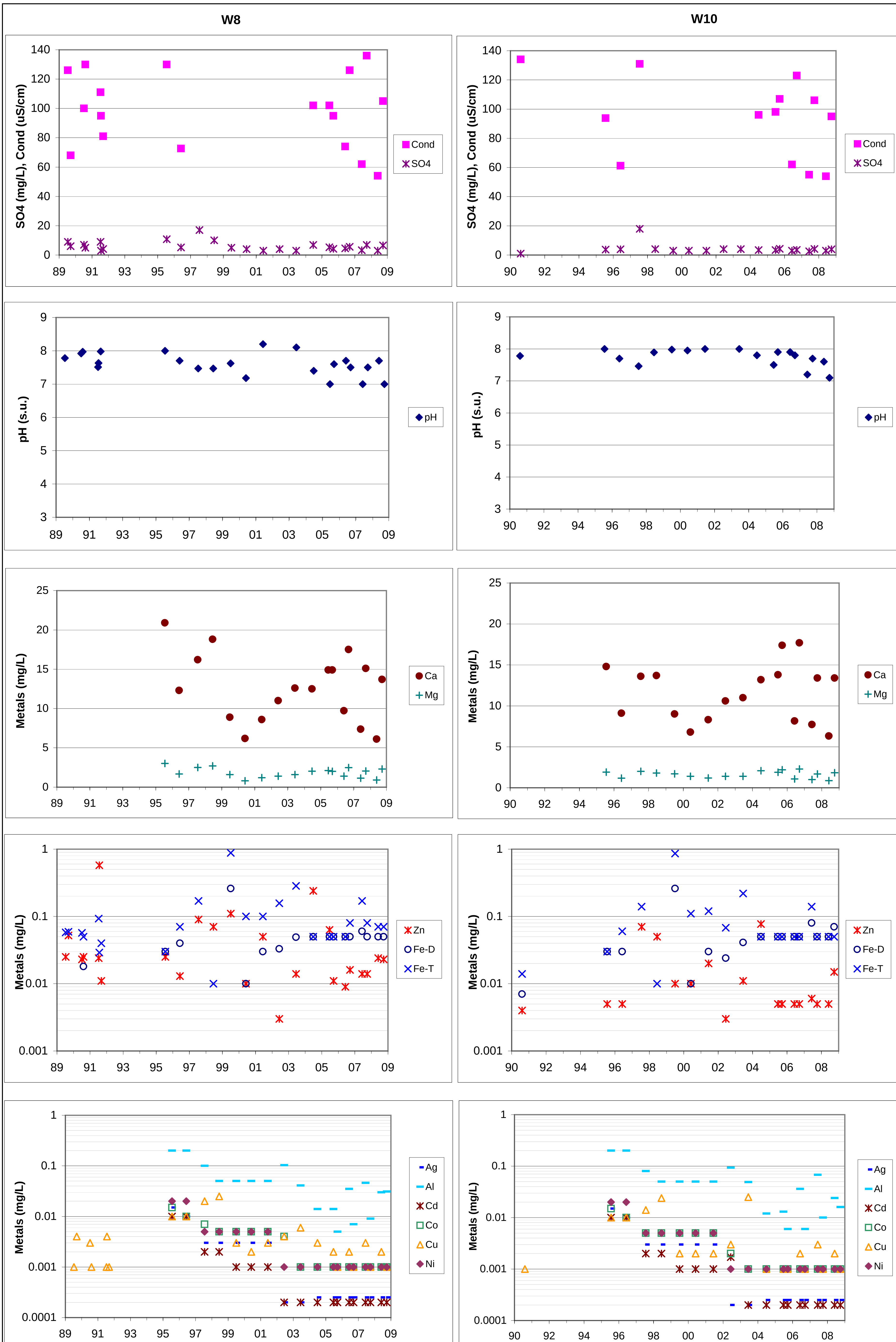
2008 Waste Rock and Seepage Monitoring Report

Faro Routine Monitoring Stations
NE1, NE2, and W5

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	12

Faro_Routine Graphs.2008



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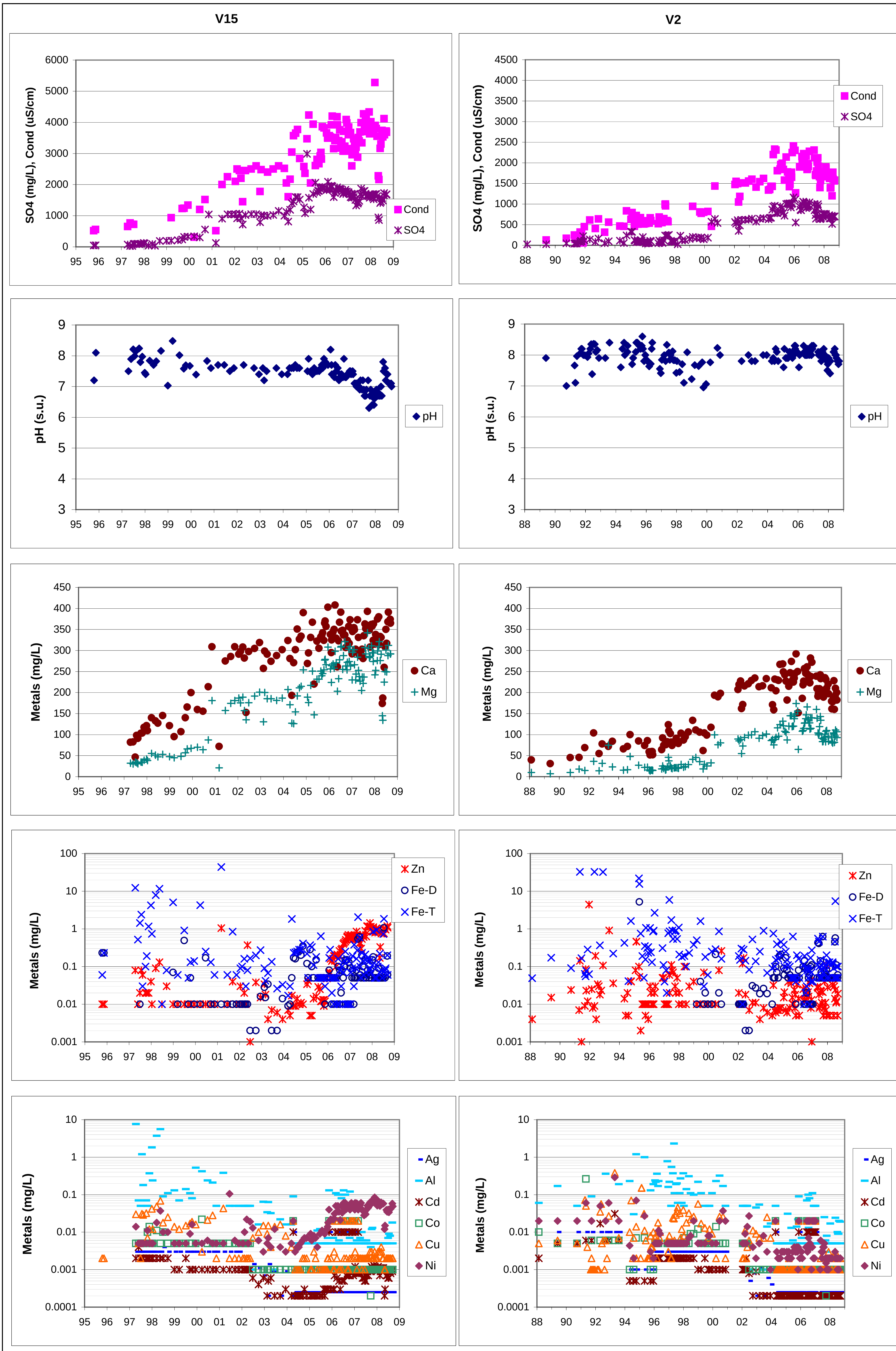
2008 Waste Rock and Seepage Monitoring Report

Faro Routine Monitoring Stations
W8 and W10

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	13

Faro_Routine Graphs.2008



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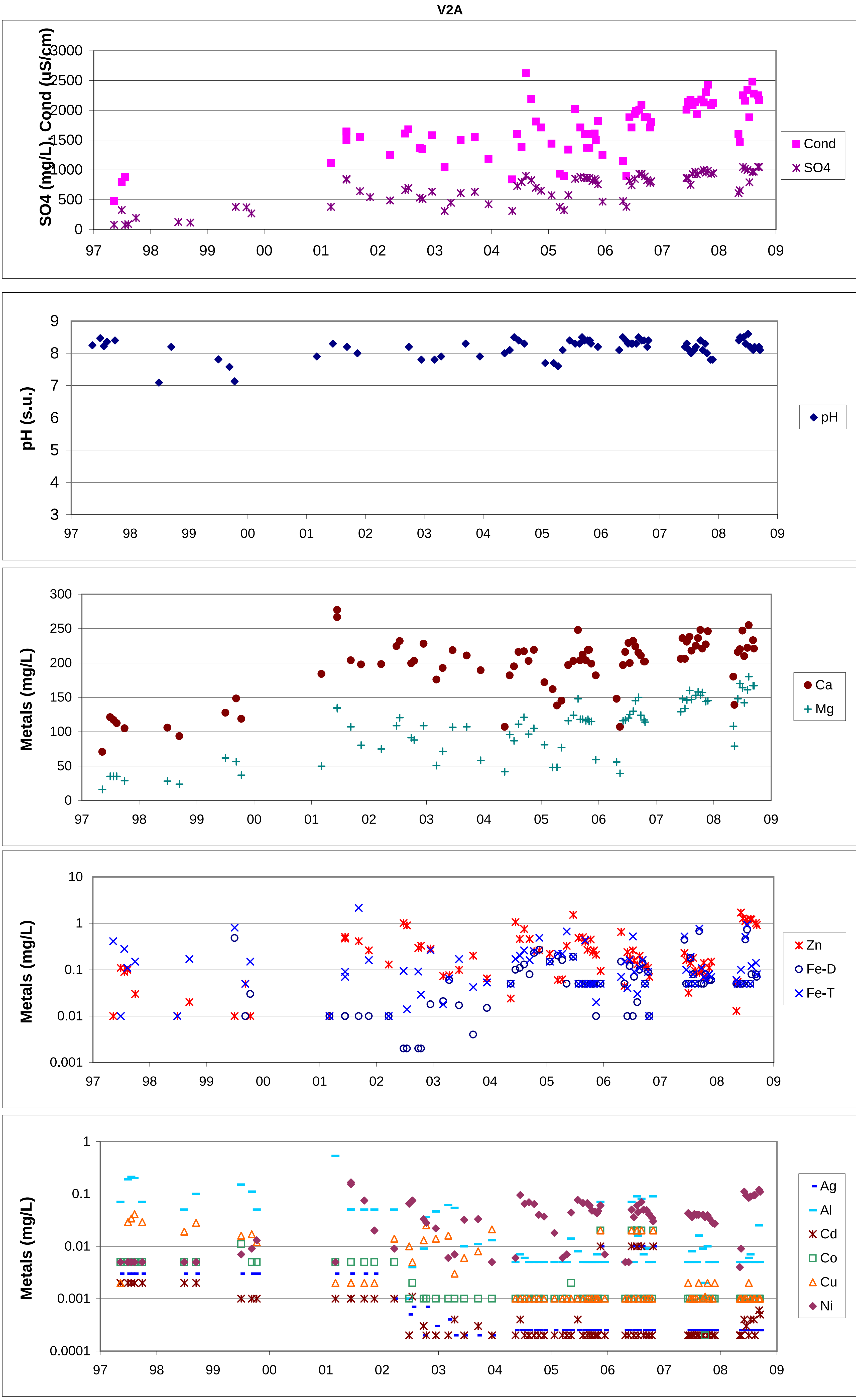
2008 Waste Rock and Seepage Monitoring Report

Grum Routine Monitoring Stations
V15 and V2

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	14



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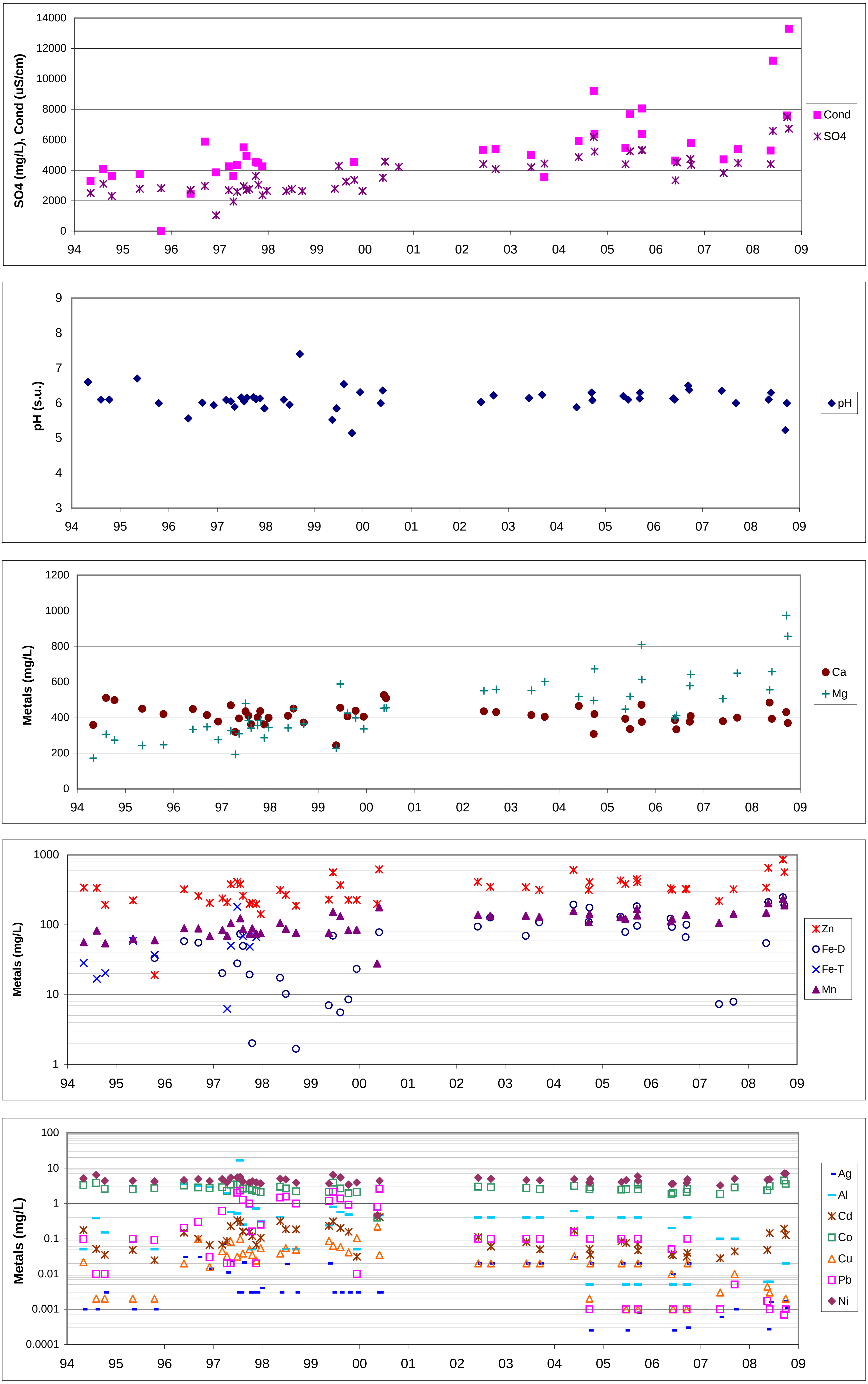
2008 Waste Rock and Seepage Monitoring Report

Grum Routine Monitoring Station
V2A

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	15

V30



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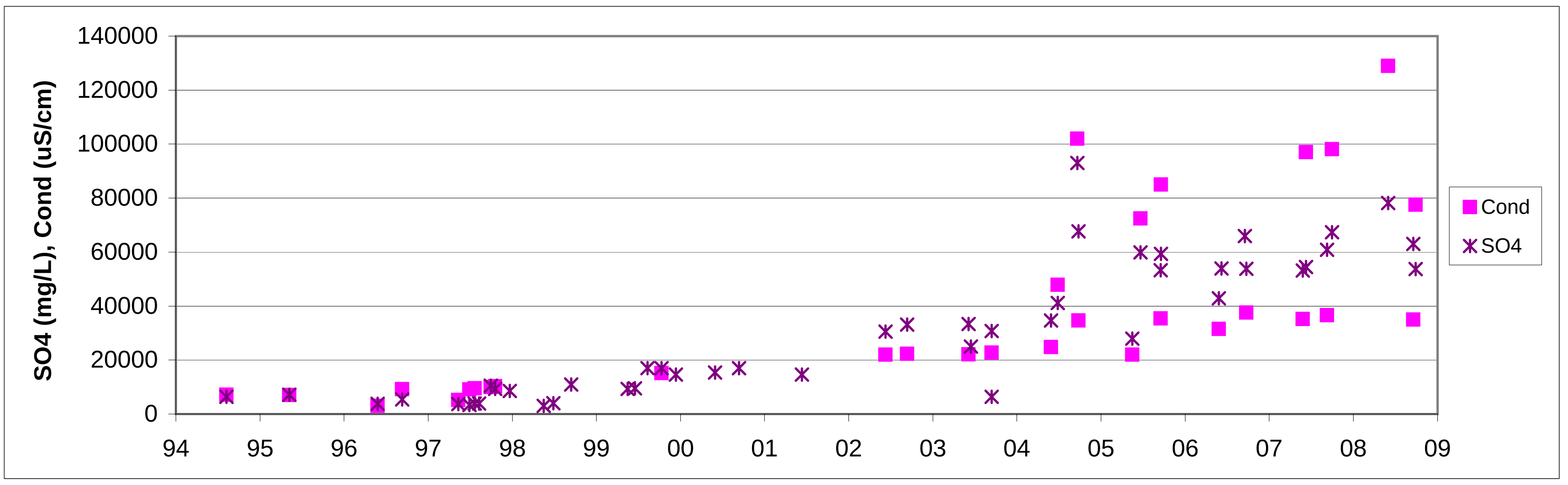
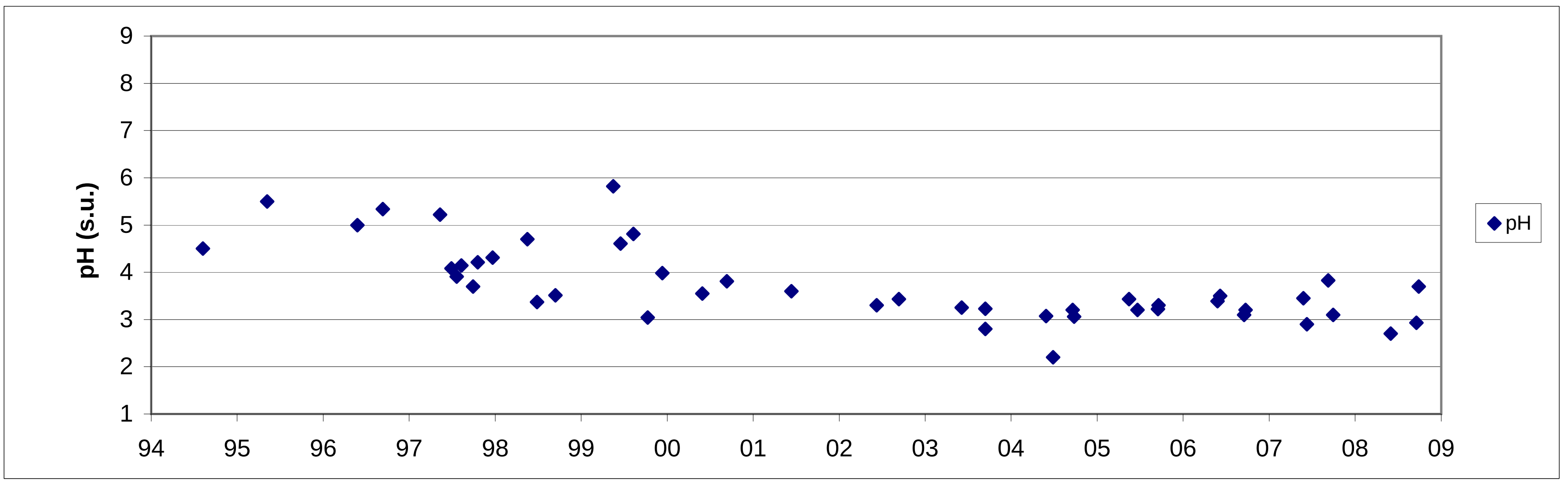
2008 Waste Rock and Seepage Monitoring Report

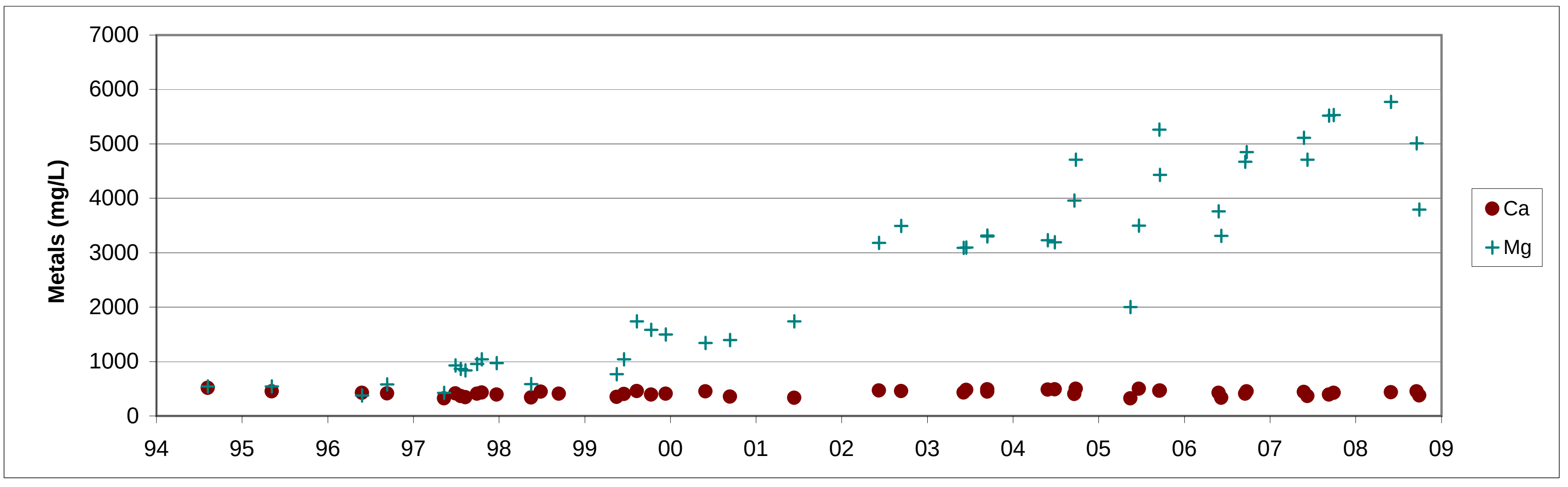
Vangorda Routine Monitoring Station
V30

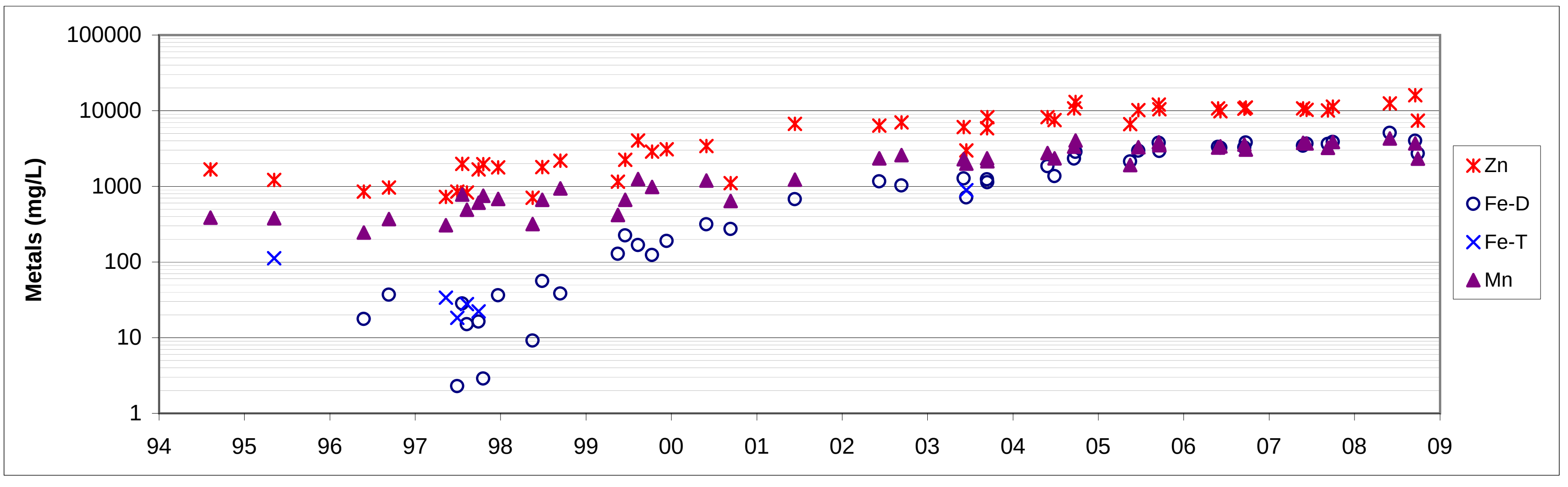
PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	16

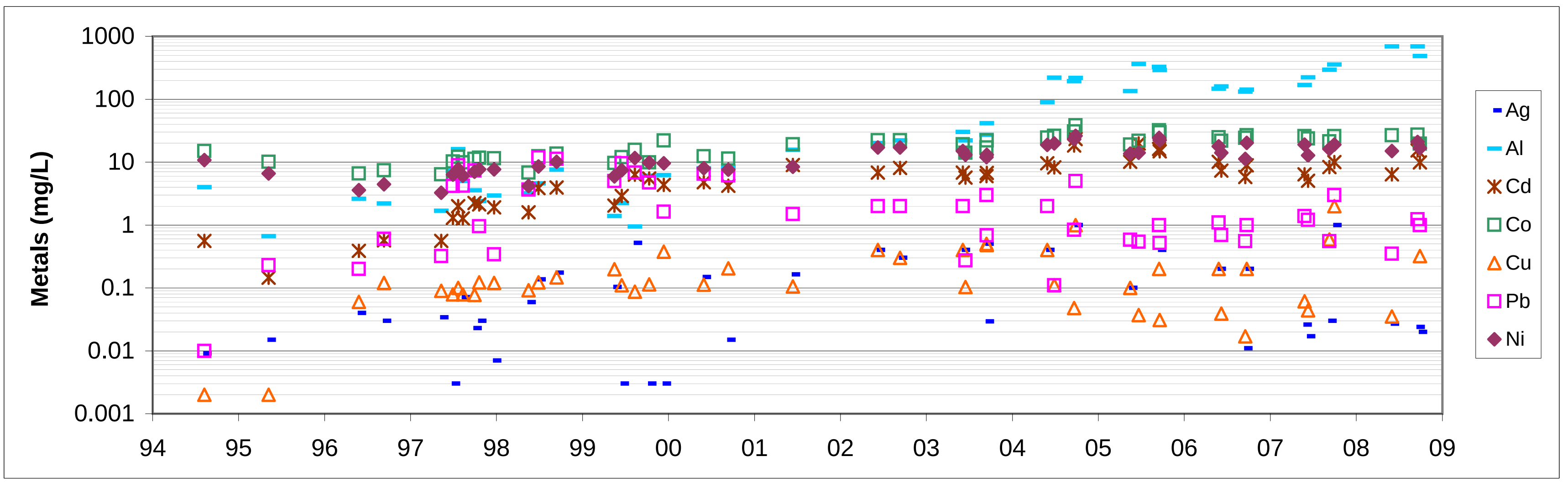
V32











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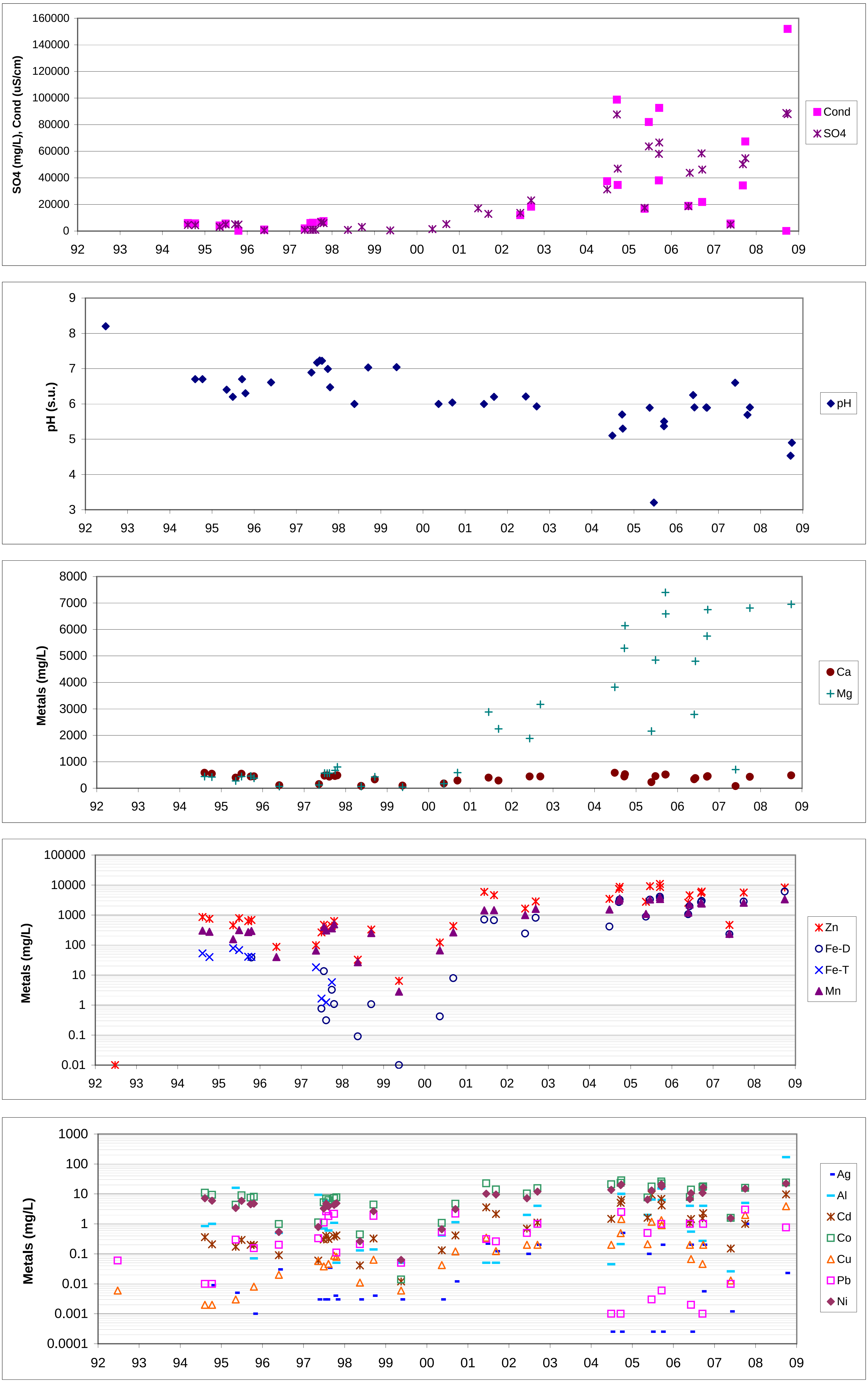
Anvil Range Mining Complex
2008 Waste Rock and Seepage Monitoring Report

Vangorda Routine Monitoring Station
V32

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	17

Vangorda_Routine Graphs.2008

V33



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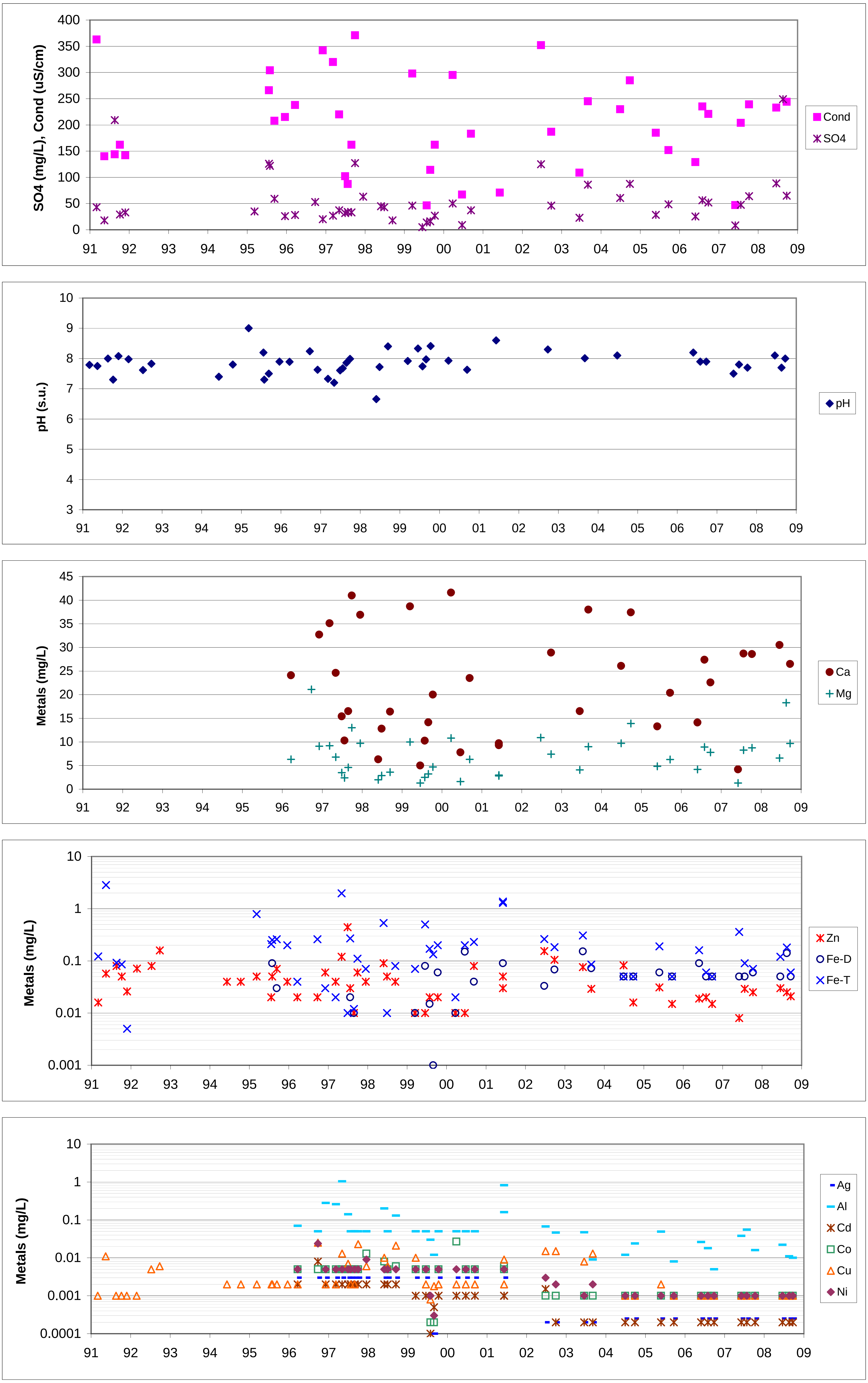
DELOITTE & TOUCHE INC.	Vangorda Routine Monitoring Station V33

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	18

V27



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Anvil Range Mining Complex
2008 Waste Rock and Seepage Monitoring Report

Vangorda Routine Monitoring Station
V27

PROJECT	DATE	APPROVED	FIGURE
1CD003.113	December 2008	MCC	19

Appendices

Appendix A
Waste Rock Seepage Monitoring Results

Sample ID	Date Sampled	pH (WTW)	Cond (uS/cm)	Temp (C)	ORP (mV)	Flow (L/min)	Cond (uS/cm)	Lab pH	Acidity (to pH 8.3) CaCO3	Alkalinity CaCO3	Cl	SO4	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca
	Min. detection level						2	0.01	1	0.5	0.5	0.5	0.002	0.0001	0.0002	0.01	0.00001	0.000005	0.01	0.00002	0.05
	Units	s.u.	uS/cm	0C	mV	L/min	uS/cm	s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK-FD01	6/10/2002	6.69	3670	13.2	139	6	3560	7.55	72	365	4.5	2220	<0.2	<0.2	<0.2	0.02	<0.005	<2	<0.1	0.02	543
SRK-FD01	9/11/2002	6.59	1900	4.2	212	0.5	1800	7.41	22	97	4.3	1070	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.02	272
SRK-FD01	6/4/2003	7.26	3340	13.2	198	-	3230	7.76	36	297	4.6	2260	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.02	492
SRK-FD01	9/13/2003	6.97	3180	3.4	312	30	3050	7.48	70	223	3.9	1960	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	0.05	463
SRK-FD01	5/31/2004	6.23	3580	1.9	355	200	3520	7.46	88.2	226	3.28	2410	0.24	<0.2	<0.2	0.031	<0.005	<0.2	<0.1	0.041	501
SRK-FD01	9/27/2004	6.93	3710	3	384	56	3560	7.4	67.4	252	<5	2370	<0.2	<0.2	<0.3	0.045	0.007	<0.2	<0.1	0.022	569
SRK-FD01	5/18/2005	6.48	3580	5.2	372	0.23	3440	7.50	96.9	220	<5.0	2420	0.31	<0.20	<0.20	0.034	<0.0050	<0.20	<0.10	0.045	508
SRK-FD01	9/16/2005	6.58	3780	3.4	374	45	3490	7.51	71.6	225	<5.0	2560	0.24	<0.20	<0.20	0.033	<0.0050	<0.20	<0.10	0.036	604
SRK-FD01	5/24/2006	6.93	2530	1.9	127	15	3920	6.85	121	235	3.3	2770	0.24	<0.2	<0.2	0.030	<0.005	<0.2	<0.1	0.041	519
SRK-FD01	9/21/2006	6.92	2520	2.4	110	30.5	3380	7.73	39.5	249	<10	2300	<0.20	<0.20	<0.20	0.033	<0.0050	<0.20	<0.10	0.016	434
SRK-FD01	5/29/2007	7.32	2540	3.3	205	50	5240	7.41	129	301	3.4	2810	0.03	0.0004	0.0017	0.032	<0.0002	<0.0002	<0.01	0.032	619
SRK-FD01	9/13/2007	7.13	3320	3.7	51	60	3130	7.66	61.1	233	<50	2110	0.117	<0.001	<0.001	0.032	<0.005	<0.005	<0.1	0.021	469
SRK-FD01	5/14/2008	6.65	2700	3.6	135	200	2600	7.20	161.0	088	2.5	1600	0.381	0.0003	0.001	0.033	0.00027	<0.00003	<0.3	0.073	342
SRK-FD01	9/16/2008	6.68	2961	2.9	138	60	3700	7.30	184.0	200	2.1	2895	0.362	0.0003	0.0003	0.031	0.0002	<0.00005	<0.5	0.074	522
SRK-FD02	6/10/2002	7.88	1558	1.6	248	20	1520	8.2	4	165	1.2	704	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	248
SRK-FD02B	9/13/2003	7.55	1320	5.9	421	Trace	1230	8	14	155	0.9	597	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	0.01	223
SRK-FD04	6/10/2002	2.32	23500	17.3	460	No Flow	22600	2.33	39900	<1	240	43300	857	<8	87	<0.4	<0.2	<10	<4	14.4	504
SRK-FD04	9/11/2002	2.54	7350	6.2	460	ponded	6370	2.7	5780	<1	78	7490	137	<1	9	<0.05	<0.03	<1	<0.5	1.68	160
SRK-FD04	9/13/2003	2.39	34400	5	600	None	32300	2.38	49500	<1	1050	59000	986	<10	17	<0.5	<0.3	<10	<5	15.5	398
SRK-FD04B	6/6/2003	2.24	22000	15.6	613	0	21900	2.4	28700	<1	<0.5	32300	27	<10	<10	<0.5	<0.3	<10	<5	7	449
SRK-FD05	6/12/2002	7.23	1252	1.2	317	10	1240	7.87	16	215	2.4	440	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	151
SRK-FD05	9/10/2002	6.97	882	1.9	225	60	875	7.65	18	172	1.3	266	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	<0.01	104
SRK-FD05B	6/5/2003	7.1	1664	1.3	473	Abundant	1590	7.72	17	241	2	774	<0.2	<0.2	<0.2	0.04	<0.005	<0.2	<0.1	<0.01	174
SRK-FD05C	9/12/2003	7.75	1161	8.8	361	30	1150	8.2	3	190	1.9	427	<0.2	<0.2	<0.2	0.04	<0.005	<0.2	<0.1	<0.01	153
SRK-FD05	5/27/2004	7.12	1239	1.4	349	30	1270	7.89	11.7	228	1.72	428	<0.2	<0.2	<0.2	0.039	<0.005	<0.2	<0.1	<0.01	131
SRK-FD05	9/24/2004	7.31	935	3.4	307	82	885	8.02	3.8	203	<2.5	270	<0.2	<0.2	<0.2	0.024	<0.005	<0.2	<0.1	<0.01	94.6
SRK-FD05	5/18/2005	6.95		2.6		120	1160	7.81	8.5	220	0.98	416	<0.20	<0.20	<0.20	0.035	<0.0050	<0.20	<0.10	<0.010	119
SRK-FD05	9/13/2005	7.18	844	5.6	352	26	810	7.92	5.3	168	0.76	270	<0.20	<0.20	<0.20	0.024	<0.0050	<0.20	<0.10	<0.010	92.1
SRK-FD05	9/20/2006	7.1	818	2.4	309	35.5	799	7.94	4.6	179	0.76	246	<0.20	<0.20	<0.20	0.022	<0.0050	<0.20	<0.10	<0.010	79.3
SRK-FD05B	5/28/2007	7.56	653	1.1	273	trace	610	7.46	8	106	0.75	217	0.006	<0.0002	0.0004	0.028	<0.0002	<0.0002	<0.01	0.00046	61.4
SRK-FD05	9/13/2007	7.09	920	3.7	87	10	911	6.94	21.3	174	0.95	324	0.0021	<0.0002	<0.0002	0.0265	<0.001	<0.001	<0.02	0.00104	105
SRK-FD05	5/16/2008	7.87	1660	2.1	132	15	1500	8.2	3.9	220	1.9	630	0.0053	0.00011	0.00016	0.0411	<0.00001	<0.000005	<0.05	0.00181	193
SRK-FD05	9/14/2008	6.91	931	3.3	222	60	910	8.2	8.4	170	1.1	351	0.0023	0.00013	0.00016	0.0231	<0.00001	<0.000005	<0.05	0.00161	101
SRK-FD06	6/12/2002	7.21	1118	1.5	217	10	1110	7.97	12	209	2.4	382	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	<0.01	112
SRK-FD06B	9/10/2002	7.24	1045	2.2	324	240	1020	7.85	14	191	1.1	355	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	<0.01	95.7
SRK-FD06C	9/12/2003	7.15	1745	2	412	120	1410	8.1	7	211	2.1	593	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	138
SRK-FD06B	5/24/2006	7.3	2330	0.3	159	trace	2330	7.7	30.7	322	<2.5	1160	<0.2	<0.2	<0.2	0.054	<0.005	<0.2	<0.1	<0.01	201
SRK-FD06	5/28/2007	7.77	567	1	28	trickle	557	7.51	4	84.6	0.62	207	0.002	<0.0002	0.0005	0.015	<0.0002	<0.0002	<0.01	0.001	54
SRK-FD06	9/13/2007	7	1410	4.1	98	5	1390	7.71	12.1	218	1.31	605	<0.002	<0.0002	<0.0002	0.02	<0.001	<0.001	<0.02	0.0027	118
SRK-FD06	5/16/2008	7.74	1590	2	100	10	1500	8.1	7.5	250	1.3	590	0.0016	0.00016	0.00025	0.0357	0.00001	<0.000005	<0.05	0.00573	141
SRK-FD07	6/12/2002	7.31	1050	2.4	260	No Flow	1020	7.89	13	125	0.8	484	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	<0.01	97.8
SRK-FD08	6/12/2002	5.76	2560	8.9	188	No Flow	1540	7.32	24	22	0.8	995	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	<0.01	166
SRK-FD09	6/12/2002	6.98	2560	5.9	235	No Flow	2450	7.12	61	54	1.8	1710	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.01	216
SRK-FD10	6/12/2002	6.17	5720	4.9	87	80	5440	6.36	434	350	17.5	4380	<0.2	<0.2	<0.2	0.02	<0.005	<0.3	<0.1	0.05	538
SRK-FD10	9/10/2002	6.25	7780	5.3	145	300	5440	6.58	578	319	17.5	4600	<0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.02	552
SRK-FD12	6/12/2002	6.42	5760	5.5	81	2.4	5560	6.98	420	338	15	4480	<0.2	<0.2	<0.2	0.02	<0.005	<0.3	<0.1	0.16	542
SRK-FD12	9/10/2002	6.24	5740	5.2	173	120	5400	6.91	519	320	14.4	4220	<0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.08	563
SRK-FD12	5/18/2005	6.05	7320	7.4	295		7060	6.18	813	112	19	6280	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.255	485
SRK-FD12	9/13/2005	6.68	7010	9	293		6310	6.35	755	160	15	5640	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.106	457
SRK-FD12	5/25/2006	5.76	6920	6.3	277	diffuse	6630	6.40	895	310	3.07	5540	0.78	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.324	473
SRK-FD12	9/24/2006	6.38	6550	6.5		4	6110	6.95	490	202	<25	4930	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.045	477
SRK-FD12	5/29/2007	6.5	6540	4.6	212	2	7340	6.43	770	218	18	5320	0.002	<0.0002	0.0014	0.014	<0.0002	<0.0002	<0.01	0.05883	495
SRK-FD12	9/14/2007	6.16	6300	4.6	38	1.5	5920	7	413	311	<50	5000	<0.05	<0.005	<0.005	0.0156	<0.025	<0.025	<0.5	0.0435	473
SRK-FD12	5/14/2008	6.1	6400	5.6	86	5	6100	6.6	1080	81	9.8	5300	0.092	<0.0002	0.0021	0.0215	0.0011	<0.00005	<0.5	0.645	463
SRK-FD12	9/14/2008	5.67	>3999	7.3	107	15	7200	6.2	1790	88	8	7170	0.037	<0.002	<0.002	0.019	<0.001	<0.0005	<5	0.214	531
SRK-FD13	6/12/2002	3.23	5670	15.5	382	-1	5460	3.36	1720	<1	0.7	4780	21.7	<0.6	<0.6	<0.03	0.02	<0.9	<0.3	0.85	299
SRK-FD13	9/12/2002	4.52	2990	8.1	400	slight	2960	4.72	200	12	<0.5	2090	0.3	<0.2	<0.2	<0.01	<0.005	<0.6	<0.1	0.1	268
SRK-FD13	6/5/2003	5.91	2820	12.8	477	0	2710	6.93	177	21	<0.5	2290	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.12	277
SRK-FD13	5/26/2004	not recorded	5370	not recorded	638	4	5170	2.83	2760	<1	1.15	4500	40.7	<1	<1	<0.05	<0.025	<1	<0.5	0.967	104
SRK-FD13	5/16/2005	3.84	1278	5	508	4	1560	3.52	179	<2.0	<5.0	860	3.05	<0.20	<0.20	0.015	<0.0050	<0.20	<0.10	0.114	96.7
SRK-FD13	9/15/2005	3.75	4390	11.5	626	Trace	4150	3.96	122	6.9	<5.0	3160	1.10	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	0.059	303
SRK-FD13	5/24/2006	3.98	1699	0.6	312	2	1820	3.68	353	<2	<2.5	1130	2.59	<0.2	<0.2	0.015	<0.005	<0.2	<0.1	0.170	85.4
SRK-FD13	5/28/2007	4.8	2440	4.7	474	trace	3650	3.60	590	<0.5	<2	2420	5.90	<0.001	0.003	0.007	0.007	<0.001	<0.05	0.317	174.0
SRK-FD13	9/10/2007	7.59	2590	5.3	400	20	3070	3.51	476	<2	<50	2300	7.52	<0.01	<0.01	0.011	<0.05	<0.05	<1	0.227	212.0
SRK-FD13	5/14/2008	2.6	18800	3	436	4	17000	2.50	19800	<0.5	48	19000	405.00	0.009	3.53	0.030	0.21	0.0003	<3	5.550	383.0
SRK-FD13	9/14/2008	2.08	>3999	5.8	403	2.5	18000	2.70	18100	<0.5	8	27930	271.00	<0.01	0.62	0.025	0.109	<0.003	<30	4.220	411.0
SRK-FD14	6/12/2002	8.14	2740	15.3	241	-1	2860	7.7	24	112	1.3	2260	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	<0.01	223
SRK-FD14	9/12/2002	7.78	3400	9.4	275	3	3360	8.23	8	137	<0.5	2470	<0.2	<0.2	<0.2	<0.01	<0.005	<0.8	<0.1	<0.01	263
SRK-FD14B	6/6/2003	6.92	1499	8.8	643	0.6	2030	7.7	15	85	<0.5	1420	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	0.02	146
SRK-FD14	5/26/2004	7.13	1090	12	395	1.75	1100	8.08	3	76.1	<0.5	513	<0.2	<0.2	<0.2	0.018	<0.005	<0.2	<0.1	<0.01	71.5
SRK-FD14	5/16/2005	7.69	2250	9.5	336	1.9	2250	7.93	5.0	117	<5.0	1360	<0.20	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	<0.010	165
SRK-FD14	9/15/2005	7.05	2530	6.2	597	Trace	2850	7.89	7.0	147	<5.0	1800	<0.20	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	<0.010	207
SRK-FD14	5/24/2006	6.55	1876	11.2	156	trace	1830	7.64	9.5	118	<2.5	1040	<0.2	<0.2	<0.2	0.010	<0.005	<0.2	<0.1	<0.01	152
SRK-FD14	9/14/2007	6.02	2580	4.7	297	trace	2530	8	8.4	163	<0.5	1450	0.0036	0.00065	0.0007	0.00605	<0.001	<0.001	<0.02	0.00529	186
SRK-FD14	5/17/2008	8	1310	10.4	49	0.5	1200	7.6	2.6	40	<0.5	610	0.0161	0.00034	0.00014	0.0155	0.00019	<0.000005	<0.05	0.00491	91.4
SRK-FD14	9/14/2008	7.38	3644	6.5	191	1	3500	8	8.2	130	0.5	2667	0.003	0.0007	0.0005	0.0055	0.00011	<0.00003	<0.3	0.00996	279

Sample ID	Date Sampled	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr	Water Type
	Min. detection level	0.0001	0.00003	0.0005	0.0002	0.0002	0.003	0.1	0.005	0.00005	0.00002	0.03	0.05	0.0002	0.05	0.000005	2	0.3	0.0001	0.00001	0.0002	0.000002	0.0002	0.005	0.0001	
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
SRK-FD01	6/10/2002	<0.01	0.02	<0.01	0.36	0.23	0.03	244	3.41	<0.03	0.08	<0.3	11	<0.2	5.91	<0.01	30	2.86	<0.2	<0.03	<0.04		<0.03	34.6		2
SRK-FD01	9/11/2002	<0.01	0.02	<0.01	0.38	0.07	0.02	87.4	2.06	<0.03	0.05	<0.3	6	<0.2	2.94	<0.01	17	1.11	<0.2	<0.03	<0.01		<0.03	13.6		2
SRK-FD01	6/4/2003	<0.01	0.03	<0.01	5.02	<0.05	0.02	241	3.94	<0.03	0.06	<0.3	10	<0.2	5.46	<0.01	25	2.35	<0.2	<0.03	<0.01		<0.03	21.9		2
SRK-FD01	9/13/2003	<0.01	0.03	0.03	2.53	0.06	0.03	214	3.09	<0.03	0.08	<0.3	7	<0.2	4.6	<0.01	28	2.27	<0.2	<0.03	<0.01		<0.03	36.8		2
SRK-FD01	5/31/2004	<0.01	0.038	0.054	2.8	<0.05	0.043	248	3.34	<0.03	0.119	<0.3	8.1	<0.2	5.11	<0.01	26.7	2.73	<0.3	<0.03	<0.01		<0.03	57.8		2
SRK-FD01	9/27/2004	<0.01	0.015	0.02	6.29	<0.05	0.024	287	1.95	<0.03	0.088	<0.3	8.6	<0.2	5.5	<0.02	29.9	2.93	<0.2	<0.03	<0.01		<0.03	35.1		2
SRK-FD01	5/18/2005	<0.010	0.036	0.069	4.77	<0.050	0.035	281	3.70	<0.030	0.103	<0.30	9.7	<0.20	5.30	<0.010	34.2	2.76	<0.20	<0.030	<0.010		<0.030	60.8		2
SRK-FD01	9/16/2005	<0.010	0.037	0.027	8.30	<0.050	0.017	317	2.35	<0.030	0.126	<0.30	6.4	<0.20	5.86	<0.010	23.1	2.11	<0.20	<0.030	<0.010		<0.060	43.8		2
SRK-FD01	5/24/2006	<0.01	0.042	0.061	6.60	<0.05	0.029	318	4.19	<0.03	0.126	<0.3	9.1	<0.2	4.67	<0.01	26.7	2.77	<0.2	<0.03	<0.01		<0.03	69.2		2
SRK-FD01	9/21/2006	<0.010	0.020	0.013	5.86	<0.050	0.027	245	1.15	<0.030	0.077	<0.30	6.6	<0.20	4.50	<0.010	29.9	2.03	<0.20	<0.10	<0.010		<0.030	22.0		2
SRK-FD01	5/29/2007	<0.0002	0.030	0.024	4.73	0.021	0.030	373	3.47	0.0008	0.109	<0.03	9.1	0.0049	6.02	0.00012	25.0	3.47	0.0005	<0.0002	0.0004		<0.0002	54.9		2
SRK-FD01	9/13/2007	<0.005	0.023	0.021	5.22	0.00618	<0.05	259	1.50	<0.0005	0.098	<0.3	7.9	<0.01	5.22	<0.0001	34.2	2.46	<0.001	<0.001	0.011		<0.01	30.4		2
SRK-FD01	5/14/2008	<0.0005	0.074	0.120	7.07	0.0504	0.036	179	4.45	0.0003	0.151		5.73	0.001	4.36	0.00006	18.7	1.81	0.00051	<0.00005	<0.003	0.00449	<0.001	74.7	<0.0005	2
SRK-FD01	9/16/2008	<0.001	0.065	0.084	12.80	0.00261	0.040	323	5.02	<0.0005	0.179		8.45	0.003	5.28	0.00019	33.3	2.59	0.00051	<0.0001	<0.005	0.00725	<0.002	99.5	<0.001	2
SRK-FD02	6/10/2002	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	40.5	0.028	<0.03	<0.05	<0.3	5	<0.2	4.5	<0.01	96	1.4	<0.2	<0.03	<0.01		<0.03	0.166		1
SRK-FD02B	9/13/2003	<0.01	<0.01	0.01	<0.03	0.15	0.01	26.8	0.422	<0.03	<0.05	<0.3	4	<0.2	3.92	<0.01	28	0.927	<0.2	<0.03	<0.01		<0.03	5.27		1
SRK-FD04	6/10/2002	1.1	9.8	559	9170	<2	0.8	1000	811	<2	6	<20	<80	<8	82	<0.6	<80	0.5	<20	<2	<0.4		<2	9210		3
SRK-FD04	9/11/2002	0.22	1.38	55.4	1420	<0.3	0.2	190	125	<0.2	0.8	<2	<10	<1	16.4	<0.05	<10	0.22	<1	<0.2	<0.05		<0.2	1230		3
SRK-FD04	9/13/2003	0.9	11.3	132	15100	<3	1.3	2220	448	<2	9	22	<100	<10	39	<0.5	<100	<0.3	<10	<2	<0.5		<2	10900		3
SRK-FD04B	6/6/2003	<0.5	20	<0.5	1300	<3	<0.5	3210	2360	<2	15	<20	<100	<10	23	<0.5	<100	0.9	<10	<2	<0.5		<2	6380		3
SRK-FD05	6/12/2002	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	90	0.057	<0.03	0.06	<0.3	5	<0.2	5.74	<0.01	8	0.64	<0.2	<0.03	<0.01		<0.03	2.15		1
SRK-FD05	9/10/2002	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	53.4	<0.005	<0.03	<0.05	<0.3	3	<0.2	5.29	<0.01	5	0.439	<0.2	<0.03	<0.01		<0.03	1.08		1
SRK-FD05B	6/5/2003	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	150	0.193	<0.03	0.06	<0.3	5	<0.2	5.48	<0.01	9	0.734	<0.2	<0.03	<0.01		<0.03	4.51		1
SRK-FD05C	9/12/2003	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	68.9	<0.005	<0.03	<0.05	<0.3	3	<0.2	5.29	<0.01	7	0.701	<0.2	<0.03	<0.01		<0.03	0.526		1
SRK-FD05	5/27/2004	<0.01	<0.01	<0.01	<0.03	<0.05	0.037	87.9	0.438	<0.03	<0.05	<0.3	4.2	<0.2	5.22	<0.01	6.7	0.571	<0.2	<0.03	<0.01		<0.03	2.33		1
SRK-FD05	9/24/2004	<0.01	<0.01	<0.01	<0.03	<0.05	0.018	57	<0.005	<0.03	<0.05	<0.3	4.3	<0.2	5.57	<0.01	5	0.418	<0.2	<0.03	<0.01		<0.03	1.36		1
SRK-FD05	5/18/2005	<0.010	<0.010	<0.010	<0.030	<0.050	0.022	97.3	<0.0050	<0.030	<0.050	<0.30	3.3	<0.20	5.11	<0.010	5.4	0.447	<0.20	<0.030	<0.010		<0.030	4.21		1
SRK-FD05	9/13/2005	<0.010	<0.010	<0.010	<0.030	<0.050	0.023	59.8	<0.0050	<0.030	<0.050	<0.30	2.5	<0.20	4.86	<0.010	4.4	0.368	<0.20	<0.030	<0.010		<0.030	1.38		1
SRK-FD05	9/20/2006	<0.010	<0.010	<0.010	<0.030	<0.050	0.017	50.4	<0.0050	<0.030	<0.050	<0.30	2.3	<0.20	4.65	<0.010	4.0	0.317	<0.20	<0.030	<0.010		<0.030	1.66		1
SRK-FD05B	5/28/2007	<0.0002	0.0028	0.0017	0.02	0.0003	0.016	47.5	0.493	0.0003	0.021	<0.03	2.89	0.0007	2.64	<0.00005	3.39	0.267	0.00008	<0.0002	<0.0002		<0.0002	0.99		1
SRK-FD05	9/13/2007	<0.001	<0.0002	0.00162	<0.03	0.00017	0.019	69.9	0.00029	0.00013	0.0163	<0.3	3.2	<0.002	5.49	<0.00002	5.7	0.405	<0.0002	<0.0002	<0.01		<0.002	1.06		1
SRK-FD05	5/16/2008	<0.0001	0.000109	0.00129	0.006	0.000061	0.0269	117	0.00768	0.00023	0.0274		4.46	0.0025	6.31	<0.000005	6.74	0.747	0.000079	<0.00001	<0.0005	0.0106	<0.0002	2.1	<0.0001	1
SRK-FD05	9/14/2008	<0.0001	0.000056	0.00187	0.002	0.000074	0.0221	67.9	0.00038	0.00013	0.0229		3.35	0.00166	5.61	<0.000005	4.99	0.395	0.000111	<0.00001	<0.0005	0.0056	<0.0002	1.88	<0.0001	1
SRK-FD06	6/12/2002	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	85.3	0.036	<0.03	<0.05	<0.3	4	<0.2	5.3	<0.01	7	0.466	<0.2	<0.03	<0.01		<0.03	2.79		1
SRK-FD06B	9/10/2002	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	86.9	<0.005	<0.03	<0.05	<0.3	3	<0.2	5.37	<0.01	5	0.42	<0.2	<0.03	<0.01		<0.03	2.04		1
SRK-FD06C	9/12/2003	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	131	<0.005	<0.03	<0.05	<0.3	4	<0.2	5.45	<0.01	7	0.637	<0.2	<0.03	<0.01		<0.03	1.98		1
SRK-FD06B	5/24/2006	<0.01	<0.01	<0.01	<0.03	<0.05	0.033	213	0.0193	<0.03	0.121	<0.3	5.2	<0.2	5.43	<0.01	9	0.837	<0.2	<0.03	<0.01		<0.03	14.4		1
SRK-FD06	5/28/2007	<0.0002	0.0022	0.0016	0.01	0.0003	0.008	44.9	0.42	0.0002	0.014	<0.03	2.19	0.0005	1.72	<0.00005	2.16	0.214	0.0001	<0.0002	<0.0002		<0.0002	1.41		1
SRK-FD06	9/13/2007	<0.001	<0.0002	0.00209	<0.03	0.00024	0.025	143	0.00015	<0.0001	0.034	<0.3	3.8	<0.002	5.77	<0.00002	7	0.518	<0.0002	<0.0002	<0.01		<0.002	3.01		1
SRK-FD06	5/16/2008	<0.0001	0.000075	0.00331	0.002	0.000312	0.0309	132	0.00055	0.0001	0.0649		4.58	0.00176	6.81	0.000007	5.89	0.584	0.000209	<0.00001	<0.0005	0.0101	<0.0002	8.08	<0.0001	1
SRK-FD07	6/12/2002	<0.01	0.01	<0.01	<0.03	<0.05	0.13	69.8	0.278	<0.03	<0.05	<0.3	8	<0.2	1.15	<0.01	25	1.06	<0.2	<0.03	<0.01		<0.03	3.89		1
SRK-FD08	6/12/2002	<0.01	<0.01	<0.01	0.07	<0.05	<0.01	114	0.188	<0.03	0.06	<0.3	3	<0.2	6.27	<0.01	5	0.473	<0.2	<0.03	<0.01		<0.03	3.88		2
SRK-FD09	6/12/2002	<0.01	0.03	0.01	0.05	0.1	0.08	284	0.844	<0.03	0.16	<0.3	13	<0.2	3.07	<0.01	7	0.758	<0.2	<0.03	<0.01		<0.03	26.4		2
SRK-FD10	6/12/2002	<0.01	0.47	<0.01	37	<0.05	0.18	686	54	<0.03	0.66	<0.3	17	<0.2	7.59	<0.02	69	3.86	<0.4	0.03	<0.01		<0.03	215		2
SRK-FD10	9/10/2002	<0.02	0.45	<0.02	57.8	<0.1	0.13	630	53.9	<0.06	0.6	<0.6	15	<0.4	7.3	<0.02	60	3.67	<0.4	<0.06	<0.02		<0.06	223		2
SRK-FD12	6/12/2002	<0.02	0.47	0.3	23.4	<0.05	0.15	682	50.4	<0.03	0.72	<0.3	16	<0.2	7.46	<0.02	57	3.55	<0.3	0.03	<0.01		<0.03	231		2
SRK-FD12	9/10/2002	<0.02	0.43	0.11	35.7	<0.1	0.12	627	49.1	<0.06	0.7	<0.6	13	<0.4	7.3	<0.02	50	3.48	<0.4	<0.06	<0.02		<0.06	219		2
SRK-FD12	5/18/2005	0.033	1.06	0.779	99.7	<0.10	0.200	794	76.5	<0.060	1.43	<0.60	14.0	<0.40	7.28	<0.020	52.3	3.28	<0.40	<0.060	<0.020		0.099	527		2
SRK-FD12	9/13/2005	<0.020	0.896	0.028	135	<0.10	0.199	803	79.6	<0.060	1.08	<0.60	15.0	<0.40	6.97	<0.020	58.7	3.27	<0.60	<0.060	<0.020		<0.060	472		2
SRK-FD12	5/25/2006	<0.02	0.921	1.95	114	<0.1	0.178	811	85.7	<0.06	1.09	<0.6	16.6	<0.4	7.93	<0.02	60.9	3.84	<0.4	<0.06	<0.02		<0.06	584		3
SRK-FD12	9/24/2006	<0.020	0.708	0.023	91.3	<0.10	0.158	777	71.6	<0.060	0.85	<0.60	13.6	<0.40	6.71	<0.020	64.0	3.17	<0.40	0.313	<0.020		0.067	301		2
SRK-FD12	5/29/2007	<0.0002	0.617	0.028	58.9	0.0012	0.15	834	71.2	0.0083	0.672	<0.03	16.2	0.0047	8.01	0.00063	57.4	4.35	0.0015	<0.0002	0.0007		<0.0002	331		2
SRK-FD12	9/14/2007	<0.025	0.699	0.0163	38.7	<0.0025	<0.25	796	72.6	<0.0025	0.818	<0.6	16.3	<0.05	7.2	<0.0005	62.3	4.13	<0.005	<0.005	<0.02		<0.05	255		2
SRK-FD12	5/14/2008	<0.001	0.921	2.35	16	0.00023	0.177	652	59.6	<0.0005	1.12		14.4	0.0006	7.46	0.00021	42	3.69	0.0018	<0.0001	<0.005	0.0107	<0.002	655	<0.001	2
SRK-FD12	9/14/2008	<0.01	1.27	0.298	172	0.0013	0.204	989	90	<0.005	1.56		17	<0.004	<10	0.0005	51	4.07	0.0018	<0.001	<0.05	0.0107	<0.02	723	<0.01	3
SRK-FD13	6/12/2002	<0.03	1.53	4.54	284	1.6	0.29	502	64.3	<0.09	3.2	<0.9	12	<0.6	7.8	<0.03	12	0.69	<0.6	<0.09	<0.03		<0.09	751		3
SRK-FD13	9/12/2002	<0.01	0.28	0.12	0.45	0.31	0.18	319	12.6	<0.03	0.76	<0.3	13	<0.2	1.76	<0.01	36	1.01	<0.2	<0.03	<0.01		<0.03	96.5		3
SRK-FD13	6/5/2003	<0.01	0.3	0.04	0.13	0.24	0.14	255	14.9	<0.03	0.68	<0.3	12	<0.2	2.43	<0.01	13	0.811	<0.2	<0.03	<0.01		<0.03	112		3
SRK-FD13	5/26/2004	0.085	1.31	7.49	550	<0.25	0.156	356	60.3	<0.15	2.19	<1.5	<10	<1	5	<0.05	<10	0.233	<1	<0.15	<0.05		<0.15	877		3
SRK-FD13	5/16/2005	<0.010	0.155	1.07	19.7	0.443	0.051	109	6.08	<0.030	0.358	<0.30	3.5	<0.20	1.43	<0.010	2.2	0.254	<0.20	<0.030	<0.010		<0.030	83.3		3
SRK-FD13	9/15/2005	<0.010	0.265	0.325	3.83	0.335	0.388	449	9.11	<0.030	0.939	<0.30	19.8	<0.20	2.48	<0.010	114	1.68	<0.20	<0.030	<0.010		<0.070	59.4		3
SRK-FD13	5/24/2006	<0.01	0.225	1.47	24.3	0.162	0.077	133	9.06	<0.03	0.756	<0.3	5.0	<0.2	1.33	<0.01	2.2	0.285	<0.2	<0.03	<0.01		<0.03	185		3
SRK-FD13	5/28/2007	<0.001	0.420	1.02	18.9	0.710	0.140	291	23.60	0.0023	1.040	<0.15	6.9	0.006	3.70	0.0007	8.1	0.500	0.0019	<0.001	<0.001		<0.001	329		3
SRK-FD13	9/10/2007	<0.05	0.508	1.01	37.2	1.300	<0.5	285	23.70	<0.005	1.330	<0.3	11.6	<0.1	4.46	<0.001	20.8	0.993	<0.01	<0.01	<0.01		<0.1	257		3
SRK-FD13	5/14/2008	0.521	6.160	60.80	3440.0	0.423	1.100	1510	242.00	0.003	9.140		1.2	0.0	36.00	0.0043	12.8	0.637	0.0046	0.0025	<0.03	0.589	000	3880	0.012	3
SRK-FD13	9/14/2008	0.382	6.320	24.80	4320.0	0.584	0.983	2090	315.00	<0.03	11.600		10	<0.02	<50	<0.003	32.0	1.900	0.002	<0.005	<0.3	0.296	<0.1	4480	<0.05	3
SRK-FD14	6/12/2002	<0.01	<0.01	<0.01	<0.03	<0.05	0.23	314	0.041	<0.03	0.07	<0.3	24	<0.2	0.8	<0.01	122	3.32	<0.3	<0.03	<0.01		<0.03	1.72		1
SRK-FD14	9/12/2002	<0.01	<0.01	<0.01	<0.03	<0.05	0.2	378	0.014	<0.03	0.09	<0.3	21	<0.2	0.87	<0.01	119	3.75	<0.2	<0.03	<0.01		<0.03	4.95		1
SRK-FD14B	6/6/2003	<0.01	0.02	0.06	0.89	<0.05	0.11	156	0.363	<0.03	0.05	<0.3	9	<0.2	1.08	<0.01	122	1.23	<0.2	<0.03	<0.01		<0.03	11.2		1
SRK-FD14	5/26/2004	<0.01	<0.01	<0.01	<0.03	<0.05	0.05	88	0.116	<0.03	0.056	<0.3	7.9	<0.2	0.491	<0.01	23	1.05	<0.2	<0.03	<0.01		<0.03	1.01		1
SRK-FD14	5/16/2005	<0.010	0.012	<0.010	<0.030	<0.050	0.102	223	0.420	<0.030	0.068	<0.30	10.3	<0.20	0.591	<0.010	52.5	2.05	<0.20	<0.030	<0.010		0.049	2.48		1
SRK-FD14	9/15/2005	<0.010	<0.010	<0.010	<0.030	<0.050	0.193	230	<0.0050	<0.030	0.075	<0.30	16.1	<0.20	0.726	<0.010	150	3.24	<0.20	<0.030	<0.010		<0.050	3.52		1
SRK-FD14	5/24/2006	<0.01	<0.01	<0.01	<0.03	<0.05	0.105	168	0.253	<0.03	0.053	<0.3	13.8	<0.2	0.737	<0.01	52.6	2.12	<0.2	<0.03	<0.01		<0.03	1.98		1
SRK-FD14	9/14/2007	<0.001	0.0002	<0.004	0.05	0.00388	0.154	219	0.0103	0.00218	0.0573	<0.3	17	0.0021	0.775	<0.00002	126	2.22	0.00107	<0.0002	<0.01		<0.002	3.38		1
SRK-FD14	5/17/2008	<0.0001	0.0127	0.00522	0.21	0.000194	0.0544	116	0.495	0.00139	0.0399		6.96	0.00175	0.5	<0.000005	12.9	0.926	0.000513	<0.00001	<0.0005	0.0223	<0.0002	1.66	<0.0001	1
SRK-FD14	9/14/2008	<0.0005	0.00028	0.0011	<0.005	0.00379	0.192	397	0.0352	0.0021	0.135		22	0.0043	0.786	<0.00003	121	3.5	0.00131	<0.00005	0.003	0.149	<0.001	6.27	<0.0005	1

Sample ID	Date Sampled	pH (WTW)	Cond (uS/cm)	Temp (C)	ORP (mV)	Flow (L/min)	Cond (uS/cm)	Lab pH	Acidity (to pH 8.3) CaCO3	Alkalinity CaCO3	Cl	SO4	Al	Sb	As	Ba	Be	Bi	B
	Min. detection level						2	0.01	1	0.5	0.5	0.5	0.002	0.0001	0.0002	0.01	0.00001	0.000005	0.01
	Units	s.u.	uS/cm	0C	mV	L/min	uS/cm	s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK-FD16	6/13/2002	6.61	84	2.1	298	300	82	7.79	9	37	<0.5	10	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1
SRK-FD16	6/5/2003	7.42	67	1.4	508	40	64	7.32	3	30	0.7	5	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1
SRK-FD16	9/11/2003	7.54	125	4.1	505	240	126	8.37	<1	60	0.8	7	<0.2	<0.2	<0.2	0.05	<0.005	<0.2	<0.1
SRK-FD16	5/27/2004	7.06	52	0.8	438	600	46.8	8.16	1.4	21.3	0.67	3.1	<0.2	<0.2	<0.2	0.016	<0.005	<0.2	<0.1
SRK-FD16	9/26/2004	6.75	146	3.9	625	90	149	7.73	4	66.8	<0.5	8.48	<0.2	<0.2	<0.2	0.064	<0.005	<0.2	<0.1
SRK-FD16	9/13/2005	7.12	126	5.1	602	60	126	8.07	2.8	49.4	<0.50	6.73	<0.20	<0.20	<0.20	0.060	<0.0050	<0.20	<0.10
SRK-FD16	5/23/2006	6.93	49	1.1	302	-	48.4	7.73	3.8	19.0	<0.5	3.31	<0.2	<0.2	<0.2	0.022	<0.005	<0.2	<0.1
SRK-FD16	9/20/2006	7.47	123	4	206	210	122	8.09	2.2	64.4	<0.50	5.66	<0.20	<0.20	<0.20	0.060	<0.0050	<0.20	<0.10
SRK-FD16	9/13/2008	7.49	98	3.7	205	240	110	8.00	1.7	47.0	0.5	7.80	0.0116	0.00004	0.00016	0.030	0.00001	<0.000005	<0.05
SRK-FD17	6/13/2002	7.16	103	1.6	321	25.5	101	8	7	42	0.6	10	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1
SRK-FD17	9/12/2002	7.35	130	3.5	316	1.5	130	7.68	4	54	<0.5	11	<0.2	<0.2	<0.2	0.04	<0.005	<0.2	<0.1
SRK-FD18	6/13/2002	6.98	177	1.6	307		173	8.01	11	55	0.5	28	<0.2	<0.2	<0.2	0.06	<0.005	<0.2	<0.1
SRK-FD18	9/12/2002	7.33	173	3.2	334	1.5	170	7.72	4	65	<0.5	19	<0.2	<0.2	<0.2	0.06	<0.005	<0.2	<0.1
SRK-FD18	6/5/2003	7.12	152	1.1	515	75	151	7.51	5	57	1.1	21	<0.2	<0.2	<0.2	0.06	<0.005	<0.2	<0.1
SRK-FD18	9/11/2003	6.82	141	4	536	Trace	142	8.15	2	61	0.8	11	<0.2	<0.2	<0.2	0.08	<0.005	<0.2	<0.1
SRK-FD18	5/27/2004	6.89	170	1.2	450	12.5	157	7.96	3.2	54.3	<0.5	28	<0.2	<0.2	<0.2	0.068	<0.005	<0.2	<0.1
SRK-FD18	9/26/2004	6.77	148	3.1	572	0.25	150	7.67	7.5	67.6	<0.5	9.15	<0.2	<0.2	<0.2	0.087	<0.005	<0.2	<0.1
SRK-FD18	5/16/2005	7.06	205	1.5	544	30	208	7.84	3.1	71.1	<0.50	39.2	<0.20	<0.20	<0.20	0.081	<0.0050	<0.20	<0.10
SRK-FD18	9/13/2005	6.83	149	5	671	60	149	7.97	3.1	55.9	<0.50	12.3	<0.20	<0.20	<0.20	0.073	<0.0050	<0.20	<0.10
SRK-FD18	5/23/2006	6.91	164	1.2	324	22	164	7.46	5.3	52.6	<0.5	29.8	<0.2	<0.2	<0.2	0.086	<0.005	<0.2	<0.1
SRK-FD18	9/20/2006	7.06	138	3.8	222	6	138	7.89	3.4	68.8	<0.50	8.83	<0.20	<0.20	<0.20	0.084	<0.0050	<0.20	<0.10
SRK-FD18	5/29/2007	7.55	149	1.4	374	20	145	7.29	19.0	49.9	0.28	23.00	0.022	<0.0002	0.0003	0.058	<0.0002	<0.0002	<0.01
SRK-FD18	9/13/2007	6.15	170	3.9	166	15	168	7.20	7.1	71.6	<0.5	17.20	0.0064	<0.0001	0.00013	0.070	<0.0005	<0.0005	<0.01
SRK-FD18	5/14/2008	6.03	270	1.3	303	trickle	200	7.70	13.3	57.0	<0.5	43.00	0.035	0.0001	0.007	0.078	<0.00005	<0.00003	<0.3
SRK-FD18	9/13/2008	7.24	185	3.4	307	23.3	190	8.10	5.0	75.0	<0.5	24.00	0.0055	0.00005	0.00012	0.062	<0.00001	<0.000005	<0.05
SRK-FD19	6/13/2002	6.98	5030	0	259	30	4710	7.52	91	394	2	3380	<0.2	<0.2	<0.2	0.04	<0.005	<0.2	<0.1
SRK-FD19	9/11/2002	6.87	5110	0.2	283	30	4900	7.21	115	386	1.6	3810	<0.4	<0.4	<0.4	0.04	<0.01	<0.4	<0.2
SRK-FD19	6/6/2003	7.32	3550	1.3	444	30	4710	7.76	68	407	2.3	3670	<0.2	<0.2	<0.2	0.04	<0.005	<0.4	<0.1
SRK-FD19B	9/13/2003	7.25	5240	0.3	470	5.2	5070	7.75	67	403	2.5	3860	<0.2	<0.2	<0.2	0.05	<0.005	<0.5	<0.1
SRK-FD19	5/27/2004	6.65	4340	0.2	397	150	3940	7.45	90.3	279	1.55	3070	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1
SRK-FD19	9/26/2004	6.44	5690	1.1	461	0.1	5470	7.51	114	406	<10	4110	<0.2	<0.2	<0.2	0.059	<0.005	<0.4	<0.1
SRK-FD19	5/16/2005	7.04	4350	0.3	446	120	4290	7.58	114	259	<5.0	3170	<0.20	<0.20	<0.20	0.029	<0.0050	<0.20	<0.10
SRK-FD19	9/13/2005	6.91	5760	0.5	425	17	5100	7.51	128	414	<10	4290	<1.0	<1.0	<1.0	0.052	<0.025	<1.0	<0.50
SRK-FD19	5/23/2006	7.51	4960	0.1	249	180	4870	7.50	92.1	403	<2.5	3550	<0.2	<0.2	<0.2	0.029	<0.005	<0.2	<0.1
SRK-FD19	9/20/2006	7.22	5750	0.2	152	2	5590	7.58	123	436	<25	4070	<0.60	<0.60	<0.60	0.043	<0.015	<0.60	<0.30
SRK-FD19	5/29/2007	7.37	5100	0.2	328	50	6120	7.61	242	409	2.82	3570	0.002	0.0003	0.0018	0.022	<0.0002	<0.0002	<0.01
SRK-FD19	9/13/2007	6.89	5460	0.6	72	2	5140	7.53	145	445	<50	4090	<0.02	<0.002	<0.002	0.0361	<0.01	<0.01	<0.2
SRK-FD19	5/14/2008	7.6	5000	1.4	108	10	4800	7.9	74.1	340	2.1	4000	0.007	0.0004	0.0059	0.0275	<0.0001	<0.00005	<0.5
SRK-FD19	9/13/2008	6.3	5940	1	190	30	5900	7.6	281	270	1.1	5100	0.475	<0.0004	0.0013	0.0538	0.0006	<0.0001	<1
SRK-FD20	6/13/2002	3.18	555	8.2	492	0.5	572	3.18	135	<1	0.6	193	9.1	<0.2	<0.2	0.03	<0.005	<0.2	<0.1
SRK-FD20	9/13/2002	2.78	1875	0.9	586	60	1820	2.82	8750	12	<0.5	1170	46.8	<0.2	<0.2	0.04	0.006	<0.2	<0.1
SRK-FD20	6/5/2003	3.39	291	2.3	723	0	189	4.2	28	<1	0.6	69	1.8	<0.2	<0.2	0.03	<0.005	<0.2	<0.1
SRK-FD20	9/12/2003	2.93	834	2.2	778	2	771	3.66	176	<1	<0.5	248	11.3	<0.2	<0.2	0.04	<0.005	<0.2	<0.1
SRK-FD21	6/13/2002	4.57	4370	7.1	418	1.5	4130	4.51	283	8	0.8	3540	27.3	<0.2	<0.2	<0.01	0.009	<0.2	<0.1
SRK-FD21B	9/13/2002	5.21	2860	1.6	371	slight	2820	5.37	35	8	<0.5	1980	1.5	<0.2	<0.2	<0.01	<0.005	<0.3	<0.1
SRK-FD21B	6/5/2003	6.61	3270	11.5	372	2.7	3220	7.51	40	21	<0.5	2650	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1
SRK-FD21	5/30/2004	3.56	2840	6.5	700	9	2780	3.8	282	<1	1.08	1970	30.5	<0.2	<0.2	0.015	0.0088	<0.2	<0.1
SRK-FD21	9/26/2004	6.81	2550	1.6		Trace	2520	8	23.9	10.4	<5	1710	0.58	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1
SRK-FD21	5/16/2005	4.18	2790	5.3	661	18	2740	4.56	161	2.4	<5.0	1900	16.4	<0.20	<0.20	0.012	0.0053	<0.20	<0.10
SRK-FD21	9/13/2005	7.16	4050	14.7	379	0.1	3680	7.49	55.7	15.3	<10	3060	1.24	<0.20	<0.20	0.013	<0.0050	<0.20	<0.10
SRK-FD21	5/24/2006	5.72	1932	6.5	345	8.6	1950	5.16	56.8	11.2	<2.5	1280	3.56	<0.2	<0.2	0.013	<0.005	<0.2	<0.1
SRK-FD21	5/28/2007	7.13	2420	9.3	269	trace	2920	6.89	14	24.1	<2	1780	0.023	<0.0002	0.0006	0.016	<0.0002	<0.0002	<0.01
SRK-FD21	9/13/2007	4.79	2500	9.3	216	trace	3360	4.83	135	12.1	<50	2720	10.4	<0.001	<0.001	0.0113	<0.005	<0.005	<0.1
SRK-FD21	9/14/2008	4.33	3500	6.1	397	Trace	4900	4.7	216	<0.5	<0.5	4620	21.5	<0.0002	0.0014	0.012	0.0046	<0.00005	<0.5
SRK-FD22	6/13/2002	6.59	2270	13.4	271	Trace Flow	2150	7.72	25	179	0.7	1390	<0.2	<0.2	<0.2	<0.01	<0.005	<0.3	<0.1
SRK-FD22B	9/12/2002	5.45	1766	12	288	slight	1740	6.7	70	15	<0.5	1130	1.4	<0.2	<0.2	0.01	<0.005	<0.2	<0.1
SRK-FD22B	6/8/2003	6.84	1460	8.1	632	Trace	1520	7.48	65	47	<0.5	1120	1.6	<0.2	<0.2	0.03	<0.005	<0.2	<0.1
SRK-FD23	6/13/2002	6.39	729	19.4	113	Trace Flow	708	7.42	27	31	2.1	346	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1
SRK-FD23B	9/13/2002	4.27	1403	36.9	235	5	1450	4.46	227	92	0.7	801	0.6	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1
SRK-FD23B	9/12/2003	6.19	772	8.8	299	Trace	723	5.47	50	4	1.3	378	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1
SRK-FD23	5/30/2004	5.74	875	16.2	288	Trace	859	6.48	36.7	8.9	1.45	474	<0.2	<0.2	<0.2	0.014	<0.005	<0.2	<0.1
SRK-FD23	5/16/2005	5.71	886	10.2	364	Trace	925	6.41	40.9	11.1	0.92	492	<0.20	<0.20	<0.20	0.013	<0.0050	<0.20	<0.10
SRK-FD23	9/13/2005	5.31	1148	13.6	405	Trace	1060	6.27	132	5.6	0.90	600	0.65	<0.20	<0.20	0.011	<0.0050	<0.20	<0.10
SRK-FD23	9/20/2006	5.01	1168	6.4	178	trace	1070	6.23	118	6.8	0.92	590	0.28	<0.20	<0.20	0.011	<0.0050	<0.20	<0.10
SRK-FD23	9/13/2007	4.77	1601	9.6	200	trace	1580	5.45	279	6.9	<5	1040	2.65	<0.001	<0.001	0.00609	<0.005	<0.005	<0.1
SRK-FD23	9/14/2008	3.87	2405	6.7	323	Trace	2300	4.2	582	<0.5	0.7	1785	18.2	<0.0002	0.0007	0.0138	0.0174	<0.00005	<0.5

Sample ID	Date Sampled	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr	Water Type
	Min. detection level	0.00002	0.05	0.0001	0.00003	0.0005	0.0002	0.0002	0.003	0.1	0.005	0.00005	0.00002	0.03	0.05	0.0002	0.05	0.000005	2	0.3	0.0001	0.00001	0.0002	0.000002	0.0002	0.005	0.0001	
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
SRK-FD16	6/13/2002	<0.01	12.9	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	1.9	<0.005	<0.03	<0.05	<0.3	<2	<0.2	5.9	<0.01	<2	0.045	<0.2	<0.03	<0.01		<0.03	0.01		1
SRK-FD16	6/5/2003	<0.01	9.97	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	1.5	<0.005	<0.03	<0.05	<0.3	<2	<0.2	5.41	<0.01	<2	0.037	<0.2	<0.03	<0.01		<0.03	0.01		1
SRK-FD16	9/11/2003	<0.01	19.6	<0.01	<0.01	<0.01	0.03	<0.05	<0.01	2.8	0.018	<0.03	<0.05	<0.3	<2	<0.2	6.75	<0.01	<2	0.071	<0.2	<0.03	<0.01		<0.03	0.013		1
SRK-FD16	5/27/2004	<0.01	7.46	<0.01	<0.01	<0.01	0.047	<0.05	<0.01	1.09	<0.005	<0.03	<0.05	<0.3	<2	<0.2	4.05	<0.01	<2	0.0271	<0.2	<0.03	<0.01		<0.03	0.0111		1
SRK-FD16	9/26/2004	<0.01	23.6	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	3.34	0.0071	<0.03	<0.05	<0.3	<2	<0.2	6.91	<0.01	2.2	0.0875	<0.2	<0.03	<0.01		<0.03	0.0116		1
SRK-FD16	9/13/2005	<0.010	19.9	<0.010	<0.010	<0.010	0.032	<0.050	<0.010	3.14	0.0136	<0.030	<0.050	<0.30	<2.0	<0.20	6.35	<0.010	<2.0	0.0803	<0.20	<0.030	<0.010		<0.030	0.0197		1
SRK-FD16	5/23/2006	<0.01	9.04	<0.01	<0.01	<0.01	0.101	<0.05	<0.01	1.30	<0.005	<0.03	<0.05	<0.3	<2	<0.2	2.95	<0.01	<2	0.0335	<0.2	<0.03	<0.01		<0.03	0.0149		1
SRK-FD16	9/20/2006	<0.010	19.7	<0.010	<0.010	<0.010	0.032	<0.050	<0.010	2.98	0.0099	<0.030	<0.050	<0.30	<2.0	<0.20	6.19	<0.010	<2.0	0.0795	<0.20	<0.030	<0.010		<0.030	0.0169		1
SRK-FD16	9/13/2008	0.000038	15.4	<0.0001	0.00003	0.00176	0.025	0.000357	0.0014	2.20	0.0047	0.0003	0.00041		0.56	0.00006	5.84	<0.000005	1.73	0.0550	0.00001	<0.00001	<0.0005	0.00014	<0.0002	0.0118	0.0001	1
SRK-FD17	6/13/2002	<0.01	15.3	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	2.6	<0.005	<0.03	<0.05	<0.3	<2	<0.2	5.5	<0.01	<2	0.046	<0.2	<0.03	<0.01		<0.03	0.081		1
SRK-FD17	9/12/2002	<0.01	19.1	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	3.1	<0.005	<0.03	<0.05	<0.3	2	<0.2	6.22	<0.01	<2	0.076	<0.2	<0.03	<0.01		<0.03	0.088		1
SRK-FD18	6/13/2002	<0.01	26.4	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	4.6	<0.005	<0.03	<0.05	<0.3	<2	<0.2	5.35	<0.01	<2	0.095	<0.2	<0.03	<0.01		<0.03	0.102		1
SRK-FD18	9/12/2002	<0.01	26.3	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	4.3	<0.005	<0.03	<0.05	<0.3	<2	<0.2	6.21	<0.01	2	0.099	<0.2	<0.03	<0.01		<0.03	0.101		1
SRK-FD18	6/5/2003	<0.01	22	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	4	<0.005	<0.03	<0.05	<0.3	<2	<0.2	5.04	<0.01	<2	0.084	<0.2	<0.03	<0.01		<0.03	0.082		1
SRK-FD18	9/11/2003	<0.01	21.9	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	3.4	<0.005	<0.03	<0.05	<0.3	<2	<0.2	6.55	<0.01	<2	0.083	<0.2	<0.03	<0.01		<0.03	0.119		1
SRK-FD18	5/27/2004	<0.01	24.2	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	4.14	<0.005	<0.03	<0.05	<0.3	<2	<0.2	4.71	<0.01	<2	0.0912	<0.2	<0.03	<0.01		<0.03	0.113		1
SRK-FD18	9/26/2004	<0.01	23.6	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	3.45	<0.005	<0.03	<0.05	<0.3	<2	<0.2	6.62	<0.01	2.1	0.0883	<0.2	<0.03	<0.01		<0.03	0.163		1
SRK-FD18	5/16/2005	<0.010	33.0	<0.010	<0.010	0.010	<0.030	<0.050	<0.010	5.73	<0.0050	<0.030	<0.050	<0.30	<2.0	<0.20	4.38	<0.010	<2.0	0.123	<0.20	<0.030	<0.010		<0.030	0.137		1
SRK-FD18	9/13/2005	<0.010	21.8	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	3.64	<0.0050	<0.030	<0.050	<0.30	<2.0	<0.20	5.26	<0.010	<2.0	0.087	<0.20	<0.030	<0.010		<0.030	0.102		1
SRK-FD18	5/23/2006	<0.01	24.0	<0.01	<0.01	0.016	0.059	<0.05	<0.01	4.66	0.0105	<0.03	<0.05	<0.3	<2	<0.2	4.51	<0.01	2.1	0.111	<0.2	<0.03	<0.01		<0.03	0.111		1
SRK-FD18	9/20/2006	<0.010	21.7	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	3.53	<0.0050	<0.030	<0.050	<0.30	<2.0	<0.20	5.93	<0.010	<2.0	0.0881	<0.20	<0.030	<0.010		<0.030	0.129		1
SRK-FD18	5/29/2007	0.0003	24.3	<0.0002	<0.0002	0.011	0.02	0.0038	0.002	4.28	0.0009	0.0005	0.0011	<0.03	1.1	<0.0002	4.97	<0.00005	1.45	0.0840	0.00008	<0.0002	0.0005		<0.0002	0.13		1
SRK-FD18	9/13/2007	0.000314	25.5	<0.0005	<0.0001	0.00364	<0.03	0.00321	<0.005	4.26	0.000644	0.000666	0.00077	<0.3	<2	<0.001	6.50	<0.00001	2.1	0.0877	<0.0001	<0.0001	<0.01		<0.001	0.118		1
SRK-FD18	5/14/2008	0.00035	29.1	<0.0005	0.00006	0.01	0.119	0.00305	<0.003	4.86	0.0033	0.0005	0.0018		1.29	<0.0002	4.81	0.00004	1.99	0.1200	0.00018	0.00006	<0.003	0.00064	<0.001	0.161	<0.0005	1
SRK-FD18	9/13/2008	0.000226	28.2	<0.0001	0.00003	0.00345	0.008	0.00203	0.0028	4.96	0.00236	0.00139	0.00062		1.36	0.00014	5.79	<0.000005	2.06	0.1040	0.000058	<0.00001	<0.0005	0.000759	<0.0002	0.0793	<0.0001	1
SRK-FD19	6/13/2002	<0.01	595	<0.01	0.06	<0.01	0.06	<0.05	0.03	584	16.5	<0.03	0.35	<0.3	11	<0.2	6.44	<0.01	22	3.28	<0.3	<0.03	<0.01		<0.03	43.9		2
SRK-FD19	9/11/2002	<0.02	628	<0.02	0.06	0.12	2.94	<0.1	0.03	574	19.3	<0.06	0.3	<0.6	10	<0.4	6.3	<0.02	20	3.29	<0.4	<0.06	<0.02		<0.06	51.3		2
SRK-FD19	6/6/2003	<0.01	584	<0.01	0.04	<0.01	0.07	<0.05	0.03	536	16.1	<0.03	0.27	<0.3	9	<0.2	5.95	<0.01	18	2.95	<0.2	<0.03	<0.01		<0.03	40.8		2
SRK-FD19B	9/13/2003	<0.01	598	<0.01	0.06	<0.01	0.07	<0.05	0.02	538	19.2	<0.03	0.3	<0.3	8	<0.2	6.23	<0.02	18	3.02	<0.2	<0.03	<0.01		<0.03	44.9		2
SRK-FD19	5/27/2004	0.028	456	<0.01	0.128	0.016	<0.03	<0.05	0.062	484	11.7	<0.03	0.341	<0.3	9	<0.2	4.3	<0.01	19.7	3	<0.2	<0.03	<0.01		<0.03	52.9		2
SRK-FD19	9/26/2004	<0.02	617	<0.01	0.057	<0.01	0.125	<0.05	0.029	667	24	<0.03	0.464	<0.3	9.9	<0.2	6.6	<0.01	20.9	3.49	<0.4	<0.03	<0.01		<0.03	68.7		2
SRK-FD19	5/16/2005	0.043	448	<0.010	0.150	0.054	<0.030	<0.050	0.039	401	14.0	<0.030	0.356	<0.30	6.9	<0.20	4.10	<0.010	15.3	2.29	<0.20	<0.030	<0.010		0.048	64.3		2
SRK-FD19	9/13/2005	<0.050	675	<0.050	0.076	<0.050	<0.15	<0.25	0.062	702	28.0	<0.15	0.49	<1.5	12	<1.0	6.47	<0.050	26	3.82	<1.0	<0.15	<0.050		<0.15	83.8		2
SRK-FD19	5/23/2006	0.011	445	<0.01	0.064	0.019	<0.03	<0.05	0.038	580	16.4	<0.03	0.418	<0.3	10.6	<0.2	4.20	<0.01	21.8	2.80	<0.2	<0.03	<0.01		<0.03	36.3		2
SRK-FD19	9/20/2006	<0.030	634	<0.030	0.073	<0.030	0.116	<0.15	0.039	736	30.8	<0.090	0.50	<0.90	10.7	<0.60	6.85	<0.030	21.0	3.31	<0.60	<0.090	<0.030		<0.090	84.1		2
SRK-FD19	5/29/2007	0.01122	515	<0.0002	0.035	0.011	0.02	0.0014	0.038	640	17.1	0.0021	0.376	<0.03	10.3	0.0057	5.11	0.00012	20.3	3.79	0.00032	<0.0002	0.0004		<0.0002	54		2
SRK-FD19	9/13/2007	0.0073	566	<0.01	0.0673	0.0105	<0.06	0.0054	<0.1	648	29.6	<0.001	0.474	<0.6	10.1	<0.02	6.75	<0.0002	19.2	3.19	<0.002	<0.002	<0.02		<0.02	87.1		2
SRK-FD19	5/14/2008	0.0138	552	<0.001	0.0432	0.0109	0.067	0.0136	0.044	560	13.9	<0.0005	0.389		9.9	0.004	4.93	0.00006	20.7	3.63	0.00036	<0.0001	<0.005	0.0154	<0.002	50	<0.001	2
SRK-FD19	9/13/2008	0.0817	659	<0.002	0.29	0.177	0.176	0.0085	0.051	765	35.7	<0.001	0.676		10.2	0.0053	6.93	<0.0001	21.8	3.5	0.00026	<0.0002	<0.01	0.0127	<0.004	166	<0.002	2
SRK-FD20	6/13/2002	<0.01	10.2	0.01	0.05	0.99	16.9	<0.05	0.01	9.1	0.603	<0.03	0.06	<0.3	<2	<0.2	10.8	<0.01	2	0.046	<0.2	<0.03	<0.01		<0.03	7.93		3
SRK-FD20	9/13/2002	0.08	35.2	0.07	0.25	8.06	173	<0.05	0.08	35.8	2.31	<0.03	0.24	0.7	<2	<0.2	16.7	<0.01	4	0.145	<0.2	<0.03	<0.01		<0.03	59.8		3
SRK-FD20	6/5/2003	<0.01	6.45	<0.01	<0.01	0.24	1.45	<0.05	<0.01	3.8	0.161	<0.03	<0.05	<0.3	<2	<0.2	9.49	<0.01	2	0.044	<0.2	<0.03	<0.01		<0.03	2.2		3
SRK-FD20	9/12/2003	0.02	18	0.02	0.06	1.94	32.2	<0.05	0.03	13.2	0.672	<0.03	0.08	<0.3	<2	<0.2	13.9	<0.01	3	0.095	<0.2	<0.03	<0.01		<0.03	13.4		3
SRK-FD21	6/13/2002	0.17	410	<0.01	0.28	2.59	0.06	0.09	0.11	504	6.79	<0.03	0.53	<0.3	14	<0.2	8.54	<0.01	14	1.73	<0.3	<0.03	<0.01		<0.03	65		3
SRK-FD21B	9/13/2002	0.05	322	<0.01	0.03	0.3	<0.03	<0.05	0.03	256	1.26	<0.03	0.18	<0.3	10	<0.2	3.15	<0.01	8	1.02	<0.2	<0.03	<0.01		<0.03	17		3
SRK-FD21B	6/5/2003	0.08	378	<0.01	0.06	0.12	<0.03	<0.05	0.04	358	2.06	<0.03	0.25	<0.3	11	<0.2	4.02	<0.01	10	1.35	<0.2	<0.03	<0.01		<0.03	26.2		2
SRK-FD21	5/30/2004	0.106	335	<0.01	0.243	2.33	5.18	0.19	0.096	219	4.47	<0.03	0.317	<0.3	8.1	<0.2	9.46	<0.01	5.8	1.08	<0.2	<0.03	<0.01		<0.03	44.1		3
SRK-FD21	9/26/2004	0.035	283	<0.01	0.021	0.12	<0.03	<0.05	0.035	234	1.4	<0.03	0.232	<0.3	8.2	<0.2	3.05	<0.01	6.6	0.961	<0.2	<0.03	<0.01		<0.03	15.2		2
SRK-FD21	5/16/2005	0.080	267	<0.010	0.158	1.45	0.654	0.099	0.058	202	3.08	<0.030	0.271	<0.30	6.1	<0.20	5.17	<0.010	4.4	0.826	<0.20	<0.030	<0.010		0.050	28.5		3
SRK-FD21	9/13/2005	0.077	398	<0.010	0.065	0.416	<0.030	0.056	0.066	446	2.20	<0.030	0.361	<0.30	12.6	<0.20	4.70	<0.010	13.1	1.46	<0.20	<0.030	<0.010		<0.060	26.4		2
SRK-FD21	5/24/2006	0.043	249	<0.01	0.082	0.424	<0.03	<0.05	0.032	153	1.82	<0.03	0.177	<0.3	7.5	<0.2	3.87	<0.01	4.6	0.743	<0.2	<0.03	<0.01		<0.03	17.3		2
SRK-FD21	5/28/2007	0.0295	299	<0.0002	0.032	0.026	<0.01	0.0031	0.029	278	1.04	0.0003	0.109	<0.03	8.63	0.003	3.6	<0.00005	7.55	1.02	0.00009	<0.0002	0.0002		<0.0002	11.5		2
SRK-FD21	9/13/2007	0.0762	349	<0.005	0.117	0.8	0.042	0.155	0.061	382	2.65	<0.0005	0.303	<0.3	10.4	<0.01	5.65	<0.0001	8.5	1.35	<0.001	<0.001	0.01		<0.01	31.7		3
SRK-FD21	9/14/2008	0.165	468	0.001	0.263	1.35	0.067	0.148	0.078	677	6.3	<0.0005	0.615		14.2	0.0032	8	0.00007	14.9	2.08	0.00015	0.0001	<0.005	0.0204	<0.002	67.8	<0.001	3
SRK-FD22	6/13/2002	0.01	346	<0.01	0.02	<0.01	<0.03	<0.05	0.07	158	1.24	<0.03	0.07		<0.2	9	2.51	<0.01	4	1.23	<0.2	<0.03	<0.01		<0.03	7.19		2
SRK-FD22B	9/12/2002	0.07	239	<0.01	0.04	0.45	0.07	<0.05	0.07	88.2	2.37	<0.03	0.06		<0.2	9	3.37	<0.01	5	0.816	<0.2	<0.03	<0.01		<0.03	41		3
SRK-FD22B	6/8/2003	0.07	235	<0.01	0.06	0.5	0.07	<0.05	0.07	91.2	3.71	<0.03	0.09		<0.2	8	3.5	<0.01	5	0.836	<0.2	<0.03	<0.01		<0.03	42.7		2
SRK-FD23	6/13/2002	0.08	49.1	<0.01	0.13	<0.01	2.14	<0.05	0.04	53.6	2.84	<0.03	0.13		<0.2	3	3.65	<0.01	3	0.183	<0.2	<0.03	<0.01		<0.03	8.89		2
SRK-FD23B	9/13/2002	0.22	73.5	<0.01	0.38	0.2	50	<0.05	0.06	104	7.44	<0.03	0.37		<0.2	3	5.21	<0.01	3	0.23	<0.2	<0.03	<0.01		<0.03	43.4		3
SRK-FD23B	9/12/2003	0.09	50.7	<0.01	0.15	0.05	20.2	<0.05	0.05	57.5	3.31	<0.03	0.14		<0.2	3	4	<0.01	3	0.185	<0.2	<0.03	<0.01		<0.03	15.9		2
SRK-FD23	5/30/2004	0.103	65.6	<0.01	0.166	0.043	6.57	<0.05	0.064	62.1	3.77	<0.03	0.171		<0.2	3.5	3.82	<0.01	3.2	0.229	<0.2	<0.03	<0.01		<0.03	14.3		2
SRK-FD23	5/16/2005	0.119	74.1	<0.010	0.209	0.129	10.1	<0.050	0.061	79.1	4.33	<0.030	0.210		<0.20	2.9	4.06	<0.010	2.8	0.266	<0.20	<0.030	<0.010		<0.030	18.4		3
SRK-FD23	9/13/2005	0.110	64.1	<0.010	0.222	0.182	49.2	0.069	0.060	78.4	4.61	<0.030	0.238		<0.20	2.8	4.55	<0.010	3.0	0.221	<0.20	<0.030	<0.010		<0.040	24.3		3
SRK-FD23	9/20/2006	0.115	60.9	<0.010	0.229	0.133	39.9	<0.050	0.052	76.5	4.56	<0.030	0.230		<0.20	2.6	4.21	<0.010	2.8	0.213	<0.20	<0.030	<0.010		<0.030	24.8		3
SRK-FD23	9/13/2007	0.121	99.9	<0.005	0.234	0.412	75	0.0743	<0.05	136	4.1	<0.0005	0.241		<0.01	3.9	7.59	<0.0001	3.8	0.144	<0.001	<0.001	<0.01		<0.01	25.5		3
SRK-FD23	9/14/2008	0.472	126	0.002	0.74	2.23	164	0.465	0.124	184	13	<0.0005	0.717		3.8	<0.0004	11.3	0.00007	4.22	0.35	0.00152	<0.0001	<0.005	0.0147	<0.002	110	<0.001	3

Sample ID	Date Sampled	pH (WTW)	Cond (uS/cm)	Temp (C)	ORP (mV)	Flow (L/min)	Cond (uS/cm)	Lab pH	Acidity (to pH 8.3) CaCO3	Alkalinity CaCO3	Cl	SO4	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr	Water Type
	Min. detection level						2	0.01	1	0.5	0.5	0.5	0.002	0.0001	0.0002	0.01	0.00001	0.000005	0.01	0.00002	0.05	0.0001	0.00003	0.0005	0.0002	0.0002	0.003	0.1	0.005	0.00005	0.00002	0.03	0.05	0.0002	0.05	0.000005	2	0.3	0.0001	0.00001	0.0002	0.000002	0.0002	0.005	0.0001	
	Units	s.u.	uS/cm	0C	mV	L/min	uS/cm	s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
SRK-FD24	6/13/2002	6.95	1323	8.4	71	300	1310	7.32	46	88	2	710	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.03	138	<0.01	0.06	0.03	2.47	<0.05	0.04	90.4	2.46	<0.03	0.11	<0.3	4	<0.2	5.1	<0.01	4	0.449	<0.2	<0.03	<0.01		<0.03	26.8		2
SRK-FD24	9/13/2002	5.12	902	3.2	196	1000	884	7.32	27	90	1	406	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	0.02	77.7	<0.01	0.04	0.03	2.51	<0.05	0.03	52.2	1.21	<0.03	0.05	<0.3	4	<0.2	4.22	<0.01	3	0.252	<0.2	<0.03	<0.01		<0.03	13.3		3
SRK-FD24	6/5/2003	6.46	1335	13.5	325	10	1370	7.42	38	59	0.8	864	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.02	169	<0.01	0.06	0.02	5.35	<0.05	0.04	99.2	2.79	<0.03	0.12	<0.3	5	<0.2	6.07	<0.01	5	0.494	<0.2	<0.03	<0.01		<0.03	25.2		2
SRK-FD24	9/12/2003	6.85	1446	2.6	331	21	921	6.91	45	82	1.3	444	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.02	92.4	<0.01	0.05	0.04	3.47	<0.05	0.03	65.6	1.65	<0.03	0.07	<0.3	3	<0.2	5.44	<0.01	4	0.309	<0.2	<0.03	<0.01		<0.03	18.9		2
SRK-FD24	5/30/2004	6.34	1689	8	285	12	1670	6.9	79.7	43.2	1.32	1020	<0.2	<0.2	<0.2	0.016	<0.005	<0.2	<0.1	0.059	176	<0.01	0.138	0.148	6.18	0.069	0.053	119	5.37	<0.03	0.171	<0.3	4.8	<0.2	5.71	<0.01	4.2	0.561	<0.2	<0.03	<0.01		<0.03	45.6		2
SRK-FD24	9/26/2004	6.82	830	2.8	306	120	828	7.91	17.4	103	<2.5	345	<0.2	<0.2	<0.2	0.017	<0.005	<0.2	<0.1	0.016	89.8	<0.01	0.022	0.034	2.44	0.091	0.027	51.9	1.02	<0.03	<0.05	<0.3	4.1	<0.2	4.11	<0.01	3.6	0.293	<0.2	<0.03	<0.01		<0.03	9.7		2
SRK-FD24	5/16/2005	6.26	1837	5.6	348	144	1820	7.08	75.3	57.3	<5.0	1100	<0.20	<0.20	<0.20	0.014	<0.0050	<0.20	<0.10	0.061	209	<0.010	0.147	0.157	6.29	0.072	0.056	138	5.56	<0.030	0.205	<0.30	4.1	<0.20	4.69	<0.010	3.9	0.602	<0.20	<0.030	<0.010		<0.030	42.2		2
SRK-FD24	9/15/2005	6.74	967	6.2	379		901	7.35	25.1	77.2	0.79	437	<0.20	<0.20	<0.20	0.012	<0.0050	<0.20	<0.10	0.014	101	<0.010	0.034	0.029	3.73	0.071	0.029	63.5	1.42	<0.030	0.069	<0.30	2.8	<0.20	3.85	<0.010	3.5	0.318	<0.20	<0.030	<0.010		<0.050	12.0		2
SRK-FD24	5/24/2006	6.29	1939	2.5	199	15	1910	6.46	125	<2	<2.5	1210	0.52	<0.2	<0.2	0.017	<0.005	<0.2	<0.1	0.073	229	<0.01	0.200	0.148	2.33	0.158	0.058	143	8.43	<0.03	0.242	<0.3	5.0	<0.2	5.21	<0.01	3.5	0.665	<0.2	<0.03	<0.01		<0.03	67.7		2
SRK-FD24	9/20/2006	6.71	957	5.2	160	66.6	926	7.11	30.3	80.5	0.91	447	<0.20	<0.20	<0.20	0.011	<0.0050	<0.20	<0.10	0.018	90.8	<0.010	0.034	0.048	1.62	0.089	0.031	65.2	1.38	<0.030	0.078	<0.30	3.0	<0.20	4.37	<0.010	3.6	0.284	<0.20	<0.030	<0.010		<0.030	16.9		2
SRK-FD24	5/28/2007	7	1626	1.5	221	2	1650	7.19	68.0	130.0	<2	924	0.06	<0.0002	0.0004	0.012	<0.0002	<0.0002	<0.01	0.040	199.0	<0.0002	0.081	0.038	2.81	0.006	0.057	126.0	5.01	0.0005	0.129	<0.03	4.8	0.0014	5.38	0.0001	6.2	0.536	0.00062	<0.0002	0.0002		<0.0002	41.4		2
SRK-FD24	9/13/2007	6.62	1123	5.9	89	50	1090	7.07	59.6	74.2	1.04	573	0.038	<0.001	<0.001	0.010	<0.005	<0.005	<0.1	0.029	111.0	<0.005	0.061	0.079	4.41	0.046	<0.05	83.2	2.07	<0.0005	0.104	<0.3	3.8	<0.01	5.96	<0.0001	4.1	0.318	<0.001	<0.001	<0.01		<0.01	27.6		2
SRK-FD24	5/14/2008	3.75	2700	1.9	432	20	2600	3.30	486.0	<0.5	0.50	1800	19.3	0.0001	0.0041	0.013	0.0109	<0.00003	<0.3	0.218	217.0	0.0168	0.431	2.310	36.30	0.602	0.119	159.0	13.90	0.0004	0.523		4.37	0.0	10.40	0.00014	3.8	0.689	0.00108	0.00038	<0.003	0.0259	<0.001	160	<0.0005	3
SRK-FD24	9/14/2008	6.23	1651	5	171	120	1600	7.10	85.6	39.0	0.70	1095	0.12	<0.0002	0.0006	0.011	0.0005	<0.00005	<0.5	0.057	165.0	<0.001	0.106	0.185	7.57	0.130	0.054	127.0	4.70	<0.0005	0.182		4.58	<0.0004	5.13	<0.00005	5.0	0.498	0.00119	<0.0001	0.006	0.00146	<0.002	48.4	<0.001	2
SRK-FD26	6/13/2002	6.76	875	2.7	212	Good Flow	797	7.68	17	163	1.8	298	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	<0.01	82.2	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	51.4	0.081	<0.03	<0.05	<0.3	3	<0.2	4.9	<0.01	4	0.32	<0.2	<0.03	<0.01		<0.03	1.28		1
SRK-FD26	9/12/2002	6.56	1117	2.6	345	>1000	1030	7.51	15	198	1.2	391	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	116	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	76.3	0.151	<0.03	<0.05	<0.3	4	<0.2	5.79	<0.01	6	0.461	<0.2	<0.03	<0.01		<0.03	2.02		1
SRK-FD26	6/5/2003	6.78	1209	2.9	418	400	1160	7.62	17	229	2.3	501	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	127	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	95.2	0.088	<0.03	<0.05	<0.3	4	<0.2	5.79	<0.01	7	0.529	<0.2	<0.03	<0.01		<0.03	1.49		1
SRK-FD26	9/12/2003	6.85	1446	2.6	331	21	1410	7.48	29	242	2.7	617	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	151	<0.01	<0.01	<0.01	<0.03	<0.05	0.04	114	0.351	<0.03	<0.05	<0.3	4	<0.2	5.34	<0.01	8	0.632	<0.2	<0.03	<0.01		<0.03	3.81		1
SRK-FD26	5/30/2004	6.55	1160	3	380	23.2	1180	7.63	15.3	189	1.48	446	<0.2	<0.2	<0.2	0.024	<0.005	<0.2	<0.1	<0.01	112	<0.01	<0.01	<0.01	<0.03	<0.05	0.029	81.3	0.0975	<0.03	<0.05	<0.3	2.4	<0.2	5.09	<0.01	5.7	0.475	<0.2	<0.03	<0.01		<0.03	2.57		1
SRK-FD26	9/26/2004	7.29	1487	2.7	358	180	1460	7.98	12.7	233	<2.5	618	<0.2	<0.2	<0.2	0.027	<0.005	<0.2	<0.1	<0.01	158	<0.01	<0.01	<0.01	<0.03	<0.05	0.037	124	0.263	<0.03	<0.05	<0.3	4.4	<0.2	5.16	<0.01	8.8	0.668	<0.2	<0.03	<0.01		<0.03	2.97		1
SRK-FD26	5/16/2005	6.78	1632	2.5	336	600	1570	7.65	12.1	249	<5.0	684	<0.20	<0.20	<0.20	0.035	<0.0050	<0.20	<0.10	<0.010	169	<0.010	<0.010	<0.010	<0.030	<0.050	0.037	135	0.153	<0.030	<0.050	<0.30	4.2	<0.20	5.04	<0.010	8.2	0.660	<0.20	<0.030	<0.010		0.033	3.15		1
SRK-FD26	9/15/2005	6.86	1696	2.7	399	190	1480	7.23	11.7	252	<2.5	678	<0.20	<0.20	<0.20	0.035	<0.0050	<0.20	<0.10	<0.010	192	<0.010	<0.010	<0.010	<0.030	<0.050	0.049	155	0.284	<0.030	0.055	<0.30	4.6	<0.20	6.14	<0.010	10.2	0.768	<0.20	<0.030	<0.010		<0.030	4.43		1
SRK-FD26	5/24/2006	7.32	2230	0.8	165	30	2200	7.71	17.7	310	<2.5	1170	<0.2	<0.2	<0.2	0.027	<0.005	<0.2	<0.1	<0.01	234	<0.01	<0.01	0.021	<0.03	<0.05	0.060	215	0.343	<0.03	0.051	<0.3	6.3	<0.2	4.37	<0.01	10.5	0.969	<0.2	<0.03	<0.01		<0.03	5.51		1
SRK-FD26	9/20/2006	6.66	1090	2.7	243	330	1090	7.58	13.7	205	1.44	422	<0.20	<0.20	<0.20	0.029	<0.0050	<0.20	<0.10	<0.010	119	<0.010	<0.010	<0.010	<0.030	<0.050	0.026	85.6	0.171	<0.030	<0.050	<0.30	3.2	<0.20	5.40	<0.010	5.9	0.458	<0.20	<0.030	<0.010		<0.030	2.37		1
SRK-FD26	5/28/2007	6.98	2420	0.9	28	1	2610	7.44	62	304	3.2	1350	0.22	<0.0002	0.0007	0.02	0.0002	<0.0002	<0.01	0.0256	271	<0.0002	0.037	0.05	0.1	0.0013	0.063	260	1.75	0.0002	0.1	<0.03	5.25	0.0017	6.47	<0.00005	15.1	1.04	0.00012	<0.0002	0.0003		<0.0002	20.4		2
SRK-FD26	9/13/2007	6.9	1167	3.1	123	100	1150	7.44	20.7	219	1.56	465	0.0703	<0.0002	0.00026	0.0236	<0.001	<0.001	<0.02	0.00274	128	<0.001	0.0059	0.00626	<0.03	0.00024	0.027	92	0.192	<0.0001	0.0248	<0.3	3.9	<0.002	6.02	<0.00002	6.5	0.462	<0.0002	<0.0002	<0.01		<0.002	2.25		1
SRK-FD26	5/17/2008	7.75	2100	2.2	93	30	2000	8.2	2.6	250	2.2	960	0.0708	0.00005	0.00039	0.0285	0.00005	<0.000005	<0.05	0.0035	244	<0.0001	0.00405	0.0077	0.032	0.000363	0.0504	191	0.186	0.0001	0.0264		6.37	0.0007	5.52	0.000009	9.14	0.908	0.000081	<0.00001	<0.0005	0.0126	<0.0002	2.3	<0.0001	1
SRK-FD26	9/14/2008	6.29	1718	3	179	180	1600	7.9	34.4	200	1.5	909	0.352	0.00005	0.0003	0.033	0.00016	<0.000005	<0.05	0.00678	180	<0.0001	0.0287	0.0232	0.026	0.00028	0.0391	150	0.687	<0.00005	0.0638		5.29	0.00067	6.32	<0.000005	8.5	0.676	0.000086	<0.00001	<0.0005	0.00819	<0.0002	4.95	<0.0001	1
SRK-FD27	6/13/2002	6.98	1552	18.8	237	Trace Flow	1510	7.46	48	43	0.5	1050	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.04	140	<0.01	0.03	<0.01	<0.03	<0.05	0.09	123	1.46	<0.03	0.11	<0.3	8	<0.2	1.69	<0.01	3	0.617	<0.2	<0.03	<0.01		<0.03	29.4		2
SRK-FD27	9/12/2002	3.33	2590	11.6	392	slight	2350	3.86	350	<1	<0.5	1650	9.2	<0.2	<0.2	<0.01	0.005	<0.3	<0.1	0.25	240	<0.01	0.2	3.3	40.4	0.81	0.11	166	9.38	<0.03	0.35	<0.3	8	<0.2	6.66	<0.01	4	0.731	<0.2	<0.03	<0.01		<0.03	180		3
SRK-FD27	6/5/2003	6.91	1375	17.3	369	0	1350	7.55	37	52	<0.5	847	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	0.04	133	<0.01	0.02	0.02	0.06	<0.05	0.07	110	1.55	<0.03	0.1	<0.3	8	<0.2	1.95	<0.01	3	0.581	<0.2	<0.03	<0.01		<0.03	26.5		2
SRK-FD27	5/26/2004	6.56	1392	7.5	328	1	1530	6.78	168	13.6	0.67	948	1.17	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.104	128	<0.01	0.132	0.704	15.9	0.084	0.072	95.2	6.16	<0.03	0.321	<0.3	4.2	<0.2	2.18	<0.01	<2	0.588	<0.2	<0.03	<0.01		<0.03	86.7		2
SRK-FD30	9/10/2002	6.4	3740	6.6	360	ponded	3590	6.91	60	36	0.9	2670	<0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	<0.02	261	<0.02	0.09	<0.02	<0.06	<0.1	0.22	472	7.52	<0.06	0.6	<0.6	12	<0.4	2.6	<0.02	14	1.56	<0.4	<0.06	<0.02		<0.06	30.4		2
SRK-FD30	6/6/2003	6.09	2100	11.9	657	0	1850	7.7	37	25	0.5	1430	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	<0.01	199	<0.01	0.01	<0.01	0.17	<0.05	0.09	195	0.566	<0.03	0.21	<0.3	7	<0.2	4.08	<0.01	12	0.819	<0.2	<0.03	<0.01		<0.03	26.1		2
SRK-FD30	9/13/2003	5.9	3330	5.8	423	None	2600	7.68	21	61	1.4	1800	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	<0.01	218	<0.01	0.1	<0.01	2.54	<0.05	0.17	317	6.72	<0.03	0.33	<0.3	11	<0.2	6.29	<0.01	17	1.16	<0.2	<0.03	<0.01		<0.03	6.89		2
SRK-FD30	5/26/2004	6.06	2180	9.9	380	None	2060	7.51	38.3	30.7	0.6	1270	<0.2	<0.2	<0.2	0.036	<0.005	<0.2	<0.2	0.013	182	<0.01	0.029	0.034	0.084	<0.05	0.076	179	1.33	<0.03	0.073	<0.3	6.3	<0.2	1.62	<0.01	5.6	0.701	<0.2	<0.03	<0.01		<0.03	20.5		2
SRK-FD30	5/18/2005	5.85	2490	12.4	492	None	2490	7.54	93.1	51.8	<5.0	1530	0.23	<0.20	<0.20	0.037	<0.0050	<0.20	<0.10	0.027	202	<0.010	0.061	0.074	0.104	<0.050	0.130	214	3.64	<0.030	0.175	<0.30	7.1	<0.20	2.76	<0.010	11.1	1.02	<0.20	<0.030	<0.010		<0.030	37.1		3
SRK-FD30	5/25/2006	5.73	2240	8.2	306	0	2270	7.37	83.8	2.4	<2.5	1500	0.43	<0.2	<0.2	0.029	<0.005	<0.2	<0.1	0.033	197	<0.01	0.060	0.104	0.195	<0.05	0.077	216	3.71	<0.03	0.210	<0.3	6.7	<0.2	2.34	<0.01	5.9	0.834	<0.2	<0.03	<0.01		<0.03	40.9		3
SRK-FD30	5/27/2007	6.36	2450	12.2	216		3270	6.4	92	37.2	<2	1930	0.067	<0.0002	0.0013	0.019	0.0003	<0.0002	<0.01	0.0106	260	<0.0002	0.074	0.0069	2.03	0.0015	0.14	327	6.5	0.0007	0.327	<0.03	9.69	0.0021	3.45	0.00011	11	1.14	0.00023	<0.0002	0.0004		<0.0002	53.2		2
SRK-FD30	5/14/2008	5.45	1880	5	267	no flow	1600	6.8	128	22	<0.5	960	1.42	0.00011	0.00037	0.0233	0.00542	<0.000005	<0.05	0.0646	111	0.0002	0.232	0.732	3.55	0.0871	0.0725	170	7.91	0.00013	0.33		5.03	0.00142	1.69	0.000028	2.29	0.489	0.000669	<0.00001	<0.0005	0.00619	<0.0002	50.4	<0.0001	3
SRK-FD31	9/10/2002	6.37	5750	6.2	181	300	5420	6.46	585	333	15	4350	<0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.08	576	<0.02	0.44	0.12	36.7	<0.1	0.12	640	50.3	<0.06	0.7	<0.6	13	<0.4	7.5	<0.02	51	3.56	<0.4	<0.06	<0.02		<0.06	223		2
SRK-FD31	6/6/2003	6.82	5490	10.4	201	120	5260	7.16	274	301	16.7	4560	<0.2	<0.2	<0.2	0.02	<0.005	<0.6	<0.1	0.06	517	<0.01	0.38	0.04	28.2	<0.05	0.12	655	48.6	<0.03	0.58	<0.3	14	<0.2	6.93	<0.01	56	3.41	0.2	<0.03	<0.01		<0.03	162		2
SRK-FD31	9/13/2003	6.9	5620	6.4	230	120	5430	7.2	207	331	16.1	4110	<0.2	<0.2	<0.2	0.02	<0.005	<0.9	<0.1	0.03	519	<0.01	0.41	0.03	22.9	<0.05	0.13	694	49.9	<0.03	0.58	<0.3	15	<0.2	7.21	<0.01	58	3.76	<0.3	<0.03	<0.01		<0.03	152		2
SRK-FD31	5/27/2004	6.28	6260	7.7	273	300	5630	7	603	204	12.3	4190	<0.4	<0.4	<0.4	0.025	<0.01	<0.4	<0.2	0.331	509	<0.02	0.825	0.638	27.1	<0.1	0.18	726	63.3	<0.06	1.25	<0.6	15.2	<0.4	7.51	<0.02	48.7	3.75	<0.4	<0.06	<0.02		<0.06	393		2
SRK-FD31	9/26/2004	6.62	6680	5	218	78	6260	6.91	639	127	14	5110	<0.4	<0.4	<0.6	<0.02	<0.01	<0.4	<0.2	0.044	445	<0.02	0.644	0.027	112	<0.1	0.133	669	61.5	<0.06	0.81	<0.6	14.5	<0.4	6.22	<0.02	48.5	3.12	<0.8	<0.06	<0.02		<0.1	336		2
SRK-FD31	5/18/2005	6.36	7200	7.5	328	360	6920	6.88	780	101	25	6290	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.289	471	0.030	1.04	0.736	81.8	<0.10	0.196	757	73.0	<0.060	1.43	<0.60	13.4	<0.40	6.95	<0.020	48.8	3.15	<0.40	<0.060	<0.020		0.122	525		2
SRK-FD31	9/13/2005	6.4	6880	10.2	289		6380	6.15	770	123	13	5580	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.113	504	<0.020	0.98	<0.020	120.0	<0.10	0.216	873	84.9	<0.060	1.19	<0.60	16.0	<0.40	6.99	<0.020	63.2	3.51	<0.60	<0.060	<0.020		<0.060	501		2
SRK-FD31	5/25/2006	5.92	6820	5.8	376	33	6550	6.41	804	16.2	13.3	5440	<0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.309	474	<0.02	0.929	0.453	61.6	<0.1	0.176	807	84.8	<0.06	1.10	<0.6	28.8	<0.4	6.71	<0.02	78.6	3.84	<0.4	<0.06	<0.02		<0.06	569		2
SRK-FD31	9/24/2006	6.92	6530	6.3		14.5	6080	7.01	462	185	<25	4990	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.047	471	<0.020	0.702	<0.020	72.1	<0.10	0.149	765	70.2	<0.060	0.83	<0.60	13.3	<0.40	6.22	<0.020	62.1	3.12	<0.40	0.306	<0.020		0.089	290		2
SRK-FD31	5/29/2007	6.36	6580	7.8	198	50	7330	6.44	650	214	17.4	5350	0.003	<0.0002	0.0014	0.014	<0.0002	<0.0002	<0.01	0.061	504	<0.0002	0.610	0.025	66.6	<0.0002	0.150	834	70.5	0.0083	0.67	<0.03	16.2	0.0049	8.22	0.00062	58.4	4.38	0.0015	<0.0002	0.0007		<0.0002	329		2
SRK-FD31	9/14/2007	6.24	6330	5.7	42	50	6010	6.42	423	332	<50	5010	<0.05	<0.005	<0.005	0.0159	<0.025	<0.025	<0.5	0.046	487	<0.025	0.696	0.023	43.9	0.0068	<0.25	809	74.0	<0.0025	0.82	<0.6	16.3	<0.05	7.54	<0.0005	62.2	4.24	<0.005	<0.005	<0.02		<0.05	261		2
SRK-FD31	5/14/2008	5.82	7700	3.2	107	20	7200	5.80	1590	011	9.2	6600	0.686	<0.0002	0.0043	0.024	0.0032	<0.00005	<0.5	1.100	455	<0.001	1.280	6.95	63.0	0.00026	0.186	731	76.1	<0.0005	1.49		14.2	0.0007	8.77	0.00036	40.0	3.74	0.00194	<0.0001	0.006	0.0153	<0.002	967	<0.001	3
SRK-FD31	9/14/2008	6.91	6920	7.1	137	202	7300	6.10	1660	045	8.4	7260	<0.02	<0.002	<0.002	0.018	<0.001	<0.0005	<5	0.199	545	<0.01	1.260	0.138	137.0	0.0007	0.204	1000	89.8	<0.005	1.56		17	<0.004	<10	<0.0005	53.0	4.13	0.0017	<0.001	<0.05	0.0105	<0.02	720	<0.01	3
SRK-FD32	9/10/2002	6.38	3580	9.6	81	60	3410	4.86	2160	13	2.6	2790	<0.6	<0.6	<0.6	<0.03	<0.02	<0.6	<0.3	0.46	322	<0.03	0.5	<0.03	89.9	<0.2	0.07	168	36.5	<0.09	0.6	<0.9	8	<0.6	4.2	<0.03	42	1.25	<0.6	<0.09	<0.03		<0.09	581		2
SRK-FD33	9/11/2002	5.96	4540	6.2	85	30	4250	5.36	1590	31	2.9	3620	<1	<1	<1	<0.05	<0.03	<1	<0.5	0.88	355	<0.05	0.9	0.34	236	<0.3	0.12	221	63.4	<0.2	0.8	<2	<10	<1	6.5	<0.05	50	1.54	<1	<0.2	<0.05		<0.2	1110		3
SRK-FD33	6/8/2003	5.49	5010	10.9	524	Trace	5210	5.82	2780	14	4.7	5340	4	<4	<4	<0.2	<0.1	<4	<2	6.9	475	<0.2	1.7	3.1	1.3	2	<0.2	211	64.2	<0.6	<1	<6	<40	<4	9	<0.2	46	0.7	<4	<0.6	<0.2		<0.6	2260		3
SRK-FD33	5/26/2004	5.05	10760	13	376	0.5	10400	4.01	6100	12.8	<0.5	10000	7.5	<6	<6	<0.3	<0.15	<6	<3	4.55	508	<0.3	2.92	1.38	456	2.3	<0.3	484	161	<0.9	2.3	<9	<60	<6	11.9	<0.3	<60	1.73	<6	<0.9	<0.3		<0.9	4900		3
SRK-FD33	5/18/2005	3.75	13910	13.9	565	Trace	14000	3.18	11600	<2.0	<5.0	16600	54.5	<2.0	<2.0	<0.10	<0.050	<2.0	<1.0	5.71	448	0.43	3.52	5.96	850	1.99	0.31	485	198	<0.50	3.49	<3.0	<20	<2.0	25.6	<0.10	22	1.43	<2.0	<0.30	<0.10		<0.30	6770		3
SRK-FD33	5/14/2008	3.37	5300	4.5	387	1	05000	3.10	03430	<0.5	1.1	04400	52.8	0.0048	0.0519	0.0147	0.00823	<0.00003	<0.3	1.65	187	0.05	0.78	5.58	368	1.45	0.10	093	030	<0.0003	0.68		0.94	0.001	13.3	0.0014	17	0.41	0.00822	0.0001	<0.003	0.0249	0.006	1280	<0.0005	3
SRK-FD33	9/14/2008	3.02	7140	7.9	353	30	07600	3.10	03680	<0.5	6.2	06870	13.0	0.003	0.04	0.006	0.001	<0.0005	<5	0.56	374	0.01	2.00	0.40	479	0.95	0.16	447	109	<0.005	1.99		11	<0.004	14.0	0.0007	216	2.38	0.0111	<0.001	<0.05	0.0036	<0.02	1600	<0.01	3
SRK-FD34	9/11/2002	5.95	1242	4.6	152	60	1190	6.63	227	8	0.5	700	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	0.12	107	<0.01	0.08	0.14	33.9	0.36	0.02	38.8	5.67	<0.03	0.08	<0.3	3	<0.2	2.06	<0.01	14	0.347	<0.2	<0.03	<0.01		<0.03	128		3
SRK-FD34	9/13/2005	3.43	1658	9.8	666	7.8	1760	3.09	478	<2.0	<5.0	1060	2.61	<0.20	<0.20	0.055	<0.0050	<0.20	<0.10	0.082	79.6	0.017	0.229	0.394	67.4	1.25	0.018	40.0	10.3	<0.030	0.206	<0.30	<2.0	<0.20	2.16	<0.010	11.6	0.232	<0.20	<0.030	<0.010		<0.040	155		3
SRK-FD35	9/11/2002	6.22	1654	7	266	30	1600	6.54	37	33	1.7	962	0.3	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	<0.01	272	<0.01	0.03	0.07	1.42	<0.05	0.03	51.1	3.84	<0.03	<0.05	<0.3	7	<0.2	11.9	<0.01	34	0.715	<0.2	<0.03	<0.01		<0.03	13.7		2
SRK-FD35	5/26/2004	3.03	11320	7.3	578	-0.1	8990	2.95	6290	<1	2.08	9220	216	<2	2.1	<0.1	<0.05	<2	<1	2.79	392	<0.1	2.77	8.33	1750	1.64	0.19	269	109	<0.3	1.55	<3	<20	<2	39	<0.1	35	0.976	<2	<0.3	<0.1		<0.3	1660		3
SRK-FD35	9/27/2004	5.09	5320	10	491	0.1	2500	5.43	213	8.7	<5	1700	2.41	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.127	458	<0.01	0.091	0.117	1.5	0.609	0.045	81.4	7.31	<0.03	0.087	<0.3	7	<0.2	6.86	<0.01	44.9	1.31	<0.2	<0.03	<0.01		<0.03	99.3		3
SRK-FD35	9/13/2005	6.46	1622	10.9	367	2.5	1550	6.92	34.6	53.2	<5.0	945	<0.20	<0.20	<0.20	0.010	<0.0050	<0.20	<0.10	0.010	259	<0.010	0.030	0.035	3.15	<0.050	0.038	37.5	2.95	<0.030	<0.050	<0.30	6.3	<0.20	7.84	<0.010	28.5	0.745	<0.20	<0.030	<0.010		<0.030	14.6		2
SRK-FD36	9/11/2002	2.75	3540	5.5	521	10	3410	2.78	1530	<1	19.4	2810	38.9	<0.2	<0.2	<0.01	0.011	<0.2	<0.1	0.23	250	0.12	0.52	4.2	274	1.17	0.14	120	13.6	<0.03	1.05	<0.3	5	<0.2	23.3	<0.01	6	0.7	<0.3	<0.03	<0.01		<0.03	151		3
SRK-FD36	6/8/2003	2.63	4650	7.6	752	0.75	4250	2.72	2500	<1	23.8	3460	73	<0.2	<0.2	<0.01	0.021	<0.2	<0.1	0.37	361	0.2	0.87	6.75	416	1.37	0.25	216	25	<0.03	1.6	0.6	7	<0.2	29.6	<0.01	8	1.01	0.4	<0.03	0.01		<0.03	222		3
SRK-FD37	9/11/2002	2.44	12740	10.1	438	300	12700	2.66	12500	<1	<0.5	16500	117	<6	28	<0.3	<0.2	<6	<3	12.6	268	<0.3	4.8	133	1780	<2	<0.3	310	166	<0.9	5	<9	<60	<6	29	<0.3	<60	0.5	<6	<0.9	<0.3		<0.9	6130		3
SRK-FD37	6/8/2003	2.38	11980	7.8	663	120	10300	2.59	10900	<1	<0.5	13200	71.1	0.3	9.7	<0.01	0.009	<0.2	0.5	10	216	<0.01	3.23	120	1040	0.6	0.13	235	132	<0.03	3.17	3.2	<2	0.7	16.7	0.1	<2	0.283	0.6	<0.03	<0.01		<0.03	7840		3
SRK-FD37	5/17/2005	2.7	19500	12.5	619	15	17500	2.85	19900	<2.0	<50	20800	196	<4.0	30.0	<0.20	<0.10	<4.0	<2.0	23.1	265	0.82	8.10	274	1790	<1.0	0.26	501	311	<0.80	7.9	<6.0	<40	<4.0	22.2	<0.20	<40	0.42	<4.0	<0.60	<0.20		<0.60	11700		3
SRK-FD37	9/14/2005	2.28	28800	14.6	655		24400	2.36	30300	<2.0	<50	40700	259	<10	63	<0.50	<0.25	<10	<5.0	31.6	297	1.18	11.5	256	2910	<2.5	<0.50	823	408	<1.5	11.1	<15	<100	<10	37.1	<0.50	<100	0.42	<10	<1.5	<0.50		<1.5	14200		3
SRK-FD37	5/24/2006	0.9	21900	11.6	459	trace	24400	2.52	32200	<2	<500	37000	413	<10	234	<0.5	<0.25	<10	<5	26.5	319	<0.5	10.7	549	5190	4.4	<0.5	670	391	<1.5	9.7	<15	<100	<10	33.1	<0.5	<100	0.39	<10	<1.5	<0.5		<1.5	15800		3
SRK-FD37	9/14/2007	2.05	35300	6.8	413	trickle	32000	2.28	47300	<2	<2500	59800	578	1.53	450	<0.25	<2.5	<2.5	<50	36.1	345	<2.5	14.4	492	9440	4.9	<25	738	456	<0.25	12.7	15.1	<40	<5	59.6	<0.05	<40	<0.6	<0.5	<0.5	0.23		<5	21100		3
SRK-FD37	5/14/2008	2.71		5.3	422	1	23000	2.60	31700	<0.5	5	32000	295	0.543	140	0.022	0.0349	0.0007	<3	25.1	251	0.26	08.8	373	3540	2.1	0.364	532	333	0.018	8.2		<0.5	0.014	30.0	0.0102	3.4	0.30	0.0029	0.0134	<0.03	1.08	00000	14500	0.024	3
SRK-FD37	9/14/2008	1.54	>3999	9.1	396	Trace	35000	2.40	53100	<0.5	<5	67200	544	0.516	117	<0.1	0.05	<0.03	<300	56.7	348	<0.5	16.9	559	5480	2.4	<3	1100	656	<0.3	15.8		<50	<0.2	<500	<0.03	<50	0.47	<0.01	<0.05	3.09	1.66	<1	34800	<0.5	3
SRK-FD38	9/12/2002	7	3970	8.6	313	2.5	3830	6.83	792	83	0.7	3380	<0.6	<0.6	<0.6	<0.03	<0.02	<0.6	<0.3	0.62	504	<0.03	0.53	0.06	<0.09	<0.2	0.13	215	44.4	<0.09	0.9	<0.9	10	<0.6	6.3	<0.03	11	1.78	<0.6	<0.09	<0.03		<0.09	595		2
SRK-FD38B	6/8/2003	3.07	2440	6.8	689	10	2240	3.21	740	<1	<0.5	1690	9.1	<0.2	<0.2	<0.01	0.005	<0.2	<0.1	0.45	235	<0.01	0.26	2.38	33.8	1.78	0.06	67.9	16	<0.03	0.32	<0.3	4	<0.2	5.51	<0.01	3	0.499	<0.2	<0.03	<0.01		<0.03	287		3

Sample ID	Date Sampled	pH (WTW)	Cond (uS/cm)	Temp (C)	ORP (mV)	Flow (L/min)	Cond (uS/cm)	Lab pH	Acidity (to pH 8.3) CaCO3	Alkalinity CaCO3	Cl	SO4	Al
	Min. detection level						2	0.01	1	0.5	0.5	0.5	0.002
	Units	s.u.	uS/cm	0C	mV	L/min	uS/cm	s.u.	mg/L	mg/L	mg/L	mg/L	mg/L
SRK-FD40	9/13/2002	3.23	938	4.9	540	>1000	877	3.52	135	<1	<0.5	445	4
SRK-FD40	6/6/2003	3.35	789	1.4	738	Lots	780	3.5	117	<1	0.7	379	4.1
SRK-FD40	9/12/2003	6.2	692	3.1	494	120	676	7.24	43	29	0.5	334	<0.2
SRK-FD40	6/3/2004	3.53	1664	8.6	720	900	1790	3.14	318	<1	0.83	926	13.5
SRK-FD40	9/26/2004	7.01	1192	2.8	443	30	1190	7.04	77.8	27.8	<5	661	<0.2
SRK-FD40	5/16/2005	2.83	2510	1.8	767	600	2360	2.80	672	<2.0	<5.0	1340	26.0
SRK-FD40	9/13/2005	6.9	1100	8.2	403	>150	1060	6.47	75.3	25.3	<2.5	612	0.48
SRK-FD40	5/24/2006	2.89	2160	2.1			1970	2.88	566	<2	<2.5	1070	19.0
SRK-FD40	9/20/2006	5.81	923	3.2	330	2	903	7.05	53.6	21.2	<0.50	471	<0.20
SRK-FD40	5/28/2007	3.5	934	1.6	691	>1	765	3.14	152.0	<0.5	0.46	403	5.22
SRK-FD40	9/13/2007	3.24	943	5.9	448	>1000	867	3.56	145.0	<2	<0.5	425	5.32
SRK-FD40	5/14/2008	2.73	3700	2.5	557	500	3300	2.70	1220.0	<0.5	<0.5	2000	39.2
SRK-FD40	9/14/2008	2.67	1462	5	539	600	1400	3.00	319.0	<0.5	<0.5	747	11.2
SRK-FD44	6/8/2003	7.1	2470	7.7	621	1	2290	6.84	99	83	<0.5	1850	<0.2
SRK-FD44	5/26/2004	6.47	974	8	291	4	1060	7.91	6.5	57.4	<0.5	472	<0.2
SRK-FD44	5/16/2005	7	1870	7.6	395	6.5	1880	7.24	30.6	95.1	<5.0	939	<0.20
SRK-FD44	5/23/2006	6.72	1851	10.9	181	3.5	1790	7.48	68.8	40.9	<2.5	1140	<0.2
SRK-FD46	9/13/2003	2.88	5750	5.6	652	15	5670	2.8	6550	<1	5.5	5040	71
SRK-FD47	5/26/2004	3.08	1940	13.3	560	Trace	1940	3.11	392	<1	1.76	1130	13.5
SRK-FD47	5/18/2005	3.48	1637	5	666	Trace	1690	3.25	182	<2.0	1.40	905	6.23
SRK-FD47	5/23/2006	3.09	1660	13.8	490	0	1600	3.12	371	<2	<2.5	867	10.0
SRK-FD48	5/26/2004	6.53	1748	2.5	339	12.5	1750	7.29	20.8	135	0.59	910	<0.2
SRK-FD49	5/28/2004	6.05	9030	10.3	421	Trace	8970	6.29	122	22.1	<0.5	8180	1.17
SRK-FD49	5/18/2005	5.15	5150	9.9	477	Trace	5060	6.86	154	47.8	<10	4070	2.82
SRK-FD50	5/30/2004	7.35	1190	11.1	352	Trace	1200	8.16	2.6	211	<0.5	476	<0.2
SRK-FD50	5/24/2006	7.83	1050	8.1	162	trace	1020	8.08	4.0	184	<0.5	424	<0.2
SRK-FD51	9/14/2008	6.34	656	6.3	178	11.1	0670	7.30	017	31.0	0.8	0354	0.07
SRK-FD52	9/16/2008	6.43	8620	5.9	116	Trace	9500	7.10	84.5	042	<0.5	10920	0.047

Sample ID	Date Sampled	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg
	Min. detection level	0.0001	0.0002	0.01	0.00001	0.000005	0.01	0.00002	0.05	0.0001	0.00003	0.0005	0.0002	0.0002	0.003	0.1
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK-FD40	9/13/2002	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.07	33.6	<0.01	0.13	0.58	2.51	0.1	0.02	52.5
SRK-FD40	6/6/2003	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	0.06	23.2	<0.01	0.12	0.53	3.91	0.08	0.01	47.1
SRK-FD40	9/12/2003	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.02	69.7	<0.01	<0.01	0.01	<0.03	<0.05	0.01	37
SRK-FD40	6/3/2004	<0.2	<0.2	0.025	0.0079	<0.2	<0.1	0.154	99.7	<0.01	0.233	1.95	29.5	0.394	0.052	105
SRK-FD40	9/26/2004	<0.2	<0.2	0.018	<0.005	<0.2	<0.1	0.034	124	<0.01	<0.01	0.032	<0.03	0.093	0.028	75.9
SRK-FD40	5/16/2005	<0.20	<0.20	0.018	0.0093	<0.20	<0.10	0.206	72.4	0.029	0.384	3.24	85.0	0.423	0.060	125
SRK-FD40	9/13/2005	<0.20	<0.20	0.015	<0.0050	<0.20	<0.10	0.043	110	<0.010	0.019	0.111	<0.030	<0.050	0.018	60.7
SRK-FD40	5/24/2006	<0.2	<0.2	0.018	0.0068	<0.2	<0.1	0.136	49.8	0.023	0.293	2.55	75.0	0.292	0.049	88.8
SRK-FD40	9/20/2006	<0.20	<0.20	0.017	<0.0050	<0.20	<0.10	0.035	83.7	<0.010	<0.010	0.021	<0.030	<0.050	0.021	47.1
SRK-FD40	5/28/2007	<0.0002	0.0004	0.024	0.0019	<0.0002	<0.01	46.700	24.3	0.0041	0.095	0.734	10	0.131	0.016	28.8
SRK-FD40	9/13/2007	<0.001	<0.001	0.039	<0.005	<0.005	<0.1	0.058	42.4	<0.005	0.121	0.652	1.07	0.162	<0.05	50.9
SRK-FD40	5/14/2008	0.0001	0.0036	0.016	0.017	<0.00003	<0.3	0.332	68.3	0.0419	0.652	5.130	162	0.752	0.101	178.0
SRK-FD40	9/14/2008	<0.0004	0.0015	0.026	0.0045	<0.0001	<1	0.110	47.2	0.009	0.219	1.490	29.3	0.118	0.035	70.6
SRK-FD44	6/8/2003	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	0.04	300	<0.01	0.12	<0.01	0.04	<0.05	0.16	215
SRK-FD44	5/26/2004	<0.2	<0.2	0.013	<0.005	<0.2	<0.1	<0.01	89.1	<0.01	0.016	<0.01	0.101	<0.05	0.062	69.4
SRK-FD44	5/16/2005	<0.20	<0.20	0.011	<0.0050	<0.20	<0.10	0.024	188	<0.010	0.061	0.011	0.041	<0.050	0.124	163
SRK-FD44	5/23/2006	<0.2	<0.2	0.013	<0.005	<0.2	<0.1	0.042	149	<0.01	0.123	0.025	1.12	<0.05	0.131	159
SRK-FD46	9/13/2003	<2	<2	<0.1	<0.05	<2	<1	1.8	190	<0.1	1.2	7.8	385	0.9	0.2	293
SRK-FD47	5/26/2004	<0.2	<0.2	0.024	0.0126	<0.2	<0.1	0.04	160	0.014	0.584	2.15	98.8	0.861	0.092	65.8
SRK-FD47	5/18/2005	<0.20	<0.20	0.018	<0.0050	<0.20	<0.10	0.018	178	<0.010	0.226	0.847	38.2	0.239	0.057	88.2
SRK-FD47	5/23/2006	<0.2	<0.2	0.023	0.0065	<0.2	<0.1	0.019	104	0.017	0.298	1.66	98.4	0.297	0.057	61.7
SRK-FD48	5/26/2004	<0.2	<0.2	0.014	<0.005	<0.2	<0.1	<0.01	126	<0.01	0.031	<0.01	<0.03	<0.05	0.18	120
SRK-FD49	5/28/2004	<0.6	<0.6	<0.03	<0.015	<1.5	<0.3	0.091	368	<0.03	0.56	0.075	0.948	<0.15	0.419	1750
SRK-FD49	5/18/2005	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	0.080	302	<0.010	0.328	0.420	3.75	0.163	0.283	717
SRK-FD50	5/30/2004	<0.2	<0.2	0.024	<0.005	<0.2	<0.1	<0.01	91.9	<0.01	<0.01	<0.01	<0.03	<0.05	0.11	97.7
SRK-FD50	5/24/2006	<0.2	<0.2	0.021	<0.005	<0.2	<0.1	<0.01	80.7	<0.01	<0.01	<0.01	<0.03	<0.05	0.094	99.4
SRK-FD51	9/14/2008	0.00006	0.00016	0.0184	0.00009	<0.000005	<0.05	0.013	081	<0.0001	0.012	0.108	0.02	0.044	0.027	035
SRK-FD52	9/16/2008	<0.0002	0.0007	0.045	<0.0001	<0.00005	<0.5	0.00249	520.0	<0.001	0.0509	0.0034	0.133	0.00485	0.320	2040.0

Sample ID	Date Sampled	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr	Water Type
	Min. detection level	0.005	0.00005	0.00002	0.03	0.05	0.0002	0.05	0.000005	2	0.3	0.0001	0.00001	0.0002	0.000002	0.0002	0.005	0.0001	
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
SRK-FD40	9/13/2002	3.79	<0.03	0.12	<0.3	<2	<0.2	8.02	<0.01	3	0.154	<0.2	<0.03	<0.01		<0.03	46.7		3
SRK-FD40	6/6/2003	3.19	<0.03	0.1	<0.3	<2	<0.2	5.82	<0.01	2	0.118	<0.2	<0.03	<0.01		<0.03	38.9		3
SRK-FD40	9/12/2003	0.037	<0.03	0.06	<0.3	<2	<0.2	9.25	<0.01	3	0.19	<0.2	<0.03	<0.01		<0.03	20.7		2
SRK-FD40	6/3/2004	6.63	<0.03	0.268	<0.3	<2	<0.2	12.8	<0.01	4.4	0.404	<0.2	<0.03	<0.01		<0.03	108		3
SRK-FD40	9/26/2004	0.12	<0.03	0.156	<0.3	<2	<0.2	9.58	<0.01	4.6	0.362	<0.2	<0.03	<0.01		<0.03	44.2		2
SRK-FD40	5/16/2005	8.48	<0.030	0.298	<0.30	<2.0	<0.20	7.00	<0.010	2.4	0.373	<0.20	<0.030	<0.010		<0.030	121		3
SRK-FD40	9/13/2005	0.708	<0.030	0.123	<0.30	<2.0	<0.20	9.66	<0.010	4.1	0.295	<0.20	<0.030	<0.010		<0.030	35.3		2
SRK-FD40	5/24/2006	6.41	<0.03	0.225	<0.3	<2	<0.2	5.72	<0.01	<2	0.256	<0.2	<0.03	<0.01		<0.03	89.5		3
SRK-FD40	9/20/2006	0.178	<0.030	0.098	<0.30	<2.0	<0.20	9.19	<0.010	3.0	0.244	<0.20	<0.030	<0.010		<0.030	32.4		2
SRK-FD40	5/28/2007	2.150	0.0002	0.076	<0.03	1.17	0.001	4.12	0.00012	1.6	0.158	0.00027	<0.0002	<0.0002		<0.0002	33.7		3
SRK-FD40	9/13/2007	3.080	<0.0005	0.122	<0.3	<2	<0.01	9.11	<0.0001	3.6	0.198	<0.001	<0.001	<0.01		<0.01	40.3		3
SRK-FD40	5/14/2008	13.400	<0.0003	0.477		1.65	0.0008	8.44	0.00038	2.9	0.343	0.00085	<0.00005	<0.003	0.045	<0.001	199	0.0006	3
SRK-FD40	9/14/2008	4.940	<0.001	0.173		1.1	<0.0008	7.85	0.0001	3.4	0.237	0.00029	<0.0002	0.022	0.00986	<0.004	81	<0.002	3
SRK-FD44	6/8/2003	5.73	<0.03	0.16	<0.3	15	<0.2	1.18	<0.01	11	1.68	<0.2	<0.03	<0.01		<0.03	28.2		2
SRK-FD44	5/26/2004	0.519	<0.03	<0.05	<0.3	5.7	<0.2	0.525	<0.01	3.1	0.485	<0.2	<0.03	<0.01		<0.03	3.07		1
SRK-FD44	5/16/2005	2.61	<0.030	0.099	<0.30	7.6	<0.20	0.709	<0.010	4.8	0.878	<0.20	<0.030	<0.010		0.033	16.2		2
SRK-FD44	5/23/2006	5.86	<0.03	0.180	<0.3	6.5	<0.2	0.801	<0.01	3.6	0.761	<0.2	<0.03	<0.01		<0.03	33.9		2
SRK-FD46	9/13/2003	78.4	<0.3	1.5	<3	<20	<2	3.7	<0.1	<20	0.33	<2	<0.3	0.1		<0.3	1380		3
SRK-FD47	5/26/2004	11.7	<0.03	0.54	<0.3	5.6	<0.2	8.25	<0.01	<2	0.651	<0.2	<0.03	<0.01		<0.03	24.2		3
SRK-FD47	5/18/2005	5.75	<0.030	0.224	<0.30	6.1	<0.20	3.52	<0.010	3.1	0.798	<0.20	<0.030	<0.010		<0.030	9.22		3
SRK-FD47	5/23/2006	6.01	<0.03	0.306	<0.3	3.9	<0.2	4.04	<0.01	<2	0.479	<0.2	<0.03	<0.01		<0.03	10.7		3
SRK-FD48	5/26/2004	1.19	<0.03	0.061	<0.3	9.3	<0.2	1.06	<0.01	65.1	1.46	<0.2	<0.03	<0.01		<0.03	10.8		2
SRK-FD49	5/28/2004	26.3	<0.09	1.84	<0.9	21.4	<0.6	2.33	<0.03	10.9	1.22	<0.6	<0.09	<0.03		<0.09	73.6		2
SRK-FD49	5/18/2005	11.9	<0.030	0.632	<0.30	16.0	<0.20	2.62	<0.010	6.3	0.771	<0.20	<0.030	<0.010		<0.030	73.0		3
SRK-FD50	5/30/2004	<0.005	<0.03	<0.05	<0.3	8.6	<0.2	0.643	<0.01	8.4	1.19	<0.2	<0.03	<0.01		<0.03	0.0678		1
SRK-FD50	5/24/2006	<0.005	<0.03	<0.05	<0.3	7.5	<0.2	0.552	<0.01	8.7	1.11	<0.2	<0.03	<0.01		<0.03	0.0448		1
SRK-FD51	9/14/2008	00.1	<0.00005	0.014		2.9	00.0	5.40	0.00001	3.9	0.288	0.000347	<0.00001	<0.0005	0.000182	<0.0002	05.0	<0.0001	2
SRK-FD52	9/16/2008	5.2	<0.0005	0.728		25.4	0.0	9.420	<0.00005	13.3	2.37	0.00012	<0.0001	0.009	0.00024	0.003	38.2000	<0.001	2

Sample ID	Date Sampled	Cond (uS/cm)	Lab pH	Acidity (to pH 8.3) CaCO3	Alkalinity-Total CaCO3	Chloride Cl	Sulphate SO4	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr	Water Type
	Min. detection level	2	0.01	1	0.5	0.5	0.5	0.002	0.0001	0.0002	0.01	0.00001	5E-06	0.01	0.00002	0.05	0.0001	0.00003	0.0005	0.0002	0.0002	0.003	0.1	0.005	5E-05	2E-05	0.03	0.05	0.0002	0.05	0.000005	2	0.3	0.0001	0.00001	0.0002	2E-06	0.0002	0.005	0.0001	
	Units	uS/cm	s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
SRK-GD01	6/11/2002	2080	7.66	38	337	1.7	1220	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	283	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	141	0.059	<0.03	0.26	<0.3	5	<0.2	3.98	<0.01	7	0.914	<0.2	<0.03	<0.01		<0.03	5.07		1b
SRK-GD01	9/11/2002	2460	7.27	69	497	1.5	1200	<0.2	<0.2	<0.2	0.06	<0.005	<0.4	<0.1	<0.01	351	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	216	0.062	<0.03	0.29	<0.3	8	<0.2	4.09	<0.01	9	1.31	<0.2	<0.03	<0.01		<0.03	2.48		1b
SRK-GD01	6/4/2003	2530	7.82	25	534	2.2	1320	<0.2	<0.2	<0.2	0.05	<0.005	<0.2	<0.1	<0.01	316	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	223	0.044	<0.03	0.43	<0.3	8	<0.2	4.36	<0.01	10	1.3	<0.2	<0.03	<0.01		<0.03	4.58		1b
SRK-GD01	09/14/2003	2530	8.09	16	559	2.4	1210	<0.2	<0.2	<0.2	0.05	<0.005	<0.2	<0.1	<0.01	367	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	233	0.053	<0.03	0.34	<0.3	8	<0.2	4.46	<0.01	10	1.48	<0.2	<0.03	<0.01		<0.03	2.98		1b
SRK-GD01	5/28/2004	2030	7.44	44.2	255	1.17	1080	<0.2	<0.2	<0.2	0.037	<0.005	<0.2	<0.1	<0.01	259	<0.01	0.05	<0.01	<0.03	<0.05	0.018	146	0.998	<0.03	0.43	<0.3	5.4	<0.2	2.83	<0.01	5	0.912	<0.2	<0.03	<0.01		<0.03	17.2		1b
SRK-GD01	9/23/2004	2700	7.77	23	583	<5	1270	<0.2	<0.2	<0.2	0.043	<0.005	<0.2	<0.1	<0.01	348	<0.01	<0.01	<0.01	<0.03	<0.05	0.027	239	0.056	<0.03	0.351	<0.3	8.3	<0.2	4.08	<0.01	10.1	1.36	<0.2	<0.03	<0.01		<0.03	3.69		1b
SRK-GD01	5/15/2005	2170	7.69	21.8	290	<5.0	1100	<0.20	<0.20	<0.20	0.051	<0.0050	<0.20	<0.10	<0.010	291	<0.010	0.016	<0.010	<0.030	<0.050	0.022	173	0.353	<0.030	0.295	<0.30	4.2	<0.20	2.93	<0.010	5.3	0.897	<0.20	<0.030	<0.010		0.037	10.7		1b
SRK-GD01	9/16/2005	2730	7.79	19.1	566	<5.0	1390	<0.20	<0.20	<0.20	0.035	<0.0050	<0.20	<0.10	<0.010	332	<0.010	<0.010	<0.010	<0.030	<0.050	0.022	248	0.0502	<0.030	0.355	<0.30	5.7	<0.20	3.90	<0.010	9.1	1.14	<0.20	<0.030	<0.010		<0.050	3.11		1b
SRK-GD01	5/25/2006	3130	7.85	34.9	588	<5	1630	<0.2	<0.2	<0.2	0.040	<0.005	<0.2	<0.1	<0.01	343	<0.01	<0.01	<0.01	0.038	<0.05	0.015	289	0.0828	<0.03	0.336	<0.3	8.0	<0.2	3.23	<0.01	11.1	1.19	<0.2	<0.03	<0.01		<0.03	3.10		1b
SRK-GD01	9/19/2006	2620	7.63	22.5	552	1.23	1320	<0.20	<0.20	<0.20	0.043	<0.0050	<0.20	<0.10	<0.010	317	<0.010	<0.010	<0.010	<0.030	<0.050	0.030	253	0.0449	<0.030	0.334	<0.30	6.9	<0.20	3.83	<0.010	10.0	1.23	<0.20	0.099	<0.010		<0.030	2.76		1b
SRK-GD01	5/26/2007	2880	7.61	65.0	535	1.28	1460	0.002	0.0009	0.0032	0.033	<0.0002	<0.0002	<0.01	0.00075	328	<0.0002	0.0026	0.0033	0.77	0.0013	0.032	280	0.0300	0.0012	0.337	<0.03	7.2	0.0027	4.57	<0.00005	10.3	1.19	0.0003	<0.0002	0.0005		0.0005	2.59		1b
SRK-GD01	9/12/2007	2700	7.68	40.3	570	<50	1370	<0.005	0.001	0.0033	0.033	<0.0025	<0.0025	<0.05	0.00123	349	<0.0025	0.00126	0.002	<0.03	0.00153	0.027	274	0.0299	0.0009	0.278	<0.3	7.5	<0.005	4.16	<0.00005	10.3	1.29	<0.0005	<0.0005	<0.01		<0.005	2.60		1b
SRK-GD01	5/15/2008	2100	8.20	08.9	350	1.40	0890	0.0018	0.0009	0.0028	0.032	<0.00001	<0.000005	<0.05	0.00197	255	<0.0001	0.00183	0.003	0.009	0.00104	0.025	182	0.0236	0.0013	0.213		6.28	0.001	3.59	<0.000005	07.0	0.91	0.000285	<0.00001	<0.0005	0.0287	<0.0002	2.72	0.00	1b
SRK-GD01	9/15/2008	2700	7.90	58.1	430	1.60	1686	0.003	0.001	0.003	0.028	<0.00005	<0.00003	<0.3	0.00208	355	<0.0005	0.00468	0.0021	0.011	0.00132	0.030	286	0.0593	0.0012	0.411		6.57	0.001	4.05	<0.00003	09.3	1.23	0.00034	<0.00005	0.003	0.0428	<0.001	6.69	0.00	1b
SRK-GD02	6/11/2002	2430	8.02	19	494	1.8	1100	<0.2	<0.2	<0.2	0.04	<0.005	<0.2	<0.1	<0.01	302	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	206	0.121	<0.03	0.34	<0.3	8	<0.2	3.74	<0.01	10	1.2	<0.2	<0.03	<0.01		<0.03	2.76		1b
SRK-GD02	9/11/2002	1580	7.56	27	278	0.9	665	<0.2	<0.2	<0.2	0.04	<0.005	<0.4	<0.1	<0.01	335	<0.01	<0.01	<0.01	<0.03	<0.05	0.01	213	0.114	<0.03	0.32	<0.3	7	<0.2	3.89	<0.01	9	1.26	<0.2	<0.03	<0.01		<0.03	2.31		1b
SRK-GD02	9/14/2003	2580	8.07	16	574	2.4	1340	<0.2	<0.2	<0.2	0.06	<0.005	<0.2	<0.1	<0.01	380	<0.01	<0.01	<0.01	<0.03	<0.05	0.01	251	<0.005	<0.03	0.29	<0.3	8	<0.2	4.45	<0.01	10	1.58	<0.2	<0.03	<0.01		<0.03	2.31		1b
SRK-GD04	6/11/2002	3220	8.06	18	477	1.9	1350	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	<0.01	352	<0.01	0.03	<0.01	<0.03	<0.05	0.04	347	0.207	<0.03	0.42	<0.3	10	<0.2	3.65	<0.01	16	1.59	<0.2	<0.03	<0.01		<0.03	3.68		1b
SRK-GD05	6/11/2002	2570	8.14	13	527	2.2	1220	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	358	<0.01	<0.01	<0.01	<0.03	<0.05	0.04	211	0.189	<0.03	0.59	<0.3	8	<0.2	5.66	<0.01	14	1.52	<0.2	<0.03	<0.01		<0.03	3.54		1b
SRK-GD05	9/11/2002	2470	7.88	28	600	1.9	1080	<0.2	<0.2	<0.2	0.02	<0.005	<0.3	<0.1	<0.01	349	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	199	0.008	<0.03	0.51	<0.3	7	<0.2	6.06	<0.01	11	1.41	<0.2	<0.03	<0.01		<0.03	2.65		1b
SRK-GD05B	6/4/2003	2480	8.04	15	638	2.4	1230	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	312	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	199	0.007	<0.03	0.38	<0.3	7	<0.2	5.51	<0.01	12	1.36	<0.2	<0.03	<0.01		<0.03	1.73		1b
SRK-GD05B	9/14/2003	2510	8.11	14	627	2.8	1180	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	337	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	212	0.013	<0.03	0.44	<0.3	7	<0.2	5.66	<0.01	11	1.48	<0.2	<0.03	<0.01		<0.03	2.02		1b
SRK-GD05	5/28/2004	2960	8.03	19.9	583	2.09	1680	<0.2	<0.2	<0.2	0.038	<0.005	<0.2	<0.1	<0.01	392	<0.01	<0.01	<0.01	<0.03	<0.05	0.043	269	0.0931	<0.03	0.644	<0.3	7.8	<0.2	5.48	<0.01	12.8	1.68	<0.2	0.033	<0.01		<0.03	4.92		1b
SRK-GD05	9/24/2004	2930	8.01	4.8	609	<5	1440	<0.2	<0.2	<0.2	0.034	0.0056	<0.2	<0.1	<0.01	361	<0.01	<0.01	<0.01	<0.03	<0.05	0.052	263	0.009	<0.03	0.705	<0.3	8.3	<0.2	5.07	<0.01	13.5	1.6	<0.2	<0.03	<0.01		<0.03	4.21		1b
SRK-GD05	5/15/2005	3240	8.14	10.3	541	<0.50	1760	<0.20	<0.20	<0.20	0.026	<0.0050	<0.20	<0.10	<0.010	363	<0.010	<0.010	<0.010	<0.030	<0.050	0.044	298	0.0130	<0.030	0.540	<0.30	6.4	<0.20	3.90	<0.010	12.8	1.42	<0.20	<0.030	<0.010		0.059	2.99		1b
SRK-GD05	9/16/2005	3010	8.10	9.6	610	<5.0	1620	<0.20	<0.20	<0.20	0.029	<0.0050	<0.20	<0.10	<0.010	477	<0.010	<0.010	<0.010	<0.030	<0.050	0.056	341	0.0127	<0.030	0.917	<0.30	8.9	<0.20	6.25	0.011	17.9	1.81	<0.20	<0.030	<0.010		<0.070	5.16		1b
SRK-GD05	9/19/2006	2820	8.00	10.4	589	<5.0	1460	<0.20	<0.20	<0.20	0.017	<0.0050	<0.20	<0.10	<0.010	310	<0.010	<0.010	<0.010	<0.030	<0.050	0.034	234	<0.0050	<0.030	0.448	<0.30	5.5	<0.20	4.29	<0.010	11.2	1.17	<0.20	0.092	<0.010		<0.030	2.13		1b
SRK-GD05	5/26/2007	3730	7.89	39.0	538	2.08	1810	<0.001	0.0018	0.0049	0.021	<0.0002	<0.0002	<0.01	0.00028	433	<0.0002	0.001	0.0027	0.8	0.0008	0.033	330	0.0048	0.0012	0.413	<0.03	6.7	0.0032	5.84	<0.00005	13.5	1.59	0.00035	<0.0002	0.0005		0.00	1.16		1b
SRK-GD05	9/12/2007	2880	8.08	17.0	592	<50	1640	<0.005	0.002	0.0049	0.017	<0.0025	<0.0025	<0.05	0.00063	375	<0.0025	0.00064	0.0016	<0.03	0.00148	0.038	284	0.0059	0.001	0.413	<0.3	7.0	<0.005	5.30	<0.00005	13.3	1.48	<0.0005	<0.0005	0.01		<0.005	1.83		1b
SRK-GD05	5/15/2008	3200	8.30	<0.5	460	1.8	1800	0.004	0.0017	0.0036	0.029	<0.00005	<0.00003	<0.3	0.00188	414	<0.0005	0.0044	0.0024	0.028	0.00111	0.048	312	0.0347	0.0013	0.348		7.3	0.0019	4.10	<0.00003	11.2	1.33	0.0005	<0.00005	<0.003	0.0462	<0.001	3.66	0.0006	1b
SRK-GD05	9/15/2008	3400	8.00	34.9	620	2.1	2034	0.002	0.0008	0.0024	0.015	<0.00005	<0.00003	<0.3	0.00111	219	<0.0005	0.0011	0.0014	0.006	0.00076	0.024	174	0.0664	0.0005	0.309		4.16	0.0002	2.74	<0.00003	07.6	0.82	0.00022	<0.00005	<0.003	0.0279	<0.001	2.59	<0.0005	1b
SRK-GD06	6/11/2002	2540	8.1	17	557	2.5	947	<0.2	<0.2	<0.2	0.03	<0.005	<0.3	<0.1	<0.01	361	<0.01	<0.01	<0.01	<0.03	<0.05	0.04	209	0.23	<0.03	0.52	<0.3	9	<0.2	5.87	<0.01	14	1.56	<0.2	0.04	<0.01		<0.03	3.94		1b
SRK-GD06	9/11/2002	2480	8	26	700	1.8	1040	<0.2	<0.2	<0.2	0.03	<0.005	<0.3	<0.1	<0.01	348	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	196	0.008	<0.03	0.42	<0.3	7	<0.2	6.07	<0.01	11	1.39	<0.2	<0.03	<0.01		<0.03	2.73		1b
SRK-GD07	9/12/2002	2481	9	27	701	2.8	1041	<0.3	<0.3	<0.3	1.03	<0.006	<0.4	<0.2	<0.02	349	<0.02	<0.02	<0.02	<0.04	<0.06	1.02	197	1.008	<0.04	1.42	<0.4	8	<0.3	7.07	<0.02	12	2.39	<0.3	<0.04	<0.02		<0.04	3.73		1b
SRK-GD06	9/14/2003	2500	8.28	1	646	2.5	1120	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	325	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	199	0.008	<0.03	0.41	<0.3	7	<0.2	5.64	<0.01	11	1.41	<0.2	<0.03	<0.01		<0.03	2.34		1b
SRK-GD06	5/26/2007	3570	7.95	40	677	2.08	1710	<0.001	0.0013	0.0054	0.026	<0.0002	<0.0002	<0.01	0.00067	466	<0.0002	0.0004	0.0021	0.71	0.0008	0.028	320	0.0016	0.0006	0.428	<0.03	6.4	0.0031	5.87	<0.00005	12.3	1.63	0.0003	<0.0002	0.0005		0.0008	1.93		1b
SRK-GD06	9/12/2007	2820	8.04	21.9	635	<50	1420	<0.005	0.0011	0.0043	0.0192	<0.0025	<0.0025	<0.05	0.00146	385	<0.0025	<0.0005	0.002	<0.03	0.00103	0.035	272	0.0027	0.0005	0.449	<0.3	6.8	<0.005	5.52	<0.00005	13.4	1.47	<0.0005	<0.0005	0.01		<0.005	2.71		1b
SRK-GD06	5/15/2008	3100	8.3	1.8	610	2.4	1600	0.002	0.0013	0.0053	0.0259	<0.00005	<0.00003	<0.3	0.00202	469	<0.0005	0.00138	0.0016	0.011	0.00159	0.038	293	0.0113	0.0006	0.547		7.37	<0.0002	5.42	<0.00003	13.6	1.57	0.00041	<0.00005	<0.003	0.0516	<0.001	4.01	0.0007	1b
SRK-GD07	6/11/2002	1210	8.18	6	336	2	413	<0.2	<0.2	<0.2	0.07	<0.005	<0.2	<0.1	<0.01	178	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	69.6	<0.005	<0.03	<0.05	<0.3	4	<0.2	3.79	<0.01	3	0.604	<0.2	<0.03	<0.01		<0.03	0.021		1a
SRK-GD07B	9/11/2002	1250	7.51	40	405	1.8	362	<0.2	<0.2	<0.2	0.11	<0.005	<0.2	<0.1	<0.01	205	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	63.6	1.92	<0.03	<0.05	<0.3	2	<0.2	4.61	<0.01	3	0.719	<0.2	<0.03	<0.01		<0.03	0.01		1a
SRK-GD07	6/4/2003	1300	7.73	15	338	1.9	575	<0.2	<0.2	<0.2	0.05	<0.005	<0.2	<0.1	<0.01	194	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	79.1	<0.005	<0.03	<0.05	<0.3	3	<0.2	4	<0.01	3	0.656	<0.2	<0.03	<0.01		<0.03	0.008		1a
SRK-GD07	9/14/2003	1360	8.08	9	405	2.5	455	<0.2	<0.2	<0.2	0.06	<0.005	<0.2	<0.1	<0.01	219	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	74.1	0.007	<0.03	<0.05	<0.3	3	<0.2	5.08	<0.01	3	0.75	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD07	9/24/2004	1380	7.92	12.2	433	<5	428	<0.2	<0.2	<0.2	0.061	<0.005	<0.2	<0.1	<0.01	208	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	72.1	0.011	<0.03	<0.05	<0.3	2.2	<0.2	4.67	<0.01	2.8	0.712	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD08	6/11/2002	542	8.31	<1	209	2.3	88	<0.2	<0.2	<0.2	0.08	<0.005	<0.2	<0.1	<0.01	75.3	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	26.8	<0.005	<0.03	<0.05	<0.3	<2	<0.2	3.64	<0.01	<2	0.365	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD09	6/11/2002	999	8.22	3	379	2.1	194	<0.2	<0.2	<0.2	0.11	<0.005	<0.2	<0.1	<0.01	142	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	54.5	<0.005	<0.03	<0.05	<0.3	<2	<0.2	3.23	<0.01	<2	0.492	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD10	6/11/2002	384	8.3	<1	186	1.3	26	<0.2	<0.2	<0.2	0.05	<0.005	<0.2	<0.1	<0.01	45.4	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	24.2	<0.005	<0.03	<0.05	<0.3	<2	<0.2	3.32	<0.01	<2	0.205	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD11	6/11/2002	1570	7.69	31	371	2.1	593	<0.2	<0.2	<0.2	0.05	<0.005	<0.2	<0.1	<0.01	201	<0.01	<0.01	0.01	<0.03	<0.05	0.02	108	0.26	<0.03	0.22	<0.3	4	<0.2	3.39	<0.01	4	0.815	<0.2	<0.03	<0.01		<0.03	2.11		1b
SRK-GD11	6/4/2003	1610	7.59	23	413	2.3	715	<0.2	<0.2	<0.2	0.03	<0.005	<0.2	<0.1	<0.01	208	<0.01	<0.01	0.01	<0.03	<0.05	0.01	121	0.425	<0.03	0.28	<0.3	3	<0.2	3.83	<0.01	5	0.864	<0.2	<0.03	<0.01		<0.03	3.75		1b
SRK-GD11	5/29/2004	1040	7.46	33.2	282	0.75	332	<0.2	<0.2	<0.2	0.021	<0.005	<0.2	<0.1	<0.01	115	<0.01	0.032	0.041	<0.03	<0.05	<0.01	69.8	0.618	<0.03	0.272	<0.3	2.5	<0.2	2.53	<0.01	<2	0.487	<0.2	<0.03	<0.01		<0.03	5.48		1b
SRK-GD11	9/16/2005	2210	7.61	23.2	500	<5.0	1120	<0.20	<0.20	<0.20	0.042	<0.0050	<0.20	<0.10	<0.010	354	<0.010	<0.010	0.041	<0.030	<0.050	0.020	206	0.455	<0.030	0.336	<0.30	4.1	<0.20	4.66	<0.010	7.1	1.26	<0.20	<0.030	<0.010		<0.050	6.83		1b
SRK-GD11	5/25/2006	1450	7.31	45.9	324	0.52	566	<0.2	<0.2	<0.2	0.024	<0.005	<0.2	<0.1	<0.01	170	<0.01	0.099	0.061	<0.03	<0.05	0.011	128	2.05	<0.03	0.526	<0.3	3.4	<0.2	2.81	<0.01	3.9	0.682	<0.2	<0.03	<0.01		<0.03	17.4		2
SRK-GD11	5/27/2007	1700	7.14	131.0	341	<1	637	0.004	0.0009	0.0013	0.018	<0.0002	<0.0002	<0.01	0.0024	179	<0.0002	0.030	0.048	0.41	0.004	0.017	137	0.73	0.0006	0.313	<0.03	2.7	0.0018	3.83	<0.00005	3.7	0.614	0.00048	<0.0002	0.0003		00.0	8.02		2
SRK-GD11	9/15/2008	2000	7.40	60.3	420	1.80	510	<0.001	0.0005	0.0006	0.014	<0.00005	<0.00003	<0.3	0.0015	130	<0.0005	0.002	0.026	0.007	0.00169	0.007	087	0.06	0.0003	0.086		1.77	0.001	1.92	<0.00003	2.6	0.456	0.00032	<0.00005	<0.003	0.0092	<0.001	2.19	<0.0005	1b
SRK-GD12	9/11/2002	6300	7.87	13	268	<0.5	83	<0.2	<0.2	<0.2	0.1	<0.005	<0.2	<0.1	<0.01	86.3	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	40.4	0.028	<0.03	<0.05	<0.3	<2	<0.2	4.02	<0.01	2	0.329	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD12	6/4/2003	517	7.95	5	227	1.3	7	<0.2	<0.2	<0.2	0.07	<0.005	<0.2	<0.1	<0.01	60.9	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	34.2	<0.005	<0.03	<0.05	<0.3	<2	<0.2	3.34	<0.01	<2	0.256	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD12	9/14/2003	618	8.31	<1	289	1.7	81	<0.2	<0.2	<0.2	0.09	<0.005	<0.2	<0.1	<0.01	75.5	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	39	<0.005	<0.03	<0.05	<0.3	<2	<0.2	4.23	<0.01	<2	0.322	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD12	5/29/2004	392	8.1	2.7	168	0.77	46.9	<0.2	<0.2	<0.2	0.049	<0.005	<0.2	<0.1	<0.01	41.6	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	23	<0.005	<0.03	<0.05	<0.3	<2	<0.2	2.72	<0.01	<2	0.185	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD12	9/24/2004	658	8.21	1.8	285	<2.5	95.8	<0.2	<0.2	<0.2	0.088	<0.005	<0.2	<0.1	<0.01	77.8	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	38.6	0.0273	<0.03	<0.05	<0.3	<2	<0.2	3.97	<0.01	<2	0.327	<0.2	<0.03	<0.01		<0.03	<0.005		1a
SRK-GD13	9/12/2002	1190	7.73	29	388	0.9	386	<0.2	<0.2	<0.2	0.11	<0.005	<0.2	<0.1	<0.01	168	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	71.4	0.007	<0.03	<0.05	<0.3	3	<0.2	5.69	<0.01	3	0.823	<0.2	<0.03	<0.01		<0.03	0.028		1a
SRK-GD13	6/4/2003	1150	8.05	7	402	1.4	313	<0.2	<0.2	<0.2	0.09	<0.005	<0.2	<0.1	<0.01	153	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	70.6	0.053	<0.03	0.07	<0.3	<2	<0.2	5.05	<0.01	3	0.788	<0.2	<0.03	<0.01		<0.03	0.007		1a
SRK-GD13	9/14/2003	1230	8.24	2	392	1.6	338	<0.2	<0.2	<0.2	0.11	<0.005	<0.2	<0.1	<0.01	178	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	80.8	<0.005	<0.03	<0.05	<0.3	<2	<0.2	5.32	<0.01	4	0.9	<0.2	<0.03	<0.01		<0.03	0.007		1a
SRK-GD13	5/28/2004	1080	7.94	12.2	269	1.05	360	<0.2	<0.2	<0.2	0.098	<0.005	<0.2	<0.1	<0.01	142	<0.01	0.012	<0.01	0.205	<0.05	<0.01	66.1	0.608	<0.03	0.129	<0.3	<2	<0.2	3.75	<0.01	2.4	0.758	<0.2	<0.03	<0.01		<0.03	0.0114		1a
SRK-GD13	9/24/2004	1500	8.04	8.6	447	<5	468	<0.2	<0.2	<0.2	0.118	<0.005	<0.2	<0.1	<0.01	206	<0.01	<0.01	<0.01	<0.03	<0.05	0.014	94	<0.005	<0.03	0.13	<0.3	2.6	<0.2	5.83	<0.01	3.7	1.04	<0.2	<0.03	<0.01		<0.03	0.0159		1a
SRK-GD13	5/18/2005	1510	7.93	10.9	311	0.66	561	<0.20	<0.20	<0.20	0.084	<0.0050	<0.20	<0.10	<0.010	198	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	109	0.0694	<0.030	0.098	<0.30	2.4	<0.20	4.38	<0.010	4.5	0.983	<0.20	<0.030	<0.010		<0.030	0.0186		1a
SRK-GD13	9/16/2005	1600	8.06	7.6	427	<5.0	620	<0.20	<0.20	<0.20	0.105	<0.0050	<0.20	<0.10	<0.010	286	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	136	<0.0050	<0.030	0.107	<0.30	2.4	<0.20	6.22	<0.010	4.9	1.17	<0.20	<0.030	<0.010		<0.050	0.0229		1a
SRK-GD13	5/25/2006	1880	7.83	17.7	463	<2.5	731	<0.2	<0.2	<0.2	0.066	<0.005	<0.2	<0.1	<0.01	256	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	156	0.0420	<0.03	0.132	<0.3	3.5	<0.2	5.08	<0.01	5.9	1.30	<0.2	<0.03	<0.01		<0.03	0.0258		1a
SRK-GD13	9/19/2006	1800	7.84	12.2	473	0.89	649	<0.20	<0.20	<0.20	0.077	<0.0050	<0.20	<0.10	<0.010	235	<0.010	<0.010	<0.010	<0.030	<0.050	0.012	139	<0.0050	<0.030	0.088	<0.30	2.3	<0.20	5.21	<0.010	4.5	1.02	<0.20	0.051	<0.010		<0.030	0.0175		1a
SRK-GD13	5/27/2007	1810	7.96	18.0	332	<1	661	0.003	0.0004	0.0029	0.047	<0.0002	<0.0002	<0.01	0.00002	212	<0.0002	0.0014	0.001	0.43	<0.0002	0.010	129	0.058	0.0014	0.085	<0.03	2.8	0.0023	5.04	<0.00005	4.2	0.92	0.00003	<0.0002	0.0004		0.0004	0.011		1a
SRK-GD13	9/13/2007	2030	8.03	13.2	474	1.06	836	<0.005	0.0006	0.0029	0.057	<0.0025	<0.0025	<0.05	<0.00025	278	<0.0025	<0.0005	0.001	<0.03	<0.00025	<0.025	179	0.0014	0.0016	0.067	<0.3	3.3	<0.005	5.55	<0.00005	5.8	1.25	<0.0005	<0.0005	<0.01		<0.005	0.0162		1a
SRK-GD13	9/15/2008	2400	7.80	30.4	450	1.60	651	0.002	0.0003	0.0016	0.031	<0.00005	<0.00003	<0.3	0.00004	165	<0.0005	0.00029	0.0008	0.008	0.00008	0.008	112	0.0048	0.0005	0.078		1.98	0.001	2.66	<0.00003	3.4	0.67	0.00002	<0.00005	0.005	0.018	0.0010	0.113	0.0005	1a

Sample ID	Date Sampled	Cond (uS/cm)	Lab pH	Acidity (to pH 8.3) CaCO3	Alkalinity-Total CaCO3	Chloride Cl	Sulphate SO4	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co
	Min. detection level	2	0.01	1	0.5	0.5	0.5	0.002	0.0001	0.0002	0.01	0.00001	5E-06	0.01	0.00002	0.05	0.0001	0.00003
	Units	uS/cm	s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SRK-GD16	5/28/2004	3040	7.72	43	619	2.14	1680	<0.2	<0.2	<0.2	0.041	<0.005	<0.2	<0.1	<0.01	382	<0.01	0.03
SRK-GD16	5/18/2005	3480	7.62	93.2	602	<5.0	2090	<0.20	<0.20	<0.20	0.032	<0.0050	<0.20	<0.10	0.089	416	<0.010	0.096
SRK-GD16	5/26/2007	3710	7.67	92.0	659	2.6	1730	0.002	0.0006	0.0048	0.027	<0.0002	<0.0002	<0.01	0.008	461	<0.0002	0.008
SRK-GD16	5/15/2008	5000	7.50	151.0	290	1	4100	0.003	0.0009	0.0022	0.044	<0.0001	<0.00005	<0.5	0.045	462	<0.001	0.186
SRK-GD17	5/28/2004	3740	7	158	195	1.99	2770	<0.2	<0.2	<0.2	0.014	<0.005	<0.2	<0.1	0.061	356	<0.01	0.214
SRK-GD17	5/25/2006	3000	7.67	57.6	177	<2.5	1990	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.027	288	<0.01	0.121
SRK-GD17	5/27/2007	4480	7.79	22.0	253	2.76	2670	<0.001	0.0013	0.0009	0.0066	<0.0002	<0.0002	<0.01	0.009	351	<0.0002	0.041
SRK-GD18	5/28/2004	742	8.07	5.9	108	0.74	302	<0.2	<0.2	<0.2	0.023	<0.005	<0.2	<0.1	<0.01	80.4	<0.01	<0.01
SRK-GD18	5/18/2005	1040	8.09	6.5	141	<0.50	458	<0.20	<0.20	<0.20	0.024	<0.0050	<0.20	<0.10	<0.010	129	<0.010	<0.010
SRK-GD18	5/25/2006	950	7.92	6.6	115	<0.5	418	<0.2	<0.2	<0.2	0.024	<0.005	<0.2	<0.1	<0.01	123	<0.01	<0.01
SRK-GD18	5/27/2007	1090	7.69	14.0	151	<1	535	0.014	0.0006	0.0076	0.015	<0.0002	<0.0002	<0.01	0.0001	116	<0.0002	0.0025
SRK-GD19	5/29/2004	2500	5.75	238	38.7	0.58	1710	0.28	<0.2	<0.2	0.011	<0.005	<0.2	<0.1	0.178	321	<0.01	0.696
SRK-GD19	5/26/2007	1910	7.74	7	109	<1	1050	<0.001	0.0005	0.0006	0.0086	<0.0002	<0.0002	<0.01	0.007	269	<0.0002	0.011
SRK-GD19	9/15/2008	2500	7.4	82.6	320	2	804	0.002	0.0029	0.0006	0.0047	<0.00005	<0.00003	<0.3	0.0223	171	<0.0005	0.0631
SRK-GD20	5/29/2004	2410	7.59	198	130	0.9	1530	<0.2	<0.2	<0.2	0.012	<0.005	<0.2	<0.1	0.063	346	<0.01	0.446
SRK-GD20	5/25/2006	2580	7.87	12.6	132	<2.5	1700	<0.2	<0.2	<0.2	0.013	<0.005	<0.2	<0.1	<0.01	249	<0.01	0.030
SRK-GD20	9/15/2008	2600	7.60	67.6	340	1.6	0813	0.002	0.0007	0.0006	0.005	<0.00005	<0.00003	<0.3	0.0158	187	<0.0005	0.062
SRK-GD21	5/28/2004	3140	7.86	27.6	393	1.26	1990	<0.2	<0.2	<0.2	0.036	<0.005	<0.2	<0.1	<0.01	315	<0.01	0.026
SRK-GD21	9/24/2004	3770	8.1	6.3	628	<5	2170	<0.2	<0.2	<0.2	0.016	<0.005	<0.2	<0.1	<0.01	365	<0.01	<0.01
SRK-GD21	5/15/2005	2950	8.10	7.9	356	<5.0	1770	<0.20	<0.20	<0.20	0.025	<0.0050	<0.20	<0.10	<0.010	277	<0.010	0.012
SRK-GD21	5/25/2006	2890	8.08	9.8	400	<2.5	1670	<0.2	<0.2	<0.2	0.018	<0.005	<0.2	<0.1	<0.01	287	<0.01	0.014
SRK-GD21	5/26/2007	3500	8.17	8.0	470	<2	1820	0.001	0.0022	0.0033	0.020	<0.0002	<0.0002	<0.01	0.00079	346	<0.0002	0.006
SRK-GD21B	9/15/2008	3600	8.00	37.9	340	0.9	2496	0.003	0.0017	0.0048	0.017	<0.00005	<0.00003	<0.3	0.00252	443	<0.0005	0.001
SRK-GD22	9/15/2008	2800	7.60	47.6	360	1.7	1743	0.004	0.0038	0.02	0.042	<0.00005	<0.00003	<0.3	0.00498	477	<0.0005	0.011
SRK-GD23	9/18/2008	1000	7.80	11.1	140	1.2	0552	0.0121	0.0004	0.0011	0.052	<0.00001	<0.000005	<0.05	0.00029	174	0.0001	0.000

Sample ID	Date Sampled	Cu	Fe	Pb	Li	Mg	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr	Water Type
	Min. detection level	0.0005	0.0002	0.0002	0.003	0.1	0.005	5E-05	2E-05	0.03	0.05	0.0002	0.05	0.000005	2	0.3	0.0001	0.00001	0.0002	2E-06	0.0002	0.005	0.0001	
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
SRK-GD16	5/28/2004	<0.01	<0.03	<0.05	0.048	253	1.75	<0.03	0.701	<0.3	7	<0.2	4.59	<0.01	12	1.67	<0.2	<0.03	<0.01		<0.03	10.4		2
SRK-GD16	5/18/2005	0.026	<0.030	<0.050	0.045	338	4.93	<0.030	0.501	<0.30	6.1	<0.20	6.71	<0.010	15.4	1.69	<0.20	<0.030	<0.010		<0.030	59.9		2
SRK-GD16	5/26/2007	0.004	0.86	0.0049	0.022	302	0.69	0.0008	0.214	<0.03	4.3	0.0033	8.28	<0.00005	12.9	1.51	0.00056	<0.0002	0.0006		0.0007	16.5		2
SRK-GD16	5/15/2008	0.004	0.015	0.00725	0.087	570	1.73	0.0034	0.803		7	0.01	3.99	<0.00005	09.8	1.81	0.00086	<0.0001	<0.005	0.0329	<0.002	139.0	<0.001	2
SRK-GD17	5/28/2004	<0.01	<0.03	<0.05	0.088	413	3.1	<0.03	1.08	<0.3	11.5	<0.2	1.31	<0.01	6.2	1.21	<0.2	<0.03	<0.01		<0.03	110		2
SRK-GD17	5/25/2006	<0.01	<0.03	<0.05	0.060	319	1.47	<0.03	0.507	<0.3	9.4	<0.2	0.991	<0.01	5.4	0.916	<0.2	<0.03	<0.01		<0.03	42.2		2
SRK-GD17	5/27/2007	0.0015	0.75	0.0082	0.095	490	0.21	0.0038	0.307	<0.03	12.8	0.0043	1.310	<0.00005	7.6	0.955	0.0057	<0.0002	0.0005		<0.0002	12.2		2
SRK-GD18	5/28/2004	<0.01	<0.03	<0.05	0.014	43.8	0.038	<0.03	0.051	<0.3	3	<0.2	1.57	<0.01	<2	0.359	<0.2	<0.03	<0.01		<0.03	0.105		1a
SRK-GD18	5/18/2005	<0.010	<0.030	<0.050	<0.010	78.2	0.0416	<0.030	<0.050	<0.30	3.9	<0.20	1.89	<0.010	3.3	0.527	<0.20	<0.030	<0.010		<0.030	0.389		1a
SRK-GD18	5/25/2006	<0.01	<0.03	<0.05	<0.01	68.6	0.0527	<0.03	<0.05	<0.3	4.1	<0.2	1.46	<0.01	4.3	0.498	<0.2	<0.03	<0.01		<0.03	0.132		1a
SRK-GD18	5/27/2007	0.0038	0.26	0.0003	0.01	97.1	0.0290	0.0013	0.05	0.06	3.7	0.0045	3.07	<0.00005	2.8	0.472	0.00012	<0.0002	0.0005		0.0004	0.030		1a
SRK-GD19	5/29/2004	2.11	46.4	0.135	0.045	167	7.52	<0.03	2.65	<0.3	6.5	<0.2	3.69	<0.01	4.5	1.02	<0.3	<0.03	<0.01		<0.03	107		3
SRK-GD19	5/26/2007	0.0026	0.49	0.0012	0.024	112	0.11	0.0044	0.161	<0.03	6.55	0.0029	1.01	<0.00005	2.29	0.768	0.0044	<0.0002	0.0002		<0.0002	7.65		2
SRK-GD19	9/15/2008	0.0055	2.3	0.00406	0.015	107	1.17	<0.0003	0.307		2.77	<0.0002	1.55	<0.00003	3.35	0.513	0.00599	<0.00005	0.004	0.0019	0.001	14.2	<0.0005	2
SRK-GD20	5/29/2004	0.12	27.3	<0.05	0.027	150	6.62	<0.03	1.46	<0.3	6.5	<0.2	4.04	<0.01	4.7	1.32	<0.2	<0.03	<0.01		<0.03	97.9		2
SRK-GD20	5/25/2006	<0.01	<0.03	<0.05	0.065	308	0.576	<0.03	0.104	<0.3	19.6	<0.2	0.535	<0.01	7.4	0.744	<0.2	<0.03	<0.01		<0.03	9.23		2
SRK-GD20	9/15/2008	0.0019	0.547	0.00128	0.015	106	1.080	<0.0003	0.330		2.92	<0.0002	1.530	<0.00003	3.3	0.548	0.00528	<0.00005	0.005	0.0037	0.001	13.80	<0.0005	2
SRK-GD21	5/28/2004	<0.01	<0.03	<0.05	0.066	403	0.271	<0.03	0.345	<0.3	12.3	<0.2	2.3	<0.01	14.9	1.53	<0.2	<0.03	<0.01		<0.03	2.52		1b
SRK-GD21	9/24/2004	<0.01	<0.03	<0.05	0.041	438	0.0619	<0.03	0.409	<0.3	10	<0.2	3.89	<0.01	17.1	1.63	<0.2	<0.03	<0.01		<0.03	1.82		1b
SRK-GD21	5/15/2005	<0.010	<0.030	<0.050	0.047	340	0.0983	<0.030	0.290	<0.30	8.2	<0.20	1.66	<0.010	11.4	1.16	<0.20	<0.030	<0.010		0.053	2.63		1b
SRK-GD21	5/25/2006	<0.01	<0.03	<0.05	0.043	342	0.0643	<0.03	0.330	<0.3	10.0	<0.2	2.18	<0.01	12.2	1.28	<0.2	<0.03	<0.01		<0.03	3.42		1b
SRK-GD21	5/26/2007	0.0023	0.63	0.0008	0.034	362	0.0190	0.0033	0.253	<0.03	08.3	0.0045	3.24	<0.00005	10.8	1.34	0.00054	<0.0002	0.0004		0.00	1.08		1b
SRK-GD21B	9/15/2008	0.0017	0.008	0.00402	0.052	396	0.0839	0.0007	0.213		10.6	0.0005	3.44	<0.00003	11.7	1.48	0.00031	<0.00005	0.003	0.0215	<0.001	6.58	<0.0005	1b
SRK-GD22	9/15/2008	0.0041	0.015	0.0721	0.017	206	0.149	0.0009	0.155		2.57	0.0016	6.450	<0.00003	10.5	2.000	0.00071	<0.00005	<0.003	0.0168	<0.001	3.96	<0.0005	1b
SRK-GD23	9/18/2008	0.0036	0.024	0.000063	0.003	053	0.0156	0.0005	0.016		1.83	0.0005	5.73	<0.000005	03.1	0.58	0.000018	<0.00001	<0.0005	0.0088	<0.0002	0.446	0.0002	1a

Sample ID	Date Sampled	Cond (uS/cm)	Lab pH	Acidity (to pH 8.3) CaCO3	Alkalinity-Total CaCO3	Chloride Cl	Sulphate SO4	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr	Water Type
	Min. detection level	2	0.01	1	0.5	0.5	0.5	0.002	0.0001	0.0002	0.01	0.00001	5E-06	0.01	0.00002	0.05	0.0001	0.00003	0.0005	0.0002	0.0002	0.003	0.1	0.005	0.00005	0.00002	0.03	0.05	0.0002	0.05	0.000005	2	0.3	0.0001	0.00001	0.0002	2E-06	0.0002	0.005	0.0001	
	Units	uS/cm	s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
SRK-VD01	6/10/2002	3080	7.23	115	38	<0.5	2340	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.12	261	<0.01	0.23	<0.01	0.25	0.1	0.07	370	16.4	<0.03	0.78	<0.3	8	<0.2	1.73	<0.01	5	1.69	<0.3	<0.03	<0.01		<0.03	71.6		2
SRK-VD01	6/6/2003	3210	6.62	224	27	<0.5	2880	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.28	329	<0.01	0.49	<0.01	0.12	0.07	0.07	408	31.2	<0.03	1.2	<0.3	6	<0.2	1.75	<0.01	3	1.89	<0.2	<0.03	<0.01		<0.03	125		2
SRK-VD01	5/29/2004	646	6.38	38	13.7	<0.5	323	<0.2	<0.2	<0.2	0.026	<0.005	<0.2	<0.1	0.044	71.1	<0.01	0.082	0.016	1.2	<0.05	<0.01	54.6	4.97	<0.03	0.216	<0.3	<2	<0.2	0.861	<0.01	<2	0.374	<0.2	<0.03	<0.01		<0.03	24.5		2
SRK-VD01	5/17/2005	2280	4.12	213	<2.0	<0.50	1550	2.24	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	0.136	210	<0.010	0.303	0.311	6.64	0.334	0.054	213	19.7	<0.030	0.751	<0.30	4.0	<0.20	2.40	<0.010	2.3	1.06	<0.20	<0.030	<0.010		<0.030	86.6		3
SRK-VD01	5/28/2006	2330	7.43	150	16.9	<2.5	1530	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.129	220	<0.01	0.288	0.028	0.897	0.114	0.040	232	19.2	<0.03	0.896	<0.3	3.7	<0.2	1.58	<0.01	<2	0.948	<0.2	<0.03	<0.01		<0.03	83.5		2
SRK-VD01	5/27/2007	0770	6.07	054	05.9	<0.4	0427	0.074	<0.001	<0.001	0.032	<0.001	<0.001	<0.05	0.044	069	<0.001	0.081	0.072	2.210	0.110	0.024	048	05.3	0.0005	0.260	<0.15	1.2	<0.001	1.40	<0.00025	0.61	0.280	0.0005	<0.001	<0.001		<0.001	33.6		2
SRK-VD02	6/10/2002	3180	7.07	171	289	1.2	2170	<0.2	<0.2	<0.2	0.02	<0.005	<0.3	<0.1	0.08	393	<0.01	0.81	<0.01	5.48	<0.05	0.05	257	36	<0.03	2	<0.3	11	<0.2	5.25	<0.01	10	1.48	<0.3	0.04	<0.01		<0.03	88.3		2
SRK-VD02	6/6/2003	3270	7.03	182	258	<0.5	2690	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.12	436	<0.01	0.88	<0.01	0.21	<0.05	0.04	329	42.2	<0.03	1.98	<0.3	12	<0.2	5.85	<0.01	10	1.61	0.2	<0.03	<0.01		<0.03	83.4		2
SRK-VD02	5/29/2004	3380	6.28	312	248	1.29	2200	<0.2	<0.2	<0.2	0.027	<0.005	<0.2	<0.1	0.093	471	<0.01	0.906	<0.01	26.6	<0.05	0.053	274	38.2	<0.03	2.37	<0.3	12.7	<0.2	6.03	<0.01	9.7	1.84	<0.2	0.032	<0.01		<0.03	100		2
SRK-VD02	5/17/2005	3580	6.77	184	317	<10	2420	<0.20	<0.20	<0.20	0.029	<0.0050	<0.20	<0.10	0.112	534	<0.010	0.826	<0.010	4.35	<0.050	0.062	304	45	<0.030	2.41	<0.30	12.8	<0.20	6.01	<0.010	12.3	1.76	<0.20	<0.030	<0.010		<0.030	129		2
SRK-VD02	5/28/2006	3490	7.09	156	351	<2.5	2240	<0.2	<0.2	<0.2	0.017	<0.005	<0.2	<0.1	0.065	460	<0.01	0.554	<0.01	7.43	<0.05	0.049	312	44.2	<0.03	1.61	<0.3	12.5	<0.2	5.79	<0.01	8.3	1.53	<0.2	<0.03	<0.01		<0.03	90.1		2
SRK-VD02	5/27/2007	3520	6.76	218	282	<2	1830	0.077	<0.001	0.019	0.015	<0.001	<0.001	<0.05	0.068	370	<0.001	0.43	0.004	6.99	0.002	0.069	221	35.3	0.0039	1.25	<0.15	9.9	0.002	5.5	0.0003	5.7	1.36	0.0011	<0.001	<0.001		<0.001	92.7		2
SRK-VD02	9/18/2008	4500	7.2	407	210	1	3660	0.01	<0.0004	0.133	0.0131	<0.0002	<0.0001	<1	0.15	467	<0.002	1.35	<0.001	38.5	0.0027	0.072	456	79.5	<0.001	3.08		13.6	0.0069	5.18	0.0005	13.7	1.9	0.00289	<0.0002	<0.01	0.0206	<0.004	230	<0.002	2
SRK-VD03	6/10/2002	5220	6.84	719	187	1.3	4400	<0.4	<0.4	<0.4	0.02	<0.01	<0.6	<0.2	0.11	435	<0.02	2.99	<0.02	93.7	<0.1	0.1	551	139	<0.06	5.3	<0.6	13	<0.4	7.5	<0.02	13	1.87	<0.4	<0.06	<0.02		<0.06	412		2
SRK-VD03	9/12/2002	5140	6.39	755	124	0.8	4070	<0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.06	431	<0.02	2.86	<0.02	127	<0.1	0.07	558	135	<0.06	5	<0.6	12	<0.4	7.8	<0.02	13	1.77	<0.4	<0.06	<0.02		<0.06	350		2
SRK-VD03	6/6/2003	4580	6.72	661	192	<0.5	4200	<0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.08	414	<0.02	2.72	<0.02	69.2	<0.1	0.08	553	135	<0.06	4.6	<0.6	13	<0.4	7.4	<0.02	12	1.69	<0.4	<0.06	<0.02		<0.06	345		2
SRK-VD03	9/14/2003	5180	6.28	581	164	1.2	4440	<0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.05	404	<0.02	2.53	<0.02	108	<0.1	0.06	602	130	<0.06	4.5	<0.6	11	<0.4	7.3	<0.02	12	1.59	0.4	<0.06	<0.02		<0.06	316		2
SRK-VD03	5/29/2004	5620	6.37	1210	102	3.11	4860	<0.6	<0.6	<0.6	0.036	<0.015	<0.6	<0.3	0.168	465	<0.03	3.13	0.032	194	<0.15	0.094	518	157	<0.09	4.9	<0.9	13.7	<0.6	7.7	<0.03	8.5	1.83	<0.6	<0.09	<0.03		<0.09	612		3
SRK-VD03	9/26/2004	6050	6.53	883	168	<50	5230	<0.4	<0.4	<0.8	<0.02	0.014	<0.4	<0.2	0.035	420	<0.02	2.88	<0.02	176	<0.1	0.083	674	144	<0.06	4.89	<0.6	11.6	<0.4	7.25	<0.02	12	1.82	<0.4	<0.06	<0.02		<0.2	406		2
SRK-VD03	5/17/2005	5150	6.67	851	141	<10	4390	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.084	393	0.029	2.45	<0.020	130	<0.10	0.062	448	128	<0.060	4.05	<0.60	8.2	<0.40	6.35	<0.020	7.2	1.25	<0.40	<0.060	<0.020		<0.060	432		2
SRK-VD03	9/17/2005	5960	6.66	870	220	<10	5310	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.071	472	<0.020	3.4	<0.020	183	<0.10	0.124	809	168	<0.060	5.84	<0.60	14.1	<0.40	8.61	<0.020	16.2	1.98	<1.2	<0.060	<0.020		<0.080	450		2
SRK-VD03	5/28/2006	4410	6.81	638	20.8	<10	3330	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.037	386	<0.01	1.8	<0.01	122	<0.05	0.042	398	112	<0.03	3.57	<0.3	10.3	<0.2	7.34	<0.01	9.1	1.25	<0.2	<0.03	<0.01		<0.03	332		2
SRK-VD03	9/24/2006	5730	6.68	807	237	<25	4360	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.04	409	<0.020	2.55	<0.020	99.5	<0.10	0.067	643	138	<0.060	4.77	<0.60	9.3	<0.40	6.68	<0.020	12.3	1.52	<0.40	0.256	<0.020		0.114	322		2
SRK-VD03	5/27/2007	6080	6.88	400	179	<4	3820	0.1	<0.001	0.003	0.014	<0.001	<0.001	<0.05	0.028	380	<0.001	1.85	0.003	7.27	<0.001	0.071	506	106	0.012	3.25	<0.15	12.2	0.006	7.3	0.0006	15.6	1.75	0.0013	<0.001	<0.001		<0.001	219		2
SRK-VD03	9/12/2007	5270	6.39	513	185	<50	4480	<0.1	<0.01	<0.01	0.0108	<0.05	<0.05	<1	0.0436	400	<0.05	2.82	<0.01	7.87	<0.005	<0.5	650	144	<0.005	4.98	<0.6	9.7	<0.1	5.98	<0.001	11.2	1.63	<0.01	<0.01	<0.02		<0.1	321		2
SRK-VD03	5/15/2008	5200	7	633	150	0.8	4400	0.006	0.0001	0.002	0.017	<0.00005	<0.00003	<0.3	0.0485	484	<0.0005	2.34	0.0044	54.5	0.0017	0.074	556	149	0.0003	4.65		10.1	0.0066	7.21	0.00027	8.82	1.59	0.00102	<0.00005	<0.003	0.0111	<0.001	342	<0.0005	2
SRK-VD03	9/18/2008	7700	6.5	2660	120	<0.5	7500	<0.02	<0.002	0.008	0.014	<0.001	<0.0005	<5	0.194	431	<0.01	4.45	<0.005	247	0.0007	0.119	973	235	<0.005	7.07		11	0.019	<10	0.0017	5	2.09	0.0019	<0.001	<0.05	0.0073	<0.02	860	<0.01	3
SRK-VD04	6/10/2002	21400	3.57	12300	<1	<0.5	30500	20	<8	<8	<0.4	<0.2	<20	<4	6.8	467	<0.4	22.3	<0.4	1160	<2	<0.4	3180	2350	<2	17	<20	<80	<8	21	<0.4	<80	1	<8	<2	<0.4		<2	6370		3
SRK-VD04	9/12/2002	22300	3.52	12500	7	<0.5	33100	22	<6	<6	<0.3	<0.2	<6	<3	8.1	456	<0.3	22.3	<0.3	1030	<2	0.4	3490	2600	<0.9	17	<9	<60	<6	20	<0.3	<60	1.1	<6	<0.9	<0.3		<0.9	6990		3
SRK-VD04	6/6/2003	18800	3.53	15400	<1	<0.5	33400	30	<8	<8	<0.4	<0.2	<8	<4	6.8	428	<0.4	19.2	<0.4	1270	<2	0.5	3090	2280	<2	15	<20	<80	<8	22	<0.4	<80	0.9	<8	<2	<0.4		<2	6070		3
SRK-VD04	9/14/2003	21700	3.27	10600	<1	<0.5	30800	27	<10	<10	<0.5	<0.3	<10	<5	6	445	<0.5	17	<0.5	1240	<3	<0.5	3300	2340	<2	12	<20	<100	<10	23	<0.5	<100	1	<10	<2	<0.5		<2	5850		3
SRK-VD04	5/29/2004	23500	3.2	13600	<1	<0.5	34600	89.3	<8	<8	<0.4	<0.2	<8	<4	9.6	485	<0.5	24.5	<0.4	1850	<2	<0.4	3230	2760	<1.2	18.7	<12	<80	<8	21.8	<0.4	<80	1.06	15.5	<1.2	<0.4		<2	8230		3
SRK-VD04	9/26/2004	31600	3.4	22400	<1	<500	67700	218	<20	<20	<1	<0.5	<20	<10	23.2	497	<1	38.3	<1	2850	<5	<1	4710	4030	<3	26.1	<30	<200	<20	18	<1	<200	0.92	<20	3	<1		<3	13100		3
SRK-VD04	5/17/2005	25000	3.22	20100	<2.0	<500	27900	134	<2.0	<2.0	<0.10	<0.050	<2.0	<1.0	10.1	321	0.41	19	<0.10	2130	0.58	0.26	2000	1910	<0.60	13.7	<3.0	<20	<2.0	11.8	<0.10	<20	0.657	<2.0	<0.30	<0.10		<0.30	6640		3
SRK-VD04	9/17/2005	31800	3.5	24200	<2.0	<50	53300	326	<4.0	<4.0	<0.20	<0.10	<4.0	<2.0	16.1	462	<0.20	32.1	<0.20	3760	<1.0	0.84	5260	3830	<0.60	24.3	<6.0	<40	<4.0	19.4	<0.40	<40	0.98	<20	<0.60	<0.20		<1.6	12000		3
SRK-VD04	5/28/2006	28000	3.38	20400	<2	<500	42900	146	<4	<4	<0.2	<0.1	<4	<2	10.1	422	<0.2	24.9	<0.2	3320	1.1	0.58	3760	3260	<0.6	17.9	<6	<40	<4	15.8	<0.2	<40	0.94	<4	<0.6	<0.2		<0.6	10700		3
SRK-VD04	9/24/2006	33600	3.5	24000	<2.0	<1000	53800	142	<4.0	<4.0	<0.20	<0.10	<4.0	<2.0	8.9	450	<0.20	26.6	<0.20	3800	<1.0	0.64	4850	3060	<0.60	20.3	<6.0	<40	<0.30	17.2	<0.20	<40	1.28	<4.0	2.14	<0.20		<6.0	11000		3
SRK-VD04	5/27/2007	91900	3.34	25000	<0.5	<20	53200	168	0.002	0.024	0.006	0.026	<0.001	<0.05	6.39	438	0.013	26	0.061	3450	1.39	0.82	5110	3760	0.434	19	<0.15	3.5	0.11	24.8	0.026	15.3	1.11	0.024	<0.001	0.006		0.006	10700		3
SRK-VD04	9/10/2007	34100	3.08	28700	<2	<2500	60800	294	<0.3	<0.3	<0.15	<1.5	<1.5	<30	8.33	389	<1.5	21.4	0.59	3630	0.55	<15	5520	3230	<0.15	16.1	<6	<40	<3	20.9	<0.03	<40	0.91	<0.3	<0.3	<0.2		<3	10100		3
SRK-VD04	9/18/2008	35000	3.4	39500	<0.5	<5	63000	687	<0.02	0.066	0.024	0.059	<0.005	<50	15.4	451	0.105	27.3	<0.05	4020	1.23	1.19	5010	3680	<0.05	20.8		<10	0.055	<100	0.024	<10	1.17	0.015	<0.01	<0.5	1.72	<0.2	16000	<0.1	3
SRK-VD05	6/10/2002	11700	6.17	2550	160	1	13700	<2	<2	<2	<0.1	<0.05	<4	<1	0.7	442	<0.1	10.3	<0.2	243	<0.5	0.2	1880	1000	<0.3	7.2	<3	<20	<2	9.5	<0.1	<20	2.15	<2	<0.4	<0.1		<0.3	1650		2
SRK-VD05	9/12/2002	1730	5.4	5490	119	0.7	23000	<4	<4	<4	<0.2	<0.1	<4	<2	1.1	440	<0.2	15.6	<0.2	807	<1	0.3	3170	1600	<0.6	12	<6	<40	<4	11	<0.2	<40	3	<4	<0.6	<0.2		<0.6	2850		3
SRK-VD05	9/26/2004	31900	5.39	17000	127	<500	46900	<10	<10	<10	<0.5	<0.25	<10	<5	6.33	530	<0.5	28.4	1.46	3280	<2.5	<0.5	6140	3560	<1.5	20.7	<15	<100	<10	9	<0.5	<100	4.14	<10	<1.5	<0.5		<1.5	8740		3
SRK-VD05	5/17/2005	15400	4.28	7570	81.0	<50	17500	<2.0	<2.0	<2.0	<0.10	<0.050	<2.0	<1.0	1.60	226	0.17	7.67	0.21	888	<0.50	0.16	2160	1090	<0.30	6.53	<3.0	<20	<2.0	3.67	<0.10	<20	1.51	<2.0	<0.30	<0.10		<0.30	2760		3
SRK-VD05	9/17/2005	34300	5.29	28700	125	<50	58000	15.2	<4.0	<4.0	<0.20	<0.10	<4.0	<2.0	6.85	515	<0.20	25.8	1.34	4100	<1.0	0.79	7400	3990	<0.60	20.9	<6.0	<40	<4.0	10.5	<0.20	<40	3.51	10.3	<0.60	<0.20		2.58	10900		3
SRK-VD05	5/28/2006	16600	5.92	6230	7.6	<500	18600	<4	<4	<4	<0.2	<0.1	<4	<2	1.07	336	<0.2	7.81	<0.2	1070	<1	0.27	2790	1200	<0.6	6.8	<6	<40	<4	5.0	<0.2	<40	2.30	<4	<0.6	<0.2		<0.6	2580		2
SRK-VD05	9/24/2006	31700	5.36	14400	39.2	<1000	46200	<4.0	<4.0	<4.0	<0.20	<0.10	<4.0	<2.0	2.29	453	<0.20	17.9	<0.20	2940	<1.0	0.58	6750	2410	<0.60	16.5	<6.0	<40	<4.0	9.9	<0.20	<40	4.62	<4.0	2.96	<0.20		<6.0	6110		3
SRK-VD05	5/27/2007	06920	4.98	01340	05.3	2.08	04870	0.026	<0.001	0.002	0.15	<0.001	<0.001	<0.05	0.15	081	<0.001	01.6	0.013	0230	0.01	0.07	0702	0236	0.028	01.6	<0.15	1.7	0.008	1.7	0.0012	1.85	0.64	0.0005	<0.001	<0.001		<0.001	0468		2
SRK-VD05	9/10/2007	31500	5.69	20500	63.2	<2500	50300	<2	<0.2	<0.2	<0.1	<1	<1	<20	1.73	425	<1	19.1	0.27	2860	<0.1	<10	7350	3020	<0.1	17.3	<6	<40	<2	9.7	<0.02	<40	5.54	<0.2	<0.2	<0.2		<2	6450		3
SRK-VD05	9/18/2008	43000	4.00	41600	<0.5	<5	88800	201	<0.02	0.102	0.073	0.038	<0.005	<50	13.00	603	<0.1	30.4	4.48	8350	0.71	0.86	8410	4830	<0.05	25.9		<10	0.113	<100	0.024	<10	3.71	0.011	<0.01	<0.5	0.856	<0.2	16700	<0.1	3
SRK-VD06	6/10/2002	1200	7.39	53	30	0.7	766	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.08	207	<0.01	0.1	0.01	<0.03	<0.05	0.02	54.2	4.8	<0.03	0.18	<0.3	2	<0.2	0.87	<0.01	<2	0.517	<0.2	<0.03	<0.01		<0.03	27.9		2
SRK-VD06	6/6/2003	1240	6.91	56	28	<0.5	822	<0.2	<0.2	<0.2	0.02	<0.005	<0.2	<0.1	0.09	199	<0.01	0.06	<0.01	<0.03	<0.05	0.02	59	3.65	<0.03	0.14	<0.3	<2	<0.2	0.79	<0.01	<2	0.498	<0.2	<0.03	<0.01		<0.03	22.8		2
SRK-VD06	5/29/2004	904	6.14	65.8	15	0.54	511	<0.2	<0.2	<0.2	0.059	<0.005	<0.2	<0.1	0.049	91.7	<0.01	0.069	<0.01	0.697	<0.05	<0.01	26.5	3.28	<0.03	0.105	<0.3	<2	<0.2	0.748	<0.01	<2	0.251	<0.2	<0.03	<0.01		<0.03	19.8		2
SRK-VD06	5/17/2005	1330	7.50	69.5	16.7	<0.50	770	<0.20	<0.20	<0.20	0.022	<0.0050	<0.20	<0.10	0.082	183	<0.010	0.099	0.026	2.41	<0.050	0.017	48.0	4.78	<0.030	0.178	<0.30	<2.0	<0.20	0.648	<0.010	<2.0	0.399	<0.20	<0.030	<0.010		<0.030	27.2		2
SRK-VD06	5/28/2006	1240	6.83	99.5	7.9	<0.5	702	<0.2	<0.2	<0.2	0.019	<0.005	<0.2	<0.1	0.083	157	<0.01	0.111	0.072	7.34	<0.05	0.016	55.5	6.49	<0.03	0.227	<0.3	<2	<0.2	0.972	<0.01	<2	0.363	<0.2	<0.03	<0.01		<0.03	35.4		2
SRK-VD06	5/27/2007	0963	6.75	35.0	21.8	<0.4	543	0.004	0.0004	0.0004	0.048	<0.0002	<0.0002	<0.01	0.040	102	<0.0002	0.029	0.071	0.06	0.0008	0.011	27.6	2.41	0.0004	0.065	<0.03	0.92	0.0012	0.420	<0.00005	0.3	0.263	0.0015	<0.0002	<0.0002		<0.0002	13		2
SRK-VD07	6/10/2002	3420	2.79	1400	<1	0.7	2470	27.9	<0.4	<0.5	<0.02	<0.01	<0.4	<0.2	1.19	196	0.03	0.75	11.2	240	0.6	0.08	105	17.6	<0.06	1.1	<0.6	<4	<0.4	12.4	<0.02	<4	0.45	<0.4	<0.06	<0.02		<0.06	471		3
SRK-VD07	9/12/2002	14600	2.55	16500	<1	11	19200	339	<4	19	<0.2	<0.1	<4	<2	8.5	457	0.3	6	180	3040	<1	0.5	721	232	<0.6	7	<6	<40	<4	74	<0.2	<40	0.7	<4	<0.6	<0.2		<0.6	4850		3
SRK-VD08	6/10/2002	5620	3.85	1840	3	0.5	5130	7	<2	<2	<0.1	<0.05	<2	<1	4.1	528	<0.1	2.1	9.2	14.8	2.5	0.1	346	122	<0.3	3.3	<3	<20	<2	11.2	<0.1	<20	0.9	<2	<0.3	<0.1		<0.3	1430		3
SRK-VD09	6/11/2002	4610	6.36	764	11	0.8	3550	<0.4	<0.4	<0.4	<0.02	<0.01	<0.6	<0.2	0.83	444	<0.04	1.72	0.37	35.3	0.1	0.12	371	79.7	<0.06	2.8	<2	11	<0.4	4.3	<0.02	<4	1.78	<0.4	<0.06	<0.02		<0.06	499		3
SRK-VD09B	9/12/2002	5190	4.18	836	14	<0.5	4370	0.4	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.56	467	<0.02	2.45	0.07	25.5	0.7	0.19	514	126	<0.06	3.7	<0.6	10	<0.4	5.9	<0.02	5	1.9	<0.4	<0.06	<0.02		<0.06	474		3
SRK-VD09C	6/6/2003	4620	3.74	860	<1	<0.5	4340	2.5	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.73	446	<0.02	2.2	0.69	68.5	1.8	0.18	464	103	<0.06	3.5	<0.6	9	<0.4	8.7	<0.02	<4	1.59	<0.4	<0.06	<0.02		<0.06	474		3
SRK-VD09C	9/14/2003	4550	5.03	581	12	0.8	3810	1.5	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.45	402	<0.02	1.84	0.67	0.12	1	0.19	487	99.6	<0.06	2.8	<0.6	7	<0.4	5.4	<0.02	4	1.85	<0.4	<0.06	<0.02		<0.06	352		3
SRK-VD09	5/30/2004	4490	3.71	875	<1	<0.5	3690	14.9	<0.6	<0.6	<0.03	<0.015	<0.6	<0.3	0.727	406	<0.04	2.67	1.33	20.7	1.84	0.188	365	96	<0.09	3.4	<0.9	6.7	<0.6	9.84	<0.03	<6	1.27	<0.6	<0.09	<0.03		<0.09	508		3
SRK-VD09	9/27/2004	5110	4.85	709	4.6	<10	4240	4.04	<0.4	<0.6	<0.02	<0.01	<0.4	<0.2	0.486	443	<0.02	2.18	0.256	22.7	1.32	0.189	528	124	<0.06	3.14	<0.6	9.5	<0.4	7.5	<0.02	4.6	1.79	<0.4	<0.06	<0.02		<0.2	429		3
SRK-VD09	5/19/2005	4500	3.26	1040	<2.0	<10	3850	29.6	<0.20	<0.20	<0.010	0.0064	<0.20	<0.10	0.701	384	<0.010	2.12	3.30	115	1.57	0.168	361	89.3	<0.030	2.53	<0.30	5.2	<0.20	11.1	<0.020	3.0	1.17	<0.20	<0.030	<0.010		<0.030	474		3
SRK-VD09	9/17/2005	4800	4.22	755	3.3	<10	4290	6.53	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.693	488	<0.020	2.16	0.697	0.979	1.13	0.294	604	124	<0.060	3.43	<0.60	12.1	<0.40	9.47	<0.020	5.2	2.23	<0.80	<0.060	<0.020		<0.060	435		3
SRK-VD09	5/28/2006	5320	4.14	1200	<2	<10	4430	31.8	<0.4	<0.4	<0.02	<0.01	<0.4	<0.2	0.844	396	<0.02	3.19	2.54	108	1.59	0.193	566	119	<0.06	3.75	<0.6	11.8	<0.4	8.56	<0.02	7.0	1.45	<0.4	<0.06	<0.02		<0.06	583		3
SRK-VD09	5/27/2007	9760	3.33	2500	<0.5	<2	6670	92.7	<0.001	0.009	0.005	0.021	<0.001	<0.05	1.340	402	<0.001	5.20	5.70	230	2.06	0.320	603	169	0.018	5.06	<0.15	04.7	0.026	23.60	0.0025	3.7	1.24	0.0044	<0.001	<0.001		<0.001	903		3
SRK-VD09	9/18/2008	6900	4.10	3370	<0.5	<0.5	6390	62.4	<0.0004	0.0199	0.0146	0.0099	<0.0001	<1	0.968	428	<0.002	3.26	0.13	400	1.31	0.314	626	135	<0.001	4.41		3	0.0068	16.30	0.0005	1.3	1.58	0.00286	<0.0002	<0.01	0.121	<0.004	674	<0.002	3

Sample ID	Date Sampled	Cond (uS/cm)	Lab pH	Acidity (to pH 8.3) CaCO3	Alkalinity-Total CaCO3	Chloride Cl	Sulphate SO4	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr	Water Type
	Min. detection level	2	0.01	1	0.5	0.5	0.5	0.002	0.0001	0.0002	0.01	0.00001	5E-06	0.01	0.00002	0.05	0.0001	0.00003	0.0005	0.0002	0.0002	0.003	0.1	0.005	0.00005	0.00002	0.03	0.05	0.0002	0.05	0.000005	2	0.3	0.0001	0.00001	0.0002	2E-06	0.0002	0.005	0.0001	
	Units	uS/cm	s.u.	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
SRK-VD10	5/29/2004	5490	5.71	1370	88.2	2.11	4700	<1	<1	<1	<0.05	<0.025	<1	<0.5	0.28	476	<0.05	2.89	<0.05	106	<0.25	<0.05	499	138	<0.15	3.89	<1.5	16	<1	8.38	<0.05	13	1.52	<1	<0.15	<0.05		<0.15	707		3
SRK-VD10	9/26/2004	13500	4.95	5390	28	<250	15300	<2	<2	<2	<0.1	<0.05	<2	<1	<0.1	530	<0.1	7.19	<0.3	1100	<0.5	0.24	1820	1130	<0.3	4.85	<3	28	<2	12.6	<0.1	<20	2.12	<2	<0.3	<0.1		<1	1750		3
SRK-VD10	5/17/2005	6430	3.98	2460	<2.0	<25	5420	0.60	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.218	431	0.053	3.12	<0.020	191	<0.10	0.063	565	201	<0.060	4.02	<0.60	10.0	<0.40	9.13	<0.020	10.2	1.29	<0.40	<0.060	<0.020		0.068	811		3
SRK-VD10	9/17/2005	14800	5.49	5900	84.0	<10	15000	<2.0	<2.0	<2.0	<0.10	<0.050	<2.0	<1.0	<0.10	469	<0.10	8.70	<0.10	1380	<0.50	0.23	2260	1310	<0.30	5.73	<3.0	<20	<2.0	13.4	<0.10	<20	1.97	3.0	<0.30	<0.10		0.80	2540		3
SRK-VD10	5/28/2006	07910	6.47	4250	14.2	<50	07310	<1	<1	<1	<0.05	<0.025	<1	<0.5	0.182	449	<0.05	4.17	<0.05	0342	<0.25	0.10	0879	0338	<0.15	4.97	<1.5	14	<1	10.8	<0.05	15	1.67	<1	<0.15	<0.05		<0.15	1300		3
SRK-VD10	5/27/2007	08740	4.12	2150	<0.5	<4	06340	2.25	<0.001	0.005	0.01	<0.001	<0.001	<0.05	0.27	372	<0.001	3.24	0.032	0180	0.004	0.08	0619	0186	0.021	4.17	<0.15	12.3	0.014	10.4	0.0029	13.3	1.49	0.0	<0.001	<0.001		<0.001	958		3
SRK-VD10	9/18/2008	16000	4.70	8800	<0.5	<5	19650	0.506	<0.004	<0.004	0.015	<0.002	<0.001	<10	0.303	508	<0.02	8.66	<0.01	1830	0.003	0.14	1990	1120	<0.01	6.61		14	0.019	<20	0.004	<2	2.15	0.0	<0.002	<0.1	0.003	<0.04	2920	<0.02	3
SRK-VD12	5/17/2005	3240	3.03	734	<2.0	<5.0	2230	17.2	<0.20	0.43	0.022	0.0064	<0.20	<0.10	0.210	287	0.013	1.30	2.60	104	0.263	0.077	243	33.6	<0.030	1.66	0.32	4.0	<0.20	5.53	<0.010	2.6	0.928	<0.20	<0.030	<0.010		<0.030	211		3
SRK-VD12	9/18/2008	23000	2.60	24600	<0.5	10	37800	494.0	0.108	47.80	0.028	0.0820	<0.003	<30	6.510	368	0.573	29.50	62.40	4000	0.204	1.050	3330	856.0	<0.03	38.00		<5	0.1	<50	0.021	<5	1.520	0.002	0.006	0.364	0.914	0.211	6730	<0.05	3

Appendix B
Pit Seepage Monitoring Results

Sample ID	Date Sampled	Field Parameters					Physical Tests		Dissolved Anions				Dissolved Metals								
		pH	Cond uS/cm	Temp °C	ORP mV	Flow L/min	Cond uS/cm	pH	Acidity (to pH 8.3) mg CaCO3/L	Alkalinity-Total mg CaCO3/L	Cl mg/L	SO4 mg/L	Al mg/L	Sb mg/L	As mg/L	Ba mg/L	Be mg/L	Bi mg/L	B mg/L	Cd mg/L	Ca mg/L
04-FP01	3-Jun-04	6.54	3630	11.5	414	4	3540	7.29	80.6	280	44.2	2310	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.022	631
04-FP02	3-Jun-04	7.46	1170	11.1	379	4	1150	8.01	2.4	139	0.64	428	<0.2	<0.2	<0.2	0.014	<0.005	<0.2	<0.1	<0.01	44.4
04-FP03	3-Jun-04	3.02	5180	12.4	657	25	5120	2.94	1960	<1	0.94	4100	2.5	<1.0	<1.0	<0.050	<0.025	<1.0	<0.7	0.904	302
04-FP04	3-Jun-04	7.32	616	12.5	349	600	600	8.05	4.2	239	<0.50	99.4	<0.2	<0.2	<0.2	0.036	<0.005	<0.2	<0.1	<0.01	58.6
04-FP05	3-Jun-04	8.12	1038	14.8	331	7.5	983	8.11	3.9	293	<0.50	287	<0.2	<0.2	<0.2	0.031	<0.005	<0.2	<0.1	<0.01	94.2
04-FP06	3-Jun-04	7.23	275	11.2	436	not recorded	277	7.84	1	119	<0.50	21.7	<0.2	<0.2	<0.2	0.016	<0.005	<0.2	<0.1	<0.01	32.8
04-FP07	3-Jun-04	7.03	379	4.2	424	400	393	7.99	4.1	193	<0.50	25.5	<0.2	<0.2	<0.2	0.062	<0.005	<0.2	<0.1	<0.01	50.4
05-SF-A25	16-May-05	7.74	2490	2.7	438		434	8.24	<1	205	<0.5	38	<0.2	<0.2	<0.2	0.078	<0.005	<0.2	<0.1	<0.01	67
05-SF-FP04	17-May-05	8.18	586	6	295		554	8.07	4.9	252	<0.5	70.9	<0.2	<0.2	<0.2	0.039	<0.005	<0.2	<0.1	<0.01	82.7
05-S-FP02	18-May-05	6.74	1903	7.8	293		1840	6.99	227	55.3	<0.5	1120	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.13	171
05-S-FP03	18-May-05	2.9	204	2.7	645		3170	2.96	1240	<2	<10	1940	<0.2	<0.2	<0.2	<0.01	0.0097	<0.2	<0.1	0.428	135
05-SF-A25	13-Sep-05	7.32	435	7.1	560	30	415	7.97	4.1	234	<0.50	18.7	<0.2	<0.2	<0.2	0.11	<0.005	<0.2	<0.1	<0.01	88.8
05-F-FP01	15-Sep-05	6.93	3650	7.1	410	0.5	3490	7.53	91.6	279	51.2	2230	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	0.022	445
05-F-FP02	15-Sep-05	7.46	764	10.6	345	5	727	7.43	4.7	80.8	<0.50	327	<0.2	<0.2	<0.2	0.011	<0.005	<0.2	<0.1	<0.01	91.2
05-F-FP03	15-Sep-05	8.43	407	14.1	619	20	425	8.3	<1.0	220	<0.50	34.7	<0.2	<0.2	<0.2	0.039	<0.005	<0.2	<0.1	<0.01	80.7
05-SF-FP04	16-Sep-05	7.84	569	3.5	624	15	520	8.16	2.5	272	<0.50	38.2	<0.2	<0.2	<0.2	0.068	<0.005	<0.2	<0.1	<0.01	74.5
05-F-FP05	16-Sep-05	7.6	598	6.8	164	15	567	8.14	2.7	275	<0.50	77.3	<0.2	<0.2	<0.2	0.091	<0.005	<0.2	<0.1	<0.01	84.8
05-F-FP06	16-Sep-05	6.25	3200	5	309	>1.8	2930	6.18	836	64	<5.0	2180	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.325	293
05-F-FP07	16-Sep-05	3.02	1687	8.7	759	>1.8	1550	3.17	308	<2.0	<5.0	843	0.9	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.137	111
A25	23-May-06	7.05	494	1.8	131	30	502	7.67	7.8	259	<0.5	42	<0.2	<0.2	<0.2	0.087	<0.005	<0.2	<0.1	<0.01	84.1
FP04	24-May-06	8.15	646	13.5	198	4	562	7.93	4.8	262	<0.5	69.7	<0.2	<0.2	<0.2	0.052	<0.005	<0.2	<0.1	<0.01	71.6
FP05	24-May-06	7.85	571	6.2	146	15	550	8.04	4.2	266	<0.5	64.6	<0.2	<0.2	<0.2	0.063	<0.005	<0.2	<0.1	<0.01	65.7
FP11	24-May-06	6.27	2490	7.4	113	trace	3500	6.1	955	7.8	<2.5	2750	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.209	285
FP08	27-May-06	3.19	1014	7.6	533	trace	1320	3.11	310	<2	<0.5	629	10.9	<0.2	0.22	0.013	0.0054	<0.2	<0.1	0.043	63.4
FP01	21-Sep-06	7.3	3830	8	164	1	3690	7.7	74.6	285	63	2350	<0.20	<0.20	<0.20	0.014	<0.0050	<0.20	<0.10	0.018	479
FP13	21-Sep-06	6.62	4350	14.1	460	3	3750	3.42	960	<2.0	<25	2860	<0.20	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	0.287	253
FP14	21-Sep-06	5.84	746	12.7		3	718	7.85	5.9	214	<0.50	199	<0.20	<0.20	<0.20	0.035	<0.0050	<0.20	<0.10	0.015	80.8
FP15	21-Sep-06	7.45	764	15	103	4	734	8.05	3.7	88.8	<0.50	314	<0.20	<0.20	<0.20	0.011	<0.0050	<0.20	<0.10	<0.010	92.7
FP06	21-Sep-06	8.35	378	6.2	74	17	372	8.31	<1.0	176	<0.50	29.4	<0.20	<0.20	<0.20	0.028	<0.0050	<0.20	<0.10	<0.010	49.8
FP16	21-Sep-06	7.31	989	8.6	105	240	967	7.23	65	24.8	<0.50	513	<0.20	<0.20	<0.20	0.016	<0.0050	<0.20	<0.10	0.053	93.9
FP09	21-Sep-06	7.79	259	8.2	115	330	256	7.75	8.5	49.6	<0.50	75	<0.20	<0.20	<0.20	0.025	<0.0050	<0.20	<0.10	<0.010	26.5
FP10	21-Sep-06	7.85	1112	4.1	84	25	1100	8.17	2.4	214	1.42	437	<0.20	<0.20	<0.20	0.021	<0.0050	<0.20	<0.10	<0.010	121
FP11	21-Sep-06	6.45	2480	6.5	337	1.5	2990	6.48	813	139	<25	2120	<0.20	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	0.234	219
FP12	21-Sep-06	7.97	559	7.2	160	30	514	8.16	1.8	258	<0.50	40	<0.20	<0.20	<0.20	0.062	<0.0050	<0.20	<0.10	<0.010	73.7
FP-05	28-May-07	7.67	598	5.3	286	20	573	8.06	5	271	<0.4	68	<0.001	<0.0002	0.0002	0.058	<0.0002	<0.0002	<0.01	0.00009	70.6
FP-07	28-May-07	3.3	2590	6.8	598	trickle	3320	2.93	990	<0.5	<1	2080	2.8	<0.001	0.006	0.001	0.01	<0.001	<0.05	0.365	139
FP-10	28-May-07	7.2	1458	0.4	32	1	1340	7.66	5	143	1.48	737	0.004	<0.0002	0.0003	0.017	<0.0002	<0.0002	<0.01	0.0033	149
FP-11	28-May-07	7.79	551	11.1	274	12	502	7.96	4	241	<0.4	57.7	0.001	<0.0002	0.0002	0.049	<0.0002	<0.0002	<0.01	0.00006	67.7
A25	28-May-07	6.74	499	2.3	299	50	484	7.81	11	247	0.4	38.3	<0.001	<0.0002	0.0002	0.082	<0.0002	<0.0002	<0.01	0.00023	76.9
FP-01	11-Sep-07	7.49	3310	11.1	328	5	3380	6.73	118	233	41	2200	<0.01	<0.001	<0.001	0.0148	<0.005	<0.005	<0.1	0.021	461
FP06	11-Sep-07	7.67	257	6.2	250	20	360	8.15	3.4	152	<0.5	35.5	0.901	0.00021	0.0004	0.025	<0.0005	<0.0005	<0.01	0.000058	51.8
FP-09	11-Sep-07	8.01	348	10.4	311	350	323	7.05	20.8	42.6	<0.5	111	0.0175	<0.0002	<0.0002	0.0323	<0.001	<0.001	<0.02	0.0107	33.2
FP-10	11-Sep-07	8.32	1189	4.7	182	50	1170	8.01	7.1	175	1.38	486	0.0117	<0.0002	<0.0002	0.0166	<0.001	<0.001	<0.02	0.00371	131
FP12	11-Sep-07	6.9	600	13.7	250	50	577	8.26	<1	260	<0.5	67.5	0.024	<0.0001	<0.0001	0.0775	<0.0005	<0.0005	<0.01	0.00119	69.3
FP13	11-Sep-07	6.49	4800	13.4	466	50	4510	2.83	2100	<2	<250	3850	3.95	<0.02	0.05	<0.01	<0.1	<0.1	<2	0.716	217
FP14	11-Sep-07	6.79	663	15.3	150	60	620	7.64	12.7	240	<0.5	99.8	0.0013	<0.0001	<0.0001	0.0588	<0.0005	<0.0005	<0.01	0.00555	75.8
FP15	11-Sep-07	7.53	477	9.8	240	2	454	6.94	16.1	77.07	<0.5	159	0.0267	<0.0001	<0.0001	0.0258	<0.0005	<0.0005	<0.01	0.00347	66.4
FP16	11-Sep-07	7.14	876	8.3	385	500	869	5.35	109	2.7	<0.5	468	3.13	<0.001	<0.001	0.0206	<0.005	<0.005	<0.1	0.0601	67.7
FP17	11-Sep-07	6.25	6600	10.4	474	trickle	6730	2.71	5610	<2	<250	7240	85.5	<0.05	0.937	<0.025	<0.25	<0.25	<5	2.19	272
A25	13-Sep-07	6.7	436	6.6	128	75	416	7.96	6.4	234	<0.5	21.7	<0.001	<0.0001	<0.0001	0.0802	<0.0005	<0.0005	<0.01	<0.00005	68
FP-04	13-Sep-07	7.87	560	12.1	158	5	523	8.13	3.8	260	<0.5	48.1	0.001	<0.0001	<0.0001	0.0558	<0.0005	<0.0005	<0.01	<0.00005	71
FP-05	13-Sep-07	7.47	567	9.1	95	50	541	8.12	4.2	259	<0.5	56.5	<0.001	<0.0001	<0.0001	0.0806	<0.0005	<0.0005	<0.01	0.000129	72.5
FP-11	13-Sep-07	5.94	2470	11.4	20	1	3260	6.06	1170	34.8	<50	2600	0.17	<0.01	0.034	0.0104	<0.05	<0.05	<1	0.338	263
FP-16	13-Sep-07	7.75	607	8.2	198	30	545	8.12	4	276	<0.5	57.5	<0.001	<0.0001	<0.0001	0.0563	<0.0005	<0.0005	<0.01	<0.00005	83.3
FP10	14-May-08	4.79	2100	4.3	197	50	2100	3.9	376	<0.5	0.5	1300	10.3	<0.0001	0.0027	0.0153	0.00663	<0.00003	<0.3	0.163	173
FP05	15-May-08	7.79	600	3	34	12	580	8	<0.5	230	<0.5	74	0.0026	0.00004	<0.00002	0.0606	<0.00001	<0.000005	<0.05	0.000226	89
FP18	15-May-08	8.3		4.5	27	20	560	8.1	3	220	<0.5	79	0.0027	0.00002	<0.00002	0.0494	<0.00001	<0.000005	<0.05	0.000006	100
A25	13-Sep-08	7.68	259	5.7	288	120	360	8.3	4.7	180	<0.5	20	0.0014	0.00003	0.00006	0.0746	<0.00001	<0.000005	<0.05	0.000009	52.7
FP01	16-Sep-08	6.65	3416	6.4	173	10	4500	7.4	324	250	45	3300	0.005	<0.0001	0.0003	0.016	<0.00005	<0.00003	<0.3	0.0656	612
FP02	16-Sep-08	6.92	1032	7	6	5	1200	7.1	95.4	81	0.6	590	0.006	<0.0001	0.0001	0.0123	0.00008	<0.00003	<0.3	0.0623	123
FP06	16-Sep-08	8.48	315	5.9	123	40.2	430	8.4	<0.5	210	0.8	38	0.0104	0.00017	0.00037	0.0314	0.00002	<0.000005	<0.05	0.000028	60.3
FP09	16-Sep-08	7.42	297	5.9	133	900	400	7.4	23.2	31	0.5	160	0.077	<0.0001	0.0002	0.0255	0.00045	<0.00003	<0.3	0.024	31.3
FP10	16-Sep-08	7.69	1278	6.1	173	90	1700	8.1	8.6	190	1.5	820	0.0101	0.00009	0.00015	0.0187	0.00003	<0.000005	<0.05	0.00441	208
FP12	16-Sep-08	8.37	290	6.6	183	15	370	8.2	<0.5	180	0.9	33	0.0055	0.00003	0.00008	0.077	<0.00001	<0.000005	<0.05	0.000023	54
FP13	16-Sep-08	2.27	2546	7	496	15	3200	2.9	999	<0.5	1.1	2000	2.7	0.0001	0.0094	0.004	0.00824	<0.00003	<0.3	0.478	165
FP14	16-Sep-08	6.03	1573	7.2	294	720	2000	6.6	423	22	1	1200	0.055	<0.0004	<0.0004	0.0151	0.0011	<0.0001	<1	0.291	142
FP15	16-Sep-08	6.69	490	6.9	201	1	620	7.7	18.2	63	0.6	270	0.0974	0.00002	0.00008	0.016	0.0002	<0.000005	<0.05	0.00516	82.1
FP19	16-Sep-08	8.24	1169	5.9	171	0.5	1400	8.3	<0.5	210	1.5	550	0.0029	0.00058	0.00174	0.0145	<0.00001	<0.000005	<0.05	0.000087	94.9

Sample ID	Date Sampled	Dissolved Metals																							
		Cr mg/L	Co mg/L	Cu mg/L	Fe mg/L	Pb mg/L	Li mg/L	Mg mg/L	Mn mg/L	Mo mg/L	Ni mg/L	P mg/L	K mg/L	Se mg/L	Si mg/L	Ag mg/L	Na mg/L	Sr mg/L	Tl mg/L	Sn mg/L	Ti mg/L	U mg/L	V mg/L	Zn mg/L	Zr mg/L
04-FP01	3-Jun-04	<0.01	0.047	0.014	<0.03	<0.05	0.097	171	6.01	<0.03	0.194	<0.3	8.2	<0.2	7	<0.01	58.3	2.24	<0.2	<0.03	0.012		<0.03	45.2	
04-FP02	3-Jun-04	<0.01	<0.01	<0.01	<0.03	<0.05	0.032	10.1	<0.005	<0.03	<0.05	<0.3	<2	<0.2	2.61	<0.01	150	1.2	<0.2	<0.03	<0.01		<0.03	0.0509	
04-FP03	3-Jun-04	<0.050	1.55	2.55	192	0.95	0.131	413	82	<0.15	1.41	<1.5	<10	<1.0	3.86	<0.05	<10	0.796	<1.0	<0.15	<0.05		<0.15	875	
04-FP04	3-Jun-04	<0.01	<0.01	<0.01	<0.03	<0.05	0.043	28.4	0.0928	<0.03	<0.05	<0.3	3.1	<0.2	0.989	<0.01	14.9	1.66	<0.2	<0.03	<0.01		<0.03	0.832	
04-FP05	3-Jun-04	<0.01	<0.01	<0.01	<0.03	<0.05	0.055	59.2	<0.005	<0.03	<0.05	<0.3	6.1	<0.2	0.808	<0.01	35.6	3.24	<0.2	<0.03	<0.01		<0.03	<0.005	
04-FP06	3-Jun-04	<0.01	<0.01	<0.01	<0.03	<0.05	0.021	10.4	<0.005	<0.03	<0.05	<0.3	2.2	<0.2	4.66	<0.01	3	0.234	<0.2	<0.03	<0.01		<0.03	<0.005	
04-FP07	3-Jun-04	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	13.2	<0.005	<0.03	<0.05	<0.3	<2	<0.2	1.75	<0.01	2.6	0.536	<0.2	<0.03	<0.01		<0.03	<0.005	
05-SF-A25	16-May-05	<0.01	<0.01	<0.01	<0.03	<0.05	0.013	20	<0.005	<0.03	<0.05	<0.3	<2	<0.2	1.46	<0.01	2.8	0.637	<0.2	<0.03	<0.01		<0.03	0.0055	
05-SF-FP04	17-May-05	<0.01	<0.01	<0.01	<0.03	<0.05	0.022	28	<0.005	<0.03	<0.05	<0.3	3.6	<0.2	0.804	<0.01	5.7	1.47	<0.2	<0.03	<0.01		<0.03	<0.005	
05-S-FP02	18-May-05	<0.01	0.108	0.043	16.4	<0.05	0.103	104	8.57	<0.03	0.069	<0.3	3.2	<0.2	1.05	<0.01	8.5	2.71	<0.2	<0.03	<0.01		<0.03	151	
05-S-FP03	18-May-05	0.03	0.504	2.55	110	1.27	0.038	157	25.4	<0.03	0.487	<0.3	<2	<0.2	2.97	<0.01	<2	0.21	<0.2	<0.03	<0.01		<0.03	420	
05-SF-A25	13-Sep-05	<0.01	<0.01	<0.01	<0.03	<0.05	0.013	20	<0.005	<0.03	<0.05	<0.3	2.1	<0.2	2.97	<0.01	3.6	0.749	<0.2	<0.03	<0.01		<0.03	<0.005	
05-F-FP01	15-Sep-05	<0.01	0.022	<0.01	<0.03	<0.05	0.083	184	4.9	<0.03	0.256	<0.3	6.4	<0.2	5.78	<0.01	46.9	1.82	<0.2	<0.03	<0.01		<0.06	52.4	
05-F-FP02	15-Sep-05	<0.01	<0.01	<0.01	0.128	<0.05	0.016	38.3	0.0362	<0.03	<0.05	<0.3	<2	<0.2	2.42	<0.01	5.1	0.284	<0.2	<0.03	<0.01		<0.03	0.791	
05-F-FP03	15-Sep-05	<0.01	<0.01	<0.01	<0.03	<0.05	0.048	27.2	<0.005	<0.03	<0.05	<0.3	3.3	<0.2	6.33	<0.01	6	0.819	<0.2	<0.03	<0.01		<0.03	0.029	
05-SF-FP04	16-Sep-05	<0.01	<0.01	<0.01	<0.03	<0.05	0.025	34.8	<0.005	<0.03	<0.05	<0.3	3.6	<0.2	1.46	<0.01	11.1	1.67	<0.2	<0.03	<0.01		<0.03	<0.005	
05-F-FP05	16-Sep-05	<0.01	<0.01	<0.01	0.146	<0.05	0.041	31.7	0.0973	<0.03	<0.05	<0.3	2.5	<0.2	1.94	<0.01	10.7	1.88	<0.2	<0.03	<0.01		<0.03	1.16	
05-F-FP06	16-Sep-05	0.027	0.535	<0.01	276	0.309	0.153	174	23.8	<0.03	0.414	<0.3	5.2	<0.2	6.23	<0.01	16.8	3.05	<0.2	<0.03	<0.01		<0.11	386	
05-F-FP07	16-Sep-05	0.013	0.183	0.849	29.1	2.46	0.032	98.7	11.4	<0.03	0.194	<0.3	<2	<0.2	2.06	<0.01	3.6	0.358	<0.2	<0.03	<0.01		<0.06	110	
A25	23-May-06	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	20.9	<0.005	<0.03	<0.05	<0.3	2.3	<0.2	1.88	<0.01	5	0.84	<0.2	<0.03	<0.01		<0.03	<0.005	
FP04	24-May-06	<0.01	<0.01	<0.01	<0.03	<0.05	0.028	37.4	<0.005	<0.03	<0.05	<0.3	5	<0.2	1.26	<0.01	14.9	2.1	<0.2	<0.03	<0.01		<0.03	<0.005	
FP05	24-May-06	<0.01	<0.01	<0.01	0.042	<0.05	0.037	25.2	0.042	<0.03	<0.05	<0.3	2.9	<0.2	1.52	<0.01	10.6	1.64	<0.2	<0.03	<0.01		<0.03	0.746	
FP11	24-May-06	<0.01	0.482	<0.01	238	0.313	0.13	180	22.8	<0.03	0.419	<0.3	5.8	<0.2	6	<0.01	16.7	2.22	<0.2	<0.03	<0.01		<0.03	365	
FP08	27-May-06	<0.01	0.226	4.09	69	0.186	0.038	51.8	1.8	<0.03	0.158	<0.3	3.9	<0.2	3.18	<0.01	<2	0.189	<0.2	<0.03	<0.01		<0.03	11	
FP01	21-Sep-06	<0.010	<0.010	<0.010	<0.030	<0.050	0.126	237	2.38	<0.030	0.233	<0.30	8.2	<0.20	5.9	<0.010	63.7	2.32	<0.20	<0.10	<0.010		<0.030	47.3	
FP13	21-Sep-06	<0.010	0.755	0.172	184	0.85	0.096	259	42.6	<0.030	0.771	<0.30	2.5	<0.20	2.17	<0.010	5.5	0.935	<0.20	0.112	<0.010		<0.070	353	
FP14	21-Sep-06	<0.010	0.011	<0.010	<0.030	<0.050	0.036	43	0.848	<0.030	<0.050	<0.30	2.7	<0.20	1.08	<0.010	6.4	1.47	<0.20	<0.030	<0.010		<0.030	10.7	
FP15	21-Sep-06	<0.010	<0.010	<0.010	0.088	<0.050	0.018	36.8	0.0169	<0.030	<0.050	<0.30	<2.0	<0.20	2.44	<0.010	5.3	0.279	<0.20	<0.030	<0.010		<0.030	0.738	
FP06	21-Sep-06	<0.010	<0.010	<0.010	<0.030	<0.050	0.025	18.4	<0.0050	<0.030	<0.050	<0.30	2.2	<0.20	5.23	<0.010	3.5	0.5	<0.20	<0.030	<0.010		<0.030	<0.0050	
FP16	21-Sep-06	<0.010	0.028	0.112	<0.030	<0.050	0.024	52.4	1.7	<0.030	0.141	<0.30	<2.0	<0.20	9.78	<0.010	3.6	0.271	<0.20	<0.030	<0.010		<0.030	40.5	
FP09	21-Sep-06	<0.010	<0.010	0.018	<0.030	<0.050	0.011	11.8	0.112	<0.030	<0.050	<0.30	<2.0	<0.20	6.43	<0.010	2.5	0.124	<0.20	<0.030	<0.010		<0.030	5.61	
FP10	21-Sep-06	<0.010	<0.010	<0.010	<0.030	<0.050	0.027	87.5	0.0581	<0.030	<0.050	<0.30	3.3	<0.20	4.58	<0.010	6.1	0.442	<0.20	<0.030	<0.010		<0.030	1.55	
FP11	21-Sep-06	<0.010	0.397	<0.010	231	0.258	0.109	138	17.4	<0.030	0.297	<0.30	4	<0.20	4.93	<0.010	12.9	1.91	<0.20	0.053	<0.010		<0.060	284	
FP12	21-Sep-06	<0.010	<0.010	<0.010	<0.030	<0.050	0.026	27.9	<0.0050	<0.030	<0.050	<0.30	2.2	<0.20	1.34	<0.010	4.4	1.28	<0.20	<0.030	<0.010		<0.030	<0.0050	
FP-05	28-May-07	<0.0002	0.0003	0.0005	0.05	<0.0002	0.049	29.5	0.019	0.0007	0.001	<0.03	2.89	0.0005	2.05	<0.00005	16.8	1.89	<0.00002	<0.0002	<0.0002		0.0031	0.67	
FP-07	28-May-07	0.001	0.34	1.43	130	1.22	0.052	157	21.8	0.0019	0.37	<0.15	1.2	0.004	3.8	0.0008	3.6	0.19	0.0096	<0.001	<0.001		0.031	358	
FP-10	28-May-07	<0.0002	0.0049	0.0021	<0.01	0.0007	0.053	129	0.34	0.0002	0.023	<0.03	5.16	0.0012	2.44	<0.00005	7.05	0.661	0.00021	<0.0002	<0.0002		0.0045	1.98	
FP-11	28-May-07	<0.0002	<0.0002	0.0006	<0.01	<0.0002	0.03	30	0.0046	0.0007	<0.0002	<0.03	2.62	0.0005	1.42	<0.00005	7.59	1.43	<0.00002	<0.0002	<0.0002		0.0032	0.037	
A25	28-May-07	<0.0002	<0.0002	0.0004	<0.01	<0.0002	0.013	19.8	<0.003	0.0007	<0.0002	<0.03	2.02	0.0006	1.9	<0.00005	4.93	0.711	<0.00002	<0.0002	<0.0002		0.002	<0.005	
FP-01	11-Sep-07	<0.005	0.021	0.004	<0.03	0.00125	0.128	244	6.64	<0.0005	0.269	<0.3	8.5	<0.01	6.3	<0.0001	54.5	2.78	<0.001	<0.001	<0.01		0.00743	63.8	
FP06	11-Sep-07	0.00172	0.00065	0.00231	0.706	0.00357	0.021	17	0.023	0.00176	0.00217	<0.3	2.5	<0.001	6.22	0.000012	3.8	0.404	<0.0001	<0.0001	0.024		0.0195	0.0118	
FP-09	11-Sep-07	<0.001	0.00374	0.0153	<0.03	0.00117	0.013	16.1	0.207	0.00059	0.0254	<0.3	<2	<0.002	7.34	<0.00002	3.2	0.144	<0.0002	<0.0002	<0.01		0.00175	8.74	
FP-10	11-Sep-07	<0.001	0.00387	0.00264	<0.03	0.00014	0.031	95	0.217	0.00012	0.0272	<0.3	4.2	<0.002	4.21	<0.00002	6.5	0.504	<0.0002	<0.0002	<0.01		0.00491	2.37	
FP12	11-Sep-07	<0.0005	0.00246	0.00306	<0.03	0.00113	0.04	34.4	0.0666	0.000484	0.00076	<0.3	3.8	<0.001	1.33	<0.00001	14.6	1.96	0.00036	<0.0001	<0.01		0.00241	0.942	
FP13	11-Sep-07	<0.1	1.11	5.02	386	1.62	<1	295	61.7	<0.01	2.8	<0.6	<4	<0.2	4.9	<0.002	5	0.672	<0.02	<0.02	<0.02		0.0384	705	
FP14	11-Sep-07	<0.0005	0.00418	0.0009	0.054	0.00151	0.033	38.9	0.304	0.000525	0.00557	<0.3	3.1	<0.001	1.48	<0.00001	6.8	1.79	0.00089	<0.0001	<0.01		0.00315	4.96	
FP15	11-Sep-07	<0.0005	0.00219	0.00392	0.031	0.00173	0.016	18.5	0.0653	0.000281	0.0161	<0.3	<2	<0.001	7.99	<0.00001	5	0.235	0.00011	<0.0001	<0.01		0.00213	3.64	
FP16	11-Sep-07	<0.005	0.09	0.438	0.176	0.162	<0.05	61.1	2.95	<0.0005	0.142	<0.3	<2	<0.01	9.97	<0.0001	4.2	0.245	<0.001	<0.001	<0.01		0.00311	49.6	
FP17	11-Sep-07	<0.25	2.58	23.5	771	0.93	<2.5	345	97.4	<0.025	2.75	0.72	<4	<0.5	27.8	<0.005	6.7	0.768	<0.05	<0.05	<0.02		0.137	1860	
A25	13-Sep-07	<0.0005	<0.0001	0.00036	<0.03	0.000095	0.01	16.3	<0.00015	0.000649	<0.0005	<0.3	2.2	<0.001	2.66	<0.00001	3.2	0.578	<0.0001	<0.0001	<0.01		0.00155	0.0017	
FP-04	13-Sep-07	<0.0005	<0.0001	0.00017	<0.03	0.000104	0.021	33.7	<0.0002	0.00139	<0.0005	<0.3	4.5	<0.001	1.41	<0.00001	7.7	1.58	<0.0001	<0.0001	<0.01		0.00443	0.0013	
FP-05	13-Sep-07	<0.0005	0.00034	0.00019	0.066	0.000145	0.036	30	0.0236	0.000612	0.00085	<0.3	3.3	<0.001	1.57	<0.00001	8.9	1.85	<0.0001	<0.0001	<0.01		0.00266	0.558	
FP-11	13-Sep-07	<0.05	0.495	<0.01	321	0.287	<0.5	168	23.5	<0.005	0.367	<0.3	5.2	<0.1	5.88	<0.001	13.5	2.66	<0.01	<0.01	0.014		0.0046	449	
FP-16	13-Sep-07	<0.0005	<0.0001	0.00049	<0.03	0.000071	0.03	32.9	0.00017	0.000816	<0.0005	<0.3	3	<0.001	1.59	<0.00001	5.2	1.58	<0.0001	<0.0001	<0.01		0.00371	0.0021	
FP10	14-May-08	0.0026	0.287	1.38	9.85	0.291	0.086	124	10.3	<0.0003	0.388		3.82	0.0004	7.82	0.00006	3.18	0.569	0.00119	<0.00005	<0.003	0.0151	<0.001	121	<0.0005
FP05	15-May-08	<0.0001	0.00162	0.0001	0.178	0.000214	0.038	27.6	0.0977	0.00059	0.00211		3.29	0.0001	1.65	<0.000005	9.85	1.84	0.000024	<0.00001	<0.0005	0.00296	<0.0002	1.26	<0.0001
FP18	15-May-08	<0.0001	1.2E-05	0.00007	0.009	0.000446	0.03	33.3	0.00055	0.00078	0.00006		3.21	0.0002	1.42	<0.000005	5.44	1.66	0.000028	<0.00001	<0.0005	0.00447	<0.0002	0.0018	<0.0001
A25	13-Sep-08	<0.0001	1.8E-05	0.00038	0.003	0.000337	0.01	14.1	0.00061	0.00084	0.00009		2.05	0.0001	2.52	<0.000005	2.57	0.494	0.000024	<0.00001	<0.0005	0.00133	<0.0002	0.0042	<0.0001
FP01	16-Sep-08	<0.0005	0.138	0.0021	0.039	0.0008	0.192	414	28.5	<0.0003	0.698		10.9	0.0004	8.08	0.00006	65.4	2.93	0.00005	<0.00005	0.004	0.00524	<0.001	176	<0.0005
FP02	16-Sep-08	<0.0005	0.0509	0.005	28.2	0.0034	0.06	76.1	2.8	<0.0003	0.0152		5.44	0.0004	0.699	0.00038	15	1.67	0.00423	<0.00005	0.004	0.00048	<0.001	49.7	<0.0005
FP06	16-Sep-08	<0.0001	2.9E-05	0.00122	0.002	0.000047	0.031	21.6	0.00048	0.0018	0.0014		2.67	0.0007	5.18	0.00001	4.15	0.561	0.000036	<0.00001	<0.0005	0.0191	<0.0002	0.0034	<0.0001
FP09	16-Sep-08	0.0005	0.0243	0.103	0.016	0.0197	0.017	20.2	0.749	0.0006	0.0453		0.98	0.0004	7.95	0.00019	2.8	0.141	0.00007	<0.00005	<0.003	0.00043	<0.001	17.8	<0.0005
FP10	16-Sep-08	0.0001	0.00585	0.00196	0.093	0.000195	0.057	162	0.214	0.00013	0.0496		5.92	0.0006	5.41	0.00001	10.6	0.739	0.000156	<0.00001	<0.0005	0.00748	<0.0002	2.75	<0.0001
FP12	16-Sep-08	0.0001	0.0001	0.00119	0.024	0.00162	0.014	16.8	0.00213	0.0008	0.00012		2.3	0.0002	2.01	0.000018	4.36	0.783	0.000034	0.00005	<0.0005	0.00164	<0.0002	0.0184	<0.0001
FP13	16-Sep-08	0.006	0.576	1.8	118	0.878	0.064	194	30.9	<0.0003	0.551		1.71	0.0005	3.27	0.00046	4.6	0.506	0.00809	<0.00005	<0.003	0.0223	<0.001	408	<0.0005
FP14	16-Sep-08	<0.002	0.288	0.148	7.98	0.0019	0.081	129	18	<0.001	0.255		2.9	0.0009	<2	0.0004	6.6	1.75	0.00465	<0.0002	<0.01	0.00114	<0.004	284	<0.002
FP15	16-Sep-08	<0.0001	0.00764	0.023	0.212	0.0227	0.022	31.5	0.195	0.00008	0.0175		2.1	0.0002	4.9	0.000023	5.52	0.289	0.00131	0.00005	<0.0005	0.00034	<0.0002	3.47	<0.0001
FP19	16-Sep-08	<0.0001	0.00048	0.00051	0.003	0.000406	0.034	18.2	0.00165	0.00583	0.00248		2.38	0.002	4.97	<0.000005	235	2.2	0.000018	<0.00001	<0.0005	0.00986	0.001	0.0545	<0.0001

		Field Parameters					Physical Tests		Dissolved Anions				Dissolved Metals																																
Sample ID	Date Sampled	pH	Cond	Temp	ORP	Flow	Cond	pH	Acidity (to pH 8.3)	Alkalinity-Total	Cl	SO4	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Mo	Ni	P	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	Zr
			uS/cm	°C	mV	L/min	uS/cm		mg CaCO3/L	mg CaCO3/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			mg/L	mg/L
03-GP01	6/9/2003	8.05	1928	12.7	635	2	1850	7.8	37	373	<0.5	989	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	<0.01	239	<0.01	0.01	<0.01	<0.03	<0.05	0.02	167	0.015	<0.03	0.51	<0.3	3	<0.2	2.37	<0.01	6	1.14	<0.2	<0.03	<0.01		<0.03	6.69	
03-GP02	6/9/2003	7.28	1456	13.7	622	Trace	1550	7.51	51	189	<0.5	932	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	<0.01	197	<0.01	0.1	<0.01	<0.03	<0.05	0.02	112	0.224	<0.03	1.03	<0.3	3	<0.2	3.46	<0.01	8	1.41	<0.2	<0.03	<0.01		<0.03	14.3	
03-GP04	6/9/2003	8.21	1896	15.4	617	1	1780	8.08	20	266	<0.5	1050	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	<0.01	268	<0.01	0.02	<0.01	<0.03	<0.05	0.03	144	0.013	0.06	0.17	<0.3	5	<0.2	1.94	<0.01	6	1.78	<0.2	<0.03	<0.01		<0.03	0.073	
03-GP05	6/9/2003	7.88	1289	3.7	586	3	1240	7.65	36	223	<0.5	627	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	<0.01	158	<0.01	0.02	<0.01	<0.03	<0.05	0.03	96.9	<0.005	<0.03	0.07	<0.3	3	<0.2	1.78	<0.01	5	1.47	<0.2	<0.03	<0.01		<0.03	0.03	
03-GP06	6/9/2003	8.36	1755	11.2	462	Trace	1660	8.13	11	264	2.7	995	<0.2	<0.2	<0.2	0.01	<0.005	<0.2	<0.1	<0.01	90	<0.01	<0.01	<0.01	<0.03	<0.05	0.05	235	<0.005	<0.03	<0.05	<0.3	4	<0.2	1.21	<0.01	5	0.403	<0.2	<0.03	<0.01		<0.03	<0.005	
04-GP01	5/31/2004	7.81	946	12	349	Trace	935	8.29	<1.0	139	0.78	359	<0.2	<0.2	<0.2	0.014	<0.0050	<0.2	<0.1	<0.01	94.9	<0.01	<0.01	<0.01	<0.03	<0.05	0.023	70.9	<0.0050	<0.03	0.092	<0.3	2.9	<0.2	0.949	<0.01	<2	0.465	<0.2	<0.03	<0.01		<0.03	0.0188	
04-GP02	5/31/2004	7.96	1174	8.6	360	15	1190	8.29	<1.0	210	2.3	456	<0.2	<0.2	<0.2	0.011	<0.0050	<0.2	<0.1	<0.01	117	<0.01	<0.01	<0.01	<0.03	<0.05	0.017	97.1	<0.0050	<0.03	0.108	<0.3	3.9	<0.2	0.879	<0.01	3	0.498	<0.2	<0.03	<0.01		<0.03	0.0238	
04-GP03	5/31/2004	8	764	5.5	337	15	757	8.31	<1.0	187	0.86	225	<0.2	<0.2	<0.2	0.017	<0.0050	<0.2	<0.1	<0.01	64.8	<0.01	<0.01	<0.01	<0.03	<0.05	0.02	59.6	<0.0050	<0.03	0.08	<0.3	3.6	<0.2	1.11	<0.01	<2	0.289	<0.2	<0.03	<0.01		<0.03	<0.005	
04-GP04	5/31/2004	7.95	341	4.3	354	60	346	8.28	<1.0	145	<0.50	34.7	<0.2	<0.2	<0.2	0.109	<0.0050	<0.2	<0.1	<0.01	46	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	9.78	<0.0050	<0.03	<0.05	<0.3	<2	<0.2	5.72	<0.01	6.9	0.314	<0.2	<0.03	<0.01		<0.03	<0.005	
04-GP05	5/31/2004	7.87	1097	17.4	ecorded	Trace	1190	7.87	3.3	99.2	0.76	590	<0.2	<0.2	<0.2	0.342	<0.0050	<0.2	<0.1	<0.01	185	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	34.8	0.0252	<0.03	<0.05	<0.3	5.2	<0.2	1.4	<0.01	14.7	0.745	<0.2	<0.03	<0.01		<0.03	<0.005	
04-GP06	6/1/2004	7.41	1744	12.4	296	0.1	1770	7.96	2.3	297	1.5	853	<0.2	<0.2	<0.2	0.011	<0.0050	<0.2	<0.1	<0.01	103	<0.01	<0.01	<0.01	<0.03	<0.05	0.036	206	0.0149	<0.03	0.056	<0.3	3.8	<0.2	1.33	<0.01	4.1	0.516	<0.2	<0.03	<0.01		<0.03	<0.005	
04-GP07	6/1/2004	8.09	1059	8	310	5	1090	8.14	<1.0	245	0.84	403	<0.2	<0.2	<0.2	0.024	<0.0050	<0.2	<0.1	<0.01	83.9	<0.01	<0.01	<0.01	<0.03	<0.05	0.03	98.2	0.0083	<0.03	<0.05	<0.3	2.5	<0.2	0.887	<0.01	<2	0.418	<0.2	<0.03	<0.01		<0.03	<0.005	
04-GP08	6/1/2004	8.34	1206	7.9	294	Trace	1280	8.04	3.7	268	0.61	513	<0.2	<0.2	<0.2	0.015	<0.0050	<0.2	<0.1	<0.01	144	<0.01	0.011	<0.01	<0.03	<0.05	0.022	89.3	0.0168	<0.03	0.052	<0.3	2.9	<0.2	1.58	<0.01	4	1.37	<0.2	<0.03	<0.01		<0.03	0.0133	
04-GP10	6/1/2004	8.45	1518	7.3	ecorded	9	1520	7.92	5.8	273	<0.50	716	<0.2	<0.2	<0.2	0.011	<0.0050	<0.2	<0.1	<0.01	173	<0.01	0.022	<0.01	<0.03	<0.05	<0.01	109	0.0216	<0.03	0.418	<0.3	2.7	<0.2	1.44	<0.01	2.7	0.805	<0.2	<0.03	<0.01		<0.03	7.5	
04-GP11	6/1/2004	7.5	1442	10.8	324	0.25	1480	7.61	13.4	217	<0.50	733	<0.2	<0.2	<0.2	0.014	<0.0050	<0.2	<0.1	<0.01	176	<0.01	0.101	<0.01	<0.03	<0.05	0.022	99.6	0.158	<0.03	1.03	<0.3	3	<0.2	3.06	<0.01	5.8	1.25	<0.2	<0.03	<0.01		<0.03	12	
04-GP12	01-Jun-04	7.94	1709	14.6	306	0.1	1680	8.05	4	280	0.63	849	<0.2	<0.2	<0.2	0.018	<0.0050	<0.2	<0.1	<0.01	216	<0.01	0.018	<0.01	<0.03	<0.05	0.019	121	0.0102	0.046	0.13	<0.3	4.8	<0.2	1.74	<0.01	4.8	1.45	<0.2	<0.03	<0.01		<0.03	0.0326	
04-GP13	01-Jun-04	8.28	789	12.8	306	0	775	8.29	<1.0	91.8	0.74	350	<0.2	<0.2	<0.2	0.043	<0.0050	<0.2	<0.1	<0.01	103	<0.01	<0.01	<0.01	<0.03	<0.05	0.011	34.3	0.558	<0.03	<0.05	<0.3	2.9	<0.2	0.726	<0.01	8.3	0.35	<0.2	<0.03	<0.01		<0.03	0.0307	
04-GP14	01-Jun-04	6.78	1371	3.9	259	15	1340	6.67	173	28.5	1.18	782	<0.2	<0.2	0.34	0.03	<0.0050	<0.2	<0.1	0.098	113	<0.01	0.529	1.73	72	0.074	0.025	66.9	17.4	<0.03	0.65	<0.3	<2	<0.2	5.57	<0.01	16	0.552	<0.2	<0.03	<0.01		<0.03	97.5	
05-SF-GP04	19-May-05	7.82	1651	5.4	407		1660	8.04	6.8	251	<0.5	802	<0.2	<0.2	<0.2	0.012	<0.005	<0.2	<0.1	<0.1	190	<0.01	<0.01	<0.01	<0.03	<0.05	0.015	149	0.0154	<0.03	0.191	<0.3	3.3	<0.2	1.08	<0.01	3.7	0.775	<0.2	<0.03	<0.01		<0.03	6.19	
05-SF-GP08	19-May-05	7.88	1051	5.4	382		980	8.17	2.2	180	<0.5	385	<0.2	<0.2	<0.2	0.012	<0.005	<0.2	<0.1	<0.1	121	<0.01	<0.01	<0.01	<0.03	<0.05	0.017	71.6	<0.01	<0.03	<0.05	<0.3	2.4	<0.2	1.06	<0.01	3.6	0.902	<0.2	<0.03	<0.01		<0.03	0.0066	
05-SF-GP09	19-May-05	8.19	935	12.6	370		926	8.3	<1	207	<0.5	333	<0.2	<0.2	<0.2	0.014	<0.005	<0.2	<0.1	<0.1	88.2	<0.01	<0.01	<0.01	<0.03	<0.05	0.018	83.4	<0.01	<0.03	<0.05	<0.3	2.5	<0.2	0.879	<0.01	2.5	0.603	<0.2	<0.03	<0.01		<0.03	<0.005	
05-SF-GP10	19-May-05	8.16	1695	11.9	381		1720	8.28	<1	285	<5	865	<0.2	<0.2	<0.2	0.013	<0.005	<0.2	<0.1	<0.1	134	<0.01	<0.01	<0.01	<0.03	<0.05	0.037	204	<0.01	<0.03	0.058	<0.3	4.5	<0.2	1.28	<0.01	4.6	0.664	<0.2	<0.03	<0.01		<0.03	0.0059	
05-S-GP01	19-May-05	8.19	1473	4.1	359		1430	8.16	2.8	259	1.23	601	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	<0.1	114	<0.01	0.031	<0.01	<0.03	<0.05	0.042	160	<0.01	<0.03	0.129	<0.3	4.2	<0.2	1.74	<0.01	5.2	0.862	<0.2	<0.03	<0.01		<0.03	0.068	
05-S-GP02	19-May-05	8.05	660	5.5	404		649	7.9	3.4	76.6	<0.5	276	<0.2	<0.2	<0.2	0.024	<0.005	<0.2	<0.1	<0.1	78.9	<0.01	0.012	<0.01	0.148	<0.05	<0.01	40.4	2.18	<0.03	0.069	<0.3	2.1	<0.2	3.04	<0.01	4.5	0.281	<0.2	<0.03	<0.01		<0.03	0.204	
05-S-GP03	19-May-05	7.48	1080	4.7	413		1070	7.7	8.2	144	<0.5	484	<0.2	<0.2	<0.2	0.014	<0.005	<0.2	<0.1	<0.1	131	<0.01	0.014	<0.01	<0.03	<0.05	0.011	80.9	0.0656	<0.03	0.257	<0.3	2.9	<0.2	1.21	<0.01	3.4	0.555	<0.2	<0.03	<0.01		<0.03	5.74	
05-S-GP05	19-May-05	7.87	1740	7.6	383		1740	8.16	3.7	208	<5	917	<0.2	<0.2	<0.2	0.014	<0.005	<0.2	<0.1	<0.1	215	<0.01	<0.01	<0.01	<0.03	<0.05	0.026	151	<0.01	<0.03	<0.05	<0.3	4.8	<0.2	0.92	<0.01	6.4	1.27	<0.2	<0.03	<0.01		<0.03	0.0561	
05-S-GP09	19-May-05	7.87	1014	8.5	386		1040	8.2	1.8	238	0.85	378	<0.2	<0.2	<0.2	0.017	<0.005	<0.2	<0.1	<0.1	80	<0.01	<0.01	<0.01	<0.03	<0.05	0.022	106	<0.01	<0.03	<0.05	<0.3	3	<0.2	0.68	<0.01	2.9	0.398	<0.2	<0.03	<0.01		<0.03	<0.005	
05-S-GP11	19-May-05	6.81	1664	10.9	244		1590	6.87	111	76.3	<0.5	907	<0.2	<0.2	<0.2	0.026	<0.005	<0.2	<0.1	0.042	185	<0.01	0.38	0.017	39.8	<0.05	0.025	95.8	14.2	<0.03	0.438	<0.3	2.5	<0.2	4.64	<0.01	18.9	0.884	<0.2	<0.03	<0.01		<0.03	68	
05-S-GP12	19-May-05	8.13	603	12.3	322		598	7.81	3.5	79.8	<0.5	241	<0.2	<0.2	<0.2	0.04	<0.005	<0.2	<0.1	<0.1	77.5	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	22	0.306	<0.03	<0.05	<0.3	<2	<0.2	0.415	<0.01	5	0.229	<0.2	<0.03	<0.01		<0.03	0.0307	
05-S-GP13	19-May-05	7.8	1938	13.8	378		1920	7.91	5.2	122	<5	1190	<0.2	<0.2	<0.2	0.024	<0.005	<0.2	<0.1	<0.1	310	<0.01	0.02	<0.01	0.106	<0.05	0.012	115	0.242	<0.03	0.119	<0.3	7.7	<0.2	2.52	<0.01	12.8	0.72	<0.2	<0.03	<0.01		<0.03	2.36	
05-F-GP01	14-Sep-05	7.03	823	2.9	265	12	766	7.77	16.4	101	<0.50	322	<0.2	<0.2	<0.2	0.017	<0.0050	<0.2	<0.1	<0.1	94.6	<0.01	0.105	<0.010	10.8	<0.05	0.016	42.7	2.73	<0.03	0.104	<0.3	<2	<0.2	3.92	<0.01	21.1	0.528	<0.2	<0.03	<0.01		<0.03	14.4	
05-F-GP02	14-Sep-05	8.28	788	5.9	383	20	754	8.27	1	208	<0.50	239	<0.2	<0.2	<0.2	0.074	<0.0050	<0.2	<0.1	<0.1	129	<0.01	<0.010	<0.010	<0.03	<0.05	<0.01	29.8	0.294	<0.03	<0.05	<0.3	<2	<0.2	5.29	<0.01	15.7	0.565	<0.2	<0.03	<0.01		<0.03	<0.005	
05-F-GP03	14-Sep-05	8.21	317	3.6	349	180	312	8.31	<1.0	142	<0.50	36	<0.2	<0.2	<0.2	0.089	<0.0050	<0.2	<0.1	<0.1	46.1	<0.01	<0.010	<0.010	<0.03	<0.05	<0.01	11.9	0.013	<0.03	<0.05	<0.3	<2	<0.2	5.67	<0.01	6.9	0.313	<0.2	<0.03	<0.01		<0.03	<0.005	
05-F-GP06	14-Sep-05	7.65	1440	7	353	Trace	1360	7.83	22.2	206	<2.5	670	<0.2	<0.2	<0.2	0.014	<0.0050	<0.2	<0.1	<0.1	144	<0.01	0.045	<0.010	<0.03	<0.05	0.018	92.6	0.253	<0.03	0.353	<0.3	<2	<0.2	3.13	<0.01	6	0.998	<0.2	<0.03	<0.01		0.031	17.1	
05-F-GP07	14-Sep-05	7.84	1389	7.1	404	1.8	1360	8.04	7.2	370	<2.5	487	<0.2	<0.2	<0.2	0.017	<0.0050	<0.2	<0.1	<0.1	146	<0.01	<0.010	<0.010	<0.03	<0.05	0.025	97.7	<0.0050	<0.03	<0.05	<0.3	<2	<0.2	1.46	0.012	3.9	1.19	<0.2	<0.03	<0.01		<0.03	<0.005	
05-F-GP11	14-Sep-05	8.28	963	12.5	342	Ponded	936	8.18	2	103	0.53	423	<0.2	<0.2	<0.2	0.04	<0.0050	<0.2	<0.1	<0.1	151	<0.01	<0.010	<0.010	<0.03	<0.05	<0.01	52.9	0.0832	<0.03	<0.05	<0.3	3.1	<0.2	0.155	<0.01	14.3	0.524	<0.2	<0.03	<0.01		<0.03	<0.005	
05-SF-GP04	14-Sep-05	8.08	1953	6.8	351	Trace	1890	8.14	6.7	419	<5.0	906	<0.2	<0.2	<0.2	0.013	<0.0050	<0.2	<0.1	<0.1	236	<0.01	0.012	<0.010	<0.03	<0.05	0.02	158	0.008	<0.03	0.37	<0.3	2.8	<0.2	2.3	<0.01	6.1	1.09	<0.2	<0.03	<0.01		<0.05	5.74	
05-SF-GP08	14-Sep-05	7.3	1511	8.1	352	Trace	1570	7.97	7	473	<2.5	551	<0.2	<0.2	<0.2	0.015	<0.0050	<0.2	<0.1	<0.1	119	<0.01	<0.010	<0.010	<0.03	<0.05	0.04	169	<0.0050	<0.03	<0.05	<0.3	2.8	<0.2	1.67	<0.01	4.3	0.741	<0.2	<0.03	<0.01		<0.04	<0.005	
05-SF-GP09	14-Sep-05	7.45	1554	12.4	328	0.5	1460	8.16	4.4	467	<2.5	467	<0.2	<0.2	<0.2	0.02	<0.0050	<0.2	<0.1	<0.1	108	<0.01	<0.010	<0.010	<0.03	<0.05	0.034	152	<0.0050	<0.03	<0.05	<0.3	3.2	<0.2	1.1	<0.01	3	0.525	<0.2	<0.03	<0.01		<0.03	0.0074	
05-SF-GP10	14-Sep-05	8.15	1839	9.2	339	Trace	1780	8.16	4.9	458	<5.0	765	<0.2	<0.2	<0.2	0.014	<0.0050	<0.2	<0.1	<0.1	170	<0.01	0.01	<0.010	<0.03	<0.05	0.05	198	<0.0050	<0.03	0.094	<0.3	3.7	<0.2	2.45	<0.01	5.2	0.904	<0.2	<0.03	<0.01		<0.04	0.0134	
GP 04	27-May-06	7.89	1748	3	331	16	1780	8.06	8.7	283	<0.5	840	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	<0.01	208	<0.01	0.011	<0.01	<0.03	<0.05	0.014	156	0.0274	<0.03	0.277	<0.3	3.0	<0.2	1.34	<0.01	3.7	0.803	<0.2	<0.03	<0.01		<0.03	7.41	
GP 06	27-May-06	7.73	1700	6.9	329	2.5	1750	7.77	25.8	201	<0.5	888	<0.2	<0.2	<0.2	0.012	<0.005	<0.2	<0.1	<0.01	210	<0.01	0.049	<0.01	<0.03	<0.05	0.019	141	0.157	<0.03	0.429	<0.3	3.8	<0.2	2.00	<0.01	5.9	1.20	<0.2	<0.03	<0.01		<0.03	12.1	
GP 07	27-May-06	8.25	1103	3.9	309	1	1110	8.28	1.1	208	<0.5	440	<0.2	<0.2	<0.2	0.013	<0.005	<0.2	<0.1	<0.01	139	<0.01	<0.01	<0.01	<0.03	<0.05	0.016	81.7	<0.005	<0.03	<0.05	<0.3	2.4	<0.2	1.17	<0.01	3.7	0.976	<0.2	<0.03	<0.01		<0.03	0.0091	
GP 08	27-May-06	8.04	1267	5	299	trace	1290	8.26	1.7	400	<0.5	405	<0.2	<0.2	<0.2	0.013	<0.005	<0.2	<0.1	<0.01	92.5	<0.01	<0.01	<0.01	<0.03	<0.05	0.033	146	<0.005	<0.03	<0.05	<0.3	2.7	<0.2	1.36	<0.01	3.9	0.662	<0.2	<0.03	<0.01		<0.03	0.0082	
GP 09	27-May-06	8.05	1112	5.9	294		1170	8.25	2.1	266	0.94	434	<0.2	<0.2	<0.2	0.015	<0.005	<0.2	<0.1	<0.01	88.5	<0.01	<0.01	<0.01	<0.03	<0.05	0.023	124	0.0060	<0.03	<0.05	<0.3	3.0	<0.2	0.899	<0.01	2.8	0.421	<0.2	<0.03	<0.01		<0.03	0.0156	
GP 10	27-May-06	8.36	2290	8.3	401	trace	2380	8.24	2.7	254	<2.5	1350	<0.2	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	<0.01	92.5	<0.01	<0.01	<0.01	<0.03	<0.05	0.056	349	<0.005	<0.03	<0.05	<0.3	5.9	<0.2	1.27	<0.01	6.5	0.296	<0.2	<0.03	<0.01		<0.03	0.0108	
GP 11	27-May-06	8.01	781	8.8	309	0	771	7.56	12.6	101	<0.5	318	<0.2	<0.2	<0.2	0.029	<0.005	<0.2	<0.1	<0.01	106	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	38.8	0.767	<0.03	<0.05	<0.3	2.6	<0.2	0.868	<0.01	9.9	0.329	<0.2	<0.03	<0.01		<0.03	0.0297	
GP 13[1]	27-May-06	7.64	2290	4.4	405	trace	2440	7.72	27.1	251	<2.5	1410	<0.2	<0.2	<0.2	0.013	<0.005	<0.2	<0.1	<0.01	212	<0.01	0.012	<0.01	<0.03	<0.05	0.024	280	0.464	<0.03	0.252	<0.3	3.2	<0.2	1.24	<0.01	7.5	0.695	<0.2	<0.03	<0.01		<0.03	11.6	
GP 14[2]	27-May-06	7.07	717	5.2	337	3.8	1100	7.14	40.8	111	<0.5	514	<0.2	<0.2	<0.2	0.023	<0.005	<0.2	<0.1	<0.01	135	<0.01	0.111	<0.01	13.5	<0.05	0.014	61.8	5.39	<0.03	0.099	<0.3	<2	<0.2	4.23	<0.01	18.4	0.748	<0.2	<0.03	<0.01		<0.03	17.1	
GP-01	23-Sep-06	6.95	1040	3.8		6.1	947	7.47	30.7	76.0	<0.50	430	<0.20	<0.20	<0.20	0.012	<0.0050	<0.20	<0.10	0.013	94.2	<0.010	0.138	<0.010	28.5	<0.050	0.014	40.6	4.27	<0.030	0.139	<0.30	<2.0	<0.20	3.50	<0.010	14.2	0.439	<0.20	<0.030	<0.010		<0.030	23.7	
GP-02	23-Sep-06	8.59	736	3.7		30	709	8.32	<1.0	198	<0.50	194	<0.20	<0.20	<0.20	0.073	<0.0050	<0.20	<0.10	<0.010	105	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	23.6	0.116	<0.030	<0.050	<0.30	<2.0	<0.20	5.24	<0.010	10.2	0.456	<0.20	<0.030	<0.010		<0.030	<0.0050	
GP-03	23-Sep-06	8.52	315	5.4		360	300	8.28	<1.0	136	<0.50	32.2	<0.20	<0.20	<0.20	0.083	<0.0050	<0.20	<0.10	<0.010	37.3	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	9.41	0.0100	<0.030	<0.050	<0.30	<2.0	<0.20	4.85	<0.010	4.9	0.237	<0.20	<0.030	<0.010		<0.030	<0.0050	
GP-04	23-Sep-06	8.14	2030	8.3		trace	1960	8.17	7.1	415	<0.50	867	<0.20	<0.20	<0.20	0.012	<0.0050	<0.20	<0.10	<0.010	246	<0.010	0.011	<0.010	<0.030	<0.050	0.023	179	0.0089	<0.030	0.331	<0.30	3.0	<0.20	2.03	<0.010	5.7	1.02	<0.20	0.067	<0.010		<0.030	6.18	
GP-09	23-Sep-06	8.75	1925	7.6		trace	1860	8.22	4.3	350	2.77	832	<0.20	<0.20	<0.20	0.015	<0.0050	<0.20	<0.10	<0.010	150	<0.010	<0.010	<0.010	<0.030	<0.050	0.050	232	<0.0050	<0.030	0.063	<0.30	4.1	<0.20	2.24	<0.010	5.2	0.831	<0.20	0.086	<0.010		<0.030	0.017	
GP-10	23-Sep-06	8.06	1899	5.8		trace	1840	8.17	6.8	499	1.54	710	<0.20	<0.20	<0.20	0.012	<0.0050	<0.20	<0.10	<0.010	164	<0.010	<0.010	<0.010	<0.030	<0.050	0.042	213	<0.0050	<0.030	0.073	<0.30	3.1	<0.20	2.14	<0.010	4.0	0.777	<0.20	0.076	<0.010		<0.030	0.0146	
GP-11	23-Sep-06	8.52	1182	4.6		0	1140	8.06	4.5	110	0.59	537	<0.20	<0.20	<0.20	0.032	<0.0050	<0.20	<0.10	<0.010	159	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	067	0.0303	<0.030	<0.050	<0.30	3.3	<0.20	0.18	<0.010	16.6	0.530	<0.20	<0.030	<0.010		<0.030	0.0218	
GP-04	27-May-07	7.39	239	6.8	36	2	2430	7.83	17.0	353	<2	1370	0.091	0.034	0.017	0.011	<0.001	<0.001	<0.05	0.0063	269	<0.001	0.021	0.008	0.64	0.035	0.035	226	0.043	0.0088	0.380	<0.15	3.3	0.003	2.20	<0.00025	6.9	1.010	0.0042	<0.001	<0.001		0.033	11.7	
GP-07	27-May-07	7.81	1171	7.2	341	1	1120	8.04	4.0	223	<1	470	0.003	<0.0002	0.0009	0.012	<0.0002	<0.0002	<0.01	0.00013	138	<0.0002	0.0012	0.0005	<0.01	<0.0002	0.025	091	<0.003	0.0017	0.015	<0.03	2.2	0.0013	1.57	<0.00005	4.3	1.130	0.0002	<0.0002	<0.0002		0.015	0.011	
GP-09	27-May-07	8.6	1445	1.3	218	trickle	1360	8.15	4.0	326	<1	574	0.006	0.0005	0.0009	0.032	<0.0002	<0.0002	<0.01	0.0001	104	<0.0002	0.0011	0.0014	0.04	0.0005	0.044	171	0.012	0.0018	0.019	<0.03	4.0	0.0014	0.76	<0.00005	3.5	0.506	0.00019	<0.0002	<0.0002		0.023	0.065	
GP-01	29-May-07	7.02	1250	7.4	160	1	1130	7.05	64.0	105	0.52	614	<0.001	0.0039	0.078	0.021	<0.0002	<0.0002	<0.01	0.00852	147	<0.0002	0.155	0.0042	12	<0.0002	0.018	076	9.99	0.002	0.133	<0.03	2.0	0.001	4.51	0.00007	15.9	0.839	0.002	<0.0002	<0.0002		0.0027	35.1	
GP-02	29-May-07	8.54	425	7.7	344	200	0548	7.94	2.0	116	0.60	175	0.001	0.0011	0.0014	0.026	<0.0002	<0.0002	<0.01	0.00002	089	<0.0002	<0.0002	0.0013	<0.01	<0.0002	0.002	023	0.0091	0.0026	0.001	<0.03	3.6	0.003	2.14	<0.00005	7.1	0.392	<0.00002	<0.0002	<0.0002		0.041	0.01	
GP-03	29-May-07	8.41	343	8.6	337	250	0286	8.21	<0.5	148	<1	036	<0.001	<0.0002	0.0017	0.097	<0.0002	<0.0002	<0.01	0.00003	051	<0.0002	<0.0002	0.0004	<0.01	<0.0002	0.003	012	0.0095	0.0014	<0.0002	<0.03	1.1	0.0043	6.00	<0.00005	6.5	0.313	<0.00002	<0.0002	<0.0002		0.011	0.028	
GP-01	11-Sep-07	8.26	890	6.2	36	4.5	0861	7.18	53.8	050	<0.5	400	<0.005	0.00525	0.00843	0.016	<0.0025	<0.0025	<0.05	0.0125	093	<0.0025	0.132	0.00595	9.08	<0.00025	<0.025	046	4.27	0.00086	0.130	<0.3	<2	<0.005	3.27	0.00006	17.8	0.506	0.00322	<0.0005	<0.01		0.00076	27.3	
GP-02	11-Sep-07	8.55	786	7.8	184	20	0779	8.28	<1	193	0.51	235	0.0028	0.00054	0.0228	0.079	<0.001	<0.001	<0.02	<0.0001	127	<0.001	<0.0002	0.00116	<0.03	0.00021	<0.01	033	0.126	0.0026	0.001	<0.3	2.2	<0.002	5.92	<0.00002	12.4	0.612	<0.0002	<0.0002	<0.01		0.0174	0.0144	
GP-03	11-Sep-07	7.72	350	10.1	193	200	0334	8.33	<1	143	<0.5	044	0.0023	0.00018	0.00153	0.086	<0.0005	<0.0005	<0.01	<0.00005	052	<0.0005	<0.0001	0.00066	<0.03	0.000368	<0.005	012	0.0123	0.00157	<0.0005	<0.3	<2	0.0048	5.56	<0.00001	7.1	0.299	<0.0001	<0.0001	<0.01		0.0104	0.0074	
GP-07	11-Sep-07	8.72	1275	11.5	157	trickle	1250	8.26	1.0	255	<0.5	501	<0.005	<0.0005	0.00093	0.015	<0.0025	<0.0025	<0.05	<0.00025	145	<0.0025	0.00087	0.00069	<0.03	<0.00025	0.030	115	0.00279	0.00102	0.021	<0.3	2.9	<0.005	1.41	<0.00005	5.1	1.390	<0.0005	<0.0005	<0.01		0.0166	0.0111	
GP10	11-Sep-07	8.19	1732	11.2	135	trickle	1730	8.27	<1	373	1.44	721	<0.005	<0.0005	0.00106	0.011	<0.0025	<0.0025	<0.05	<0.00025	128	<0.0025	0.00351	<0.0005	0.046	<0.00025	0.041	221	0.00104	0.00203	0.042	<0.3	3.9	<0.005	2.19	<0.00005	4.0	0.650	<0.0005	<0.0005	<0.01		0.0264	0.0109	
GP04	15-May-08	7.41	2000	1.8	68	25	2000	8.10	7.6	200	<0.5	1100	0.003	0.0113	0.01	0.010	<0.00005	<0.00003	<0.3	0.00974	253	<0.0005	0.011	0.0024	0.007	0.0326	0.019	193	0.0534	0.0075	0.204		3.0	0.0032	1.11	<0.00003	3.0	0.794	0.00444	<0.00005	<0.003	0.0156	<0.001	9.76	<0.0005
GP09	15-May-08	8.22	710	2.5	72	30	0700	8.30	<0.5	130	<0.5	250	0.0012	0.00042	0.00056	0.014	<0.00001	<0.000005	<0.05	0.000007	059	<0.0001	0.00066	0.00021	0.002	0.000094	0.014	060	0.00052	0.00222	0.007		2.2	0.0006	0.49	<0.000005	1.1	0.234	0.000079	<0.00001	<0.0005	0.00876	<0.0002	0.0018	<0.0001
GP02	17-Sep-08	7.94	791	7	133	120	1000	8.20	16.1	170	2.40	400	0.0211	0.00094	0.00481	0.079	<0.00001	<0.000005	<0.05	0.000016	192	0.0001	0.00015	0.00114	0.044	0.000758	0.003	038	0.083	0.00268	0.002		3.8	0.0025	3.80	<0.000005	13.2	0.644	0.000004	0.000	0.0009	0.0313	0.001	0.0048	<0.0001
GP03	17-Sep-08	8.7	349	5.7	126	210	0510	8.30	<0.5	140	0.80	120	0.0028	0.00149	0.00214	0.105	<0.00001	<0.000005	<0.05	0.000022	070	<0.0001	9.5E-05	0.00029	0.004	0.000188	0.003	018	0.111	0.0062	0.000		1.8	0.0056	4.52	0.000006	10.8	0.418	<0.000002	<0.00001	<0.0005	0.0285	0.0011	0.0042	<0.0001
GP04	18-Sep-08	7.52	1372	5.8	8	24.9	1800	7.80	24.2	310	1.10	970	0.001	0.0161	0.0162	0.011	<0.00005	<0.00003	<0.3	0.0055	228	<0.0005	0.00516	0.0038	<0.005	0.0365	0.017	156	0.0098	0.0119	0.208		3.0	0.0011	1.52	<0.00003	3.7	0.885	0.00424	<0.00005	0.004	0.0256	<0.001	6.81	<0.0005
GP05	18-Sep-08	813	1515	5.9	67	60	2000	8.20	3.4	240	0.90	1200	0.002	0.0047	0.0495	0.010	<0.00005	<0.00003	<0.3	<0.00003	258	<0.0005	0.0233	0.0006	0.007	0.00017	0.020	164	0.0018	0.0073	0.175		3.9	0.0014	1.30	<0.00003	3.9	1.170	0.00049	<0.00005	<0.003	0.0386	<0.001	0.0135	<0.0005
GP06	18-Sep-08	7.64	1398	6.2	127	Trace	1900	7.90	38.5	190	0.60	1200	0.002	0.0315	0.0078	0.012	<0.00005	<0.00003	<0.3	0.00185	219	<0.0005	0.00797	0.001	<0.005	0.0162	0.025	155	0.0189	0.0078	0.078		3.9	0.001	1.20	<0.00003	4.6	1.150	0.00372	<0.00005	0.004	0.034	0.001	3.02	<0.0005
GP07	18-Sep-08	8.09	800	9.1	124	Trace	1100	8.30	12.2	210	1.00	480	0.0013	0.00022	0.00054	0.015	<0.00001	<0.000005	<0.05	0.000006	142	<0.0001	0.00036	0.00082	0.002	0.000342	0.020	073	0.00045	0.00192	0.011		2.1	0.0007	1.26	<0.000005	3.1	0.990	0.000215	0.000	<0.0005	0.0166	<0.0002	0.0043	<0.0001
GP08	18-Sep-08	8.41	860	10	121	Trace	1200	8.40	2.2	280	0.80	610	0.0013	0.00012	0.00025	0.014	<0.00001	<0.000005	<0.05	<0.000005	099	<0.0001	0.00034	0.00041	0.002	0.000051	0.028	113	0.00021	0.00078	0.009		2.6	0.0006	1.06	<0.000005	3.0	0.667	0.000091	0.000	<0.0005	0.0122	<0.0002	0.0011	<0.0001
GP09	18-Sep-08	7.66	1201	5.9	130	15	1600	8.10	20.0	340	2.30	780	0.0005	0.00041	0.00059	0.014	<0.00001	<0.000005	<0.05	0.000049	130	<0.0001	0.00323	0.00035	0.001	0.000324	0.040	175	0.00739	0.0035	0.040		3.9	0.0005	1.54	<0.000005	3.9	0.661	0.000191	<0.00001	<0.0005	0.0294	<0.0002	0.036	0.0002
GP10	18-Sep-08	8.3	1357	10.1	132	Trace	1700	8.20	7.0	350	2.70	870	0.0012	0.00021	0.0011	0.010	<0.00001	<0.000005	<0.05	0.000023	127	<0.0001	0.00132	0.00171	0.002	0.000191	0.046	210	0.00153	0.00382	0.071		4.1	0.0008	1.85	<0.000005	4.4	0.518	0.000124	<0.00001	<0.0005	0.0265	<0.0002	0.0147	0.0004
GP12	17-Sep-08	6.23	1456	6.2	138	10.4	1900	4.20	599.0	<0.5	1.10	1100	0.041	0.0023	0.0482	0.013	0.0003	<0.0001	<1	0.122	140	<0.002	0.552	0.783	147	0.0025	0.034	097	19.7	<0.001	0.526		1.4	<0.0008	4.25	0.0001	15.3	0.556	0.0114	<0.0002	<0.01	0.00074	<0.004	129	<0.002
GP13	17-Sep-08	7.89	804	6.3	85	Trace	1100	8.00	4.3	130	1.00	500	0.0008	0.00058	0.00019	0.015	<0.00001	<0.000005	<0.05	0.00271	166	<0.0001	0.00029	0.00068	0.001	0.0104	0.007	058	0.00502	0.00049	0.058		3.6	0.002	0.36	0.000009	14.5	0.529	0.00272	<0.00001	<0.0005	0.00538	<0.0002	2.34	<0.0001
GP14	17-Sep-08	3.11	2376	6.9	244	Trace	3100	3.30	1110.0	<0.5	0.60	2100	10.9	0.002	0.014	0.004	0.002	<0.0005	<5	0.976	247	<0.01	0.257	1.01	32	1.37	<0.05	098	10.2	<0.005	0.614		<1	0.006	11.10	0.0017	5.0	0.626	0.169	0.002	<0.05	0.011	<0.02	795	<0.01
GP15	17-Sep-08	7.6	1316	6.5	178	1	1600	7.90	24.3	250	0.80	680	0.001	0.0008	0.006	0.016	<0.00005	<0.00003	<0.3	0.00008	266	<0.0005	0.00048	0.0007	0.005	0.00011	0.013	097	0.304	0.0005	0.017		3.6	0.0048	3.65	<0.00003	16.8	1.210	0.00019	<0.00005	<0.003	0.035	0.001	0.182	<0.0005
GP16	17-Sep-08	7.95	1165	6.3	132	4	1400	8.00	5.3	240	1.00	610	0.007	0.00058	0.013	0.035	<0.00001	<0.000005	<0.05	0.000349	267	<0.0001	0.0002	0.00142	0.033	0.001	0.003	083	0.171	0.00176	0.009		2.9	0.002	4.12	<0.000005	18.8	1.370	0.000134	<0.00001	<0.0005	0.00749	<0.0002	0.385	<0.0001
GP17	17-Sep-08	8.08	263	6	129	180	0350	8.30	<0.5	140	1.00	041	0.0092	0.00026	0.00081	0.033	<0.00001	<0.000005	<0.05	0.00002	042	<0.0001	8.2E-05	0.00031	0.014	0.00017	0.004	016	0.00731	0.00157	0.001		1.3	0.0051	3.96	0.000005	5.7	0.246	0.000008	0.000	<0.0005	0.00981	0.0004	0.0017	<0.0001
GP18	17-Sep-08	8.04	1074	8.7	133	1	1200	8.30	<0.5	190	1.00	470	0.01	0.00025	0.00095	0.010	<0.00001	<0.000005	<0.05	0.000024	169	0.0002	0.00594	0.00062	0.028	0.000691	0.045	215	0.0024	0.00071	0.070		3.3	0.0006	2.55	0.000006	10.9	0.956	0.000039	0.000	0.0006	0.0198	0.0002	0.0255	0.0008

Footnotes:

[1] - Below bench of GP01

[2] - Above GP01 which was sampled at lake level

Sample ID	Date Sampled	Field Parameters pH	Cond uS/cm	Temp °C	ORP mV	Flow L/min	Physical Tests Cond uS/cm	pH	Dissolved Anions Acidity (to pH 8.3) mg CaCO3/L	Alkalinity-Total mg CaCO3/L	Cl mg/L	SO4 mg/L	Dissolved Metals Al mg/L	Sb mg/L	As mg/L	Ba mg/L	Be mg/L	Bi mg/L	B mg/L	Cd mg/L
04-VP01	5/31/2004	7.27	181	8.4	385	6	174	8.04	1.3	59.5	<0.50	23.3	<0.20	<0.2	<0.2	0.025	<0.005	<0.2	<0.1	<0.010
04-VP02	6/1/2004	2.95	1261	14.5	675	15	1240	2.83	408	<1.0	0.57	582	7.38	<0.2	<0.2	0.014	<0.005	<0.2	<0.1	0.025
04-VP03	6/1/2004	7.57	405	20.5		0.25	405	8.17	<1.0	201	0.62	25.1	<0.20	<0.2	<0.2	0.034	<0.005	<0.2	<0.1	<0.010
04-VP04	6/1/2004	3.96	7390	17.8	483	2	7410	3.61	4370	<1.0	<0.50	7070	45.6	<2.0	<2.0	<0.10	<0.050	<2.0	<1.0	3.21
04-VP05	6/1/2004	5.58	2810	8.3	257	Trace	2750	5.14	643	10.6	0.75	1930	<0.40	<0.40	<0.40	0.021	<0.010	<0.40	<0.20	0.059
04-VP06	6/1/2004	2.7	12.9	10210	715	Trace	10100	2.74	3270	<1.0	<0.50	11139	19.1	<2.0	<2.0	<0.10	<0.050	<2.0	<1.0	1.08
04-VP07	6/1/2004	3.15	5750	11.3	619	1	5830	2.89	2070	<1.0	1.02	5110	54.6	<0.60	<0.60	<0.030	<0.015	<0.60	<0.30	0.823
04-VP08	6/2/2004	2.84	9110	6.9	610	Trace	8350	3.08	3570	<1.0	1.19	8080	12.1	<2.0	<2.0	<0.10	<0.050	<2.0	<1.0	1.13
04-VP09	6/2/2004	5.62	1033	4.4	329	2	940	6.55	115	24.1	<0.50	485	<0.20	<0.2	<0.2	0.018	<0.005	<0.2	<0.1	0.045
04-VP10	6/2/2004	6.33	809	13.3	357	Trace	1400	3.67	356	<1.0	<0.50	797	4	<0.2	<0.2	0.017	<0.005	<0.2	<0.1	0.322
04-VP11	6/2/2004	3.44	1465	11.9	669	90	773	7.32	17.4	150	<0.50	286	<0.20	<0.2	<0.2	0.018	<0.005	<0.2	<0.1	<0.010
04-VP12	6/2/2004	7.18	1372	12.6	434	Trace	1330	8	8.4	216	<0.50	600	<0.20	<0.2	<0.2	0.015	<0.005	<0.2	<0.1	<0.010
04-VP13	6/2/2004	6.82	2080	12	458	Trace	2020	7.24	87.5	14	1.37	1370	<0.20	<0.2	<0.2	0.011	<0.005	<0.2	<0.1	<0.010
04-VP14	6/2/2004	7.18	583	12.6	446	0.25	568	7.46	35	90	<0.50	212	<0.20	<0.2	<0.2	0.041	<0.005	<0.2	<0.1	0.036
04-VP15	6/2/2004	7.1	1243	12.8	461	Trace	1230	7.4	75	15.5	<0.50	684	<0.20	<0.2	<0.2	0.011	<0.005	<0.2	<0.1	0.036
04-VP16	6/2/2004	3.71	2980	15.1	637	0.1	2920	4.08	766	<1.0	1.08	2200	49.3	<0.2	0.2	<0.010	0.0132	<0.2	<0.1	0.284
05-VP01	17-May-05	2.7	1950	12.5	619		405	8.3	<1	3.5	<0.5	473	0.27	<0.2	<0.2	0.221	<0.005	<0.2	<0.1	0.075
05-VP02	17-May-05	7.94	408	15.1	258		405	8.39	<1	213	<0.5	25	<0.2	<0.2	<0.2	0.04	<0.005	<0.2	<0.1	<0.01
05-VP03	17-May-05	2.82	1369	6.8	350		1170	2.82	401	<2	<0.5	448	9.04	<0.2	<0.2	0.015	<0.005	<0.2	<0.1	0.021
05-VP04	17-May-05	3.32	7040	8	544		6780	2.94	4230	<2	<25	6960	64.9	<0.4	1.15	<0.02	<0.01	<0.4	<0.2	2.13
05-VP05	17-May-05	5.06	1420	7.2	398		1360	6.89	221	3.6	<0.5	799	<0.2	<0.2	<0.2	0.012	<0.005	<0.2	<0.1	0.119
05-VP06	17-May-05	5.41	2000	7.6	298		1990	6.44	276	5.6	<5	1230	1.19	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.31
05-VP07	17-May-05	4.06	3290	7.2	472		3310	3.67	876	<2	<10	2220	24.4	<0.2	<0.2	<0.01	<0.005	<0.2	<0.1	0.651
05-VP09	19-May-05	2.91	11560	6.6	685		11000	2.7	10800	<2	<50	14000	151	<1	31.7	<0.05	<0.025	<1	<0.5	2.9
VP01	22-Sep-06	6.78	671	4.9	341	trace	637	7.74	9.4	183	<0.50	174	<0.20	<0.20	<0.20	0.015	<0.0050	<0.20	<0.10	<0.010
VP02	22-Sep-06	7.08	4470	6.1	212	trace	4230	6.48	806	31.6	<25	3320	<0.40	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	0.372
VP03	22-Sep-06	3.59	1057	5.9	333		1030	4.02	160	<2.0	<0.50	521	2.98	<0.20	<0.20	0.018	<0.0050	<0.20	<0.10	0.118
VP-04	22-Sep-06	5.55	1623	6.7	272	trace	1590	4.72	344	9.6	<0.50	968	1.19	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	0.371
VP05	22-Sep-06	3.62	2020	6	407	trace	1920	3.92	164	<2.0	<0.50	1250	3.52	<0.20	<0.20	0.014	<0.0050	<0.20	<0.10	<0.010
VP06	22-Sep-06	8.24	885	7.7	132	trace	840	8	4.5	91.9	<0.50	369	<0.20	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	<0.010
VP07	22-Sep-06	6.48	3680	6.9	360	20	3460	5.24	1570	10.5	<250	2740	<0.20	<0.20	<0.20	<0.010	<0.0050	<0.20	<0.10	0.291
VP09	22-Sep-06	6.91	646	6.7		trace	605	7.76	9.1	62.9	<0.50	246	<0.20	<0.20	<0.20	0.012	<0.0050	<0.20	<0.10	<0.010
VP10	22-Sep-06	3.56	2120	6.9		trace	2060	3.47	239	<2.0	<0.50	1340	1.44	<0.20	<0.20	0.011	<0.0050	<0.20	<0.10	0.012
VP11	22-Sep-06	3.02	6030	7.9		<1	5510	3.1	3560	<2.0	<250	5390	24.2	<0.40	<0.40	<0.020	<0.010	<0.40	<0.20	1.03
VP-01	12-Sep-07	8.69	611	10.6	280	2	572	6.89	18	115	<0.5	200	0.0028	0.00022	0.0059	0.0158	<0.001	<0.001	<0.02	0.0144
VP-02	12-Sep-07	6.56	3990	18.4	324	1	4000	6.5	860	32.3	<50	3380	<0.2	<0.02	<0.02	0.023	<0.1	<0.1	<2	0.397
VP-03	12-Sep-07	3.68	1012	9.9	387	20	995	4.45	178	<2	<0.5	535	3.04	<0.002	<0.002	0.0191	<0.01	<0.01	<0.2	0.122
VP-07	12-Sep-07	5.39	5010	6.3	115	200	4900	4.1	2214.4	5.3	<500	4530	0.6	<0.02	0.043	<0.01	<0.1	<0.1	<2	0.573
VP-09	12-Sep-07	6.85	390	6.5	105	1	389	7.97	4.8	171	<0.5	44.3	0.0015	<0.0001	0.0013	0.0281	<0.0005	<0.0005	<0.01	0.00023
VP-10	12-Sep-07	3.57	2440	7.3	324	trace	2580	3.37	563	<2	<50	1710	5.32	<0.005	0.0054	0.0109	<0.025	<0.025	<0.5	0.0409
VP-11	12-Sep-07	3.42	7230	12.7	354	trickle	7340	3.37	5090	<2	<500	7460	52.2	0.024	0.527	<0.01	<0.1	<0.1	<2	1.67
VP01	17-Sep-08	7.26	584	8.6	162	1.8	810	7.6	44.8	100	0.8	330	0.005	0.0005	0.0015	0.0184	<0.00005	<0.00003	<0.3	0.0626
VP02	17-Sep-08	6.78	2348	8.6	198	Trace	2900	6.6	769	15	<0.5	2000	<0.02	<0.002	<0.002	0.014	<0.001	<0.0005	<5	1.57
VP03	17-Sep-08	2.93	1160	8.3	354	Trace	1500	3.3	412	<0.5	<0.5	750	5.62	<0.0004	0.0025	0.0128	0.001	<0.0001	<1	0.233
VP04	17-Sep-08	2.63	2533	8.5	428	3	3200	3	677	<0.5	<0.5	2000	13.9	<0.0004	0.0109	0.017	0.0067	<0.0001	<1	0.0269
VP05	17-Sep-08	7.68	1161	7.5	345	3	1500	7.8	27.6	89	<0.5	800	0.003	0.0003	0.0004	0.0111	<0.00005	<0.00003	<0.3	0.0002
VP06	17-Sep-08	6.94	190	8	270	4	250	7.5	<0.5	32	0.6	70	0.0083	0.00056	0.001	0.0353	<0.00001	<0.000005	<0.05	0.00031
VP07	17-Sep-08	6.94	1840	6.9	267	2	2400	7.4	182	150	0.9	1600	0.002	0.016	0.0009	0.0138	<0.0001	<0.00005	<0.5	0.0144
VP08	17-Sep-08	6.46	1749	7.7	16	3	2200	5.1	704	<0.5	0.5	1600	<0.002	<0.0002	0.0151	0.0104	<0.0001	<0.00005	<0.5	0.0931
VP09	17-Sep-08	5.38	4210	4.9	197	10.2	5100	3.9	3910	<0.5	<0.5	4700	4.45	0.002	0.011	0.003	0.001	<0.0005	<5	1.17
VP11	17-Sep-08	3.61	5710	7.4	240	3	8100	3.3	7840	<0.5	<0.5	7900	59.1	0.041	1.99	0.005	0.006	<0.0005	<5	2.66

Sample ID	Ca mg/L	Cr mg/L	Co mg/L	Cu mg/L	Fe mg/L	Pb mg/L	Li mg/L	Mg mg/L	Mn mg/L	Mo mg/L	Ni mg/L	P mg/L	K mg/L	Se mg/L	Si mg/L	Ag mg/L	Na mg/L	Sr mg/L	Tl mg/L	Sn mg/L	Ti mg/L	U mg/L	V mg/L	Zn mg/L	Zr mg/L
04-VP01	27	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	2.33	<0.0050	<0.030	<0.050	<0.30	<2.0	<0.20	3.92	<0.01	<2.0	0.087	<0.20	<0.03	<0.01		<0.03	0.0074	
04-VP02	28.1	<0.010	0.345	4.75	129	0.436	0.011	13.3	7.34	<0.030	0.075	<0.30	<2.0	<0.20	8.53	<0.01	2.1	0.145	<0.20	<0.03	<0.01		<0.03	12.1	
04-VP03	52.8	<0.010	<0.010	<0.010	<0.030	<0.050	<0.010	14.7	0.0084	<0.030	<0.050	<0.30	<2.0	<0.20	5.89	<0.01	6	0.304	<0.20	<0.03	<0.01		<0.03	<0.005	
04-VP04	221	<0.10	4.65	41.3	1410	2.49	<0.10	226	168	<0.30	2.11	<3.0	<20	<2.0	15.7	<0.10	<20	0.258	<2.0	<0.30	<0.10		<0.30	1530	
04-VP05	232	<0.020	0.844	0.025	166	<0.10	0.103	131	90	<0.060	0.65	<0.60	7.9	<0.40	5.88	<0.02	5.1	0.807	<0.40	<0.06	<0.02		<0.06	229	
04-VP06	404	<0.10	9.14	11.9	421	<0.50	0.33	918	924	<0.30	3.77	<3.0	<20	<2.0	13.5	<0.10	<20	1.11	<2.0	<0.30	<0.10		<1.0	1550	
04-VP07	363	<0.030	3.34	8.64	492	0.91	0.2	326	312	<0.090	1.69	<0.90	9.5	<0.60	19.7	<0.03	<6.0	0.946	<0.60	<0.09	<0.03		<0.30	558	
04-VP08	455	<0.10	4.25	1.77	860	<0.50	0.35	675	559	<0.30	3.34	<3.0	<20	<2.0	24	<0.10	<20	1.52	<2.0	<0.30	<0.10		<1.0	1550	
04-VP09	98.6	<0.010	0.187	<0.010	50	<0.050	0.03	32.7	21.4	<0.030	0.076	<0.30	2.2	<0.20	5.08	<0.01	4.9	0.488	<0.20	<0.03	<0.01		<0.03	48.1	
04-VP10	105	<0.010	0.355	1.54	6.14	0.685	0.048	55.6	16.1	<0.030	0.603	<0.30	<2.0	<0.20	8.99	<0.01	<2.0	0.447	<0.20	<0.03	<0.01		<0.03	180	
04-VP11	129	<0.010	0.05	<0.010	1.4	<0.050	<0.010	29	0.698	<0.030	0.125	<0.30	<2.0	<0.20	5.76	<0.01	3	1.38	<0.20	<0.03	<0.01		<0.03	5.19	
04-VP12	199	<0.010	<0.010	<0.010	<0.030	<0.050	0.045	77.2	0.245	<0.030	0.087	<0.30	2.4	<0.20	2.02	<0.01	2.3	1.05	<0.20	<0.03	<0.01		<0.03	2.86	
04-VP13	324	<0.010	0.113	<0.010	<0.030	<0.050	0.157	91.8	31.7	<0.030	0.646	<0.30	3.1	<0.20	3.14	<0.01	2.4	1.18	<0.20	<0.03	<0.01		<0.03	42	
04-VP14	70.2	<0.010	0.072	<0.010	<0.030	<0.050	0.01	21.6	4.13	<0.030	0.183	<0.30	<2.0	<0.20	4.39	<0.01	2.1	0.334	<0.20	<0.03	<0.01		<0.03	19.9	
04-VP15	166	<0.010	0.144	<0.010	<0.030	0.101	0.072	44.5	15	<0.030	0.745	<0.30	<2.0	<0.20	3.52	<0.01	2.3	0.794	<0.20	<0.03	<0.01		<0.03	37.7	
04-VP16	298	<0.010	1.41	2.37	4.17	1.85	0.309	147	51.9	<0.030	2.51	<0.30	4.2	<0.20	20.9	<0.01	5.2	1.23	0.2	<0.03	<0.01		<0.03	238	
05-VP01	117	<0.01	0.134	1.59	20.8	<0.05	<0.01	35.1	11.7	<0.03	0.168	<0.3	<2	<0.2	5.48	<0.01	<2	0.331	<0.2	<0.03	<0.01		<0.03	32.3	
05-VP02	65.6	<0.01	<0.01	<0.01	<0.03	<0.05	<0.01	15.1	0.0184	<0.05	<0.05	<0.3	<2	<0.2	6.19	<0.01	6.1	0.305	<0.2	<0.03	<0.01		<0.2	0.0094	
05-VP03	36.1	0.016	0.278	3.35	91.1	0.466	0.019	15.7	5.57	<0.03	0.068	<0.3	<2	<0.2	11.2	<0.01	2.9	0.162	<0.2	<0.03	<0.01		<0.03	11.2	
05-VP04	218	0.113	3.72	111	1620	1.56	0.111	159	148	<0.1	1.79	<0.6	<4	<0.4	16.5	<0.02	<4	0.295	<0.4	<0.06	<0.02		<0.06	1230	
05-VP05	168	<0.01	0.236	0.08	70.3	<0.05	0.033	49.8	36.1	<0.03	0.117	<0.3	2.5	<0.2	5.84	<0.01	7.2	0.729	<0.2	<0.03	<0.01		<0.03	75	
05-VP06	190	<0.01	1.36	0.102	3.9	1.35	0.101	154	55.5	<0.03	2.84	<0.3	3.2	<0.2	5.35	<0.01	<2	0.516	<0.2	<0.03	<0.01		<0.03	126	
05-VP07	249	0.018	1.66	1.21	29.2	2.16	0.153	261	47.8	<0.03	2.35	<0.3	<2	<0.2	13.7	<0.01	<2	0.436	<0.2	<0.03	<0.01		0.044	235	
05-VP09	385	0.36	7.28	126	2630	1.11	0.396	660	546	<0.15	3.95	6	<10	<1	27.4	<0.05	<10	0.86	<1	<0.15	<0.05		<0.4	1710	
VP01	96.6	<0.010	0.014	<0.010	3.47	<0.050	0.01	26.4	0.474	<0.030	0.057	<0.30	<2.0	<0.20	5.31	<0.010	5.4	0.668	<0.20	<0.030	<0.010		<0.030	2.91	
VP02	378	<0.020	2.44	<0.020	<0.060	<0.10	0.185	366	67.1	<0.060	8.68	<0.60	4.8	<0.40	1.96	<0.020	4.7	2.47	<0.40	<0.060	<0.020		<0.080	627	
VP03	87.4	<0.010	0.13	0.495	3.59	0.435	0.036	43.9	6.81	0.031	0.341	<0.30	<2.0	<0.20	7.37	<0.010	<2.0	0.33	<0.20	<0.030	<0.010		<0.030	78.9	
VP-04	159	<0.010	0.746	4.02	0.53	2.67	0.057	69.6	22.9	<0.030	0.545	<0.30	<2.0	<0.20	7.94	<0.010	<2.0	0.601	<0.20	<0.030	<0.010		<0.030	180	
VP05	302	<0.010	0.227	0.069	1.06	0.282	0.162	77.1	39.3	<0.030	0.761	<0.30	2.4	<0.20	10.3	<0.010	2.6	1.03	<0.20	<0.030	<0.010		<0.030	72.7	
VP06	169	<0.010	<0.010	<0.010	<0.030	<0.050	0.034	25.5	0.021	<0.030	<0.050	<0.30	2	<0.20	1.51	<0.010	2.2	0.563	<0.20	<0.030	<0.010		<0.030	0.148	
VP07	198	<0.010	1.63	0.023	580	<0.050	0.082	144	84.6	<0.030	0.946	<0.30	3.3	<0.20	6.65	<0.010	5.6	0.755	<0.20	0.062	<0.010		<0.030	361	
VP09	89	<0.010	0.05	<0.010	6.62	<0.050	0.019	26.5	7.23	<0.030	<0.050	<0.30	<2.0	<0.20	3.93	<0.010	5.3	0.408	<0.20	<0.030	<0.010		<0.030	8.26	
VP10	186	<0.010	0.359	0.234	12.6	0.071	0.076	118	60.5	0.033	0.221	<0.30	4.8	<0.20	6.88	<0.010	7.1	0.576	<0.20	0.036	<0.010		<0.030	96.4	
VP11	168	<0.020	2.92	3.9	1510	2.07	0.097	141	90.8	<0.060	1.05	<0.60	<4.0	<0.40	13.7	<0.020	<4.0	0.369	<0.40	<0.060	<0.020		<0.060	569	
VP-01	85.5	<0.001	0.0378	0.0135	0.22	0.0007	0.01	26.1	0.561	0.0197	0.0565	<0.3	<2	0.0032	3.69	0.000021	2.4	0.377	0.0006	<0.0002	<0.01		0.0012	7.42	
VP-02	390	<0.1	2.43	0.314	<0.06	<0.01	<1	381	56.6	<0.01	7.58	<0.6	5.5	<0.2	4.07	<0.002	<4	2.8	<0.02	<0.02	<0.02		0.0277	608	
VP-03	84	<0.01	0.136	0.448	1.58	0.495	<0.1	44.7	6.92	<0.001	0.31	<0.3	<2	<0.02	8.78	<0.0002	<2	0.336	<0.002	<0.002	<0.01		0.0086	84.3	
VP-07	249	<0.1	2.7	0.071	857	0.096	<1	213	150	<0.01	1.56	<0.6	<4	<0.2	8.74	<0.002	5.3	0.961	<0.02	<0.02	0.024		0.0026	687	
VP-09	58.6	<0.0005	0.00126	0.00053	0.551	0.0002	0.0099	15.3	0.216	<0.00005	0.00082	<0.3	<2	<0.001	6.72	<0.00001	5	0.35	<0.0001	<0.0001	<0.01		0.0006	0.352	
VP-10	216	<0.025	0.623	1.35	64.3	0.0453	<0.25	152	89.5	<0.0025	0.343	<0.3	5.4	<0.05	10.4	<0.0005	7.5	0.68	<0.005	<0.005	0.011		0.0049	181	
VP-11	191	<0.1	4.4	12	2440	2.16	<1	172	125	<0.01	1.48	<1.5	<10	<0.2	22.5	<0.002	<10	0.279	0.041	<0.02	<0.05		0.0376	855	
VP01	111	<0.0005	0.0937	0.0755	3.02	0.00021	0.014	34.6	0.9	0.0024	0.11		1.51	0.0156	3.75	0.00012	2.21	0.445	0.0018	0.00006	<0.003	0.0016	<0.001	24.4	<0.0005
VP02	253	<0.01	2.8	0.125	0.149	<0.0005	0.162	149	40	<0.005	6.21		3	0.013	<10	0.0028	<1	1.18	0.0021	<0.001	<0.05	0.0067	<0.02	607	<0.01
VP03	97.5	0.003	0.243	0.806	14.9	0.606	0.041	59.5	12.1	<0.001	0.504		0.7	0.001	10.7	0.0006	0.3	0.371	0.0016	<0.0002	<0.01	0.014	<0.004	176	<0.002
VP04	439	0.004	0.528	0.21	30.1	0.722	0.189	122	57	<0.001	1.35		2.6	0.003	21.2	0.0005	1.5	1.58	0.001	<0.0002	<0.01	0.0275	<0.004	172	<0.002
VP05	281	<0.0005	0.00029	0.0028	0.016	0.0003	0.038	56.5	0.0152	<0.0003	0.0098		3.09	<0.0002	1.53	0.0001	1.81	0.822	0.0002	<0.00005	<0.003	0.0115	<0.001	0.174	<0.0005
VP06	34.9	<0.0001	0.0001	0.00261	0.003	0.00403	0.0113	4.9	0.0136	<0.00005	0.00965		0.76	0.00013	4.49	0.000006	1.7	0.127	0.0001	<0.00001	<0.0005	0.0005	<0.0002	0.26	<0.0001
VP07	241	<0.001	0.751	0.143	0.549	0.00013	0.115	203	23	0.0006	1.09		4.51	0.002	5.51	0.00014	12.2	1.12	0.0037	<0.0001	<0.005	0.004	<0.002	133	<0.001
VP08	159	<0.001	0.634	0.0059	273	0.00017	0.044	96.4	71.3	<0.0005	0.205		2.66	0.0005	6.73	0.00023	5.12	0.738	0.0006	<0.0001	<0.005	0.001	<0.002	157	<0.001
VP09	181	<0.01	2.83	0.783	1010	1.35	0.137	215	191	<0.005	1.58		3	<0.004	10.7	0.0033	<1	0.481	0.0136	<0.001	<0.05	0.0098	<0.02	678	<0.01
VP11	198	0.023	4.57	9.96	2400	2.57	0.154	210	165	<0.005	1.93		1	0.006	18.5	0.0033	<1	0.359	0.0469	<0.001	<0.05	0.0437	0.042	1560	<0.01

Appendix C
Thermal and Pore Gas Monitoring Results

Location: Faro
Hole ID: 60M1

Depth	Port Label	19-Feb-03	7-Jun-03	16-Sep-03	27-Apr-04	7-Jun-04	30-Sep-04	19-May-05	16-Sep-05	27-Feb-06	26-May-06	22-Sep-06	26-Feb-07	25-May-07	10-Sep-07	10-Mar-08	1-Jun-08	18-Sep-08
		Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)
0.7	0.7A	19.6	17.1	18.9	19.2	7.6	18.6	10.1	5.7	19.6	15.5	15.4	20	17	13	19.3	16.8	6.9
0.7	0.7B	19.6	16.9	18.9	19.2	7.5	18.6	10	5.2	19.6	15.9	15.3	20	17	13.6	19.2	17.1	6.8
1.4	1.4A	19.7	17.1	19.1	18.3	6.7	18.6	10.6	5.1	19.7	14.9	16	20	17	10.4	19.7	16.9	6.3
1.4	1.4B	19.7	17.5	19.1	18.3	6.6	18.6	10.6	5.1	19.8	14.9	16	20	17	10.4	19.7	16.9	6.3
2.8	2.8A	18.5	15.7	15.3	17.2	5.9	15.1	8.1	1.8	17.4	13.7	12.1	17.9	15.8	8.9	17.4	15.4	-
2.8	2.8B	18.5	15.7	15	17.3	5.9	14.7	7.8	2.2	17.4	13.5	12	17.8	15.7	8.9	17.5	15.3	4
5.6	5.6A	14.9	15.7	13.4	15.5	6	14.5	6.4	3.9	17.5	12.4	12.4	18.2	15.3	9.7	17.8	15.4	7.2
5.6	5.6B	15.6	15.5	13.2	15.2	6.3	14.3	5.7	4	17.5	12.3	12.1	18.3	15.5	9.7	17.9	15	7.4
10	10B(1)	17	12.2	11.1	14	9.2	10.7	7.7	4.2	13.6	10.4	10.4	14.9	17.8	8.4	14.3	15.9	6.9
10	20(1)	16.8	12.2	11.1	14.1	9.3	10.7	7.3	3.7	13.2	11.4	10.6	14.9	16.2	7.8	14.3	16.8	6.9
20	10A(1)	10	5.5	5.8	6.4	3.7	6.9	2.8	1.7	15.1	3.8	9.3	16.2	3.9	9.2	15.7	12	11
30	30	20.9	9.5	8.4	8.9	9	8.5	9.7	11.3	blocked	11.2	10.1	10.5	11.2	10.3	11.8	12.1	11.4
40	40	19.8	19.8	19	19.5	19.3	19.3	19.5	19.2	19.3	19.3	19.4	19.5	19.4	19.4	19.9	20.5	19.4
60	60	19.8	19.4	17.6	18.8	18.9	18.3	18.6	18.1	19.6	18.4	18.1	20.2	17.6	17.8	19.4	20.1	18.7

Note: (1) Port 20 and Port 10 A labels reversed

Location: Faro
Hole ID: 30M1

Depth	Port Label	19-Feb-03	7-Jun-03	16-Sep-03	27-Apr-04	7-Jun-04	30-Sep-04	19-May-05	16-Sep-05	27-Feb-06	26-May-06	22-Sep-06	26-Feb-07	25-May-07	10-Sep-07	10-Mar-08	1-Jun-08	18-Sep-08
		Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)	Oxygen (%)
0.7	0.7A	19.4	16.6	16.8	17.4	16.4	19	17.8	16	19.4	16.8	16.9	20.9	16.9	15.5	18.3	18.1	-
0.7	0.7B	19.4	16.6	16.8	plugged	16.4	19	17.8	15.9	19.4	16.8	16.9	20.9	16.9	15.5	18.4	18.2	17.9
1.4	1.4A	19.3	16.6	16.7	plugged	16.4	19	17.8	16	blocked	16.8	16.9	19.9	17	15.6	18.4	18.6	18.5
1.4	1.4B	19.3	16.6	16.8	plugged	16.4	19	18	16	19.4	16.8	16.9	20	17	15.5	18.4	18.6	-
2.8	2.8A	19.3	16.6	16.8	17.3	16.6	19	17.9	16.1	blocked	17	17	20	17.2	15.6	18.4	18	18.5
2.8	2.8B	19.3	16.6	16.8	17.3	16.6	19	17.9	16.1	19.5	17	17	20.8	17.2	15.6	18.4	18	-
5.6	5.6A	19.7	17	17.6	17.3	17.9	19.4	17.8	16.4	19.6	17.4	16.8	20.2	18	15.9	18.7	17.8	18.9
5.6	5.6B	19.7	17	17.6	plugged	17.9	19.4	17.8	16.4	19.7	17.4	16.8	20.1	18	15.9	18.7	17.7	18.8
10	10A	19.4	16.1	17.6	17	16.9	19.1	16.2	16.3	19.5	16.1	16.8	19.8	16.4	15.7	18.4	16.7	21
10	10B	19.4	16.1	17.7	plugged	16.9	19.1	16.2	16.3	19.5	16.1	16.8	19.8	16.4	15.7	18.4	16.7	21
20	20	20.2	16.1	19.7	plugged	16.4	19.3	14.8	18.4	19.9	17.2	20	20.2	17.4	18.1	17.7	16.6	21
30	30	12.9	7.4	12.7	10.1	6.7	9.1	not recorded	9.2	13.3	7.4	13.1	12.2	7.8	10.6	9.1	7.4	17.9

Notes : '*' indicates suspect value
-grey cells indicate monitoring points that were found to be plugged during February 2006 or subsequent monitoring

Location: Grum
Hole ID: 10M2

Depth	Port Label	20-Feb-03 Oxygen (%)	7-Jun-03 Oxygen (%)	16-Sep-03 Oxygen (%)	27-Apr-04 Oxygen (%)	7-Jun-04 Oxygen (%)	30-Sep-04 Oxygen (%)	19-May-05 Oxygen (%)	16-Sep-05 Oxygen (%)	27-Feb-06 Oxygen (%)	28-May-06 Oxygen (%)	22-Sep-06 Oxygen (%)	26-Feb-07 Oxygen (%)	25-May-07 Oxygen (%)	10-Sep-07 Oxygen (%)	10-Mar-08 Oxygen (%)	6-Jun-08 Oxygen (%)	18-Sep-08 Oxygen (%)
0.7	0.7	20.6	20.1	20.6	Not recorded	20.6	20.6	20.3	17.7	20.6	20.4	20.6	20.4	20.4	20.1	20.6	20.5	20.3
1.4	1.4A	14.8	10	10.2	Not recorded	*0.2	14.3	10.3	14.1	7.8	0	15.2	4.8	12.3	17.2	17.7	11.7	16.1
1.4	1.4B	10	8.8	9.8	Not recorded	20.3	13.2	10	14	7.3	blocked			blocked	blocked	blocked	blocked	blocked
2.8	2.8A	0.6	14.7	2.5	Not recorded	*0.2	3.5	2.3	3.1	0.3	blocked			blocked	blocked	blocked	blocked	blocked
2.8	2.8B	3.4	11.6	2.5	Not recorded	3.5	3.5	2.1	3.1	0.3	blocked			blocked	blocked	blocked	blocked	blocked
5.6	5.6A	1	10.9	12.7	Not recorded	10.2	10.4	7.5	12.4	0.5	7.6	11.8	1.6	blocked	14.6	4.1	9.6	13.8
5.6	5.6B	1	11.1	12.7	Not recorded	10.2	10.4	7.5	12.4	blocked	blocked	blocked	blocked	blocked	blocked	blocked	blocked	blocked
10	10	1.3	15.1	12.3	Not recorded	15.2	9.6	not recorded	13.1	1	blocked	blocked	blocked	blocked	blocked	blocked	blocked	blocked

Location: Grum
Hole ID: 10M3

Depth	Port Label	20-Feb-03 Oxygen (%)	7-Jun-03 Oxygen (%)	16-Sep-03 Oxygen (%)	27-Apr-04 Oxygen (%)	7-Jun-04 Oxygen (%)	30-Sep-04 Oxygen (%)	19-May-05 Oxygen (%)	16-Sep-05 Oxygen (%)	27-Feb-06 Oxygen (%)	28-May-06 Oxygen (%)	22-Sep-06 Oxygen (%)	26-Feb-07 Oxygen (%)	25-May-07 Oxygen (%)	10-Sep-07 Oxygen (%)	10-Mar-08 Oxygen (%)	6-Jun-08 Oxygen (%)	18-Sep-08 Oxygen (%)
0.7	0.7A	20.6	20.6	20.5	20.6	20.7	20.7	20.6	20.7	20.6	20.9	20.7	19.2	20.7	20.7	20.8	20.7	20.9
0.7	0.7B	20.6	20.6	20.5	20.6	20.7	20.7	20.6	20.7	20.6	20.9	20.7	19.3	20.7	20.7	20.9	20.7	20.9
1.4	1.4A	19	18.9	20.1	20.5	20.1	19.7	20.2	18.7	18.3	blocked	blocked	blocked	blocked	blocked	blocked	blocked	blocked
1.4	1.4B	18.9	18.7	20.1	plugged	20	19.5	20.2	18.8	18.2	blocked	blocked	blocked	blocked	blocked	blocked	blocked	blocked
2.8	2.8A	16.3	16	13.7	16.1	16.6	13.1	20.4	14.4	15.7	15.5	14.7	16.2	blocked	15.3	16.3	blocked	14
2.8	2.8B	15.9	16	13.7	16.2	16.6	13.2	17.2	14.4	15.6	15.5	14.7	16.4	blocked	15.2	16.3	blocked	14
5.6	5.6A	13.7	15	14.6	plugged	15.8	14.2	18.8	17.1	blocked		15.7	15.7	blocked	19.3	21	blocked	18.1
5.6	5.6B	13.7	15	14.6	14.4	15.8	14.2	16	17	blocked	16	15.7	15.7	blocked	19.2	21	blocked	18
10	10A	16	13.5	14.5	15.7	14.1	14.4	20.9	17.3	blocked	15.2	15.5	17.9	blocked	19.7	21	blocked	17.1
10	10B	16	14.1	14.5	15.7	*18.2	14.4	20.9	17	blocked		blocked	blocked	blocked	blocked	blocked	blocked	blocked

Location: Grum
Hole ID: 30M3

Depth	Port Label	20-Feb-03 Oxygen (%)	7-Jun-03 Oxygen (%)	16-Sep-03 Oxygen (%)	27-Apr-04 Oxygen (%)	7-Jun-04 Oxygen (%)	30-Sep-04 Oxygen (%)	19-May-05 Oxygen (%)	16-Sep-05 Oxygen (%)	27-Feb-06 Oxygen (%)	28-May-06 Oxygen (%)	22-Sep-06 Oxygen (%)	26-Feb-07 Oxygen (%)	25-May-07 Oxygen (%)	10-Sep-07 Oxygen (%)	10-Mar-08 Oxygen (%)	6-Jun-08 Oxygen (%)	18-Sep-08 Oxygen (%)
0.7	0.7A	18.4	20.7	20.5	plugged	20.7	20.3	20.6	20.5	19.2	not recorded	20.8	20.1	20.8	20.4	20.3	20.8	20.4
0.7	0.7B	18.4	20.7	20.5	20.6	20.7	20.4	20.6	20.5	19.3	not recorded	20.8	20.1	20.8	20.4	20.3	20.9	20.4
1.4	1.4A	19.1	20.8	20.5	plugged	20.7	20.3	20.7	20.5	19.2	not recorded	20.7	20.1	20.8	20.3	20	20.8	20.3
1.4	1.4B	19	20.6	20.4	20.4	20.7	20.3	20.6	20.2	19.1	not recorded	20.7	20.1	20.8	20.3	20	20.8	20.3
2.8	2.8A	17.5	20.5	19.8	20.2	20.5	19.9	20.4	19.8	18.7	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
2.8	2.8B	17.5	20.5	19.8	20.2	20.5	19.9	20.4	19.7	18.7	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
5.6	5.6A	15.6	20.5	19.3	20.2	20.5	19.5	20.3	19.7	17.2	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
5.6	5.6B	15.5	20.5	19.3	20.2	20.5	19.5	20.3	19.7	17.2	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
10	10A	5.7	15.6	5.4	plugged	18	0	12.1	11.2	9.2	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
10	10B	5.5	15.9	5.4	0	18	0	12.1	11.4	9.3	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
20	20A	4.9	4	0	0	0.3	0.4	1.3	0	3.3	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
20	20B	4.9	3.7	0	0	0.3	0.4	1.3	0	3.4	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
30	30A	3.7	0.6	0.4	plugged	0.9	1	0.2	1.1	4.6	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked
30	30B	3.8	0.6	0.4	0	0.9	1	0.2	1.1	4.6	not recorded	blocked	blocked	blocked	blocked	blocked	blocked	blocked

Notes : '*' indicates suspect value
-grey cells indicate monitoring points that were found to be plugged during February 2006 or subsequent monitoring

Location: Vangorda
Hole ID: 10M4

Depth	Port Label	20-Feb-03 Oxygen (%)	7-Jun-03 Oxygen (%)	16-Sep-03 Oxygen (%)	27-Apr-04 Oxygen (%)	7-Jun-04 Oxygen (%)	30-Sep-04 Oxygen (%)	19-May-05 Oxygen (%)	16-Sep-05 Oxygen (%)	27-Feb-06 Oxygen (%)	28-May-06 Oxygen (%)	22-Sep-06 Oxygen (%)	26-Feb-07 Oxygen (%)	25-May-07 Oxygen (%)	10-Sep-07 Oxygen (%)	10-Mar-08 Oxygen (%)	6-Jun-08 Oxygen (%)	18-Sep-08 Oxygen (%)
0.7	0.7	20.6	18.6	19.6	19	18.4	19.8	18.3	18.3	20.8	19.1	19.6	20.8	19.5	18.7	20.5	18.9	18
1.4	1.4	20.9	20.3	20.6	19.9	20.3	20.7	20.1	19.7	20.9	20	20.5	20.8	20.3	20	20.4	20.2	20.5
2.8	2.8A	21	20.7	20.8	20	20.7	20.8	20.3	19.6	20.9	20	20.7	20.8	20.6	20.3	20.4	20.4	21
2.8	2.8B	21	20.7	20.8	20	20.7	20.8	20.3	19.6	20.9	20.1	20.7	20.8	20.6	20.3	21	20.4	21
5.6	5.6A	20.8	20.6	20	19.8	20.7	20.1	20.1	18	20.8	19.4	20.1	20.6	20.6	20	20.9	20.5	20.3
5.6	5.6B	20.8	20.7	20	19.8	20.7	20.1	20.1	18	20.8	19.4	20.1	20.6	20.6	20	20	20.5	20.3
10	10	20.2	19.3	19.3	17.9	20.1	19.4	Not recorded	17.3	20.5	19.1	19.8	19.7	20.5	19.9	19.5	20.1	20.3

Location: Vangorda
Hole ID: 30M4

Depth	Port Label	20-Feb-03 Oxygen (%)	7-Jun-03 Oxygen (%)	16-Sep-03 Oxygen (%)	27-Apr-04 Oxygen (%)	7-Jun-04 Oxygen (%)	30-Sep-04 Oxygen (%)	19-May-05 Oxygen (%)	16-Sep-05 Oxygen (%)	27-Feb-06 Oxygen (%)	28-May-06 Oxygen (%)	22-Sep-06 Oxygen (%)	26-Feb-07 Oxygen (%)	25-May-07 Oxygen (%)	10-Sep-07 Oxygen (%)	10-Mar-08 Oxygen (%)	6-Jun-08 Oxygen (%)	18-Sep-08 Oxygen (%)
0.7	0.7A	0	19.9	0.8	2.8	19.3	*2.2	17.4	1.7	0	9.8	9.2	0	9.2	17.5	0.04	19.8	17.9
0.7	0.7B	0	20	1.1	3.1	19.5	*2.7	17.5	7.9	blocked	10	9.2	0.1	9.2	17.4	0.04	19.8	18
1.4	1.4A	0	17.4	0	0.1	14.6	0	6.4	0	blocked	0.5	0.2	*20.9	0.2	12.8	0	17.2	6.3
1.4	1.4B	0	17.6	0	0.1	14.7	0	8	0.3	blocked	0.5	0.3	0.2	0.3	12.5	0	15.8	6.7
2.8	2.8A	0	0	0	0	0.1	0	0	0	0	0	0	0.2	0	0.1	0	**0	2.7
2.8	2.8B	2.4	15.4	2.3	plugged	*18.6	*8.7	20.8	20.8	blocked	blocked	blocked	blocked	blocked	blocked	blocked	blocked	blocked
5.6	5.6A	2.4	2.8	2.3	2.1	1.7	1.8	2.3	1.4	2.9	1.4	3.3	0.5	3.3	4.2	0.07	2.6	4.8
5.6	5.6B	2.3	1	2.3	2.1	1.7	1.8	2.3	1.4	3	1.4	3.4	0.5	3.4	3.9	0.07	3.7	4.8
10	10A	2.3	6.9	2.2	plugged	*4.4	*2	*2.4 to 17.4	20.9	8.4	5.1	9	10.1	9	5.9	6.1	7.3	blocked
10	10B	8.3	6.9	6.4	plugged	*7.5	*6.9	8.1	4.3	8.4	5.2	8.9	10.1	8.9	5.8	6.1	7.3	8.3
20	20	0.2	0	0	0	0	0	0	0	0.4	0.09	0	1.3	0	0.2	0.05	**0	6.1
30	30	14.9	0.4	4.4	2.7	0.7	4.9	0.2	0	14.3	1.3	4	14.5	4	0.4	Not recorded	**0	7.2

Notes : '*' indicates suspect value

-grey cells indicate monitoring points that were found to be plugged during February 2006 or subsequent monitoring

Location: **Faro**
Hole ID: **60M1**

	Date	20-Feb-03	7-Jun-03	16-Sep-03	27-Apr-04	7-Jun-04	30-Sep-04	19-May-05	16-Sep-05	27-Feb-06	26-May-06	22-Sep-06	26-Feb-07	25-May-07	10-Sep-07	10-Mar-08	1-Jun-08	18-Sep-08
Bead Depth (m)	Correction factor	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)
0.7	0	3.2	13.5	9.4	4.7	15	7.8	12.2	12.2	0.5	10.1	11.6	-1.2	10.9	13.1	3.4	12	10.4
1.4	-0.1	7.9	14.3	15.6	7.5	14.9	13.6	13.4	15.8	5.9	10.8	15.1	4.2	11	16.2	7.1	12.6	13.5
2.8	0.1	16.9	18.6	23	14.9	17.8	22.5	16.7	22.7	15.6	15.7	22.1	14	14.9	21.5	14.6	15.6	19.3
5.6	0	29.2	28.1	30.7	27.2	26.6	30.7	26.4	29.2	27.5	26.4	29	26.6	24.7	27.4	25.6	24.2	26.6
10	-0.1	41.8	41.3	40.6	40.1	39.8	39.3	39.2	38.4	38.8	38.4	37.8	38.1	37.4	36.5	36.5	35.7	36.2
20	0.1	49.1	49	48.8	48.2	48.1	48.3	49	48.7	48.7	48.8	48.4	47.7	47.6	47.1	45.9	45.6	47.3
30	-0.1	36	36.3	36.4	36.8	36.8	37.2	37.4	37.7	37.9	38	38.1	38.2	38.1	38.1	38.1	37.9	40.0
40	-0.1	24.2	24.6	24.9	25.5	35.6	25.9	26.3	26.6	27	27.2	27.5	27.8	27.9	28.1	28.4	28.4	28.9
60	-0.1	6.3	6.5	7	7	7.1	7.7	7.7	8.3	8.3	8.5	9.1	9	9.2	9.9	9.9	9.9	10.9

Location: **Faro**
Hole ID: **30M1**

	Date	20-Feb-03	7-Jun-03	16-Sep-03	27-Apr-04	7-Jun-04	30-Sep-04	19-May-05	16-Sep-05	27-Feb-06	26-May-06	22-Sep-06	26-Feb-07	25-May-07	10-Sep-07	10-Mar-08	1-Jun-08	18-Sep-08
Bead Depth (m)	Correction factor	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)
0.7	0.1	1.7	7.4	11.2	3.4	11.2	9.6	8.2	12.6	2.8	5.9	11.5	2.3	6.6	13.5	4.8	9.6	11.9
1.4	-0.1	4	7.2	12.9	5.4	12.9	12.3	7.8	13.8	5.1	6	13.2	4.8	6.5	14.7	6.8	9.2	13.5
2.8	0.1	8.5	8.5	14.5	9.4	14.5	15.6	10.3	16.1	10.4	9.6	16	10	9.6	16.5	11.3	11.4	15.9
5.6	0.1	17.3	16.8	18.6	18.3	18.6	20.1	19	20.4	19.9	19.1	20.7	20	19.2	20.7	20.4	19.9	21.8
10	-0.1	27	27.4	27.4	28.4	27.4	28	28.8	28.5	29.3	29.3	29.1	29.7	29.5	29.2	30	29.8	30.2
20	0.2	34.5	35.5	35.8	34.7	35.8	36	36.3	37.1	35.8	36	37.5	35.4	36.3	37.8	35.6	36.8	38.0
30	0	34.6	34.2	34.7	34.6	34.7	35.2	35	35.8	36.3	36.1	36.6	37.2	37	37.1	37.4	37.1	38.0

Location: Grum
Hole ID: 10M2 Outside PVC

Bead Depth (m)	Date / Correction factor	20-Feb-03 Corrected Temp (°C)	7-Jun-03 Corrected Temp (°C)	16-Sep-03 Corrected Temp (°C)	27-Apr-04 Corrected Temp (°C)	7-Jun-04 Corrected Temp (°C)	30-Sep-04 Corrected Temp (°C)	19-May-05 Corrected Temp (°C)	16-Sep-05 Corrected Temp (°C)	27-Feb-06 Corrected Temp (°C)
0.7	0.1	-4.8	5	4.1	-0.6	5.3	2.9	3.9	8.7	terminal box corroded
1.4	0.2	-0.2	-0.2	6.6	-0.3	-0.1	5.4	2.4	10	
2.8	0.2	1.2	0.3	6.2	0.7	0.5	6	1.6	8.3	
5.6	0	3	2	3.9	2.4	2.1	5.2	2.7	5.8	
10	0.1	3.3	3.1	2.9	3.3	3.2	3.1	3.8	4.4	

Location: Grum
Hole ID: 10M2 Inside PVC

Bead Depth (m)	Date / Correction factor	20-Feb-03 Corrected Temp (°C)	7-Jun-03 Corrected Temp (°C)	16-Sep-03 Corrected Temp (°C)	27-Apr-04 Corrected Temp (°C)	7-Jun-04 Corrected Temp (°C)	30-Sep-04 Corrected Temp (°C)	19-May-05 Corrected Temp (°C)	16-Sep-05 Corrected Temp (°C)	27-Feb-06 Corrected Temp (°C)	28-May-06 Corrected Temp (°C)	22-Sep-06 Corrected Temp (°C)	26-Feb-07 Corrected Temp (°C)	25-May-07 Corrected Temp (°C)	10-Sep-07 Corrected Temp (°C)	10-Mar-08 Corrected Temp (°C)	6-Jun-08 Corrected Temp (°C)	18-Sep-08 Corrected Temp (°C)
0.7	0.1	-3.3	3.7	4.9	Not recorded	3.6	3.2	2.3	7.6	-1.4	1.8	6.2	-2.8	1.7	8.8	-0.8	6	6.2
1.4	0.2	-0.3	-0.4	6.6	Not recorded	-0.3	5.1	0.7	8.2	0.1	0.4	6.8	-0.3	-0.1	8.7	0.1	3.6	6.6
2.8	0.2	1.2	0.3	6	Not recorded	0.6	6.6	1.4	7.8	1.8	1.2	7.1	1.4	0.9	7.3	1.6	1.8	6.6
5.6	0	3.1	2	3.8	Not recorded	2.1	5.1	2.6	5.1	3.5	2.6	4.9	3.2	2.4	4.1	3.3	2.5	4.7
10	0.1	3.4	3.1	3	Not recorded	3.2	3.1	3.7	3.6	4.1	4	3.8	4	4	3.7	4	3.9	3.7

Location: Grum
Hole ID: 10M3

Bead Depth (m)	Date / Correction factor	20-Feb-03 Corrected Temp (°C)	7-Jun-03 Corrected Temp (°C)	16-Sep-03 Corrected Temp (°C)	27-Apr-04 Corrected Temp (°C)	7-Jun-04 Corrected Temp (°C)	30-Sep-04 Corrected Temp (°C)	19-May-05 Corrected Temp (°C)	16-Sep-05 Corrected Temp (°C)	27-Feb-06 Corrected Temp (°C)	28-May-06 Corrected Temp (°C)	22-Sep-06 Corrected Temp (°C)	26-Feb-07 Corrected Temp (°C)	25-May-07 Corrected Temp (°C)	10-Sep-07 Corrected Temp (°C)	10-Mar-08 Corrected Temp (°C)	6-Jun-08 Corrected Temp (°C)	18-Sep-08 Corrected Temp (°C)
0.7	0.2	-4.9	6.1	6.5	-0.9	7.3	4.2	3.8	8.5	-7.5	2.2	7	-7.4	3	9.8	9.8	5.7	6.9
1.4	0.2	-1.9	2.1	7.9	-1	3	5.9	0.3	8.9	-3.6	-0.1	7.3	-4.2	0	9.7	9.7	1.9	7.3
2.8	0.2	1.1	0	6.8	0.2	0.3	7.1	0.9	8	0.7	0.2	6.7	0.4	0	7.3	7.3	0.4	6.6
5.6	0	3.8	2.2	4.8	2.6	2.2	5.8	2.6	5.3	3.4	2	4.5	3	1.7	4.1	4.1	2	4.7
10	0.1	5	4.6	4.3	4.5	4.3	4.3	4.7	4.5	4.9	4.5	4.1	4.4	4.2	3.9	3.9	4.1	4.0

Location: Grum
Hole ID: 30M3

Bead Depth (m)	Date / Correction factor	20-Feb-03 Corrected Temp (°C)	7-Jun-03 Corrected Temp (°C)	16-Sep-03 Corrected Temp (°C)	27-Apr-04 Corrected Temp (°C)	7-Jun-04 Corrected Temp (°C)	30-Sep-04 Corrected Temp (°C)	19-May-05 Corrected Temp (°C)	16-Sep-05 Corrected Temp (°C)	27-Feb-06 Corrected Temp (°C)	28-May-06 Corrected Temp (°C)	22-Sep-06 Corrected Temp (°C)	26-Feb-07 Corrected Temp (°C)	25-May-07 Corrected Temp (°C)	10-Sep-07 Corrected Temp (°C)	10-Mar-08 Corrected Temp (°C)	6-Jun-08 Corrected Temp (°C)	18-Sep-08 Corrected Temp (°C)
0.7	-0.1	-4.6	5.2	7	-1.3	5.5	4.6	3	8.1	-6.6	1.7	6.4	-7.9	2.3	9.4	-4.9	4.5	6.6
1.4	0	-1.4	1.8	8	-1	2.1	6.5	0.2	8.8	-2.4	0.3	7.1	-3.7	-0.2	9.7	-3	1.7	7.3
2.8	0.1	2	1	7.5	1.2	1.4	8	1.8	8.6	2.1	1.4	7.9	1.5	0.9	8.5	1.1	1.6	7.3
5.6	-0.1	6.1	4.7	6.9	5.4	4.7	7.8	5.1	7.6	6.4	5.1	7.4	6.3	5	7.3	6.3	5.1	7.3
10	0.1	9.8	9.4	9.6	10.3	9.3	9.5	10.1	10.2	10.8	10.4	10.3	10.7	10.8	10.6	11	10.5	10.4
20	0.1	11.8	12	11.8	12.3	12.2	12.2	12.3	12.2	12.3	12.7	12.5	12.5	13.1	13	12.9	12.9	12.9
30	0.1	10	9.9	9.8	10.1	10	10	10.3	10.1	10.4	10.5	10.4	10.6	10.9	10.8	11	11	10.9

Location: Vangorda
Hole ID: 10M4

	Date	20-Feb-03	7-Jun-03	16-Sep-03	27-Apr-04	7-Jun-04	30-Sep-04	19-May-05	16-Sep-05	27-Feb-06	28-May-06	22-Sep-06	26-Feb-07	25-May-07	10-Sep-07	10-Mar-08	6-Jun-08	18-Sep-08
Bead Depth (m)	Correction factor	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)
0.7	0.1	-0.7	13	10.2	3.3	14	6.8	10.5	12	-6.8	8.9	10	-6.7	8.6	12.8	-3.7	19	8.6
1.4	0	3.7	12.9	15.3	5.6	12.7	11.5	11.1	15.1	-0.9	8.6	12.5	-2.8	7.1	14.4	-2.4	8.5	10.4
2.8	0.2	7.5	12.7	18.4	9	12.2	15.3	11.5	18.5	3.8	9.8	15.3	0.9	7.4	15.6	0.2	6.9	12.4
5.6	-0.1	16.7	15.2	22.6	14.1	14.4	20.8	13.8	20.8	11.8	12.6	18.2	8.4	9.2	15.7	6.5	7.1	12.9
10	0	31.6	29.3	29.5	27	27.3	27.6	27.2	27.6	25.8	23.7	23.1	21	18.7	18.8	16.5	15.4	16.5

Location: Vangorda
Hole ID: 30M4

	Date	20-Feb-03	7-Jun-03	16-Sep-03	27-Apr-04	7-Jun-04	30-Sep-04	19-May-05	16-Sep-05	27-Feb-06	28-May-06	22-Sep-06	26-Feb-07	25-May-07	10-Sep-07	10-Mar-08	6-Jun-08	18-Sep-08
Bead Depth (m)	Correction factor	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)	Corrected Temp (°C)
0.7	-0.1	-5.3	8.6	7.4	-1.3	10.4	5.4	6.7	9.8	-6.6	5.6	8.3	-6.3	5.1	11.7	-3.4	8	8.2
1.4	0	-1.3	6	10.3	-0.6	7.2	8.2	5.4	11.4	-1.5	3.9	10.1	-2.3	3.2	12.9	-1.6	6.5	9.5
2.8	0	3.7	4.5	11.7	3.1	5.5	11.9	4.9	12.6	4	4	12.1	3.5	3.3	13	3.6	5.5	11.4
5.6	-0.1	11.7	9.9	12.5	10.7	10.2	14	10.8	13.4	12.1	10.7	13.5	11.9	10.4	13	11.9	10.7	13.5
10	-0.1	16	16	15.6	16.5	16.4	16.2	16.7	16.4	17.3	17.2	16.8	17.7	17.5	17	17.9	17.6	17.9
20	-0.2	17.3	17.6	17.6	18.4	18.5	18.5	18.9	19	19.4	19.7	18.8	20.4	20.4	20.7	21.2	21	21.8
30	0	13.5	13.8	13.8	14.7	14.7	15	15.7	15.8	16.3	16.5	16.5	17.1	17.3	17.4	17.9	18	18.6