HISTORY OF ESKAY CREEK MINE'S WASTE-ROCK DUMP FROM PLACEMENT TO DISSASSEMBLY

MEND Project 1.44.1

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History of Eskay Creek Mine's Waste-Rock Dump from Placement to Disassembly

for:

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NOTICE

This study is based on detailed technical information interpreted through standard and advanced chemical and geoscientific techniques available at this time. As with all geoscientific investigations, the findings are based on data collected at discrete points in time and location. In portions of this report, it has been necessary to infer information between and beyond the measured data points using established techniques and scientific judgement. In our opinion, this report contains the appropriate level of chemical and geoscientific information to reach the conclusions stated herein.

This study has been conducted in accordance with British Columbia provincial law as stated in the Engineers and Geoscientists Act and in the Applied Science Technologists and Technicians Act.

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TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

REPORT SUMMARY

This report documents the geochemical and physical characteristics of the Eskay Creek waste-rock dump, from its origin in underground workings in the early 1990's, to its disassembly and placement underwater in a nearby lake in 1995. The dump is a Type 2 mined-rock pile as defined by the MEND Waste-Rock Literature Review, meaning its is confined along its axis by valley walls which direct runoff into it. The objectives of this project, coinciding with the disassembly, were:

❶ to summarize geochemical characteristics of Eskay Creek waste rock,
❷ to describe the construction of the waste-rock dump,
❸ to record visually the disassembly of the waste-rock dump,
❹ to log visually and collect samples of selected cut faces of exposed waste rock,
❺ to visibly stain and examine small-scale flowpaths within the dump,
❻ to document the evolution of water chemistry in the dump area, prior to dump construction until after disassembly, and
❼ to examine the mass balance of acidity within the dump using two independent approaches

The chapters and appendices of the report present the findings and the data on which they are based. Some earlier data were reinterpreted for use in this report.

Static and kinetic geochemical tests on Eskay Creek rock showed that most rock was reactive and net acid generating, with some dependence on grain size. As a result, acidic drainage appeared within two years after dump construction began.

During disassembly, most of the dump was found to contain relatively fine-grained waste rock that limited infiltration, particularly at the surface. Nevertheless, infiltration did occur, sometimes enhanced by a single pebble embedded in the fine-grained layers. As is typical of Type 2 dumps, a creek often flowed into and through the dump, enhancing the flushing and removal of acidity and metals from the dump.

Almost a year after dump disassembly, acidic water around pH 4.7 was still draining from the watershed. Thus recovery to near-background concentrations will require more than one year.

Two independent mass-balance calculations for acidity in the dump provided similar estimates of acid generation: 220 and 530 t/yr. At these rates, all sulphide within the dump would have been consumed within 11-26 years.

Despite a significant amount of reactive neutralization potential within the dump, acidic drainage appeared within two years after the first rock was dumped. Mass-balance calculations indicated that only roughly 10-20% of total NP was consumed before acidic drainage began. This may be the result of physical factors like channelling or stratification within the dump, which was noted in another MEND study of an acid-generating waste-rock dump in British Columbia.

This study was sponsored by Homestake Canada Inc. on behalf of the Canadian MEND Program. It is another case study in the MEND series on waste-rock dumps.

1. Introduction and Objectives

A minesite can consist of several components, such as pits and underground workings, tailings impoundments, waste-rock dumps, ore stockpiles, and roads. Each of these components shares some similarities, while differing in other ways. The Canadian Mine Environment Neutral Drainage (MEND) Program has sponsored many studies pertaining to all types of minesite components in Canada. This report is another contribution on waste-rock dumps.

MEND's first major step in investigating and characterizing waste-rock dumps began with a critical review of published literature around the world (Morin et al., 1991). This review discussed the physical, chemical, and biological effects on the solid, liquid, and gaseous phases within dumps. Since that time, various field studies have been conducted on behalf of MEND. For example, the South Dump at Mine Doyon in Quebec was the subject of several studies as summarized in Gélinas et al. (1994). In British Columbia, detailed studies have been published on waste-rock dumps at BHP Canada's Island Copper Mine (Morin et al., 1994a and 1995a), Westmin Resources' Myra Falls Operations (Morin et al., 1994b), and Noranda's Bell Mine (Morin et al., 1994c and 1995b).

The internal features of waste-rock dumps, such as stratigraphy and pathways of water movement, are known to be complex on a small scale (Morin et al., 1991; Smith et al., 1995; Gélinas et al., 1994; Morin and Hutt, 1997a). Therefore, detailed monitoring of physical, chemical, and biological processes operating within waste-rock dumps would require an enormous monitoring network to capture all small-scale behaviour. Instead, the realization has evolved that economically viable internal investigations of waste-rock dumps must often await disassembly of dumps.

Because of the high costs involved in disassembling a dump, there have been no detailed investigations conducted solely for the purpose of research. Instead, technical studies to date have coincided with disassemblies performed for cost-effective environmental protection and reclamation. Based on known reports, the currently available studies are: the waste-rock dump at Eskay Creek Mine in British Columbia (this report), the South Dump at Golden Sunlight Mines in Montana (Herasymuik et al., 1995), the North West Dump at Island Copper Mine in British Columbia (I. Horne, Island Copper, personal communication), and the waste-rock dump at the Whistle Mine in Ontario (MEND, personal communication).

Eskay Creek Mine is located 83 km north of Stewart, British Columbia. The mine is owned by Prime Resources Group Inc. (Prime Resources, 1994). Homestake Canada owns 50.6% of Prime Resources and is the contracted operator. Gold and silver are the primary target metals. The ore is mined through underground workings at a rate of approximately 300 metric tonnes a day. Mine life is approximately 10 years.

In 1994, Prime Resources and Homestake Canada decided to disassemble the waste-rock dump near the upper portal at Eskay Creek Mine and place the waste rock underwater in a nearby

lake. Most of the disassembly took place in 1995. The objectives of this study, coinciding with the disassembly, were:

❶ to summarize geochemical characteristics of Eskay Creek waste rock,
❷ to describe the construction of the waste-rock dump,
❸ to record visually the disassembly of the waste-rock dump,
❹ to log visually and collect samples of selected cut faces of exposed waste rock,
❺ to visibly stain and examine small-scale flowpaths within the dump,
❻ to document the evolution of water chemistry in the dump area, prior to dump construction until after disassembly, and
❼ to examine the mass balance of acidity within the dump using two independent approaches

The following chapters and appendices present the results of this work.

2. Characterization of Waste Rock at Eskay Creek

Economic metals at Eskay Creek are high-grade gold- and silver-bearing base-metal sulphides, primarily sphalerite, tetrahedrite, pyrite, and galena (Prime Resources, 1994). This mineralization lies within a contact zone dipping approximately 45° west. Upper (hanging wall) strata consist of a highly carbonaceous mudstone and a rhyolite-mudstone breccia. Lower (footwall) strata are rhyolite and dacite.

2.1 Rock Units

Detailed geochemical characterization of Eskay Creek waste rock was conducted by T.W. Higgs Associates Ltd. [Higgs] (1993). Higgs examined five basic rock types:

❶ hanging-wall (H/W) andesite,
❷ hanging-wall (H/W) argillite (or mudstone),
❸ contact zone,
❹ footwall (F/W) rhyolite, and
❺ dacite.

In the field, both the argillite and rhyolite can be hard and indurated to clayey. Rhyolite is grey in colour, whereas mudstone is black.

2.2 Acid-Base Accounting (ABA)

Acid-base accounting (ABA) is a specialized chemical analysis that determines the net balance of acid-generating and acid-neutralizing minerals. In its basic form, ABA includes analyses for (1) total sulphur which is mathematically converted to Total Acid Potential (TAP = %S total * 31.25), (2) neutralization potential (NP) based on a hot acid bath, and (3) paste pH taken on a mixture of distilled water and pulverized sample. TAP and NP are typically expressed in units of tonnes of $CaCO_3$ equivalent/1000 t of sample. Net balances can then be calculated: Total Net Neutralization Potential (TNNP) = NP - TAP, and Total Net Potential Ratio (TNPR) = NP/TAP. Values of TNNP less than roughly +10 t/1000 t and values of TNPR less than 1.0-2.0 are often considered net acid generating. Paste pH below 5-6 indicates net acid generation has already occurred within a sample, and any measured NP is unreactive.

The expanded form of ABA includes sulphur species so that Sulphide Acid Potential (SAP) can be substituted for the TAP, allowing the calculation of SNNP and SNPR net balances. The expanded form also includes a measurement of CO_2 content, based on CO_2 evolution in an acid soak, from which Carbonate NP (CaNP) can be calculated. This reveals the percentage of measured NP composed of fast-reacting carbonate minerals.

2.2.1 Samples for ABA

Acid-base accounting (ABA) was conducted on 191 drill-core samples (Higgs, 1993), using the standard EPA 600 method (Sobek et al., 1978). The expanded version of ABA, which includes sulphur species and carbonate content, was not used for drill core. Results are available for 60 H/W andesite samples, 32 H/W argillite samples, 23 contact zone samples, 69 F/W rhyolite samples, and 7 dacite samples (Appendix A1).

During underground exploration, an additional 184 samples were also submitted for ABA (Higgs, 1993). Results are available for 7 andesite samples, 13 argillite samples, 134 rhyolite samples, and 30 dacite samples (Appendix A1). These samples were collected from walls of the exploration decline at 8-10 m intervals (3 m intervals for argillite). Higgs (1993) also provided a third set of five ABA analyses for ore (Appendix A1).

In February 1992, a fourth ABA dataset was generated to better characterize potential waste rock (end of Appendix A1). For this set, Higgs (1993) reported expanded ABA results for 4 samples of H/W "mudstone" (formerly "argillite") and 34 samples of rhyolite subdivided into "rhyolite flow" (2 samples), "rhyolite massive" (2 samples), and "rhyolite breccia" (30 samples). By this time, rhyolite breccia had become a primary concern for acidic drainage.

A fifth set of ABA analyses of the expanded type was provided by the British Columbia Ministry of Employment and Investment, Energy and Minerals Division, as part of a government research study (Appendix E2, B. Price, personal communication, 1996). The samples were sieved subsamples of the vertical profiles taken during dump disassembly (Section 5.2).

2.2.2 Results of ABA

ABA results tabulated by rock unit show that all units have at least some proportion of net-acid-generating material (Appendix A1), based on some negative values of TNNP and values below 1.0 for TNPR. Additionally, the large standard deviations and ranges of minimum to maximum TNNP values highlight the large variability of TNNP in all units. Therefore, the identification of rock units is not critical in assessing and predicting net acid generation in Eskay Creek waste rock.

Scatterplots of ABA parameters in Appendix A2 reveal important correlations for assessing and understanding acid generation at Eskay Creek. Total sulphur and sulphide are mostly equivalent in all samples, meaning that total sulphur is an acceptable substitute estimator of Sulphide Acid Potential (Section 2.2.1). This is important for Eskay Creek since most ABAs (Appendix A1) only included total sulphur. As noted at other minesites, there is little correlation of total sulphur with NP (scatterplot in Appendix A2), indicating these two parameters are independent variables requiring separate measurement and interpretation.

The scatterplots of paste pH and NP in Appendix A2 show that paste pH falls toward acidic values as NP decreases. The point at which measured NP no longer neutralizes acidity is considered "unavailable NP" (Morin and Hutt, 1997a), which is around 15 t $CaCO_3$/1000 t for Eskay Creek rock. As a result, this value of unavailable NP should be subtracted from measured NP to obtain a more realistic estimate of reactive NP.

The scatterplot of NP and CaNP in Appendix A2 reveals three groups of datapoints. The first contains samples from the vertical profiles from the dump disassembly (Section 5.2) which have nearly equal amounts of NP and CaNP. Consequently, the NP in this grouping primarily represents carbonate minerals that are fully available and reactive. The samples in this first grouping are from the shallowest portions of Profiles #1 and #4 which are relatively fine grained and grey to black in colour (Appendix E1).

The second, dominant group consists of primarily rhyolite breccia and samples from the profiles. They have virtually no CaNP and variable amounts of NP including negative amounts (net acidity). As a result, for other than finer-grained, grey surface layers in the dump, most of the rock has no CaNP accompanied by variable and often low NP. Because an unavailable NP of 15 t/1000 t should be subtracted from the measured NP, many of these samples have little to no reactive NP.

The third group contains a few samples of mudstone H/W, massive rhyolite, and rhyolite flow. In these samples, CaNP is approximately 1/10 of NP, indicating most of the NP is derived from non-carbonate minerals.

The scatterplot of paste pH and TNNP in Appendix A2 shows that acidic values of pH (pH < 6.0) are encountered only at or below a TNNP value of 0 (zero) t/1000 t. It also shows that most samples are below zero and are thus expected to generate net acidity at some point.

Because some excess of NP is usually required and because unavailable NP for Eskay Creek rock is as high as 15 t/1000 t, a reasonable TNNP criterion would be +15 t/1000 t. In other words, any TNNP value less than this would be expected to become net acid generating at some point. This appears to be a minor point since most samples are less than zero anyway.

The scatterplot of TNNP and TNPR confirms that the two measurements of net balance are generally equivalent, with a TNPR criterion of 1.0-2.0 comparable to a TNNP of +15 t/1000 t. The TNPR criterion is discussed further in Section 2.3.

2.3 Kinetic Tests

In order to characterize the geochemical evolution of various rock units, Higgs (1993) reported data and results for 15 humidity cells (Appendix B). By rock unit, two cells contained H/W

andesite, two cells contained H/W argillite, two cells contained contact zone, two cells contained F/W rhyolite, two cells contained rhyolite breccia, and five cells contained ore.

The results of these various kinetic tests were reinterpreted here to obtain unit-weight reaction rates for acid generation, acid neutralization, and metal leaching (Appendix B), and rates for a few parameters are compiled in Table 2-1. The "late-stage" rates are obtained by averaging values from the last five weeks of testing, and are used as estimates of long-term stable rates. They will be used later to compare laboratory-based conclusions to field-based observations (Chapter 7).

When compared to kinetic tests from other mines in the International Kinetic Database (IKD: Morin et al., 1996, 1995c, and 1995d; Morin and Hutt, 1997a), sulphide-oxidation (sulphate-production) rates from Eskay Creek cells are among the highest in their pH ranges. On an absolute scale, they mostly fall in the High to Very High Categories (Figure 2-1).

As explained in Sections 2.2.1 and 2.2.2, a preliminary TNPR criterion of 1.0-2.0 is typically used to differentiate net-acid-generating and net-acid-neutralizing samples. This criterion is refined to a smaller range using carbonate molar ratios from humidity cells (Morin and Hutt, 1994; Morin and Hutt, 1997a). The Eskay Creek cells at near-neutral pH (Table 2-1 and Figure 2-1) typically have carbonate molar ratios around 1.0-1.2, meaning that any Eskay Creek sample with a TNPR value less than 1.0-1.2 (after the unavailable NP is subtracted) is expected to be net acid generating. However, because most samples have TNPR values less than 1.0, this refinement in the criterion is not critical to overall predictions.

TABLE 2-1
Summary of Late-Stage Data from 15 Humidity Cells[1]

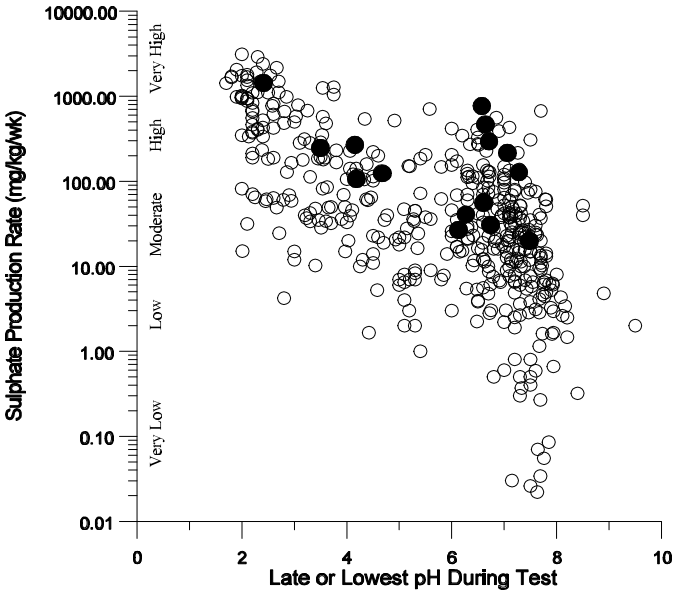
Cell	Avg. pH	Carbonate Molar Ratio	Late-Stage Rate (mg/kg/wk)[1]			
			SO_4	Carbonate NP	Cu	Zn
Comp#1 Andesite: Worst-Case TNNP	4.18	0.893	130	94	0.055	0.57
Comp#2 Andesite: Mean TNNP	7.48	1.56	20	36	0.007	0.006
Comp#3 H/W Argillite: Worst-Case TNNP	4.15	0.97	270	290	0.054	0.62
Comp#4 H/W Argillite: Mean TNNP	7.28	1.13	130	150	0.012	0.02
Comp#5 Contact Zone: Worst-Case TNNP	4.67	1.13	130	150	0.011	0.14
Comp#6 Contact Zone: Mean TNNP	6.61	1.19	56	70	0.012	0.10
Comp#7 Rhyolite: Worst-Case TNNP	6.74	1.10	31	38	0.0067	0.072
Comp#8 Rhyolite: Mean TNNP	6.13	1.13	27	31	0.0043	0.12
Rhyolite Breccia: Worst-Case TNNP	2.41	0.17	1400	240	0.39	32.2
Rhyolite Breccia: Mean TNNP	3.49	0.98	250	250	0.041	0.22
Ore - Type 1	6.57	0.90	770	730	0.17	6.1
Ore - Type 2	6.71	0.94	290	290	0.039	13.2
Ore - Type 3	7.06	1.10	220	250	0.012	2.4
Ore - Type 4	6.64	0.92	470	440	0.016	11.2
Ore - Type 5	6.27	0.95	41	41	0.0096	7.4

[1] Late-stage data represents the average of the last five weeks of testing, taken from Appendix B

International Kinetic Database

(462 kinetic tests from 63 mines)

A) Sulphate Production Rate vs. Late/Lowest pH During Test
(Solid circles are Eskay Creek Cells)



B) Carbonate Molar Ratio vs. Late/Lowest pH During Test
(Solid circles are Eskay Creek Cells)

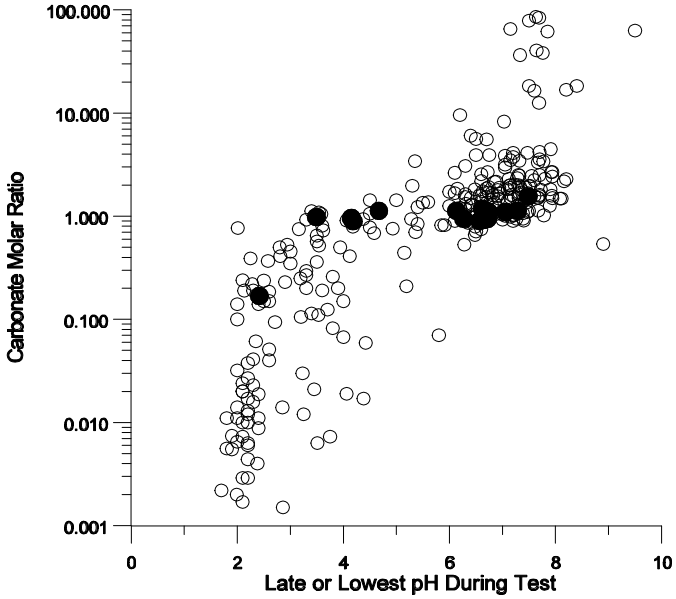


FIGURE 2-1. Comparison of Eskay Creek Cells to the International Kinetic Database.

3. Placement of Waste Rock and Construction of the Eskay Creek Dump

The Eskay Creek waste-rock dump is a Type 2 dump as defined by Morin et al. (1991). Such dumps reside entirely in valleys and thus valley-wall runoff and basal creek flow are directed into and through the waste rock. Interviews with staff of Prime Resources and Homestake Canada, and a general diagram in Eskay Creek files (Figure 3-1), led to the following synopsis of construction for this dump.

The waste-rock dump, built in the early 1990's, is elongated in the northeast-southwest direction (Figure 3-1 and Appendix G). The entire footprint of the dump is approximately 350 m by an average of 80 m. However, the approximate elevation of the northeast half was roughly 923 m (same as the upper portal), whereas the southwestern half was several meters higher. Water drained toward the northeast. The greatest volume of waste rock was in the southwestern half, although its thickness decreased significantly at the southwestern edge.

In the summer of 1990, an acid-neutralizing basal pad of dacite (Section 2.1 and 2.2) was placed at the bottom of the small valley. The waste rock was then dumped and dozed as necessary. The first 30 m length of waste rock mined from the workings was already oxidized and this rock was likely placed directly over the dacite pad. The sericitic (clay-rich) rock of argillite and rhyolite was observed to form tight sealing layers in the dump.

Eventually waste rock was dumped outside the dacite-pad perimeter due to unanticipated volumes. In particular, waste rock was placed adjacent to the creek or "meltwater channel" (Figure 3-1) along the northwest side of the valley. This creek, with flows up to 8000 L/min, then occasionally flowed into and through the waste rock, aiding the flushing and transport of acidity and metals (Chapters 4 and 7).

A high point of bedrock or “bedrock knob” (not shown on the original map, but added to Figure 3-1; see also Appendix G) bifurcates the waste rock near the buried "ore stockpile". Because there are no pre-dump topographic maps, the volume and tonnage of waste rock cannot be estimated well. Nevertheless, disassembly revealed that approximately 100,000 t was placed in the early 1990's.

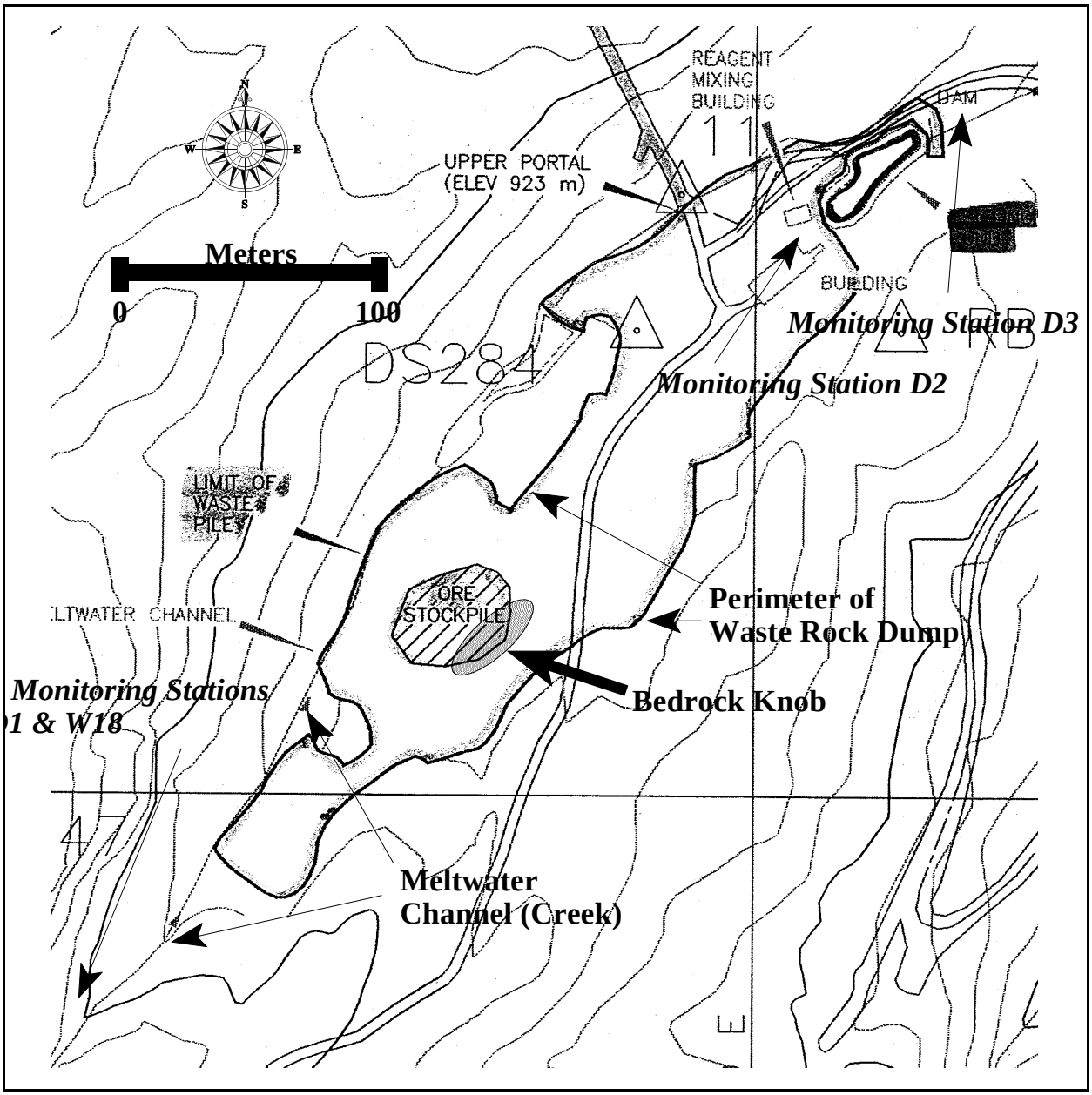


FIGURE 3-1. Map of the Eskay Creek Waste-Rock Dump (from Prime Resources files); contour interval 10 m.

4. Characterization of Dump Drainage Prior to Disassembly

Interviews with Prime Resources staff indicated the basal dacite pad located under a portion of the dump (Section 3) was intended to neutralize acidic drainage through its NP (Section 2.2.2 and Appendix A1). From 1990 to the summer of 1992, the dump drainage was reportedly neutral. However, by the fall of 1991, as precipitation increased and diverted flows from the adjacent creek (Section 3) began increasing, pH reportedly began fluctuating between 7 and 3. No correlation was noted between pH and flow. This transient behaviour during a wet season and the lack of correlation with flow have also been noted at Island Copper Mine (Morin et al., 1995a) and elsewhere (Morin and Hutt, 1997a). By winter, drainage pH from the dump had reportedly stabilized and remained around 3. Collection and treatment of the acidic drainage were implemented.

Homestake Canada supplied all available monitoring data for Stations D1, D2, D3, and D7 (Table 4-1). In agreement with the preceding description of drainage chemistry, the data indicated that the waste-rock drainage at D2 did become acidic in 1992 and that pH did not remain consistently acidic (Figure 4-1).

TABLE 4-1
Eskay Creek Sampling Stations Relevant to Dump Disassembly
(see also Figure 3-1)

Station	Description
D1 & W18	Meltwater channel upstream of (unaffected by) dump
D2	Drainage from waste rock dump toward treatment system
D3	Effluent from hydroxide treatment system
D7	Drainage from lower portal (mining-affected drainage like D2)

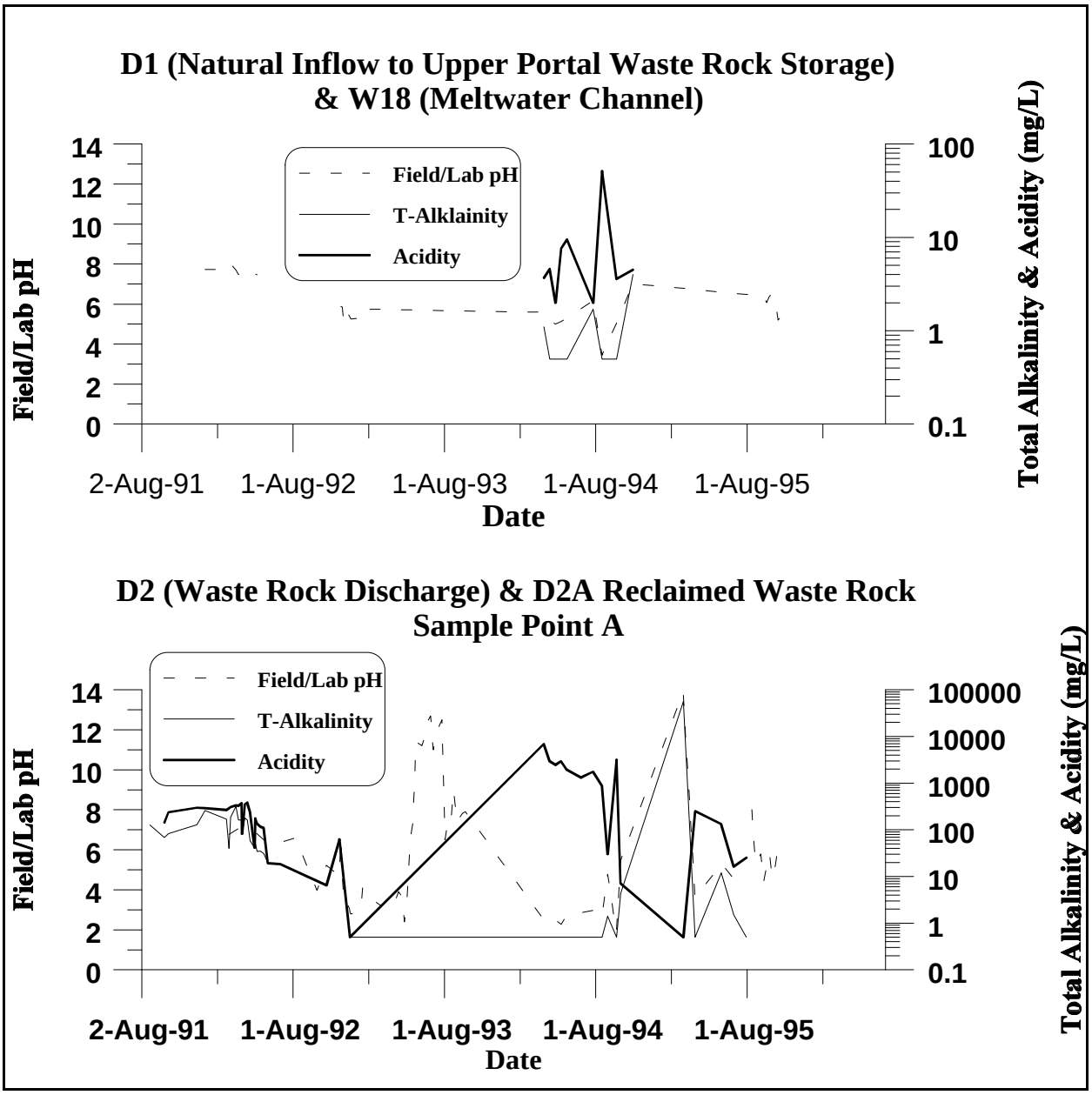


FIGURE 4-1. Temporal Trends of pH, Acidity, and Alkalinity at (a) Stations D1 and W18 (upstream of dump) and (b) Station D2 and D2A (data provided by Homestake Canada).

The historical monitoring data particularly for pH contain some inconsistencies: (1) pH was only measured occasionally compared to acidity and alkalinity, and was frequently reported as a lab pH, (2) acidity was always greater than alkalinity indicating net acidic conditions, except for exactly equal values of alkalinity and acidity when pH was reported, and (3) alkalinity values were sometimes anomalous relative to the reported pH. Nevertheless, if the monitoring data are correct, pH rose toward alkaline values during spring snowmelt, which would reflect the higher background flow and alkalinity loading during this time. However, in light of the discrepancies, some trends and interpretations are uncertain.

Under the assumption that data from mining-affected stations are reasonably accurate, an empirical drainage-chemistry model (EDCM) was constructed (Appendix C). This model is used to summarize past chemistry and to identify the chemical trends that the dump's watershed may follow as it recovers after waste-rock removal (Chapter 6). The techniques used to build the EDCM are discussed in Morin et al. (1994c and 1995a), Morin and Hutt (1997a), and Norecol, Dames and Moore (1996). However, the techniques were adjusted for Eskay Creek, because (1) rarely were both lab and field pH measured (field pH was used when available), so all pH data were combined into one variable labelled "field/lab pH" and (2) D1 and W18 were not included in the statistical calculations of Appendix C because they do not reflect mining-affected waters.

The empirical drainage-chemistry model for Eskay Creek (Table 4-2) confirms the concentrations of several metals are pH dependent. This simplifies the assessment and prediction of drainage chemistry primarily to pH trends. For example, a pH of 3 would be associated with the average annual chemistry in Table 4-3, although significant seasonal fluctuations around the average-annual chemistry would occur. However, as explained by Norecol, Dames and Moore (1996), the Eskay Creek database does not contain sufficient analyses to provide accurate averages and seasonal fluctuations. Therefore, Tables 4-2 and 4-3 should be used only as general indicators of drainage chemistry at Eskay Creek.

TABLE 4-2
Empirical Drainage-Chemistry Model for Eskay Creek Mine
(see Appendix C)

Parameter[1]	pH range[2]	Best-Fit Equation	log(Std Deviation)
Specific Conductivity	pH < 3.5	log(Cond) = -1.02pH + 6.22	0.528
	3.5 ≤ pH ≤ 9.0	log(Cond) = +2.65 (constant)	
Alkalinity	4.5 ≤ pH ≤ 9.0	log(Alk) = +0.548pH - 1.93	0.392
Acidity	pH ≤ 9.0	log(Acid) = -0.632pH + 4.93	1.23
Arsenic	pH ≤ 9.0	log(As) = -0.746pH + 2.13	0.852
Calcium	pH ≤ 9.0	log(Ca) = -0.227pH + 2.99	0.297
Cadmium	pH ≤ 9.0	log(Cd) = -0.714pH + 1.33	0.573
Cobalt	pH ≤ 9.0	log(Co) = -0.566pH + 0.984	0.434
Copper	pH < 5.0	log(Cu) = -0.976pH + 3.67	0.705
	5.0 ≤ pH ≤ 9.0	log(Cu) = -0.618pH + 1.88	
Iron	pH < 3.5	log(Fe) = -1.398pH + 6.36	0.592
	3.5 ≤ pH ≤ 9.0	log(Fe) = -0.572pH + 3.47	
Nickel	pH ≤ 9.0	log(Ni) = -0.690pH + 2.23	0.572
Lead	pH ≤ 9.0	log(Ni) = -0.488pH + 0.800	0.815
Antimony	any	log(Sb) = +0.323pH - 3.00	0.758
Zinc	pH ≤ 9.0	log(Zn) = -0.825pH + 4.19	0.739

[1] To maximize datapoints, total concentrations were used whenever dissolved concentrations were not available

[2] To maximize datapoints, laboratory pH was used whenever field pH was not available

TABLE 4-3
Average Annual Drainage Chemistry at pH 3

Parameter	Average Annual Concentration (mg/L)[1]	Parameter	Average Annual Concentration (mg/L)[1]
Specific Conductivity	1450	Alkalinity	0
Acidity	1080	Arsenic	0.780
Calcium	204	Cadmium	0.154
Cobalt	0.193	Copper	5.52
Iron	147	Nickel	1.45
Lead	0.217	Antimony	0.0093
Zinc	51.9		

[1] Based on best-fit equations in Table 4-2 with pH 3.

5. Characterization of Rock During Disassembly

Disassembly of the Eskay Creek dump began in 1994 and waste rock was transported by dump truck to a nearby lake. Due to retained acidity in the waste rock (Section 5.1), lime was added to the loads of waste rock to neutralize it. Initially, too much lime was added and the amount was reduced. By the time poor weather halted the disassembly in 1994, only an estimated 3000-4000 t had been moved to the lake.

In 1995, disassembly resumed in early May and continued until August. A combined total of approximately 100,000 t of waste rock was excavated in 1994 and 1995.

For this study, there were two site visits by the authors in mid May and late June of 1995, each consisting of two days. These visits allowed interviews with Eskay Creek staff, collection of background data (e.g., Section 5.1), various in-field tests (Sections 5.2 and 5.3), and photographs (Appendix G).

5.1 Rinse pH and Lime Addition during Disassembly

Because the waste rock retained some acidity and metals, Prime Resources realized that the acidity had to be neutralized before placing and thus rinsing the waste rock in the nearby lake. To accomplish this, lime in 50-lb. bags was added to every truck load as needed (Figure 5-1), based on a laboratory-determined empirical relationship between rinse pH and required lime. As a result, rinse pH of the excavated rock was measured dozens of times a day (Appendix D).

In 1994, rinse pH was measured at the top, middle, and bottom of each newly exposed face of waste rock during disassembly. In 1995, rinse pH was measured at the top, middle, and bottom of each excavated pile of rock, but only the average value was recorded. Rinse pH was measured upon adding several liters of water to several kg of waste rock (grab samples) in a large pail. The locations at

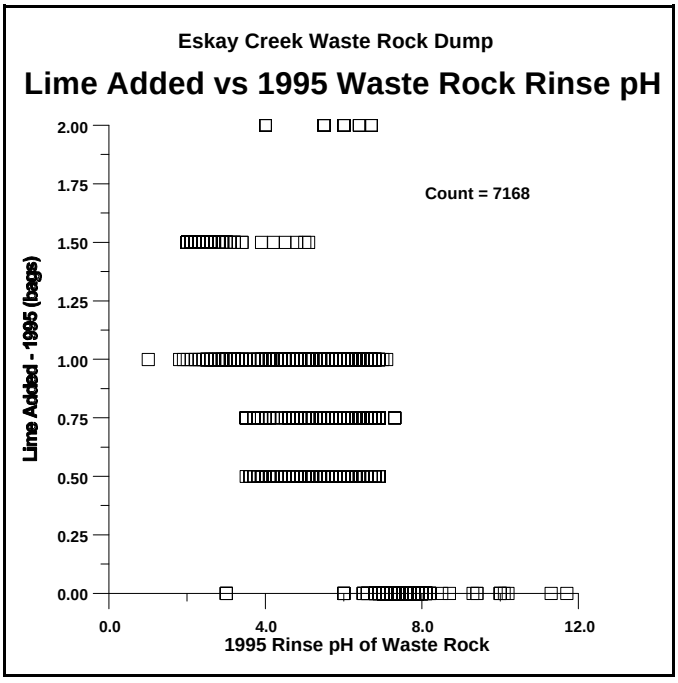


FIGURE 5-1. Bags of Lime Added Per Truckload of Waste Rock Based on Rinse pH in 1995.

which these pH values were measured were not recorded. However, the temporal trends in the values reveal the frequency with which acidic and neutral rock was encountered during disassembly (Figures 5-2 and 5-3).

The 1994 data showed that similar trends in rinse pH were found at all three locations on the waste-rock faces (Figure 5-2; values above 10 probably reflect cross-contamination with lime). As a result, the severity of the retained acidity was relatively constant throughout a vertical profile. However, significant fluctuations in pH were encountered almost on a daily basis, and occasional weeks of predominantly acidic or neutral conditions occurred. Again, this could not be correlated with location, because location was not recorded.

In 1995, the averaged values showed similar trends and behaviour as the 1994 data (Figure 5-3). Consequently, there were no extensive areas of acidic or neutral rock, and thus many portions of the dump apparently contributed to the acidity and metals found in the drainage.

5.2 Vertical Profiles of Exposed Faces

Detailed visual logging of four vertical profiles were conducted during disassembly (Appendix E1). Additional profiles were not warranted due to the relatively consistent layering within the dump. Strata ranged in grain size from silt to gravel, demonstrating that this dump was relatively fine grained compared to other, "hard-rock" dumps in British Columbia. In most locations where waste-rock thickness exceeded roughly 1.5 m, a well compacted shallow layer of silt (grey rhyolite or black argillite) was observed (Appendix G). In locations of minimal thickness, the waste rock was often coarser. This stratigraphy affected the results of the paint-flush testwork (Section 5.3).

Selected intervals from Profiles #1, #3, and #4 (Appendix E1) were sieved into discrete grain-size ranges, namely >19 mm, 11-19 mm, 2-11 mm, <2 mm, and < 50 μm as part of a British Columbia government research study (Ministry of Employment and Investment [MEI], B. Price, personal communication, 1996). These subsamples were then analyzed for ABA, total-metal contents, whole-rock composition, and chemical extractions (Appendix E2). Later, MEI indicated the <50 μm fraction may have been "contaminated with CBD" and the chemical extraction "data is suspect". ABA results were already discussed in Section 2.2.2 and shown in Appendix A2, in the context of a general assessment for all Eskay Creek rock.

The analytical results are graphically portrayed against grain size in Appendices E3 (ABA parameters), E4 (whole-rock composition), and E5 (total-metal contents). Many of the graphs for Profile #1 (Appendices E3.1, E4.1, and E5.1) mimic those of the other profiles, so only Profile #1 is discussed in detail here.

For ABA of Profile #1 (Appendix E3.1), levels of sulphide and leachable sulphate generally

increase with decreasing grain size. In conjunction with minimal NP in all but the shallowest sample, this shows that acid potential tends to be more concentrated in the finer grains. In agreement, TNNP (Section 2.2) tends to decrease with decreasing grain size.

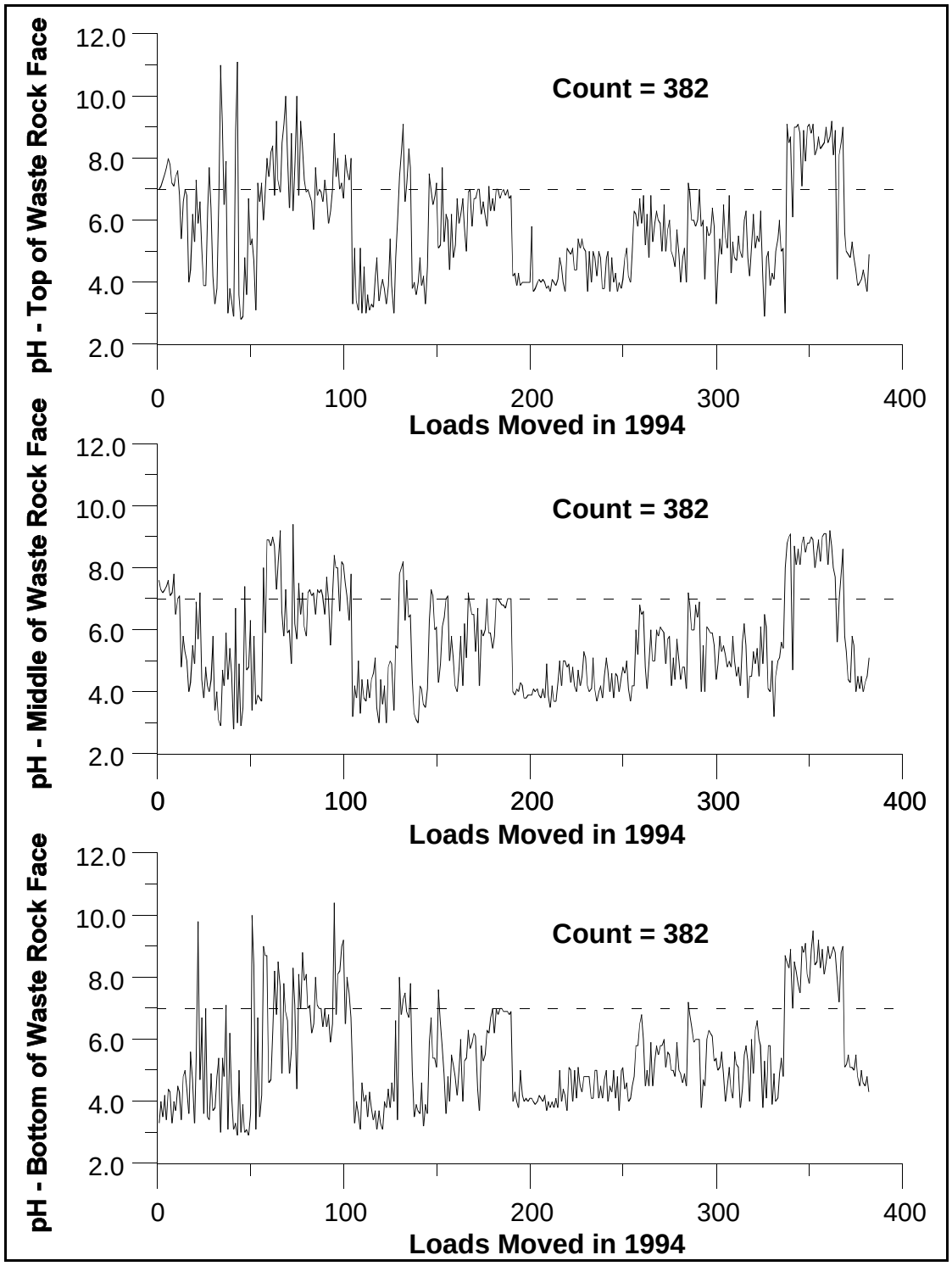


FIGURE 5-2. Rinse pH from Top, Middle, and Bottom of Waste-Rock Face in 1994.

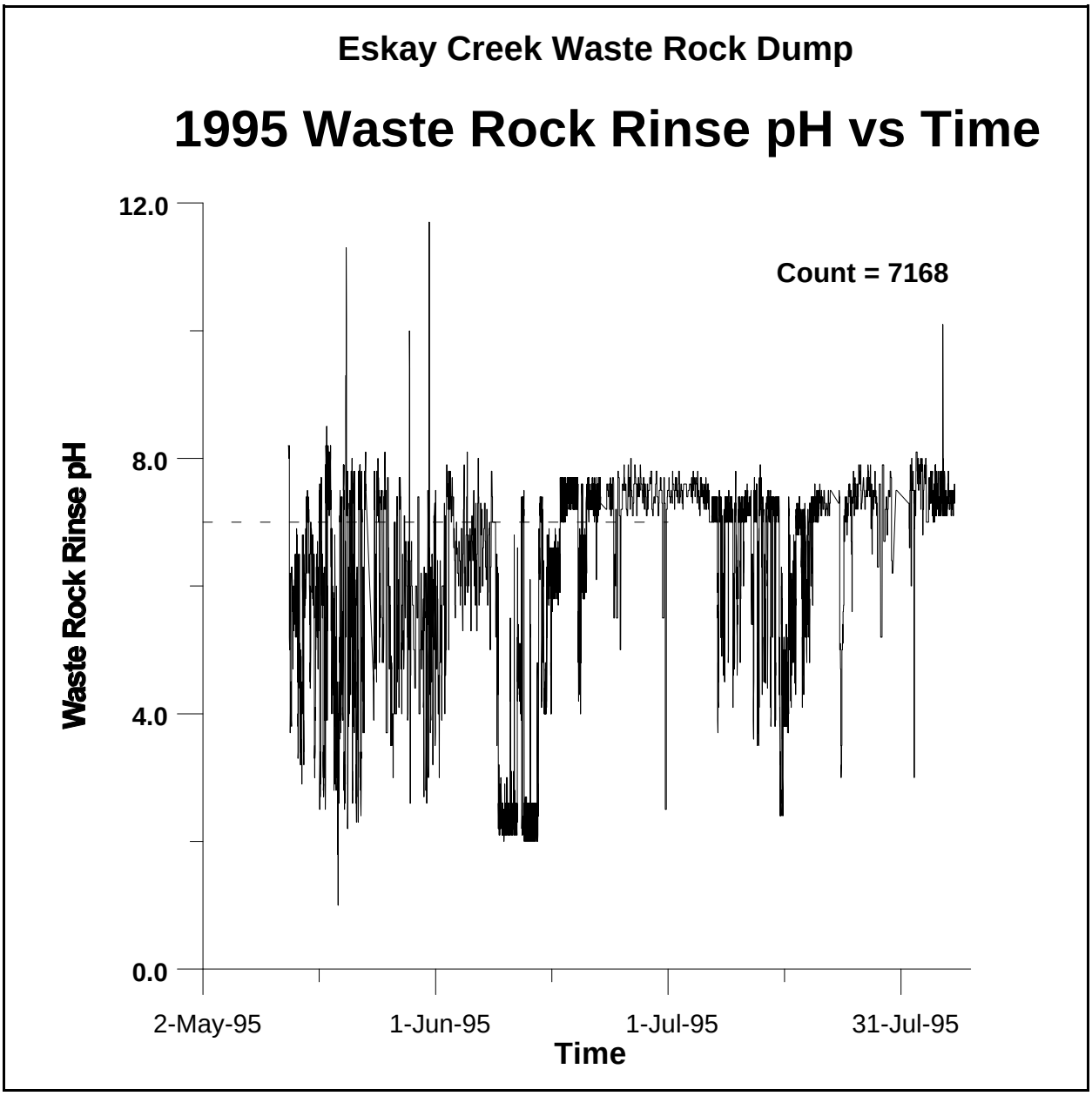


FIGURE 5-3. Average Rinse pH from Excavated Waste Rock in 1995.

Interestingly, the grain-size ranges from the shallowest sample in Profile #1 (0-10 cm) are net acid neutralizing, except for <2 mm which is net acid generating (Appendix E3.1). However, on a whole, weighted basis, any net acidity in this sample would be neutralized by the more abundant NP.

The decreasing paste pH with increasing depth in Profile #1 (Appendix E3.1) can be explained by either of two processes: (1) the more abundant sulphide in the finer sizes may be more reactive and generating more acidity or (2) the abundant NP in the shallowest sample provides neutralization through infiltration, which is progressively consumed with depth. However, the second process cannot explain Profile #4 (Appendix E3.3), which also has the highest NP in the shallowest layer, but the second shallowest sample has the lowest pH.

For whole-rock composition in Profile #1 (Appendix E4.1), expressed as oxide equivalents, aluminum and potassium increase, and silica decreases, with decreasing grain size. This suggests that quartz is more concentrated in coarser grains and aluminosilicates like potassium feldspar are more concentrated in the finer grains. Mineralogical data to confirm this are not available (B. Price, personal communication, 1996).

Calcium from whole-rock composition (Appendix E4.1) in the shallowest sample decreases with decreasing grain size, in agreement with NP as discussed in the previous paragraphs (Appendix E3.1). Barium and loss-on-ignition (LOI) show increasing levels with decreasing grain size, presumably reflecting increasing gypsum and barite content in the finer, higher-sulphide, and apparently more reactive ranges. Based on total-metal contents in Profile #1 (Appendix E5.1), other metals displaying increasing levels with decreasing grain size are: arsenic, copper, lead, and antimony, which is also observed in the other profiles (Appendices E5.2 and E5.3). In contrast, cobalt decreases in concentration. Most other metals show no trend, or variable levels, with size.

Leaching, or extraction, of metals was examined on the sieved subsamples of the profiles to determine the mineralogy controlling metal release. Extractions were performed on fresh subsamples, rather than sequentially (B. Price, personal communication, 1996), using (1) water as an indicator of readily leached metals, (2) CBD to reveal metals associated with iron hydroxides, (3) 0.1 N HCl to indicate metals leached or dissolved in weakly acidic waters, and (4) HCl and HNO_3 to identify metals leached in strongly acidic waters. Results for Profiles #1, #3, and #4 (Appendices E6.1 to E6.3) show that many metals were associated with more than one extraction technique (Table 5-1). Only a few metals were often leached predominantly in one solution: cadmium and cobalt in water, and barium in CBD. This contrasts with the typical association of these metals with carbonates, sulphates, and oxides.

Because of suspected CBD contamination of the <50 μm fraction and suspect metal extractions in the B.C. government (MEI) data for individual grain sizes, some of the preceding observations may not be valid. In fact, for its data (Appendix E2), MEI concluded that “other interpretations are possible and probable” (B. Price, personal communication, 1997) with no

alternative interpretations offered.

TABLE 5-1
Metals Appearing at Significant Levels in Extraction Tests
(see Appendices E2 and E6)

Extraction Solution	Metals at Significant Levels
Water	Al*, As*, Ca*, Cd, Co, Cu*, Fe*, Mg*,Mn*, Mo*, Ni*, K*, Si*, Na*, Zn*
CBD (ferric oxides)	As*, Ba, Ca*, Fe*, Pb*, Mo*, Si*, Zn*
0.1 N HCl	Al*, As*, Ca*, Cu*, Fe*, Pb*, Mg*, Mn*, Mo*, Ni*, K*, Si*, Na*, Zn*
HCl and HNO_3	As*, Fe*, Pb*, Mo*, K*, Si*, Na*, Zn*
* this metal leaches significantly in more than one solution	

5.3 Paint-Flush Studies

One objective of this study was to examine small-scale flowpaths through the Eskay Creek dump. To accomplish this, a durable, visible tracer was required. Following the approach of ElBoushi (1975), white latex paint was used. Even a small amount of white paint would be visible on the rock which varied in colour between orange, grey, and black. Also, the latex paint could be peeled off upon drying for inspection of underlying rock surfaces.

A total of 12 paint-flush (PF) sites were established (Appendices F and G). Five to twenty gallons of paint were applied by pouring them into an open-bottom 45-gallon drum embedded a few cm into the rock. This allowed the paint to be applied over a well defined cross-sectional area. In some cases, the paint was diluted 1:1 with water to aid infiltration into finer grained rock.

At most PF sites, virtually none of the paint infiltrated, even when diluted, over a 24-hour period. Water from snowmelt also ponded in places on the dump. This reflected the relative impermeability of the surficial argillite and rhyolite that resembled a well compacted silt (Section 5.2). Therefore, the conclusion from most of the PF sites was that (1) the rate of water movement vertically into most of the waste rock dump was minimal due to the silt cap and (2) the dump retained a large amount of acidity due to the minimized infiltration (Section 5.1). This also confirmed the importance of the adjacent creek, which diverted water into and through the dump (Section 4), for the mobilization of acidity and metals from the dump.

Several PF sites were established in uncommon areas where coarse rock could be seen at the

surface. Later excavation indicated most of the coarse sites contained less than a meter of rock, and thus pathway delineation through a significant profile was not possible. A few PF sites were established in disturbed, recently excavated rock, showing near vertical movement through the relatively homogenized profiles.

One PF site (PF#11, Appendix F) had a fine, relatively impermeable layer located a few cm beneath the surficial coarse rock. Excavation by hand and equipment showed that the paint initially moved downward almost vertically and then flowed laterally in one direction over the fine layer (Figure 5-4). However, a coarse pebble in the fine layer allowed some paint to pass through. This confirmed the capacity of the fine layer to significantly inhibit vertical infiltration, but also the ability of even a pebble to breach its integrity.

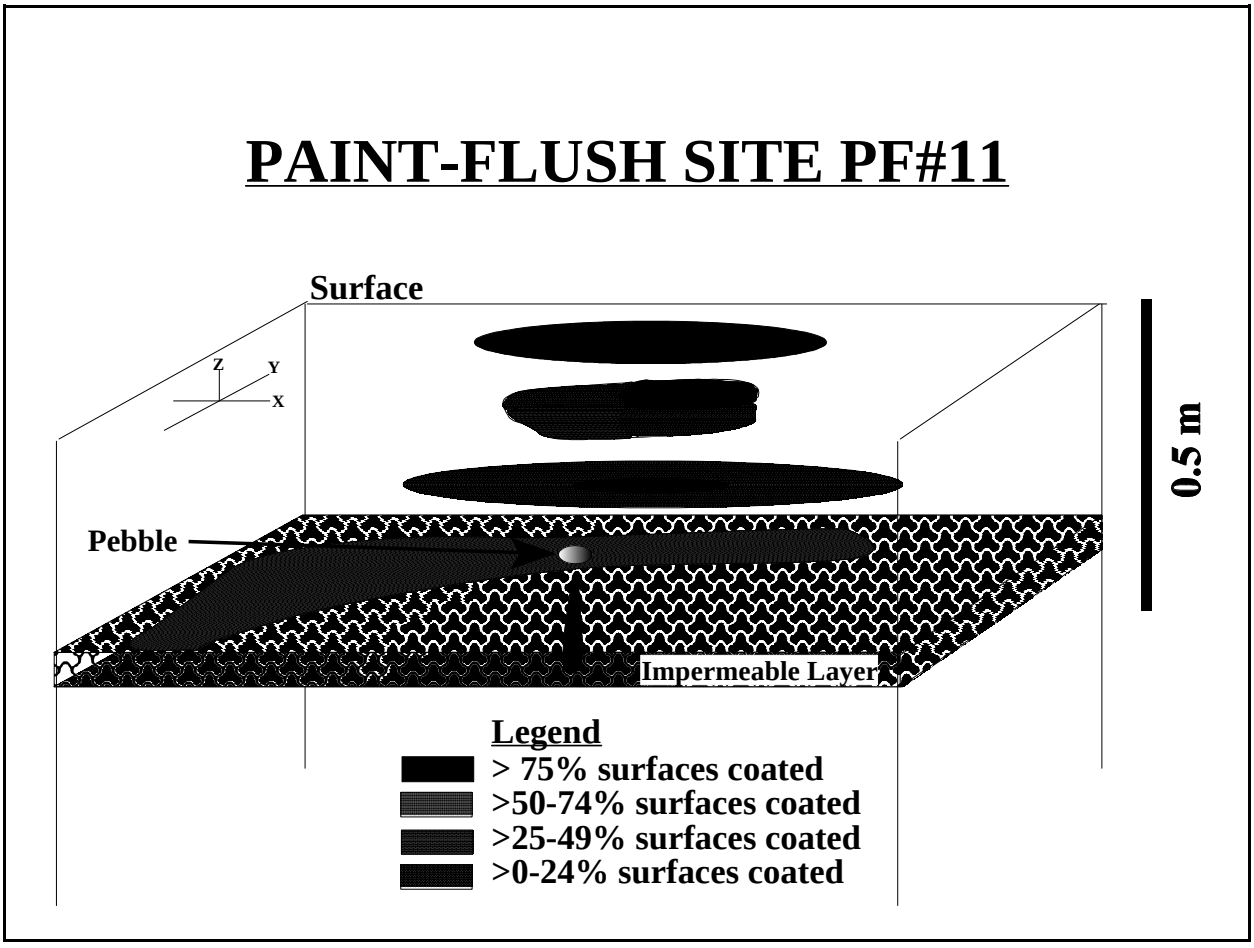


FIGURE 5-4. Vertical Profile of Paint Infiltration at Paint Flush Site PF#11.

6. Evolution of Drainage After Disassembly

One objective of this study is to demonstrate how quickly and to what extent the local watershed recovered after the acid-generating waste rock was removed. This provides some information to weigh the time-dependent benefits and costs of waste-rock removal against the costs of other techniques (e.g., Geocon, 1995).

Water draining from the former dump area, near the bedrock knob (Figure 3-1), is occasionally collected and analyzed. During the summer of 1996, almost one year after all waste rock was removed, pH of this drainage was relatively constant around 4.7 (Figure 6-1) and metal concentrations were variable but detectable (Figures 6-1 and 6-2). Thus, more than one year is required before the drainage chemistry changes significantly towards near-background levels. Ongoing monitoring of the drainage will document the recovery of the watershed.

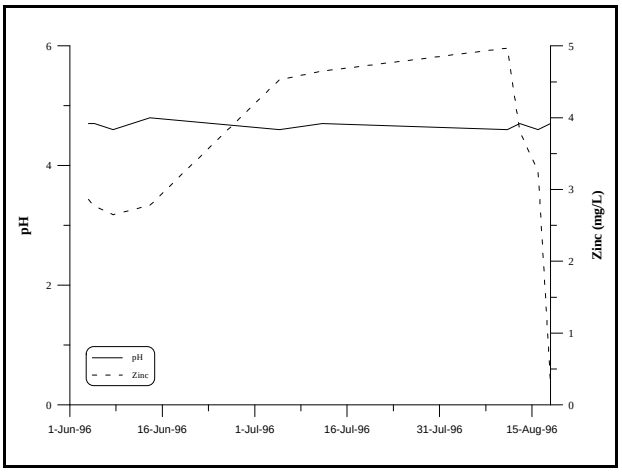


FIGURE 6-1. Temporal Trend in 1996 for pH and Zinc in Drainage from the Dump Watershed.

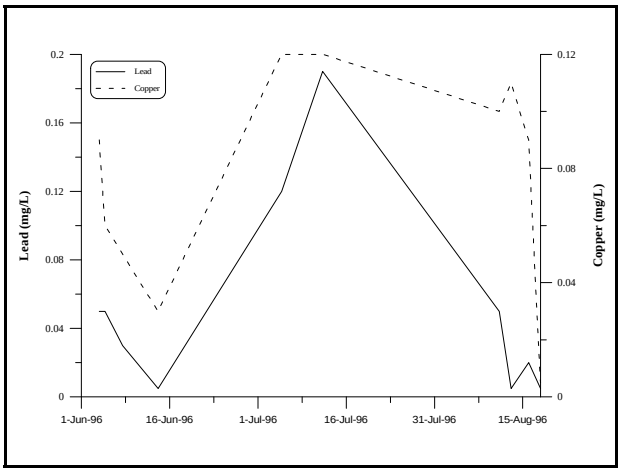


FIGURE 6-2. Temporal Trend in 1996 for Copper and Lead in Drainage from the Dump Watershed.

7. Mass Balance of Acidity in the Eskay Creek Dump

Although the Eskay Creek waste-rock dump was heterogeneous physically and chemically like many other dumps (Morin et al., 1991), approximate chemical mass balances can be calculated using some assumptions. Chapters 2 and 5 contain solid-phase analyses of waste rock before dump construction and a few years later during dump disassembly. Chapter 2 also contains reaction rates at which minerals were reacting and oxidizing. Chapter 4 describes drainage chemistry from the dump since its construction. This information, subject to the limitations discussed in the preceding chapters, is the basis for the mass-balance calculations.

The first step in the mass balance is to estimate the percentages of rock units (Section 2.1) in the dump prior to disassembly. Homestake Canada and Prime Resources provided a file copy of a drawing showing underground workings, dated May 1992, and the rock units through which the workings pass. With the assumptions of a nominal 3 m by 3 m cross-section for the workings and a specific gravity of 3 t/m^3, approximately 50,000 t of the 100,000 t in the dump can be accounted for. For the following calculations, the same percentages of the rock units are extended to the entire dump of 100,000 t (Table 7-1).

TABLE 7-1
Estimated Rock-Unit Composition of the Eskay Creek Waste-Rock Dump
(see assumptions in text)

Rock Unit	Percentage (%)	Tonnage (t)
Brecciated rhyolite	58.2	58,200
Massive-flow and other basalt	14.9	14,900
Laminated mudstone	9.8	9,800
Dacite	8.6	8,600
Flow-banded rhyolite	3.8	3,800
Massive rhyolite	2.8	2,800
Massive mudstone	0.8	800
Dirty tuff	0.6	600
Mafic dyke	0.6	600

TABLE 7-1 Estimated Rock-Unit Composition of the Eskay Creek Waste-Rock Dump (see assumptions in text)		
TOTAL	100.1	100,100

ABA data exist for some but not all rock units (Section 2.2.2 and Appendix A1). Thus, percentages of untested units were combined with the units considered similar in order to obtain a total inventory of ABA parameters within the dump (Table 7-2).

TABLE 7-2
Calculated Inventory of ABA Parameters
(see assumptions in text)

Rock Unit	Tonnage (t)[1]	Total Acid Potential		Reactive Neutralization Potential	
		Mean[2]	Tonnage (t)	Mean[2,4]	Tonnage (t)
Rhyolite	65,400	58.6	3830	31.2	2040
Basalts (not analyzed)[3]	15,500	58.6 [3]	908	31.2 [3]	484
Argillite/mudstone	10,600	81.9	868	145	1537
Dacite	8,600	17.8	153	70.3	605
TOTAL	100,100		5760		4670[4]

[1] from Table 7-1

[2] in units of t CaCO3 equivalent/1000 t; from Appendix A1

[3] no ABA data available, assumed equal to rhyolite

[4] unavailable NP is approximately 15 t/1000 t (Section 2.2.2), so only 3170 t is reactive

As shown in Section 2.3, the rate at which sulphur oxidizes in Eskay Creek rock is variable, but generally high compared to other mines. The average late-stage sulphide-oxidation rate for mean-TNNP, non-ore rock in Table 2-1 is 97 mg of SO_4/kg/wk. When applied to the 100,000 t of rock in the dump, the average rate indicates 500 t of SO_4, or 530 t as $CaCO_3$, were generated each year. At this rate, all potential acidity within the dump (Table 7-2) would be oxidized to actual acidity in 11 years. The limitation of oxygen entry through the fine-grained layer in many places (Chapters 3 and 5) may have lowered the rate below that of the unlimited-oxygen rate from cells, and

thus the depletion of sulphide may have taken more than 19 years. Additionally, while much of the rock in the dump is relatively fine-grained (Chapter 5), some of the coarser rock may be less reactive and thus a reactive rock tonnage less than 100,000 t may be more appropriate.

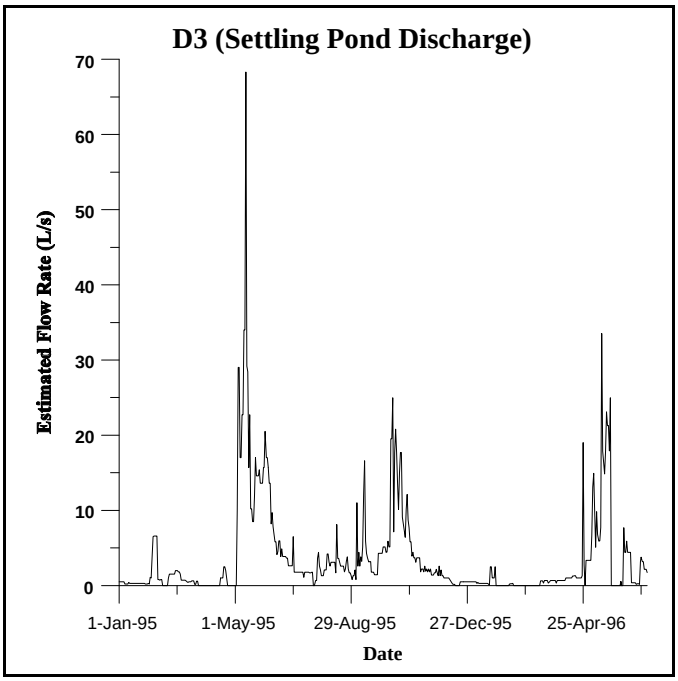


FIGURE 7-1. Temporal Trend of Flow at Station D3 (post treatment).

Another, independent approach for estimating the cumulative amount of sulphide oxidation in the dump is based on (1) the cumulative amount of acidity and sulphate leaving the dump in the drainage plus (2) the cumulative amount of acidity retained within the dump at disassembly. Drainage flow at Station D2 (Chapter 4) was not measured, but flow after treatment at D3 was. Although highly variable (Figure 7-1), the average flow at D3 over several years was 3.7 L/s, which is assumed to mostly represent flow from the dump. The approximate annual average for acidity, using an average pH of 3, is 1080 mg/L (Table 4-3), but this includes the effect some neutralization that continues even in the most acidic rock (Table 2-1). To account for this partial neutralization and calculate the total acidity production, the average calcium concentration of 200 mg/L can be converted to 500 mg $CaCO_3$/L and added to the measured acidity for a total of approximately 1600 mg/L. When combined with the average flow of 3.7 L/s, the total acidity loading is 190 t/yr.

The acidity retained within the dump can be estimated from the number of bags of lime added during disassembly (Appendix D and Figure 5-1). The total number of 50-lb.bags added to loads of waste rock was 2851.75, for a total of 65 t as CaO or 120 t as $CaCO_3$. Therefore, from 1991 to 1995, the dump converted 880 t (190*4 + 120), or 15%, of its 5760 t of potential acidity into actual acidity at an average annual rate of 220 t/yr. This is comparable to the preceding rate of 530 t/yr based on humidity-cell data. In light of all the assumptions and averages, this is considered good agreement.

Interestingly, the two independent estimates of acidity production (220 and 530 t/yr) would not consume available NP (Footnote 4, Table 7-2) within the dump for at least 6 years. However, the drainage from the dump reportedly became acidic within two years (Chapters 3 and 4). In two years, 440 to 1060 t of acidity would have been produced and, in comparison to the total NP of 4670 t (Table 7-2), only roughly 10-20% of the total NP was consumed before net acidity appeared in the drainage. Possible explanations for the mostly unreacted NP include: (1) the shallowest fine-grained

layer contained significant NP in many places (Section 5.2) and this source of NP was never exposed to the underlying acidic drainage and (2) infiltration was preferentially channelled into net-acid-generating rock and away from neutralizing rock (e.g., Section 5.3 and Appendix G). The latter process is the cause for acidic drainage from the layered waste-rock dump at Samatosum even though the dump contained three times more NP than acid potential. The Samatosum dump was the focus of another MEND study on waste rock (Morin and Hutt, 1997b).

8. Conclusion

This report has documented the geochemical and physical characteristics of the Eskay Creek waste-rock dump, from its origin in underground workings in the early 1990's, to its disassembly and placement in a nearby lake in 1995. This study was sponsored by Homestake Canada Inc. on behalf of the Canadian MEND Program, and represents another case study in the MEND series on waste-rock dumps.

Static and kinetic geochemical tests on rock showed that most rock was reactive and net acid generating (Chapter 2), with some dependence on grain size (Section 5.2). As a result, acidic drainage appeared within two years after dump construction began (Chapters 3 and 4). During disassembly, most of the dump was found to contain relatively fine-grained waste rock that limited infiltration, particularly at the surface (Chapter 5). Nevertheless, infiltration did occur, sometimes enhanced by a single pebble embedded in the fine-grained layers (Section 5.3). Drainage from the watershed was still acidic (approximately pH 4.7) almost a year after disassembly (Chapter 6).

Two independent mass-balance calculations for acidity in the dump provided similar estimates of acid generation: 220 and 530 t/yr (Chapter 7). At these rates, all sulphide within the dump would have been consumed within 11-26 years. Although a significant amount of reactive neutralization potential (NP) was present within the dump, acidic drainage appeared within two years. This indicated that only roughly 10-20% of total NP was consumed before acidic drainage began. This may be the result of physical factors like channelling or stratification within the dump, as noted in other waste-rock dumps in Canada.

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APPENDIX

Appendix A. Acid-Base Accounting

A1. Compiled ABA Data

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data
Rock Unit: HW Andesite
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth (m)	Section	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
Drillhole 158	30	7+50N	8.6	0.55	17.19	254.0	236.81	14.78
Drillhole 160	102	7+50N	8.1	1.14	35.63	186.0	150.38	5.22
Drillhole 161	14	7+50N	8.2	0.81	25.31	191.0	165.69	7.55
Drillhole 161	35	7+50N	8.6	0.11	3.44	231.0	227.56	67.20
Drillhole 167	70	7+50N	8.3	0.32	10.00	126.0	116.00	12.60
Drillhole 218	104	7+75N	8.4	0.23	7.19	210.0	202.81	29.22
Drillhole 154	85	8+OON	8.1	0.66	20.63	94.8	74.18	4.60
Drillhole 155	90	8+OON	7.4	3.31	103.44	32.5	-70.94	0.31
Drillhole 155	95	8+OON	8.1	0.90	28.13	148.0	119.88	5.26
Drillhole 157	95	8+OON	8.3	0.87	27.19	261.0	233.81	9.60
Drillhole 157	142	8+OON	8.8	0.21	6.56	233.0	226.44	35.50
Drillhole 192	95	8+OON	8.1	1.65	51.56	440.0	388.44	8.53
Drillhole 192	100	8+OON	8.7	0.41	12.81	217.0	204.19	16.94
Drillhole 192	110	8+OON	8.2	0.35	10.94	237.0	226.06	21.67
Drillhole 200	93	8+OON	8.3	0.21	6.56	275.0	268.44	41.90
Drillhole 200	108	8+OON	8.4	0.36	11.25	131.0	119.75	11.64
Drillhole 229	90	8+OON	9.0	0.03	0.00	210.0	210.00	10.00
Drillhole 194	70	8+25N	8.3	0.27	8.44	165.0	156.56	19.56
Drillhole 194	110	8+25N	8.5	0.15	4.69	267.0	262.31	56.96
Drillhole 194	140	8+25N	8.3	0.66	20.63	28.0	7.38	1.36
Drillhole 214	78	8+25N	7.8	4.57	142.81	39.4	-103.41	0.28
Drillhole 243	82	8+25N	8.4	0.43	13.44	46.9	33.46	3.49
Drillhole 244	94	8+25N	8.2	1.07	33.44	31.9	-1.54	0.95
Drillhole 245	85	8+25N	8.4	0.20	6.25	344.0	337.75	55.04
Drillhole 121	42	8+50N	8.4	0.28	8.75	268.0	259.25	30.63
Drillhole 129	15	8+50N	7.8	0.05	1.56	17.0	15.44	10.88
Drillhole 129	16	8+50N	8.6	0.16	5.00	121.0	116.00	24.20
Drillhole 129	25	8+50N	8.3	0.54	16.88	145.0	128.13	8.59
Drillhole 129	35	8+50N	8.4	0.44	13.75	49.0	35.25	3.56
Drillhole 129	62	8+50N	8.2	0.49	15.31	333.0	317.69	21.75
Drillhole 129	72	8+50N	8.7	0.11	3.44	230.0	226.56	66.91
Drillhole 129	95	8+50N	8.2	1.91	59.69	47.5	-12.19	0.80
Drillhole 162	10	8+50N	8.1	2.75	85.94	29.3	-56.64	0.34
Drillhole 162	15	8+50N	8.2	0.39	12.19	159.0	146.81	13.05
Drillhole 191	15	8+50N	8.8	0.17	5.31	187.0	181.69	35.20
Drillhole 191	30	8+50N	8.6	0.25	7.81	191.0	183.19	24.45
Drillhole 109	10	9+OON	8.7	0.02	0.00	22.0	22.00	10.00
Drillhole 109	18	9+OON	8.8	0.11	3.44	56.5	53.06	16.44
Drillhole 111	25	9+OON	8.2	0.07	2.19	13.0	10.81	5.94
Drillhole 111	35	9+OON	8.60	0.150	4.69	40.8	36.11	8.70
Drillhole 111	45	9+OON	8.6	0.03	0.00	383.0	383.00	10.00
Drillhole 111	50	9+OON	8.4	0.23	7.19	271.0	263.81	37.70
Drillhole 118	12	9+OON	8.0	0.02	0.00	17.0	17.00	10.00
Drillhole 118	30	9+OON	7.8	0.01	0.00	16.0	16.00	10.00
Drillhole 122	25	9+OON	7.9	0.01	0.00	19.0	19.00	10.00
Drillhole 123	12	9+OON	8.5	0.05	1.56	196.0	194.44	125.44
Drillhole 123	40	9+OON	8.6	2.32	72.50	164.0	91.50	2.26
Drillhole 124	20	9+OON	8.5	1.52	47.50	448.0	400.50	9.43
Drillhole 124	39	9+OON	8.4	0.47	14.69	209.0	194.31	14.23
Drillhole 390	19	9+50N	5.9	7.27	227.19	22.6	-204.59	0.10
Drillhole 349	54	10+25N	6.7	1.46	45.63	76.0	30.38	1.67
Drillhole 349	79	10+25N	7.7	1.37	42.81	102.0	59.19	2.38
Drillhole 350	78	10+25N	5.3	13.00	406.25	5.4	-400.85	0.01
Drillhole 350	87	10+25N	6.9	21.20	662.50	92.5	-570.00	0.14

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data - Continued
Rock Unit: H/W Andesite
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth (m)	Section	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
Drillhole 350	94	10+25N	8.1	3.05	95.31	317.0	221.69	3.33
Drillhole 351	32	10+25N	8.3	1.15	35.94	8.3	-27.64	0.23
Drillhole 351	79	10+25N	7.1	3.47	108.44	16.3	-92.14	0.15
Drillhole 351	175	10+25N	6.4	3.60	112.50	7.8	-104.70	0.07
Drillhole 372	79	10+50N	8.4	1.44	45.00	24.0	-21.00	0.53
Drillhole 372	95	10+50N	6.2	2.17	67.81	49.0	-18.81	0.72
U/G AB-257			8.7	0.51	15.94	196	180.06	12.30
U/G AB-258			8.5	0.3	9.38	274	264.63	29.23
U/G AB-259			8.8	0.3	9.38	193	183.63	20.59
U/G AB-260			8.8	0.04	0.00	205	205.00	10.00
U/G AB-261			8.6	0.19	5.94	145	139.06	24.42
U/G AB-262			8.7	0.25	7.81	206	198.19	26.37
U/G AB-263			8.4	0.14	4.38	41.3	36.93	9.44
Maximum			9.00	21.20	662.50	448.00	400.50	125.44
Minimum			0.00	0.00	0.00	0.00	-570.00	0.00
Mean			7.92	1.35	42.02	145.11	103.10	16.06
Standard Deviation			1.53	3.08	96.30	114.43	163.84	20.70
10% Percentile			6.86	0.03	0.00	16.24	-59.50	0.26
90% Percentile			8.70	3.10	96.94	274.20	263.98	36.16
Count			69	69	69	69	69	68

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data
Rock Unit: H/W Argillite
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth m	Section	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
Drillhole 158	42	7+50N	7.9	2.30	71.88	516.0	444.13	7.18
Drillhole 158	100	7+50N	7.3	2.16	67.50	5.8	-61.70	0.09
Drillhole 160	108	7+50N	7.3	3.45	107.81	39.8	-68.01	0.37
Drillhole 167	25	7+50N	6.4	4.03	125.94	50.3	-75.64	0.40
Drillhole 167	45	7+50N	8.2	0.70	21.88	633.0	611.13	28.94
Drillhole 154	90	8+OON	7.6	3.09	96.56	108.0	11.44	1.12
Drillhole 154	92	8+OON	5.5	4.25	132.81	32.3	-100.51	0.24
Drillhole 156	85	8+OON	8.0	1.37	42.81	632.0	589.19	14.76
Drillhole 156	102	8+OON	7.5	2.37	74.06	131.0	56.94	1.77
Drillhole 157	90	8+OON	8.1	4.02	125.63	226.0	100.38	1.80
Drillhole 229	100	8+OON	8.0	1.14	35.63	157.0	121.38	4.41
Drillhole 294	45	8+25N	8.2	2.42	75.63	237.0	161.38	3.13
Drillhole 121	15	8+50N	8.0	1.21	37.81	617.0	579.19	16.32
Drillhole 121	25	8+50N	7.5	4.06	126.88	45.6	-81.28	0.36
Drillhole 121	33	8+50N	8.4	0.68	21.25	6.8	-14.45	0.32
Drillhole 121	50	8+50N	7.8	8.32	260.00	11.8	-248.20	0.05
Drillhole 121	60	8+50N	8.1	0.27	8.44	93.3	84.86	11.06
Drillhole 121	62	8+50N	8.1	4.58	143.13	95.5	-47.63	0.67
Drillhole 121	70	8+50N	8.3	0.93	29.06	325.0	295.94	11.18
Drillhole 121	72	8+50N	8.0	1.63	50.94	9.8	-41.14	0.19
Drillhole 129	50	8+50N	7.8	3.33	104.06	141.0	36.94	1.35
Drillhole 162	22	8+50N	8.2	0.76	23.75	597.0	573.25	25.14
Drillhole 162	45	8+50N	7.8	3.69	115.31	324.0	208.69	2.81
Drillhole 162	50	8+50N	7.8	2.97	92.81	196.0	103.19	2.11
Drillhole 162	55	8+50N	7.7	4.12	128.75	45.8	-82.95	0.36
Drillhole 191	45	8+50N	7.8	2.33	72.81	92.0	19.19	1.26
Drillhole 191	50	8+50N	7.6	1.62	50.63	5.2	-45.43	0.10
Drillhole 122	10	9+OON	7.3	0.01	0.00	8.5	8.50	10.00
Drillhole 122	50	9+OON	8.6	0.42	13.13	182.0	168.88	13.87
Drillhole 349	22	10+25N	7.7	2.06	64.38	28.9	-35.48	0.45
Drillhole 349	49	10+25N	7.7	1.80	56.25	10.8	-45.45	0.19
Drillhole 372	47	10+50N	3.8	5.50	171.88	7.0	-164.88	0.04
U/G AB20D14-59 m			7.3	3.78	118.13	39.3	-78.83	0.33
U/G AB21 D14-62.5 m			7.2	3.5	109.38	54.9	-54.48	0.50
U/G AB22D14-68 m			7.4	2.9	90.63	119	28.38	1.31
U/G AB80			7.7	3.31	103.44	23.9	-79.54	0.23
U/G AB81			8.7	2.91	90.94	20	-70.94	0.22
U/G ABS2			8.6	4.42	138.13	23	-115.13	0.17
U/G ABS3			9.1	2.6	81.25	28.8	-52.45	0.35
U/G ABS4			8.9	2.93	91.56	88.4	-3.16	0.97
U/G AB252			8.6	0.24	7.50	154	146.50	20.53
U/G AB253			8.2	3.69	115.31	80.5	-34.81	0.70
U/G AB254			8.6	2.23	69.69	143	73.31	2.05
U/G AB255			8.3	2.78	86.88	141	54.13	1.62
U/G AB256			8.5	1.07	33.44	m	-33.44	0.00
Maximum			9.10	8.32	260.00	633.00	611.13	28.94
Minimum			3.80	0.01	0.00	0.00	-248.20	0.00
Mean			7.80	2.62	81.90	145.04	63.14	4.24
Standard Deviation			0.87	1.59	49.72	179.87	202.30	7.02
10% Percentile			7.30	0.69	21.50	7.60	-82.28	0.13
90% Percentile			8.60	4.20	131.19	439.60	384.85	14.40
Count			45	45	45	45	45	45

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data
Rock Unit: Contact Zone
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth m	Section	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
Drillhole 160	112	7+50N	7.1	3.48	108.75	54.5	-54.25	0.50
Drillhole 166	105	7+50N	7.3	4.19	130.94	67.6	-63.34	0.52
Drillhole 167	83	7+50N	8.4	3.28	102.50	49.3	-53.20	0.48
Drillhole 216	106	7+75N	6.9	11.00	343.75	7.2	-336.55	0.02
Drillhole 218	115	7+75N	6.1	4.50	140.63	55.4	-85.23	0.39
Drillhole 154	100	8+OON	7.1	2.97	92.81	24.8	-68.01	0.27
Drillhole 192	120	8+OON	7.7	1.40	43.75	18.0	-25.75	0.41
Drillhole 200	112	8+OON	6.3	3.25	101.56	2.5	-99.06	0.02
Drillhole 229	112	8+OON	8.2	2.56	80.00	315.0	235.00	3.94
Drillhole 212	80	8+25N	7.7	1.63	50.94	9.7	-41.24	0.19
Drillhole 245	115	8+25N	5.6	3.83	119.69	45.0	-74.69	0.38
Drillhole 121	95	8+50N	6.7	11.70	365.63	14.0	-351.63	0.04
Drillhole 121	98	8+50N	7.6	8.85	276.56	16.3	-260.26	0.06
Drillhole 129	98	8+50N	6.9	2.79	87.19	18.4	-68.79	0.21
Drillhole 162	75	8+50N	8.1	1.81	56.56	24.7	-31.86	0.44
Drillhole 162	85	8+50N	7.4	2.64	82.50	14.0	-68.50	0.17
Drillhole 191	70	8+50N	7.5	2.20	68.75	13.0	-55.75	0.19
Drillhole 390	124	9+50N	5.3	7.76	242.50	2.8	-239.70	0.01
Drillhole 390	136	9+50N	4.5	11.00	343.75	6.0	-337.75	0.02
Drillhole 350	107	10+25N	7.8	0.03	0.00	16.3	16.30	10.00
Drillhole 350	109	10+25N	8.5	1.90	59.38	73.5	14.13	1.24
Drillhole 351	109	10+25N	5.7	4.93	154.06	3.5	-150.56	0.02
Drillhole 372	1101	10+50N	6.0	14.10	440.63	7.31	-433.32	0.02
Maximum			8.50	14.10	440.63	315.00	235.00	10.00
Minimum			4.50	0.03	0.00	2.50	-433.32	0.01
Mean			6.97	4.86	151.86	37.34	-114.52	0.85
Standard Deviation			1.03	3.78	118.33	62.85	146.50	2.11
10% Percentile			5.62	1.67	52.06	4.00	-337.51	0.02
90% Percentile			8.18	11.00	343.75	65.16	6.15	1.09
Count			23	23	23	23	23	23

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data
Rock Unit: Rhyolite
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth m	Section	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
Drillhole 165	120	7+50N	7.7	1.61	50.31	3.8	-46.51	0.08
Drillhole 165	140	7+50N	7.7	0.61	19.06	11.5	-7.56	0.60
Drillhole 160	156	7+50N	7.2	4.04	126.25	11.4	-114.85	0.09
Drillhole 160	177	7+50N	8.3	0.19	5.94	248.0	242.06	41.77
Drillhole 166	135	7+50N	7.8	1.00	31.25	7.0	-24.25	0.22
Drillhole 160	130	7+50N	7.7	1.10	34.38	10.3	-24.08	0.30
Drillhole 166	140	7+50N	7.6	3.13	97.81	8.3	-89.51	0.08
Drillhole 166	125	7+50N	8.4	0.68	21.25	11.3	-9.95	0.53
Drillhole 160	150	7+50N	7.8	1.50	46.88	39.5	-7.38	0.84
Drillhole 160	187	7+50N	7.8	3.38	105.63	164.0	58.38	1.55
Drillhole 254	140	7+75N	7.3	1.29	40.31	23.5	-16.81	0.58
Drillhole 218	130	7+75N	7.9	2.17	67.81	31.4	-36.41	0.46
Drillhole 192	145	8+OON	7.8	0.67	20.94	3.5	-17.44	0.17
Drillhole 154	130	8+OON	8.0	2.34	73.13	13.3	-59.83	0.18
Drillhole 192	150	8+OON	7.6	0.82	25.63	8.8	-16.83	0.34
Drillhole 154	115	8+OON	8.1	2.53	79.06	30.8	-48.26	0.39
Drillhole 156	125	8+OON	7.3	1.33	41.56	5.4	-36.16	0.13
Drillhole 154	190	8+OON	7.5	4.04	126.25	22.0	-104.25	0.17
Drillhole 155	120	8+OON	8.3	1.02	31.88	17.5	-14.38	0.55
Drillhole 154	140	8+OON	6.6	1.93	60.31	4.3	-56.01	0.07
Drillhole 229	145	8+OON	6.4	1.56	48.75	1.3	-47.45	0.03
Drillhole 200	120	8+OON	7.3	1.84	57.50	3.5	-54.00	0.06
Drillhole 200	140	8+OON	8.3	1.81	56.56	3.5	-53.06	0.06
Drillhole 192	170	8+OON	7.9	1.14	35.63	27.4	-8.23	0.77
Drillhole 156	130	8+OON	8.1	1.63	50.94	49.3	-1.64	0.97
Drillhole 192	140	8+OON	4.5	2.43	75.94	2.0	-73.94	0.03
Drillhole 154	125	8+OON	8.3	1.44	45.00	17.0	-28.00	0.38
Drillhole 192	155	8+OON	8.2	0.64	20.00	26.0	6.00	1.30
Drillhole 200	135	8+OON	8.2	1.31	40.94	3.9	-37.04	0.10
Drillhole 157	160	8+OON	8.4	0.75	23.44	19.0	-4.44	0.81
Drillhole 155	115	8+OON	7.9	1.52	47.50	16.3	-31.20	0.34
Drillhole 192	130	8+OON	8.0	0.69	21.56	11.5	-10.06	0.53
Drillhole 212	100	8+25N	7.8	2.19	68.44	9.0	-59.44	0.13
Drillhole 214	110	8+25N	6.7	2.73	85.31	4.8	-80.51	0.06
Drillhole 243	125	8+25N	7.3	1.56	48.75	11.2	-37.55	0.23
Drillhole 245	125	8+25N	6.7	3.52	110.00	8.2	-101.80	0.07
Drillhole 244	117	8+25N	7.0	1.93	60.31	4.1	-56.21	0.07
Drillhole 191	80	8+50N	6.2	2.36	73.75	1.0	-72.75	0.01
Drillhole 162	126	8+50N	8.3	0.54	16.88	264.0	247.13	15.64
Drillhole 190	130	8+50N	6.8	0.65	20.31	23.5	3.19	1.16
Drillhole 162	99	8+50N	7.8	2.21	69.06	139.0	69.94	2.01
Drillhole 191	100	8+50N	5.2	6.80	212.50	4.6	-207.90	0.02
Drillhole 162	115	8+50N	8.0	1.59	49.69	15.6	-34.09	0.31
Drillhole 191	90	8+50N	6.4	12.84	401.25	35.8	-365.45	0.09
Drillhole 121	160	8+50N	8.6	7.88	246.25	36.5	-209.75	0.15
Drillhole 121	170	8+50N	5.0	4.25	132.81	2.3	-130.51	0.02
Drillhole 162	125	8+50N	8.3	0.67	20.94	7.0	-13.94	0.33
Drillhole 121	140	8+50N	8.1	1.76	55.00	10.3	-44.70	0.19
Drillhole 121	104	8+50N	7.6	4.29	134.06	161.0	26.94	1.20
Drillhole 389	243	9+50N	8.1	1.08	33.75	16.3	-17.45	0.48
Drillhole 349	106	10+25N	8.0	0.56	17.50	13.8	-3.70	0.79
Drillhole 351	125	10+25N	7.4	2.87	89.69	14.9	-74.79	0.17
Drillhole 348	136	10+25N	8.0	3.21	100.31	23.4	-76.91	0.23
Drillhole 351	135	10+25N	7.1	1.06	33.13	4.8	-28.33	0.14

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data - Continued
Rock Unit: Rhyolite
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth m	Section	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
Drillhole 350	134	10+25N	7.8	1.33	41.56	20.3	-21.26	0.49
Drillhole 351	165	10+25N	6.7	4.75	148.44	11.5	-136.94	0.08
Drillhole 350	180	10+25N	6.2	1.12	35.00	0.8	-34.20	0.02
Drillhole 350	165	10+25N	6.8	3.07	95.94	13.6	-82.34	0.14
Drillhole 350	155	10+25N	5.3	2.82	88.13	0.8	-87.33	0.01
Drillhole 350	139	10+25N	7.0	8.55	267.19	26.7	-240.49	0.10
Drillhole 350	121	10+25N	8.3	3.62	113.13	10.9	-102.23	0.10
Drillhole 348	163	10+25N	8.0	1.96	61.25	26.2	-35.05	0.43
Drillhole 350	129	10+25N	7.4	2.22	69.38	15.8	-53.58	0.23
Drillhole 372	170	10+50N	7.1	1.76	55.00	7.8	-47.20	0.14
Drillhole 372	160	10+50N	8.1	3.45	107.81	19.5	-88.31	0.18
Drillhole 372	150	10+50N	7.9	0.75	23.44	30.3	6.86	1.29
Drillhole 372	130	10+50N	5.6	5.65	176.56	18.5	-158.06	0.10
Drillhole 372	139	10+50N	4.7	5.15	160.94	7.5	-153.44	0.05
Drillhole 372	180	10+50N	4.4	4.12	128.75	4.0	-124.75	0.03
U/G AB 166			7.6	1.63	50.94	3.5	-47.44	0.07
U/G AB 169			7.6	1.19	37.19	3.25	-33.94	0.09
U/G AB 172			7.4	1.67	52.19	3.5	-48.69	0.07
U/G AB 174			7.7	1.1	34.38	3.25	-31.13	0.09
U/G AB 177			8.0	1.27	39.69	12.8	-26.89	0.32
U/G AB 179			7.5	1.71	53.44	3.5	-49.94	0.07
U/G AB 182			8.2	2.53	79.06	32.3	-46.76	0.41
U/G AB 185			8.2	4.98	155.63	8.13	-147.50	0.05
U/G AB 188			7.6	1.31	40.94	1.3	-39.64	0.03
U/G AB 190			8.3	1.38	43.13	20.8	-22.33	0.48
U/G AB 191			7.8	0.75	23.44	3.25	-20.19	0.14
U/G AB 192			8.5	2.55	79.69	14	-65.69	0.18
U/G AB 193			7.5	3.16	98.75	3	-95.75	0.03
U/G AB 194			8.9	0.62	19.38	63.8	44.43	3.29
U/G AB 195			8.6	0.44	13.75	12	-1.75	0.87
U/G AB 196			8.6	1.96	61.25	10.5	-50.75	0.17
U/G AB 197			8.2	1.35	42.19	27.5	-14.69	0.65
U/G AB 198			8.6	1.76	55.00	14	-41.00	0.25
U/G AB 199			8.5	0.6	18.75	19.5	0.75	1.04
U/G AB 200			8.7	0.57	17.81	34.1	16.29	1.91
U/G AB 201			8.8	0.6	18.75	1.6	-17.15	0.09
U/G AB 202			9.1	0.7	21.88	20	-1.88	0.91
U/G AB 209			8.4	1.92	60.00	4.6	-55.40	0.08
U/G AB 210			7.0	4.1	128.13	12.8	-115.33	0.10
U/G AB 211			7.6	0.86	26.88	4.6	-22.28	0.17
U/G AB 212			7.8	2.09	65.31	12.9	-52.41	0.20
U/G AB 213			8.4	0.6	18.75	10.8	-7.95	0.58
U/G AB 214			8.5	1.44	45.00	23.7	-21.30	0.53
U/G AB 215			7.6	1.32	41.25	37.3	-3.95	0.90
U/G AB 216			7.6	1.14	35.63	3.83	-31.80	0.11
U/G AB 217			7.9	0.72	22.50	2.03	-20.47	0.09
U/G AB 218			7.3	12.2	381.25	2.53	-378.72	0.01
U/G AB 219			6.6	4.41	137.81	0.98	-136.83	0.01
U/G AB 220			7.3	3.91	122.19	17.3	-104.89	0.14
U/G AB 227			7.2	3.74	116.88	2.53	-114.35	0.02
U/G AB 228			8.1	2.57	80.31	17.4	-62.91	0.22
U/G AB 229			8.0	8.16	255.00	15.6	-239.40	0.06
U/G AB 230			7.9	2.02	63.13	4.94	-58.19	0.08
U/G AB 231			8.0	1.76	55.00	7.5	-47.50	0.14

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data - Continued
Rock Unit: Rhyolite
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth Section m	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
U/G AB 232		7.7	6.14	191.88	4.53	-187.35	0.02
U/G AB 233		8.2	0.96	30.00	4.53	-25.47	0.15
U/G AB 235		7.9	0.72	22.50	3.38	-19.12	0.15
U/G AB 236		8.2	0.81	25.31	12.8	-12.51	0.51
U/G AB 237		7.4	8.04	251.25	5.85	-245.40	0.02
U/G AB 238		8.6	3.92	122.50	25.1	-97.40	0.20
U/G AB 239		8.3	1.38	43.13	19.4	-23.73	0.45
U/G AB 240		8.1	1.46	45.63	7.76	-37.87	0.17
U/G AB 241		9.3	0.07	2.19	30.3	28.11	13.85
U/G AB 242		8.7	0.16	5.00	211	206.00	42.20
U/G AB 243		8.7	1.35	42.19	234	191.81	5.55
U/G AB 244		8.6	0.24	7.50	209	201.50	27.87
U/G AB 245		8.2	0.14	4.38	9.8	5.43	2.24
U/G AB 245		10.0	0.39	12.19	34.7	22.51	2.85
U/G AB 246		8.2	0.58	18.13	9.3	-8.83	0.51
U/G AB 247		8.5	0.37	11.56	14.5	2.94	1.25
U/G AB 248		8.6	0.42	13.13	19.2	6.08	1.46
U/G AB 250		8.1	1.32	41.25	173	131.75	4.19
U/G AB 251		8.8	0.35	10.94	45.3	34.36	4.14
U/G AB23D14-73 m		7.0	2.93	91.56	94.5	2.94	1.03
U/G AB24D14-76.4 m		7.6	2.79	87.19	106	18.81	1.22
U/G AB25D14-78 m		8.3	0.71	22.19	62.5	40.31	2.82
U/G AB26D14-80 m		8.4	0.91	28.44	42.5	14.06	1.49
U/G AB27D14-83 m		8.6	0.42	13.13	26.5	13.38	2.02
U/G AB28D14-86.3 m		8.5	0.86	26.88	71.3	44.43	2.65
U/G AB29D14-89 m		8.6	0.81	25.31	109	83.69	4.31
U/G AB30D14-92 m		8.6	0.83	25.94	125	99.06	4.82
U/G AB31 D14-95 M		8.7	0.66	20.63	126	105.38	6.11
U/G AB32D14-98.6 m		8.2	0.54	16.88	27.3	10.43	1.62
U/G AB33D14+101.5 m		8.6	0.26	8.13	48.7	40.58	5.99
U/G AB34D14+105 m		8.5	0.51	15.94	30.1	14.16	1.89
U/G AB35D14+108 m		8.6	0.22	6.88	5.02	-1.86	0.73
U/G AB36D14+111.4 m		8.9	0.18	5.63	12.05	6.43	2.14
U/G AB37D15+32 m		8.7	0.16	5.00	9.05	4.05	1.81
U/G AB38D15+35 m		8.8	0.25	7.81	24.8	16.99	3.17
U/G AB39D15+38 m		9.3	0.06	1.88	12.1	10.23	6.45
U/G AB40D15+41.3 m		9.3	0.27	8.44	21	12.56	2.49
U/G AB4lD15+44 m		9.0	0.26	8.13	71.8	63.68	8.84
U/G AB42D15+47 m		9.0	1.25	39.06	272	232.94	6.96
U/G AB43D15+50 m		9.1	0.83	25.94	43.2	17.26	1.67
U/G AB44D15+53 m		9.3	0.72	22.50	142	119.50	6.31
U/G AB45D15+56 m		9.1	2.55	79.69	223	143.31	2.80
U/G AB46D15+58 m		9.1	2.83	88.44	219	130.56	2.48
U/G AB47D1 5+60 m		9.1	0.91	28.44	169	140.56	5.94
U/G AB48D15+62 m		8.8	1.46	45.63	116	70.38	2.54
U/G AB49D15+64.5 m		9.0	2.19	68.44	65.9	-2.54	0.96
U/G AB50D15+68.9 m		8.2	1.11	34.69	15.3	-19.39	0.44
U/G AB51 D15+69 m		8.6	0.68	21.25	54	32.75	2.54
U/G AB52D15+71.5 m		8.3	0.72	22.50	92	69.50	4.09
U/G AB53D15+74 m		7.8	1.16	36.25	7.5	-28.75	0.21
U/G AB54D15+76.5 m		7.4	1.1	34.38	2	-32.38	0.06
U/G AB55D15+78.5 m		7.9	0.95	29.69	8.32	-21.37	0.28
U/G AB56D15+80.4 m		8.5	0.7	21.88	42.2	20.33	1.93
U/G AB60D16+20 m		9.0	0.71	22.19	104	81.81	4.69

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data - Continued
Rock Unit: Rhyolite
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth Section m	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
U/G AB65D16+31.5 m		8.9	0.7	21.88	10.6	-11.28	0.48
U/G AB69D16+37.5 m		8.2	1.26	39.38	3.67	-35.71	0.09
U/G AB71		7.9	2.94	91.88	3.22	-88.66	0.04
U/G AB74		8.7	0.91	28.44	4.5	-23.94	0.16
U/G AB78		8.4	0.79	24.69	4.38	-20.31	0.18
U/G AB85		6.5	2.57	80.31	1	-79.31	0.01
U/G AB88		8.4	3.91	122.19	9.5	-112.69	0.08
U/G AB90		8.6	2.5	78.13	11.5	-66.63	0.15
U/G AB93		8.9	1.37	42.81	19.3	-23.51	0.45
U/G AB96		8.6	1.56	48.75	54.5	5.75	1.12
U/G AB99		8.4	2.35	73.44	17.5	-55.94	0.24
U/G AB102		8.0	2.93	91.56	15	-76.56	0.16
U/G AB105		8.1	0.94	29.38	14.8	-14.58	0.50
U/G AB108		8.0	1.53	47.81	25	-22.81	0.52
U/G AB111		8.4	0.85	26.56	28	1.44	1.05
U/G AB114		7.9	1.76	55.00	7.5	-47.50	0.14
U/G AB 117 18+15.6 m		8.2	1.27	39.69	8.38	-31.31	0.21
U/G AB117(R)		7.5	1.09	34.06	4.75	-29.31	0.14
U/G AB120 18+23.4 m		7.6	2.19	68.44	7.5	-60.94	0.11
U/G AB120(R)		7.2	2.29	71.56	23.8	-47.76	0.33
U/G AB123(R)		6.5	1.16	36.25	2.5	-33.75	0.07
U/G AB123 18+31.2 m		8.1	1.29	40.31	13.8	-26.51	0.34
U/G AB126 20+2.5 m		8.1	1.02	31.88	6	-25.88	0.19
U/G AB126		7.8	1.62	50.63	7.5	-43.13	0.15
U/G AB129 20+10 m		7.9	1.12	35.00	8.5	-26.50	0.24
U/G AB129		8.0	1.22	38.13	6.5	-31.63	0.17
U/G AB132		8.0	1.3	40.63	22.3	-18.33	0.55
U/G AB132 20+17.5 m		7.8	1.27	39.69	14.4	-25.29	0.36
U/G AB135		8.0	1.21	37.81	9.75	-28.06	0.26
U/G AB135 20+25.0 m		7.7	1.31	40.94	7	-33.94	0.17
U/G AB138		8.2	1.23	38.44	14.8	-23.64	0.39
U/G AB138 20+30.6 m		7.9	1.58	49.38	15	-34.38	0.30
U/G AB141		8.4	0.86	26.88	3.4	-23.48	0.13
U/G AB144		7.9	1.29	40.31	9.25	-31.06	0.23
U/G AB147		7.6	1.34	41.88	29.6	-12.28	0.71
U/G AB150		7.6	1.05	32.81	4.75	-28.06	0.14
U/G AB153		6.8	3.3	103.13	0.75	-102.38	0.01
U/G AB156		7.4	3.01	94.06	1.25	-92.81	0.01
U/G AB159		7.1	4.94	154.38	1.25	-153.13	0.01
U/G AB160		7.3	2.78	86.88	3.75	-83.13	0.04
U/G AB163		6.9	4.48	140.00	3.25	-136.75	0.02
Maximum		10.00	12.84	401.25	272.00	247.13	42.20
Minimum		0.00	0.00	0.00	0.00	-378.72	0.00
Mean		7.67	1.88	58.64	31.16	-27.48	1.55
Standard Deviation		1.57	1.87	58.33	52.31	81.90	4.86
10% Percentile		6.68	0.39	12.06	2.46	-106.45	0.03
90% Percentile		8.80	3.94	123.25	92.50	44.43	3.01
Count		209	209	209	209	209	206

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data
Rock Unit: Dacite
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth m	Section	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
Drillhole 160	221	7+50N	4.6	3.46	108.13	3.8	-104.33	0.04
Drillhole 191	160	8+50N	7.5	3.00	93.75	27.8	-65.95	0.30
Drillhole 191	150	8+50N	8.0	1.69	52.81	17.5	-35.31	0.33
Drillhole 348	118	10+25N	8.0	0.26	8.13	20.0	11.88	2.46
Drillhole 348	194	10+25N	8.1	1.37	42.81	9.3	-33.51	0.22
Drillhole 348	173	10+25N	5.4	1.65	51.56	6.7	-44.86	0.13
Drillhole 348	153	10+25N	8.21	2.14	66.88	276.0	209.13	4.13
U/G AB 3			8.4	0.06	1.88	93.3	91.43	49.76
U/G AB3D11 +24 m			8.5	0.08	2.50	51	48.50	20.40
U/G AB4D11 +24 m			8.5	0.04	0.00	68.3	68.30	10.00
U/G AB4D11 +24 m			8.5	0.04	0.00	68.3	68.30	10.00
U/G AB 4			8.5	0.11	3.44	102	98.56	29.67
U/G AB5D11 +36 m			8.4	0.04	0.00	74.5	74.50	10.00
U/G AB 5			8.4	0.03	0.00	89.8	89.80	10.00
U/G AB6D11 +47 m			8.5	0.51	15.94	86.8	70.86	5.45
U/G AB 6			8.5	0.54	16.88	168	151.13	9.96
U/G AB7-BSLP+50.6 m			8.6	0.01	0.00	74.5	74.50	10.00
U/G AB 7			8.6	0.03	0.00	124	124.00	10.00
U/G AB 8			8.6	0.03	0.00	79.8	79.80	10.00
U/G AB8D13+20 m			8.1	0.01	0.00	80.5	80.50	10.00
U/G AB9D13+29 m			8.6	0.28	8.75	46.3	37.55	5.29
U/G AB9			8.4	0.24	7.50	71	63.50	9.47
U/G AB 10			8.5	1.01	31.56	53.4	21.84	1.69
U/G ABIOD13+38.5 m			8.7	0.94	29.38	61.3	31.93	2.09
U/G AB11D13+48.5 m			8.7	0.25	7.81	61	53.19	7.81
U/G AB 11			8.6	0.17	5.31	70.5	65.19	13.27
U/G AB1 2D13+60 m			8.9	0.03	0.00	77.1	77.10	10.00
U/G AB 12			8.7	0.04	0.00	71.5	71.50	10.00
U/G AB13			8.7	0.03	0.00	65.3	65.30	10.00
U/G AB13D14+19.5 m			8.8	0.01	0.00	58	58.00	10.00
U/G AB 14			8.6	0.06	1.88	76.3	74.43	40.69
U/G AB14D14+32.5 m			8.7	0.04	0.00	65.5	65.50	10.00
U/G AB1 5D14-42 m			8.5	0.68	21.25	55.8	34.55	2.63
U/G AB16D14-45 m			8.5	0.92	28.75	58	29.25	2.02
U/G AB17D14-48.5 m			8.7	0.11	3.44	60	56.56	17.45
U/G AB18D14-52 m			8.5	0.44	13.75	55.3	41.55	4.02
U/G AB19D14-56 m			8.4	1.06	33.13	71.5	38.38	2.16
Maximum			8.90	3.46	108.13	276.00	209.13	49.76
Minimum			4.60	0.01	0.00	3.80	-104.33	0.04
Mean			8.28	0.58	17.76	70.26	52.50	9.77
Standard Deviation			0.83	0.84	26.43	46.17	56.35	10.46
10% Percentile			8.00	0.03	0.00	19.00	-34.23	0.32
90% Percentile			8.70	1.67	52.06	96.78	94.28	18.63
Count			37	37	37	37	37	37

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data
Rock Unit: Ore
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

Drill Hole or Underground Number	Depth Section m	Paste pH	Total S %	TAP ppt CaCO3	NP ppt CaCO3	TNNP ppt CaCO3	TNPR
ORE 13801		6.8	3.43	107.19	22.8	-84.39	0.21
ORE 13802		7.4	4.15	129.69	34.8	-94.89	0.27
ORE 13803		7.2	3.62	113.13	32.2	-80.93	0.28
ORE 13804		7.1	3.15	98.44	22.2	-76.24	0.23
ORE 13805		7.0	4.17	130.31	32.7	-97.61	0.25
ORE 13806		7.2	4.10	128.13	37.1	-91.03	0.29
ORE 13807		7.2	3.65	114.06	32.1	-81.96	0.28
ORE 13808		7.2	4.07	127.19	29.3	-97.89	0.23
ORE 13809		7.3	4.76	148.75	33.6	-115.15	0.23
ORE 13810		7.2	4.90	153.13	36.1	-117.03	0.24
ORE 13811		7.3	4.83	150.94	34.9	-116.04	0.23
ORE 13812		7.2	4.47	139.69	33.9	-105.79	0.24
ORE 13813		7.4	6.00	187.50	30.5	-157.00	0.16
ORE 13814		7.5	5.70	178.13	37.7	-140.43	0.21
ORE 13815		7.4	6.03	188.44	35.9	-152.54	0.19
Maximum		7.50	6.03	188.44	37.70	-76.24	0.29
Minimum		6.80	3.15	98.44	22.20	-157.00	0.16
Mean		7.23	4.47	139.65	32.39	-107.26	0.24
Standard Deviation		0.17	0.87	27.24	4.48	24.87	0.03
10% Percentile		7.04	3.51	109.56	25.40	-147.69	0.20
90% Percentile		7.40	5.88	183.75	36.70	-81.34	0.28
Count		15	15	15	15	15	15

Project: Eskay Dump Disassembly
Client: Homestake Canada Ltd.
Location: Eskay Creek Mine
Data: ABA Data
Rock Unit: Mixed
Comments: sample numbers and raw data from T.W. Higgs Associates Ltd. (1993) and Prime Resources Group

A/B Series	Rock Type	Area	Sulphide Type%	Hardness	Foliation	Paste pH	Total %S	TAP ppt CaCO3	Sulphide %S wet digest	SAP ppt CaCO3	Sulphide %S Leco	Sulphate %S	NP ppt CaCO3	CO2 %	CaNP ppt CaCO3	(CaNP/NP)* 100%	TNNP ppt CaCO3	SNNP ppt CaCO3	TNPR	SNPR
A/B 300	4b	Decline	pyr.tr.	4	weak	8.1	0.83	25.94	0.77	24.06	0.8	0.03	125	6	14	10.91	99	101	4.82	5.19
A/B 301	4a	Decline	pyr.tr.	4	weak	8.1	0.82	25.63	0.78	24.38	0.79	0.08	208	9	20	9.84	182	184	8.12	8.53
A/B 302	4a	Decline	pyr.tr.	4	weak	8.2	1.10	34.38	0.99	30.94	1	0.04	254	11.3	26	10.11	220	223	7.39	8.21
A/B 303	4	Decline	cu. py.tr	3	medium	5.7	1.26	39.38	1.09	34.06	1.13	0.05	39.4	*0.01*	0	0.06	0	5	1.00	1.16
A/B 304	4	Decline	pyr.tr.	2	weak	8.4	0.98	30.63	0.87	27.19	0.91	0.03	17.7	0.6	1	7.71	-13	-9	0.58	0.65
A/B 305	4	Decline	pyr.3	1	strong	4.8	4.33	135.31	4.21	131.56		0.07	6.2	*0.01*	0	0.37	-129	-125	0.05	0.05
A/B 306	4	Decline	pyr.1	2	medium	6.8	2.15	67.19	1.98	61.88		0.01	22.4	*0.01*	0	0.10	-45	-39	0.33	0.36
A/B 307	4	Decline	pyr.tr.	3	weak	4.8	2.07	64.69	2.03	63.44	1.92	0.08	1.4	*0.01*	0	1.62	-63	-62	0.02	0.02
A/B 308	4	Decline	pyr.1	3	weak	5.6	1.79	55.94	1.64	51.25	1.72	0.08	13.5	*0.01*	0	0.17	-42	-38	0.24	0.26
A/B 309	4	Decline	pyr.tr.	2	weak	7.6	1.00	31.25	0.87	27.19		0.02	15.7	0.4	1	5.79	-16	-11	0.50	0.58
A/B 310	4	Decline	pyr. 1	2	medium	6.9	2.07	64.69	1.92	60.00	1.88	0.07	8.9	*0.01*	0	0.26	-56	-51	0.14	0.15
A/B 311	4	Decline	pyr.gn.3	3	medium	5.9	6.75	210.94	6.66	208.13		0.04	1.6	*0.01*	0	1.42	-209	-207	0.01	0.01
A/B 312	4	Decline	pyr.gn.3	2	strong	5.6	1.27	39.69	1.27	39.69		0.02	1.1	*0.01*	0	2.07	-39	-39	0.03	0.03
A/B 313	4	Decline	pyr.tr.	3	weak	6.4	1.44	45.00	1.39	43.44	1.39	0.03	1.6	*0.01*	0	1.42	-43	-42	0.04	0.04
A/B 314	4	Decline	pyr. 1	2	medium	5.3	2.00	62.50	1.68	52.50	1.87	0.06	6.9	*0.01*	0	0.33	-56	-46	0.11	0.13
A/B 315	4	Decline	pyr. 1	3	weak	5.5	1.78	55.63	1.64	51.25	1.74	0.06	5.3	*0.01*	0	0.43	-50	-46	0.10	0.10
A/B 316	4	Decline	pyr.tr.	3	weak	7.5	0.87	27.19	0.81	25.31		0.02	15.8	*0.01*	0	0.14	-11	-10	0.58	0.62
A/B 317	4	Decline	pyr.1	4	weak	6.9	1.43	44.69	1.30	40.63	1.30	0.05	2.9	*0.01*	0	0.78	-42	-38	0.06	0.07
A/B 318	4	Decline	pyr.tr.	2	medium	7.5	1.01	31.56	0.86	26.88		0.05	19.4				-12	-7	0.61	0.72
A/B 319	4	Decline	pyr.3	3	weak	5.7	3.84	120.00	3.71	115.94		0.06	5.5				-115	-110	0.05	0.05
A/B 320	4b	Decline	pyr.tr.	3	weak	7.3	1.2	37.50	1.06	33.13		0.04	18.5	*0.01*	0	0.12	-19	-15	0.49	0.56
A/B 321	4	Decline	pyr.tr.	3	medium	7.7	1.24	38.75	1.08	33.75		*0.005*	11.7				-27	-22	0.30	0.35
A/B 322	4	Decline	pyr.tr.	3	weak	5.6	1.30	40.63	1.22	38.13		0.06	0.3	*0.01*	0	7.58	-40	-38	0.01	0.01
A/B 323	4	Decline	pyr.tr.	3	weak	6.6	1.09	34.06	1.02	31.88		0.03	3.4	*0.01*	0	0.67	-31	-28	0.10	0.11
A/B 324	4	Decline	pyr.1	3	weak	5.4	2.56	80.00	2.51	78.44		0.07	0.7	*0.01*	0	3.25	-79	-78	0.01	0.01
A/B 325	4	Decline	pyr.tr.	3	weak	7.7	0.44	13.75	0.35	10.94		0.02	9.7				-4	-1	0.71	0.89
A/B 326	4	Decline	pyr. 1	2	medium	4.6	9.83	307.19	9.66	301.88	9.63	0.15	7.9				-299	-294	0.03	0.03
A/B 327	4	Decline	pyr.tr.	3	weak	8.0	1.10	34.38	0.92	28.75		0.05	23.5				-11	-5	0.68	0.82
A/B 328	4	Decline	pyr.tr.	3	medium	7.7	2.61	81.56	2.48	77.50		0.05	48.1				-33	-29	0.59	0.62
A/B 329	4	830 X-Cut	pyr.1	3	medium	5.4	1.56	48.75	1.52	47.50		0.03	2.1	*0.01*	0	1.08	-47	-45	0.04	0.04
A/B 330	4	830 X-Cut	pyr.1	2	strong	8.3	1.27	39.69	1.19	37.19	1.27	0.01	28.4	0.3	1	2.40	-11	-9	0.72	0.76
A/B 331	4	830 X-Cut	pyr.1	2	strong	7.2	3.73	116.56	3.09	96.56	3.53	0.07	61.4	0.5	1	1.85	-55	-35	0.53	0.64
A/B 332	2	830 X-Cut	pyr.tr.	3	medium	7.5	3.2	100.00	2.9	90.63	2.94	0.11	238.0	10.2	23	9.74	138	147	2.38	2.63
A/B 333	4	867 X-Out	pyr.tr.	3	medium	7.7	2.28	71.25	2.2	68.75	2.16	0.03	12.7	0.7	2	12.53	-59	-56	0.18	0.18
A/B 334	4	867 X-Cut	pyr.tr.	2	strong	6.9	2.84	88.75	1.89	59.06	2.74	0.12	22.8	0.5	1	4.98	-66	-36	0.26	0.39
A/B 335	2	867 X-Cut	pyr.tr.	3	weak	7.3	3.02	94.38	2.67	83.44	2.71	0.10	108.0	3.9	9	8.21	14	25	1.14	1.29
A/B 336	2	867 X-Cut	pyr-tr.	3	weak	7.6	2.60	81.25	2.35	73.44	2.45	0.06	116.0	3.9	9	7.64	35	43	1.43	1.58
A/B 337	2	865 X-Cut	pyr.tr	3	weak	7.7	1.63	50.94	1.44	45.00	1.54	0.1	59.4	2.2	5	8.42	8	14	1.17	1.32
Maximum						9.83	307.19	9.66	301.88	9.63	0.15	254.00	11.30	25.68	12.53	220	223.06	8	9		
Minimum						0.44	13.75	0.35	10.94	0.79	0.01	0.30	0.01	0.02	0.06	-299	-293.98	0	0		
Mean						2.17	67.67	2.00	62.52	2.16	0.05	40.66	1.60	3.64	3.94	-27	-21.86	1	1		
Standard Deviation						1.74	54.44	1.71	53.55	1.82	0.03	64.55	3.14	7.14	4.00	88	87.84	2	2		
10% Percentile						0.95	29.59	0.85	26.41	0.91	0.02	1.54	0.01	0.02	0.14	-90	-87.55	0	0		
90% Percentile						3.76	117.59	3.28	102.38	2.94	0.10	118.70	6.00	13.64	9.84	54	60.08	2	2		
Count						38	38	38	38	21	38	38	31	31	31	38	38	38	38		

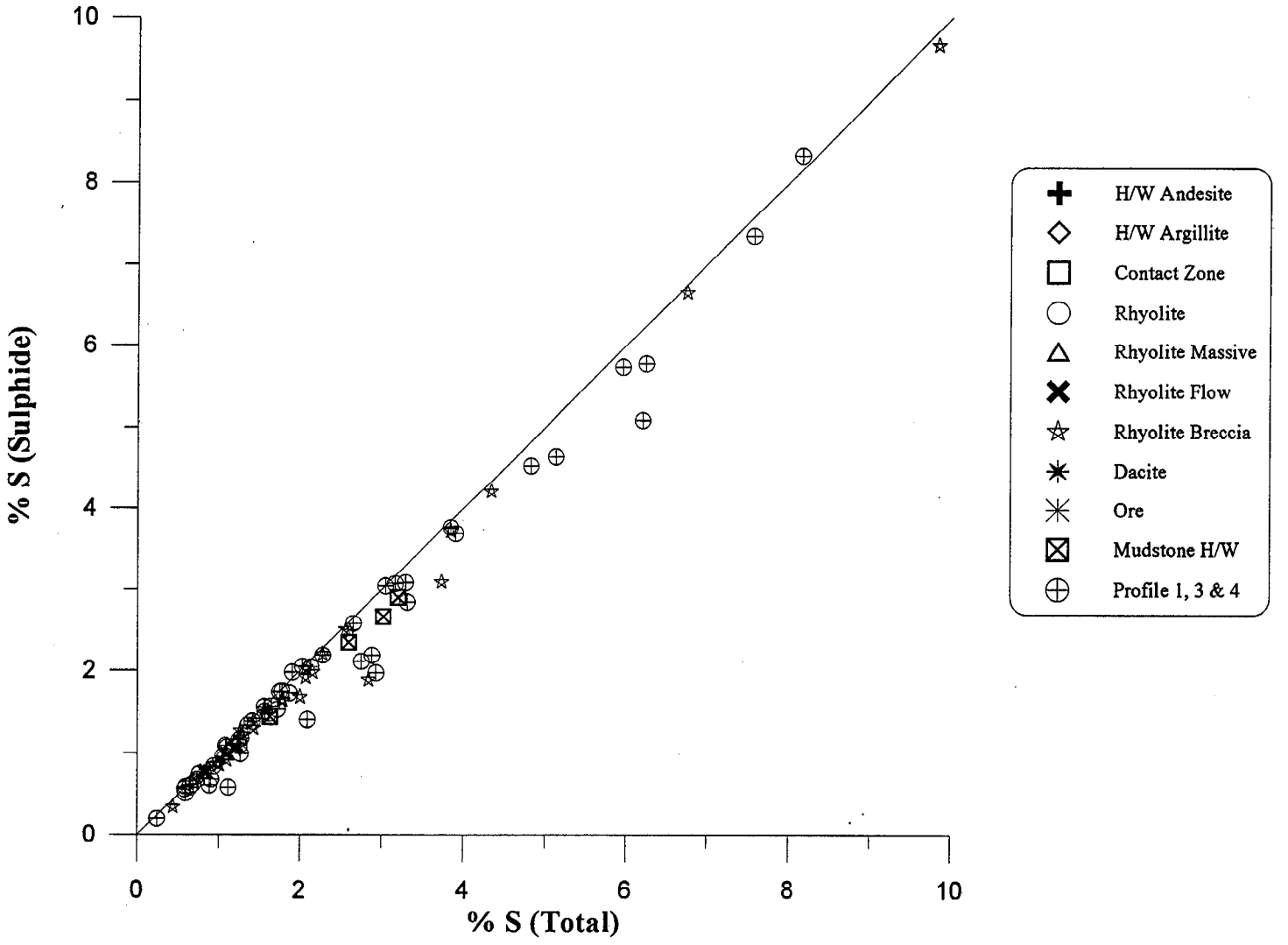
TYPE
2 = Mudstone/HW Argillite
4 = Rhyolite Breccia
4a = Rhyolite Massive
4b = Rhyolite Flow

HARDNESS
1= soft & pliable
2 = soft
3 = normal
4 = hard

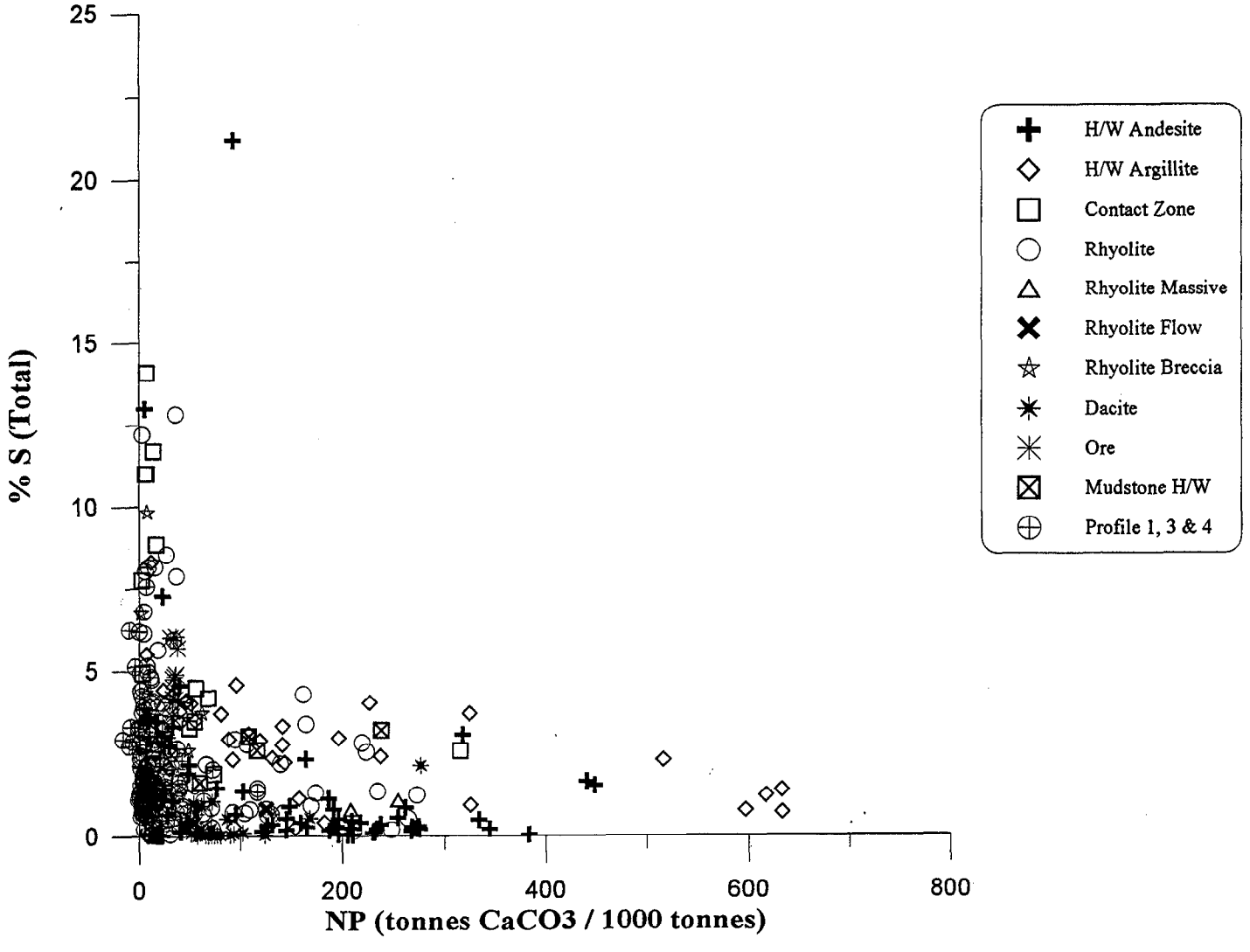
SULPHIDE
pyr. = pyrite
tr. = trace
cu.py. = chalcopyrite
value* = est. % sulphur

A2. Scatterplots of ABA Data

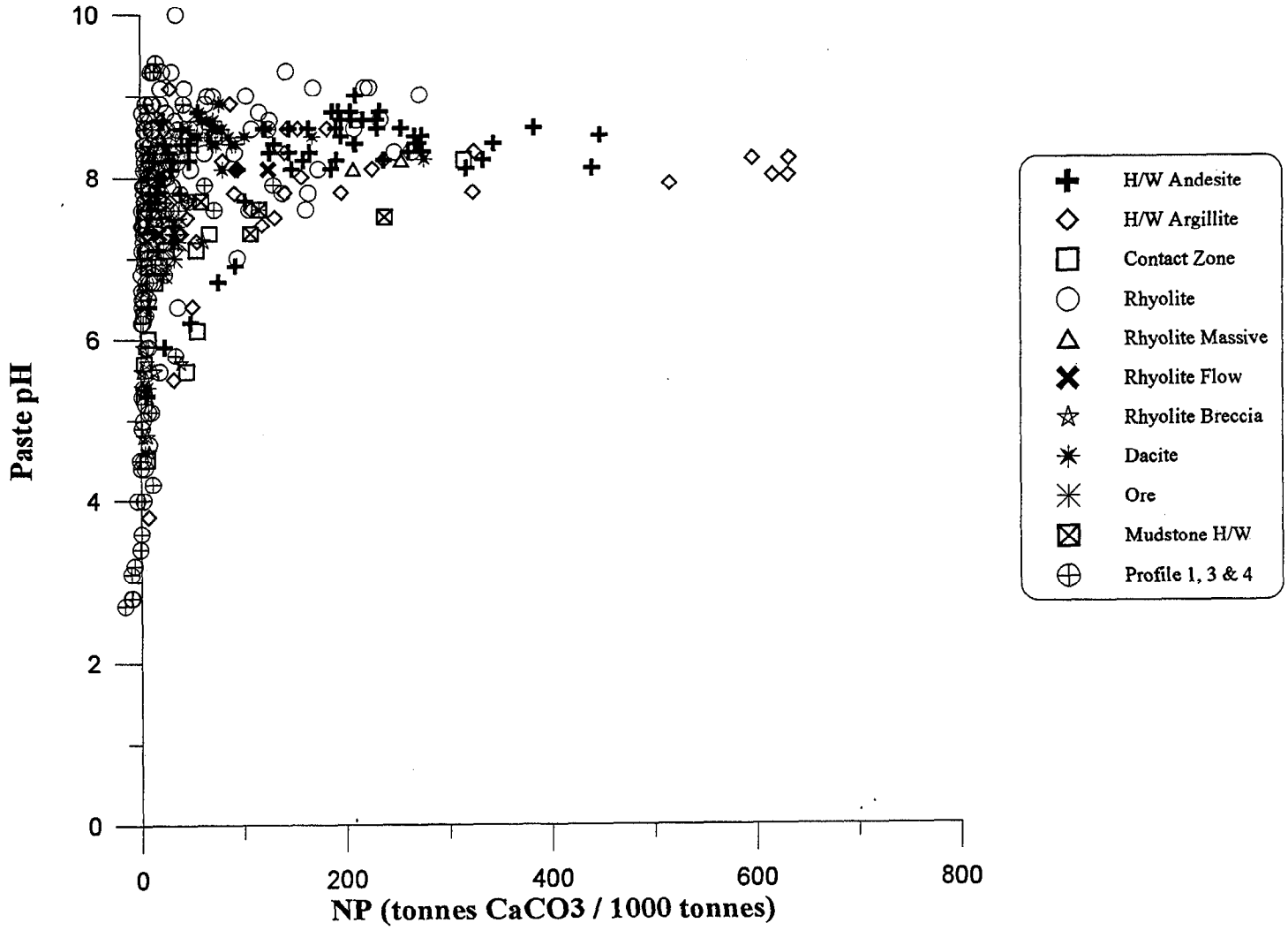
% S (Sulphide) vs % S (Total)

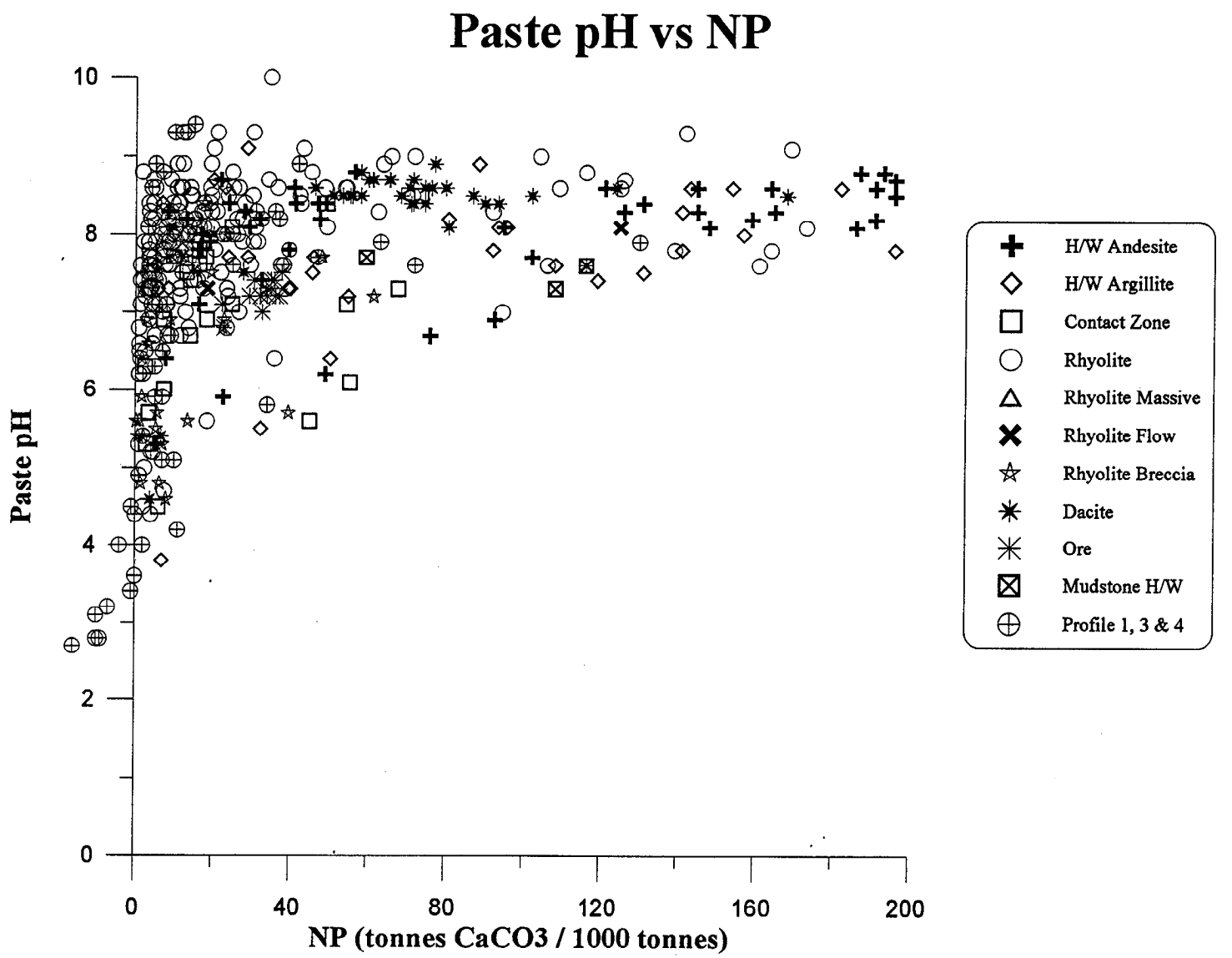


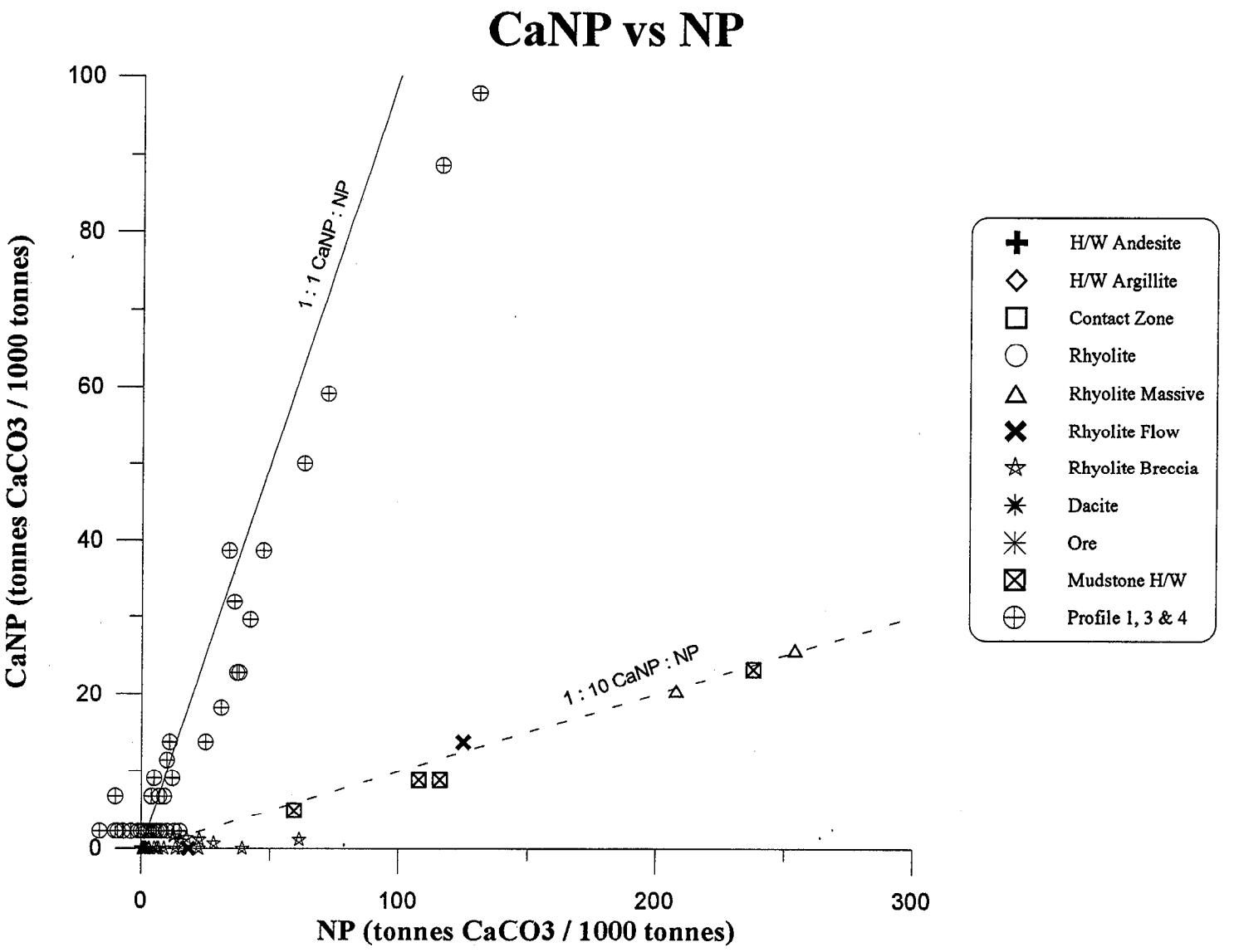
% S (Total) vs NP

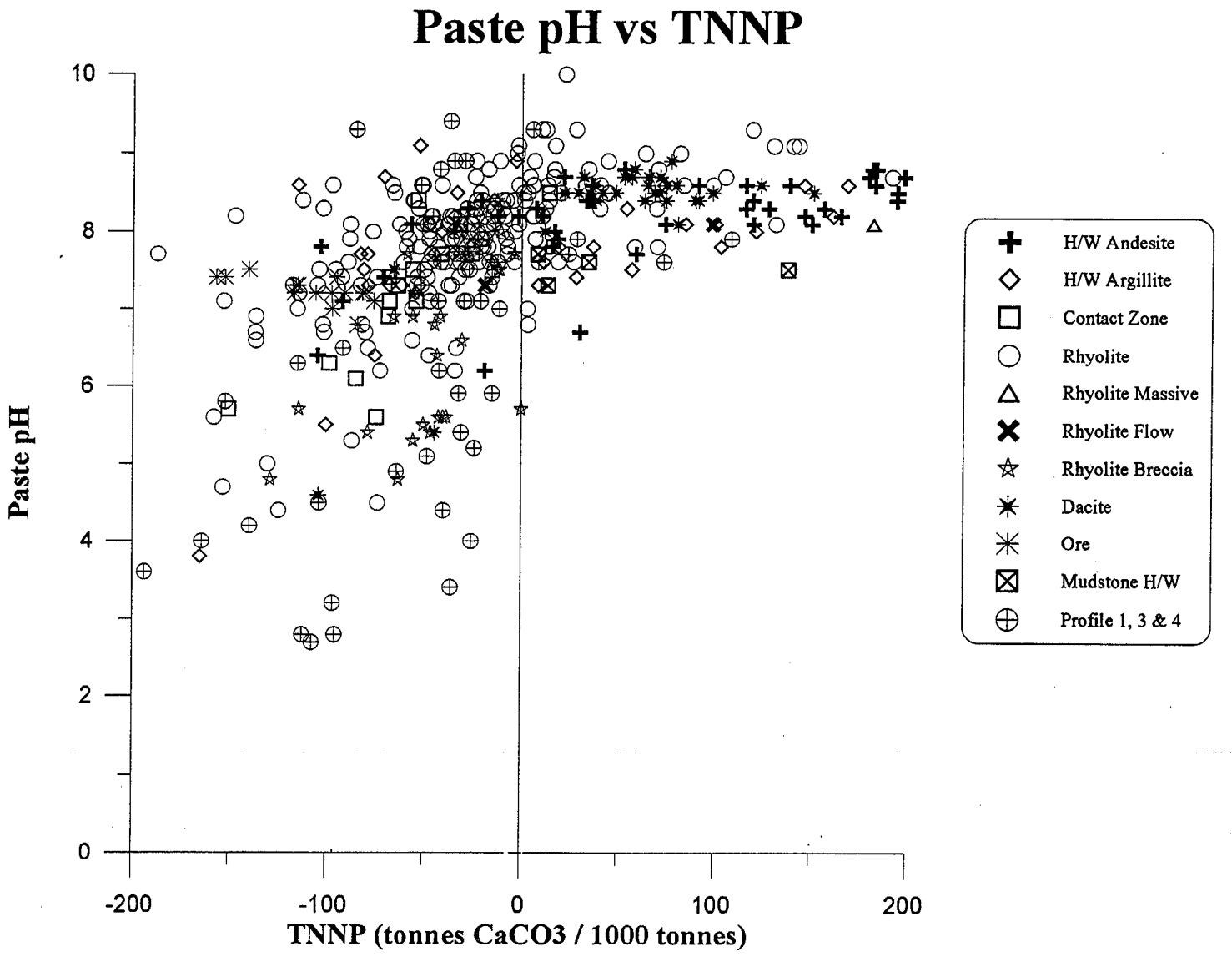

% S (Total)
25
20
15
10
5
0
0
200
400
600
800
NP (tonnes CaCO3 / 1000 tonnes)
H/W Andesite
H/W Argillite
Contact Zone
Rhyolite
Rhyolite Massive
Rhyolite Flow
Rhyolite Breccia
Dacite
Ore
Mudstone H/W
Profile 1, 3 & 4

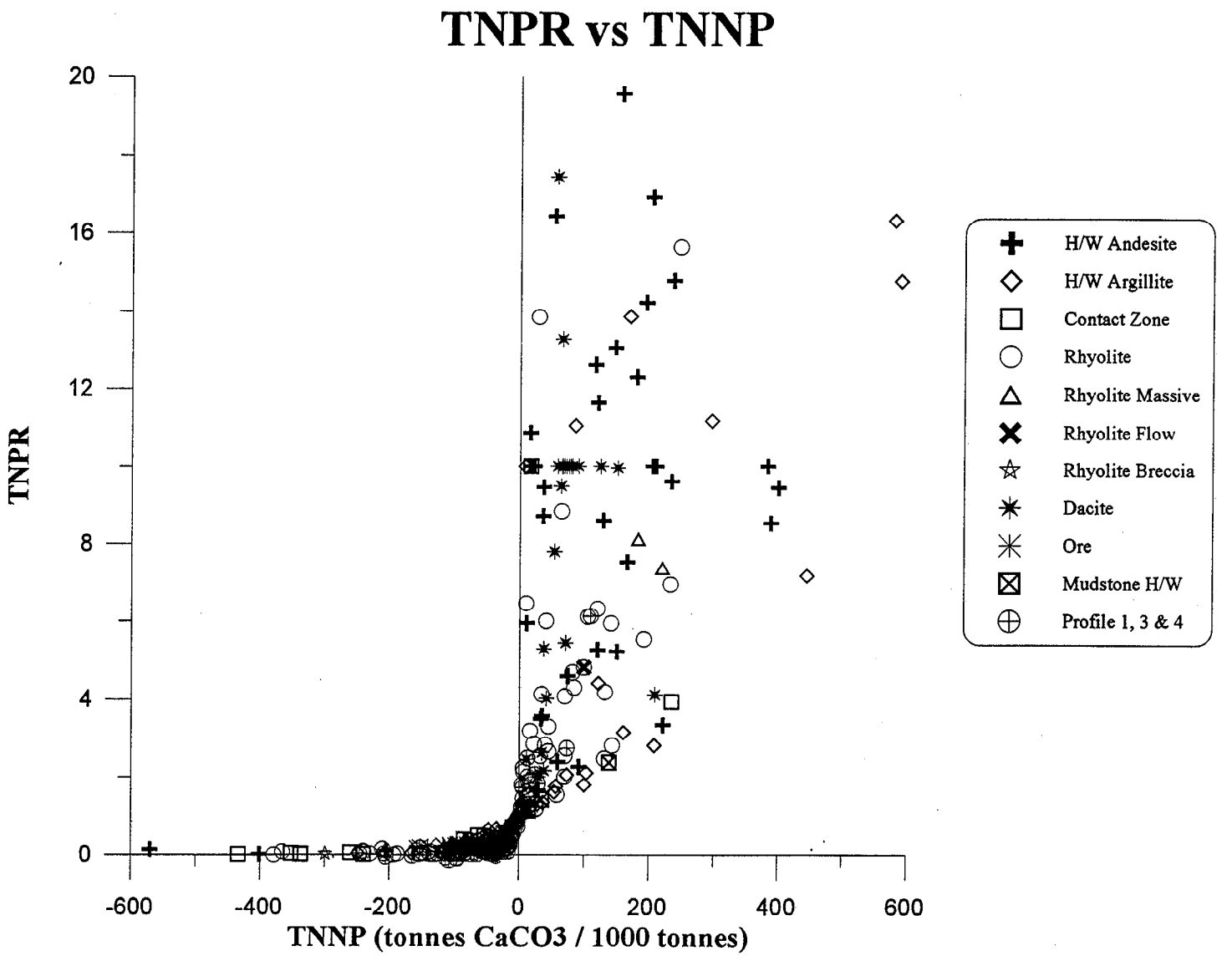
Paste pH vs NP




Paste pH vs NP
Paste pH
10
8
6
4
2
0
0
40
80
120
160
200
NP (tonnes CaCO3 / 1000 tonnes)
H/W Andesite
H/W Argillite
Contact Zone
Rhyolite
Rhyolite Massive
Rhyolite Flow
Rhyolite Breccia
Dacite
Ore
Mudstone H/W
Profile 1, 3 & 4


CaNP vs NP
CaNP (tonnes CaCO3 / 1000 tonnes)
NP (tonnes CaCO3 / 1000 tonnes)
0
20
40
60
80
100
0
100
200
300
1 : 1 CaNP : NP
1 : 10 CaNP : NP
H/W Andesite
H/W Argillite
Contact Zone
Rhyolite
Rhyolite Massive
Rhyolite Flow
Rhyolite Breccia
Dacite
Ore
Mudstone H/W
Profile 1, 3 & 4


Paste pH vs TNNP
Paste pH
10
8
6
4
2
0
-200
-100
0
100
200
TNNP (tonnes CaCO3 / 1000 tonnes)
H/W Andesite
H/W Argillite
Contact Zone
Rhyolite
Rhyolite Massive
Rhyolite Flow
Rhyolite Breccia
Dacite
Ore
Mudstone H/W
Profile 1, 3 & 4


TNPR vs TNNP
TNPR
20
16
12
8
4
0
-600
-400
-200
0
200
400
600
TNNP (tonnes CaCO3 / 1000 tonnes)
H/W Andesite
H/W Argillite
Contact Zone
Rhyolite
Rhyolite Massive
Rhyolite Flow
Rhyolite Breccia
Dacite
Ore
Mudstone H/W
Profile 1, 3 & 4

APPENDIX

Appendix B. Unit-Weight Reaction Rates from Humidity Cells and Columns

B1. Composite #1 (Andesite; Worst-Case Net NP)

Pre-Test ABA & ICP Metals Data Eskay Creek Composite #1 (Andesite) [H/W Andesite (Worst Case Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		7.9
% S (Total)		1.98
% SO4		0.12
% S (Sulphide)		1.84
TAP (tonne CaCO3/ktonne)		62
NP (tonne CaCO3/ktonne)		23.5
CO2 (%)		0.1
CaNP (t CaCO3/ktonne)		2
NNP (tonne CaCO3/ktonne)		-38
NP/AP		0.38
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	83000
Antimony	Sb	45
Arsenic	As	160
Barium	Ba	260
Bismuth	Bi	1
Boron	B	
Cadmium	Cd	0.25
Calcium	Ca	11500
Chromium	Cr	279
Cobalt	Co	45
Copper	Cu	28
Iron	Fe	86000
Lead	Pb	36
Magnesium	Mg	46000
Manganese	Mn	575
Mercury	Hg	2
Molybdenum	Mo	5
Nickel	Ni	74
Phosphorus	P	760
Selenium	Se	0.1
Silicon	Si	22.8
Silver	Ag	3
Sodium	Na	12700
Strontium	Sr	
Vanadium	V	304
Zinc	Zn	164

Post-Test ABA & ICP Metals Data Eskay Creek Composite #1 (Andesite) [H/W Andesite (Worst Case Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		*Not Available*
TAP (tonne CaCO3/ktonne)		
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	
Antimony	Sb	
Arsenic	As	
Barium	Ba	
Beryllium	Be	
Bismuth	Bi	
Cadmium	Cd	
Calcium	Ca	
Chromium	Cr	
Cobalt	Co	*Not Available*
Copper	Cu	
Iron	Fe	
Lead	Pb	
Magnesium	Mg	
Manganese	Mn	
Mercury	Hg	
Molybdenum	Mo	
Nickel	Ni	
Phosphorus	P	
Selenium	Se	
Silicon	Si	
Silver	Ag	
Sodium	Na	
Strontium	Sr	
Vanadium	V	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown underlined, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Composite #1, H/W Andesite (Worst Case Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Total Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)***	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	06-Nov-90	295	5.19	241	1362	1.6	32.9	711	9.71	0.47	210	210	99.6	99.6
1	13-Nov-90	423	5.98	291	1021	*0.5*	13.4	556	5.67	0.21	235	445	99.3	99.2
2	20-Nov-90	435	5.69	185	849	4.9	6.7	452	2.91	2.13	197	642	98.9	98.8
3	27-Nov-90	408	5.86	270	709	6.0	5.2	371	2.12	2.45	151	793	98.7	98.6
4	04-Dec-90	410	5.55	208	633	5.0	4.9	321	2.01	2.05	132	925	98.4	98.3
5	11-Dec-90	429	5.26	227	632	4.3	6.4	307	2.75	1.84	132	1056	98.2	98.1
6	18-Dec-90	413	5.12	267	558	*0.5*	7.0	264	2.89	0.21	109	1165	98.0	97.9
7	25-Dec-90	402	4.94	239	591	*0.5*	8.9	274	3.58	0.20	110	1275	97.9	97.7
8	01-Jan-91	359	5.03	219	570	*0.5*	9.2	271	3.30	0.18	97	1373	97.7	97.5
9	08-Jan-91	430	4.7	241	485	*0.5*	9.9	227	4.26	0.22	98	1470	97.5	97.3
10	15-Jan-91	437	4.64	165	480	*0.5*	10.4	216	4.54	0.22	94	1565	97.4	97.2
11	22-Jan-91	407	4.83	252	399	*0.5*	10.1	204	4.11	0.20	83	1648	97.2	97.0
12	29-Jan-91	428	4.29	288	485	*0.5*	12.5	222	5.35	0.21	95	1743	97.1	96.8
13	05-Feb-91	415	4.46	254	530	*0.5*	13.9	239	5.77	0.21	99	1842	96.9	96.7
14	12-Feb-91	410	4.32	274	542	*0.5*	21.3	249	8.73	0.21	102	1944	96.7	96.5
15	19-Feb-91	406	4.12	307	584	*0.5*	25.3	267	10.27	0.20	108	2052	96.5	96.3
16	26-Feb-91	413	4.02	333	553	*0.5*	29.3	262	12.10	0.21	108	2161	96.4	96.1
17	05-Mar-91	410	4	350	583	*0.5*	35.0	288	14.35	0.21	118	2279	96.2	95.9
Maximum		437	5.98	350	1362	6.0	35	711	14.35	2.45	235	2279	99.6	99.6
Minimum		295	4.00	165	399	0.5	4.9	204.0	2.01	0.18	83	210	96.2	95.9
Mean		407	4.89	256	643	1.6	15	316.7	5.80	0.65	127	1366	97.7	97.5
Median		412	4.89	253	576.5	0.5	10	269.0	4.40	0.21	109	1422	97.6	97.4
Mean Last 5 Weeks		411	4.18	304	558	0.5	25	261.0	10.24	0.21	107	2056	96.5	96.3
Final Flush												2279	96.2	95.9
75% Remaining (Wks)													135	125
50% Remaining (Wks)													273	254
25% Remaining (Wks)													412	382
0% Remaining (Wks)													550	511

** If measured alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #1, H/W Andesite (Worst Case Net NP)

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:**										
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Carbonate	Remaining	Feldspar	Remaining		
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	NP	Carbonate	NP	Feldspar	NP	NP
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
												(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)
0	06-Nov-90	0.002	493.2	0.768	1.070	0.787	218.5	219.4	99.07	219.0	99.07	233.7	99.01	171.9	99.27	427.3	98.18
1	13-Nov-90	0.001	1199.3	0.730	1.038	0.749	245.0	245.4	98.02	245.2	98.02	254.2	97.92	183.6	98.49	484.3	96.12
2	20-Nov-90	0.010	107.0	0.799	1.116	0.819	204.8	209.1	97.13	206.9	97.14	228.6	96.95	167.8	97.77	406.7	94.39
3	27-Nov-90	0.016	88.6	1.050	1.379	1.081	157.7	162.6	96.44	160.1	96.46	217.5	96.03	170.5	97.05	313.2	93.06
4	04-Dec-90	0.015	57.0	0.594	0.856	0.606	137.1	141.2	95.84	139.1	95.87	117.4	95.53	83.1	96.69	272.2	91.90
5	11-Dec-90	0.013	77.5	0.819	1.046	0.826	137.2	140.9	95.24	139.0	95.28	143.5	94.92	113.4	96.21	271.6	90.74
6	18-Dec-90	0.002					113.6	114.0	94.76	113.8	94.79	119.7	94.41	96.4	95.80	224.3	89.79
7	25-Dec-90	0.002					114.7	115.1	94.27	114.9	94.31	119.7	93.90	96.4	95.39	225.9	88.83
8	01-Jan-91	0.002					101.3	101.7	93.83	101.5	93.87	119.7	93.39	96.4	94.98	199.4	87.98
9	08-Jan-91	0.002	443.3	0.767	0.943	0.780	101.7	102.1	93.40	101.9	93.44	95.9	92.98	79.3	94.64	199.1	87.13
10	15-Jan-91	0.002					98.3	98.8	92.98	98.5	93.02	80.4	92.64	62.2	94.38	192.1	86.31
11	22-Jan-91	0.002					86.5	86.9	92.61	86.7	92.65	80.4	92.30	62.2	94.11	168.9	85.60
12	29-Jan-91	0.002	298.0	0.439	0.655	0.455	99.0	99.4	92.18	99.2	92.23	64.8	92.02	45.1	93.92	192.6	84.78
13	05-Feb-91	0.002					103.3	103.7	91.74	103.5	91.79	80.4	91.68	62.2	93.66	200.9	83.92
14	12-Feb-91	0.002					106.3	106.8	91.29	106.5	91.34	80.4	91.34	62.2	93.39	204.0	83.05
15	19-Feb-91	0.002	495.7	0.653	0.901	0.661	112.9	113.3	90.81	113.1	90.85	101.8	90.90	74.7	93.08	215.6	82.14
16	26-Feb-91	0.002	510.6	0.679	0.947	0.684	112.7	113.1	90.33	112.9	90.37	106.7	90.45	77.1	92.75	213.3	81.23
17	05-Mar-91	0.002	492.7	0.577	0.831	0.583	123.0	123.4	89.80	123.2	89.85	102.3	90.01	71.7	92.44	231.7	80.24
Maximum		0.016	1199.3	1.050	1.379	1.081	245.0	245.4	99.07	245.2	99.07	254.2	99.01	183.6	99.27	484.3	98.18
Minimum		0.001	57.0	0.439	0.655	0.455	86.5	86.9	89.80	86.7	89.85	64.8	90.01	45.1	92.44	168.9	80.24
Mean		0.004	387.5	0.716	0.980	0.730	131.9	133.2	93.87	132.5	93.91	130.4	93.69	98.7	95.22	257.9	88.08
Median		0.002	443.3	0.730	0.947	0.749	113.2	113.7	93.62	113.5	93.66	112.0	93.18	81.2	94.81	219.9	87.56
Mean Last 5 Weeks		0.002	499.6	0.636	0.893	0.643	111.7	112.1	90.79	111.9	90.84	94.3	90.88	69.6	93.06	213.1	82.12
Final Flush									89.80		89.85		90.01		92.44		80.24
75% Remaining (Wks)									49		49		55		77		24
50% Remaining (Wks)									101		102		118		161		51
25% Remaining (Wks)									154		154		180		246		79
0% Remaining (Wks)									206		207		242		330		107

*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used to calculate Molar Ratio NP Consumption values.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #1, H/W Andesite (Worst Case Net NP)

		Dissolved Metals*:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(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)
0	06-Nov-90	2	0.04	*0.01*	0.136	*0.02*	6.42	0.039	227.8	*0.0025*	1.963	0.057	10.21	0.08	53.5	2.343	*0.005*	0.004	2.096	0.44	0.75	*0.0015*	6.4	0.386	3.431
1	13-Nov-90	0.74	0.03	*0.01*	0.086	*0.02*	4.62	0.009	169.4	0.005	0.304	0.029	0.682	0.07	42.9	0.911	*0.005*	0.01	0.287	0.21	0.73	*0.0015*	5.1	0.284	0.156
2	20-Nov-90	0.3	*0.01*	*0.01*	0.072	*0.02*	3.39	*0.001*	150.6	0.009	0.339	0.02	0.17	*0.01*	36	0.96	*0.005*	0.004	0.283	0.28	0.74	*0.0015*	4.5	0.238	0.203
3	27-Nov-90	0.73	*0.01*	*0.01*	0.073	*0.02*	3.5	*0.001*	162.6	0.007	0.458	0.014	0.094	*0.01*	30.5	1.095	*0.005*	*0.0015*	0.36	0.43	1.12	*0.0015*	5.5	0.198	0.248
4	04-Dec-90	0.64	*0.01*	*0.01*	0.037	*0.02*	2.15	0.003	79.6	*0.0025*	0.339	0.011	0.125	*0.01*	21	0.76	*0.005*	*0.0015*	0.247	0.42	0.76	*0.0015*	1.8	0.162	0.17
5	11-Dec-90	0.67	*0.01*	0.03	0.035	*0.02*	2.13	*0.0015*	104.9	*0.0025*	0.433	0.018	0.633	*0.01*	17.3	0.95	*0.005*	0.004	0.322	0.03	0.75	*0.0015*	1.1	0.135	0.288
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.86	0.05	*0.01*	0.036	*0.02*	1.58	0.005	72.6	0.03	0.672	0.048	1.318	0.04	9.8	1.117	*0.005*	*0.0015*	0.412	0.3	0.85	*0.0015*	1.5	0.13	0.444
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.74	*0.01*	*0.01*	0.038	*0.02*	1.72	0.006	40.7	*0.0025*	1.118	0.059	0.86	*0.01*	11.5	1.886	*0.005*	*0.0015*	0.68	0.39	1.24	*0.0015*	1.7	0.155	0.788
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	2.83	*0.01*	0.03	0.045	*0.02*	1.89	0.007	72.7	0.01	1.734	0.151	1.16	*0.01*	16.1	2.311	*0.005*	*0.0015*	1.037	1	1.54	*0.0015*	1.1	0.159	1.178
16	26-Feb-91	3.6	*0.01*	*0.01*	0.044	*0.02*	2.06	0.011	74.2	0.007	1.951	0.109	0.82	*0.01*	17	2.5	*0.005*	0.001	1.178	0.94	1.58	*0.0015*	0.7	0.154	1.363
17	05-Mar-91	4.2	0.03	*0.01*	0.063	*0.02*	2.04	0.015	69.3	0.019	2.108	0.145	0.72	0.04	17.8	2.511	*0.005*	0.006	1.327	0.82	1.45	*0.0015*	0.9	0.126	1.664
Maximum		4.20	0.05	0.03	0.136	0.02	6.42	0.039	227.8	0.0300	2.108	0.151	10.21	0.08	53.5	2.511	0.005	0.01	2.096	1	1.6	0.0015	6.4	0.386	3.431
Minimum		0.30	0.01	0.01	0.035	0.02	1.58	0.001	40.7	0.0025	0.304	0.011	0.094	0.01	9.8	0.760	0.005	0.0010	0.247	0.03	0.73	0.0015	0.7	0.126	0.156
Mean		1.6	0.02	0.01	0.060	0.02	2.86	0.009	111.3	0.0088	1.038	0.060	1.527	0.03	24.9	1.577	0.005	0.003	0.748	0.48	1.0	0.0015	2.75	0.193	0.903
Median		0.7	0.01	0.01	0.045	0.02	2.13	0.006	79.6	0.0070	0.672	0.048	0.720	0.01	17.8	1.117	0.005	0.002	0.412	0.42	0.9	0.0015	1.7	0.159	0.444
Mean Last 5 Weeks		3.5	0.02	0.02	0.051	0.02	2.00	0.011	72.1	0.0120	1.931	0.135	0.900	0.02	17.0	2.441	0.005	0.003	1.181	0.92	1.5	0.0015	0.9	0.146	1.402
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #1, H/W Andesite (Worst Case Net NP)

		Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	06-Nov-90	0.590	0.012	0.003	0.040	0.006	1.894	0.0115	67.2	0.001	0.579	0.017	3.01	0.024	15.8	0.69	0.0015	0.0012	0.618	0.130	0.221	0.000	1.89	0.114	1.012
1	13-Nov-90	0.313	0.013	0.004	0.036	0.008	1.954	0.0038	71.7	0.002	0.129	0.012	0.29	0.030	18.1	0.39	0.0021	0.0042	0.121	0.089	0.309	0.001	2.16	0.120	0.066
2	20-Nov-90	0.131	0.004	0.004	0.031	0.009	1.475	0.0004	65.5	0.004	0.147	0.009	0.07	0.004	15.7	0.42	0.0022	0.0017	0.123	0.122	0.322	0.001	1.96	0.104	0.088
3	27-Nov-90	0.298	0.004	0.004	0.030	0.008	1.428	0.0004	66.3	0.003	0.187	0.006	0.04	0.004	12.4	0.45	0.0020	0.0006	0.147	0.175	0.457	0.001	2.24	0.081	0.101
4	04-Dec-90	0.262	0.004	0.004	0.015	0.008	0.882	0.0012	32.6	0.001	0.139	0.005	0.05	0.004	8.6	0.31	0.0021	0.0006	0.101	0.172	0.312	0.001	0.74	0.066	0.070
5	11-Dec-90	0.287	0.004	0.013	0.015	0.009	0.914	0.0006	45.0	0.001	0.186	0.008	0.27	0.004	7.4	0.41	0.0021	0.0017	0.138	0.013	0.322	0.001	0.47	0.058	0.124
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.370	0.022	0.004	0.015	0.009	0.679	0.0022	31.2	0.013	0.289	0.021	0.57	0.017	4.2	0.48	0.0022	0.0006	0.177	0.129	0.366	0.001	0.65	0.056	0.191
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.317	0.004	0.004	0.016	0.009	0.736	0.0026	17.4	0.001	0.479	0.025	0.37	0.004	4.9	0.81	0.0021	0.0006	0.291	0.167	0.531	0.001	0.73	0.066	0.337
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	1.149	0.004	0.012	0.018	0.008	0.767	0.0028	29.5	0.004	0.704	0.061	0.47	0.004	6.5	0.94	0.0020	0.0006	0.421	0.406	0.625	0.001	0.45	0.065	0.478
16	26-Feb-91	1.487	0.004	0.004	0.018	0.008	0.851	0.0045	30.6	0.003	0.806	0.045	0.34	0.004	7.0	1.03	0.0021	0.0004	0.487	0.388	0.653	0.001	0.29	0.064	0.563
17	05-Mar-91	1.722	0.012	0.004	0.026	0.008	0.836	0.0062	28.4	0.008	0.864	0.059	0.30	0.016	7.3	1.03	0.0021	0.0025	0.544	0.336	0.595	0.001	0.37	0.052	0.682
Maximum		1.722	0.022	0.013	0.040	0.009	1.954	0.0115	71.7	0.013	0.864	0.061	3.01	0.030	18.1	1.03	0.0022	0.0042	0.618	0.406	0.653	0.001	2.24	0.120	1.012
Minimum		0.131	0.004	0.003	0.015	0.006	0.679	0.0004	17.4	0.001	0.129	0.005	0.04	0.004	4.2	0.31	0.0015	0.0004	0.101	0.013	0.221	0.000	0.29	0.052	0.066
Mean		0.630	0.008	0.006	0.024	0.008	1.129	0.0033	44.1	0.004	0.410	0.024	0.53	0.011	9.8	0.63	0.0020	0.0014	0.288	0.193	0.428	0.001	1.08	0.077	0.337
Median		0.317	0.004	0.004	0.018	0.008	0.882	0.0026	32.6	0.003	0.289	0.017	0.30	0.004	7.4	0.48	0.0021	0.0006	0.177	0.167	0.366	0.001	0.73	0.066	0.191
Mean Last 5 Weeks		1.453	0.007	0.007	0.021	0.008	0.818	0.0045	29.5	0.005	0.791	0.055	0.37	0.008	7.0	1.00	0.0020	0.0012	0.484	0.377	0.624	0.001	0.37	0.060	0.574
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #1, H/W Andesite (Worst Case Net NP)

		Cumulative Metal Leach Rates:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	06-Nov-90	0.590	0.012	0.003	0.040	0.006	1.894	0.012	67.2	0.001	0.579	0.017	3.012	0.024	15.8	0.691	1E-03	0.001	0.618	0.130	0.221	0.000	1.9	0.114	1.012
1	13-Nov-90	0.903	0.024	0.007	0.076	0.014	3.848	0.015	138.9	0.003	0.708	0.029	3.300	0.053	33.9	1.077	4E-03	0.005	0.740	0.219	0.530	0.001	4.0	0.234	1.078
2	20-Nov-90	1.034	0.029	0.012	0.108	0.023	5.323	0.016	204.4	0.007	0.855	0.038	3.374	0.058	49.6	1.494	6E-03	0.007	0.863	0.340	0.852	0.002	6.0	0.338	1.166
3	27-Nov-90	1.331	0.033	0.016	0.138	0.031	6.751	0.016	270.7	0.010	1.042	0.043	3.413	0.062	62.0	1.941	8E-03	0.008	1.010	0.516	1.309	0.002	8.2	0.418	1.268
4	04-Dec-90	1.594	0.037	0.020	0.153	0.039	7.632	0.017	303.3	0.011	1.181	0.048	3.464	0.066	70.6	2.252	1E-02	0.008	1.111	0.688	1.621	0.003	9.0	0.485	1.337
5	11-Dec-90	1.881	0.041	0.033	0.168	0.048	8.546	0.018	348.3	0.012	1.367	0.056	3.736	0.070	78.1	2.660	1E-02	0.010	1.249	0.701	1.942	0.004	9.5	0.543	1.461
6	18-Dec-90	2.210	0.054	0.041	0.183	0.057	9.343	0.019	386.5	0.019	1.604	0.070	4.155	0.081	83.9	3.104	1E-02	0.011	1.407	0.772	2.286	0.004	10.0	0.600	1.618
7	25-Dec-90	2.538	0.067	0.050	0.198	0.065	10.139	0.021	424.6	0.026	1.841	0.084	4.574	0.092	89.7	3.548	2E-02	0.012	1.564	0.843	2.630	0.005	10.6	0.656	1.775
8	01-Jan-91	2.867	0.080	0.058	0.214	0.074	10.936	0.022	462.7	0.033	2.079	0.098	4.993	0.102	95.5	3.992	2E-02	0.014	1.722	0.914	2.973	0.006	11.1	0.713	1.933
9	08-Jan-91	3.237	0.101	0.063	0.229	0.082	11.615	0.024	493.9	0.046	2.368	0.119	5.560	0.119	99.7	4.472	2E-02	0.014	1.899	1.043	3.339	0.006	11.8	0.769	2.124
10	15-Jan-91	3.580	0.114	0.067	0.245	0.091	12.323	0.027	518.2	0.053	2.752	0.142	6.027	0.130	104.3	5.116	2E-02	0.015	2.133	1.191	3.787	0.007	12.5	0.830	2.388
11	22-Jan-91	3.923	0.127	0.071	0.261	0.100	13.031	0.029	542.5	0.060	3.135	0.165	6.495	0.141	108.9	5.760	2E-02	0.016	2.367	1.339	4.235	0.007	13.1	0.892	2.652
12	29-Jan-91	4.240	0.132	0.075	0.277	0.108	13.767	0.032	560.0	0.061	3.614	0.190	6.863	0.145	113.8	6.567	3E-02	0.016	2.658	1.506	4.766	0.008	13.9	0.958	2.989
13	05-Feb-91	4.973	0.136	0.084	0.294	0.116	14.519	0.034	583.4	0.063	4.205	0.233	7.282	0.149	119.5	7.440	3E-02	0.017	3.014	1.792	5.344	0.009	14.5	1.023	3.397
14	12-Feb-91	5.706	0.140	0.092	0.312	0.125	15.270	0.037	606.9	0.066	4.796	0.277	7.702	0.154	125.2	8.312	3E-02	0.017	3.371	2.079	5.922	0.009	15.1	1.089	3.804
15	19-Feb-91	6.855	0.144	0.104	0.330	0.133	16.038	0.040	636.4	0.070	5.500	0.338	8.173	0.158	131.8	9.251	3E-02	0.018	3.792	2.485	6.547	0.010	15.5	1.153	4.283
16	26-Feb-91	8.342	0.148	0.108	0.348	0.141	16.889	0.044	667.0	0.073	6.306	0.383	8.511	0.162	138.8	10.283	4E-02	0.018	4.278	2.873	7.199	0.011	15.8	1.217	4.846
17	05-Mar-91	10.064	0.160	0.112	0.374	0.149	17.725	0.051	695.5	0.080	7.170	0.442	8.806	0.178	146.1	11.313	4E-02	0.021	4.822	3.209	7.794	0.011	16.2	1.269	5.528
Maximum		10.064	0.160	0.112	0.374	0.149	17.725	0.051	695.5	0.080	7.170	0.442	8.806	0.178	146.1	11.313	4E-02	0.021	4.822	3.209	7.794	0.011	16.2	1.269	5.528
Minimum		0.590	0.012	0.003	0.040	0.006	1.894	0.012	67.2	0.001	0.579	0.017	3.012	0.024	15.8	0.691	1E-03	0.001	0.618	0.130	0.221	0.000	1.9	0.114	1.012
Mean		3.659	0.088	0.056	0.219	0.078	10.866	0.026	439.5	0.038	2.839	0.154	5.524	0.108	92.6	4.960	2E-02	0.013	2.146	1.258	3.516	0.006	11.0	0.739	2.481
Median		3.052	0.091	0.060	0.221	0.078	11.276	0.023	478.3	0.039	2.223	0.109	5.276	0.111	97.6	4.232	2E-02	0.014	1.811	0.978	3.156	0.006	11.5	0.741	2.028
Mean Last 5 Weeks		7.188	0.146	0.100	0.331	0.133	16.088	0.041	637.8	0.070	5.596	0.335	8.095	0.160	132.3	9.320	3E-02	0.018	3.855	2.487	6.561	0.010	15.4	1.150	4.372
Final Flush		10.064	0.160	0.112	0.374	0.149	17.725	0.051	695.5	0.080	7.170	0.442	8.806	0.178	146.1	11.313	4E-02	0.021	4.822	3.209	7.794	0.011	16.2	1.269	5.528
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #1, H/W Andesite (Worst Case Net NP)

		Remaining Metal:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0	06-Nov-90	100.00	99.97	100.00	99.98	99.41	NA	95.40	99.42	100.00	98.71	99.94	100.00	99.93	99.97	99.88	99.93	99.98	99.16	99.98	99.03	100.0	99.99	NA	99.38
1	13-Nov-90	100.00	99.95	100.00	99.97	98.56	NA	93.88	98.79	100.00	98.43	99.90	100.00	99.85	99.93	99.81	99.82	99.89	99.00	99.97	97.68	100.0	99.97	NA	99.34
2	20-Nov-90	100.00	99.94	99.99	99.96	97.69	NA	93.70	98.22	100.00	98.10	99.87	100.00	99.84	99.89	99.74	99.71	99.86	98.83	99.96	96.26	99.9	99.95	NA	99.29
3	27-Nov-90	100.00	99.93	99.99	99.95	96.88	NA	93.54	97.65	100.00	97.68	99.84	100.00	99.83	99.87	99.66	99.61	99.84	98.64	99.93	94.26	99.9	99.94	NA	99.23
4	04-Dec-90	100.00	99.92	99.99	99.94	96.06	NA	93.05	97.36	100.00	97.38	99.83	100.00	99.82	99.85	99.61	99.51	99.83	98.50	99.91	92.89	99.9	99.93	NA	99.18
5	11-Dec-90	100.00	99.91	99.98	99.94	95.20	NA	92.79	96.97	100.00	96.96	99.80	100.00	99.81	99.83	99.54	99.40	99.80	98.31	99.91	91.48	99.9	99.93	NA	99.11
6	18-Dec-90	100.00	99.88	99.97	99.93	94.34	NA	92.23	96.64	99.99	96.44	99.75	100.00	99.78	99.82	99.46	99.29	99.77	98.10	99.90	89.97	99.9	99.92	NA	99.01
7	25-Dec-90	100.00	99.85	99.97	99.92	93.48	NA	91.67	96.31	99.99	95.91	99.70	99.99	99.75	99.80	99.38	99.19	99.75	97.89	99.89	88.47	99.8	99.92	NA	98.92
8	01-Jan-91	100.00	99.82	99.96	99.92	92.62	NA	91.11	95.98	99.99	95.38	99.65	99.99	99.72	99.79	99.31	99.08	99.73	97.67	99.88	86.96	99.8	99.91	NA	98.82
9	08-Jan-91	100.00	99.77	99.96	99.91	91.76	NA	90.25	95.71	99.98	94.74	99.58	99.99	99.67	99.78	99.22	98.97	99.71	97.43	99.86	85.36	99.8	99.91	NA	98.71
10	15-Jan-91	100.00	99.75	99.96	99.91	90.91	NA	89.31	95.49	99.98	93.89	99.49	99.99	99.64	99.77	99.11	98.86	99.70	97.12	99.84	83.39	99.8	99.90	NA	98.54
11	22-Jan-91	100.00	99.72	99.96	99.90	90.05	NA	88.37	95.28	99.98	93.03	99.41	99.99	99.61	99.76	99.00	98.76	99.69	96.80	99.82	81.43	99.8	99.90	NA	98.38
12	29-Jan-91	99.99	99.71	99.95	99.89	89.19	NA	87.34	95.13	99.98	91.97	99.32	99.99	99.60	99.75	98.86	98.65	99.68	96.41	99.80	79.10	99.7	99.89	NA	98.18
13	05-Feb-91	99.99	99.70	99.95	99.89	88.36	NA	86.26	94.93	99.98	90.66	99.17	99.99	99.59	99.74	98.71	98.54	99.66	95.93	99.76	76.56	99.7	99.89	NA	97.93
14	12-Feb-91	99.99	99.69	99.94	99.88	87.52	NA	85.17	94.72	99.98	89.34	99.01	99.99	99.57	99.73	98.55	98.44	99.65	95.45	99.73	74.03	99.7	99.88	NA	97.68
15	19-Feb-91	99.99	99.68	99.93	99.87	86.71	NA	84.04	94.47	99.97	87.78	98.79	99.99	99.56	99.71	98.39	98.34	99.64	94.88	99.67	71.29	99.7	99.88	NA	97.39
16	26-Feb-91	99.99	99.67	99.93	99.87	85.89	NA	82.22	94.20	99.97	85.99	98.63	99.99	99.55	99.70	98.21	98.24	99.63	94.22	99.62	68.42	99.6	99.88	NA	97.05
17	05-Mar-91	99.99	99.64	99.93	99.86	85.07	NA	79.76	93.95	99.97	84.07	98.42	99.99	99.51	99.68	98.03	98.13	99.58	93.48	99.58	65.82	99.6	99.87	NA	96.63
																								NA	
Maximum		100.00	99.97	100.00	99.98	99.41	NA	95.40	99.42	100.00	98.71	99.94	100.00	99.93	99.97	99.88	99.93	99.98	99.16	99.98	99.03	100.0	99.99	NA	99.38
Minimum		99.99	99.64	99.93	99.86	85.07	NA	79.76	93.95	99.97	84.07	98.42	99.99	99.51	99.68	98.03	98.13	99.58	93.48	99.58	65.82	99.6	99.87	NA	96.63
Mean		100.00	99.80	99.96	99.92	92.21	NA	89.45	96.18	99.99	93.69	99.45	99.99	99.70	99.80	99.14	99.03	99.74	97.10	99.83	84.58	99.8	99.91	NA	98.49
Median		100.00	99.80	99.96	99.91	92.19	NA	90.68	95.84	99.99	95.06	99.61	99.99	99.69	99.79	99.26	99.02	99.72	97.55	99.87	86.16	99.8	99.91	NA	98.76
Mean Last 5 Weeks		99.99	99.68	99.94	99.87	86.71	NA	83.49	94.45	99.97	87.57	98.80	99.99	99.56	99.71	98.38	98.34	99.63	94.79	99.67	71.22	99.7	99.88	NA	97.33
Final Flush		99.99	99.64	99.93	99.86	85.07	NA	79.76	93.95	99.97	84.07	98.42	99.99	99.51	99.68	98.03	98.13	99.58	93.48	99.58	65.82	99.6	99.87	NA	96.63
75% Remaining (Wks)		14296	1642	5881	3131	30	NA	21	92	14197	23	137	58375	1094	1651	150	244	1077	46	514	15	1220	8596	NA	80
50% Remaining (Wks)		28581	3289	11760	6263	61	NA	34	189	28392	37	263	116755	2192	3305	294	488	2154	85	1018	24	2441	17219	NA	151
25% Remaining (Wks)		42865	4936	17640	9394	91	NA	48	287	42587	52	390	175136	3290	4960	438	732	3231	123	1522	33	3661	25841	NA	222
0% Remaining (Wks)		57150	6583	23519	12526	122	NA	62	384	56782	66	517	233516	4388	6614	582	976	4308	161	2026	42	4882	34463	NA	294

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B2. Composite #2 (Andesite; Mean Condition Net NP)

Pre-Test ABA & ICP Metals Data Eskay Creek Composite #2 (Andesite) [H/W Andesite (Mean Condition Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		8.1
% S (Total)		0.38
% SO4		0.09
% S (Sulphide)		0.38
TAP (tonne CaCO3/ktonne)		12
NP (tonne CaCO3/ktonne)		104
CO2 (%)		1.7
CaNP (t CaCO3/ktonne)		39
NNP (tonne CaCO3/ktonne)		92
NP/AP		8.76
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	80800
Antimony	Sb	15
Arsenic	As	30
Barium	Ba	170
Bismuth	Bi	1
Boron	B	
Cadmium	Cd	0.25
Calcium	Ca	44800
Chromium	Cr	225
Cobalt	Co	37
Copper	Cu	30
Iron	Fe	81600
Lead	Pb	44
Magnesium	Mg	36500
Manganese	Mn	925
Mercury	Hg	0.5
Molybdenum	Mo	5
Nickel	Ni	66
Phosphorus	P	800
Selenium	Se	0.1
Silicon	Si	21.8
Silver	Ag	2
Sodium	Na	21400
Strontium	Sr	
Vanadium	V	285
Zinc	Zn	228

Post-Test ABA & ICP Metals Data Eskay Creek Composite #2 (Andesite) [H/W Andesite (Mean Condition Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		*Not Available*
% S (Total)		
% SO4		
% S (Sulphide)		
TAP (tonne CaCO3/ktonne)		
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	*Not Available*
Antimony	Sb	
Arsenic	As	
Barium	Ba	
Beryllium	Be	
Bismuth	Bi	
Cadmium	Cd	
Calcium	Ca	
Chromium	Cr	
Cobalt	Co	
Copper	Cu	
Iron	Fe	
Lead	Pb	
Magnesium	Mg	
Manganese	Mn	
Mercury	Hg	
Molybdenum	Mo	
Nickel	Ni	
Phosphorus	P	
Selenium	Se	
Silicon	Si	
Silver	Ag	
Sodium	Na	
Strontium	Sr	
Vanadium	V	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown underlined, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Composite #2, H/W Andesite (Mean Condition Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Total Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)***	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	06-Nov-90	300	7.42	376	327	41.1	4.9	110	1.47	12.33	33	33	99.7	99.7
1	13-Nov-90	394	7.85	246	503	24.5	4.5	221	1.77	9.65	87	120	98.9	98.9
2	20-Nov-90	440	7.1	171	507	23.2	4.2	206	1.85	10.21	91	211	98.2	98.2
3	27-Nov-90	421	7.43	246	396	24.1	5.7	152	2.40	10.15	64	275	97.6	97.6
4	04-Dec-90	413	7.25	147	299	20.5	2.9	111	1.20	8.47	46	321	97.2	97.2
5	11-Dec-90	429	7.11	177	276	23.6	2.9	87	1.24	10.12	37	358	96.9	96.9
6	18-Dec-90	410	7.62	199	254	21.9	2.2	88	0.90	8.98	36	394	96.5	96.5
7	25-Dec-90	398	7.48	157	293	21.2	4	102	1.59	8.44	41	435	96.2	96.2
8	01-Jan-91	360	7.46	119	310	23.8	3.6	96	1.30	8.57	35	469	95.9	95.9
9	08-Jan-91	430	7.5	144	189	21.9	2.4	57	1.03	9.42	25	494	95.7	95.7
10	15-Jan-91	432	7.6	85	178	21.9	2	52	0.86	9.46	22	516	95.5	95.5
11	22-Jan-91	417	7.41	180	163	36.6	3.7	53	1.54	15.26	22	538	95.3	95.3
12	29-Jan-91	426	7.57	175	194	26.6	1.8	55	0.77	11.33	23	562	95.1	95.1
13	05-Feb-91	405	7.47	152	207	23.4	2.4	56	0.97	9.48	23	584	94.9	94.9
14	12-Feb-91	398	7.64	139	197	22	3.1	51	1.23	8.76	20	605	94.7	94.7
15	19-Feb-91	407	7.49	168	182	21.2	1.9	53	0.77	8.63	22	626	94.5	94.5
16	26-Feb-91	408	7.38	195	172	22.4	1.8	43.6	0.73	9.14	18	644	94.4	94.4
17	05-Mar-91	401	7.4	173	172	23.3	2.2	48.6	0.88	9.34	19	663	94.2	94.2
Maximum		440	7.85	376	507	41.1	5.7	221	2.40	15.26	91	663	99.7	99.7
Minimum		300	7.10	85	163	20.5	1.8	43.6	0.73	8.44	18	33	94.2	94.2
Mean		405	7.45	181	268	24.6	3	91.2	1.25	9.87	37	436	96.2	96.2
Median		409	7.47	172	230.5	23.3	3	72.0	1.22	9.44	29	481	95.8	95.8
Mean Last 5 Weeks		404	7.48	165	186	22.5	2	50.4	0.92	9.07	20	624	94.5	94.5
Final Flush												663	94.2	94.2
75% Remaining (Wks)													125	125
50% Remaining (Wks)													265	265
25% Remaining (Wks)													405	405
0% Remaining (Wks)													544	544

** If measured alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #2, H/W Andesite (Mean Condition Net NP)

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:**				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)
0	06-Nov-90	0.359	3.8	1.183	1.366	1.240	34.4	59.0	99.94	46.7	99.96	47.0	99.95	42.6	99.96	67.3	99.94
1	13-Nov-90	0.106	10.8	0.984	1.148	1.040	90.7	110.0	99.84	100.4	99.86	104.1	99.85	94.4	99.87	179.6	99.76
2	20-Nov-90	0.108	11.3	1.042	1.224	1.110	94.4	114.8	99.73	104.6	99.76	115.6	99.74	104.8	99.77	187.0	99.58
3	27-Nov-90	0.152	10.6	1.402	1.622	1.512	66.7	87.0	99.64	76.8	99.68	108.1	99.64	100.8	99.67	130.9	99.46
4	04-Dec-90	0.177	5.8	0.816	1.031	0.878	47.8	64.7	99.58	56.2	99.63	49.2	99.59	41.9	99.63	94.3	99.37
5	11-Dec-90	0.260	5.5	1.231	1.446	1.287	38.9	59.1	99.52	49.0	99.58	56.2	99.54	50.0	99.58	76.5	99.29
6	18-Dec-90	0.239					37.6	55.5	99.47	46.6	99.54	45.6	99.49	40.7	99.54	74.3	99.22
7	25-Dec-90	0.199					42.3	59.2	99.41	50.7	99.49	45.6	99.45	40.7	99.50	83.0	99.14
8	01-Jan-91	0.238					36.0	53.1	99.36	44.6	99.45	45.6	99.41	40.7	99.46	70.7	99.07
9	08-Jan-91	0.369	3.7	1.161	1.370	1.230	25.5	44.4	99.32	34.9	99.41	35.0	99.37	31.4	99.43	50.0	99.03
10	15-Jan-91	0.404					23.4	42.3	99.28	32.9	99.38	42.3	99.33	38.0	99.40	45.9	98.98
11	22-Jan-91	0.663					23.0	53.5	99.23	38.3	99.34	42.3	99.29	38.0	99.36	44.5	98.94
12	29-Jan-91	0.464	4.4	1.774	2.034	1.827	24.4	47.1	99.18	35.7	99.31	49.7	99.24	44.6	99.32	48.0	98.89
13	05-Feb-91	0.401					23.6	42.6	99.14	33.1	99.28	42.3	99.20	38.0	99.28	46.3	98.85
14	12-Feb-91	0.414					21.1	38.7	99.10	29.9	99.25	42.3	99.16	38.0	99.25	41.1	98.81
15	19-Feb-91	0.384	3.7	1.189	1.430	1.233	22.5	39.7	99.07	31.1	99.22	32.1	99.13	27.7	99.22	44.2	98.77
16	26-Feb-91	0.493	3.7	1.550	1.833	1.569	18.5	36.8	99.03	27.7	99.19	34.0	99.10	29.1	99.19	36.3	98.73
17	05-Mar-91	0.460	3.1	1.193	1.423	1.228	20.3	39.0	98.99	29.6	99.16	28.9	99.07	24.9	99.17	39.7	98.69
Maximum		0.663	11.3	1.774	2.034	1.827	94.4	114.8	99.94	104.6	99.96	115.6	99.95	104.8	99.96	187.0	99.94
Minimum		0.106	3.1	0.816	1.031	0.878	18.5	36.8	98.99	27.7	99.16	28.9	99.07	24.9	99.17	36.3	98.69
Mean		0.327	6.0	1.230	1.448	1.287	38.4	58.1	99.38	48.3	99.47	53.7	99.42	48.1	99.48	75.5	99.14
Median		0.364	4.4	1.189	1.423	1.233	30.0	53.3	99.34	41.4	99.43	45.6	99.39	40.7	99.45	58.7	99.05
Mean Last 5 Weeks		0.430	3.5	1.311	1.562	1.343	21.2	39.4	99.07	30.3	99.22	35.9	99.13	31.5	99.22	41.5	98.77
Final Flush									98.99		99.16		99.07		99.17		98.69
75% Remaining (Wks)									652		848		715		815		612
50% Remaining (Wks)									1313		1706		1439		1639		1238
25% Remaining (Wks)									1974		2565		2162		2464		1864
0% Remaining (Wks)									2634		3424		2886		3288		2491

*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used to calculate Molar Ratio NP Consumption values.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #2, H/W Andesite (Mean Condition Net NP)

		Dissolved Metals*:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(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)
0	06-Nov-90	0.4	*0.01*	*0.01*	0.044	*0.02*	1.01	*0.001*	54.3	*0.0025*	0.01	0.003	0.31	*0.01*	5	0.158	*0.005*	*0.001*	0.018	0.1	0.12	*0.0015*	3	0.129	0.011
1	13-Nov-90	0.22	*0.01*	*0.01*	0.074	*0.02*	1.96	*0.001*	90.7	0.017	0.02	0.015	0.177	*0.01*	9.1	0.06	*0.005*	0.012	0.013	0.25	0.3	*0.0015*	6	0.198	0.006
2	20-Nov-90	0.03	*0.01*	*0.01*	0.058	*0.02*	1.66	*0.001*	89.6	0.014	0.021	0.01	0.15	*0.01*	9.4	0.064	*0.005*	0.011	0.009	0.1	0.3	*0.0015*	6.7	0.182	0.012
3	27-Nov-90	0.48	*0.01*	*0.01*	0.068	*0.02*	1.53	*0.001*	88.9	*0.0025*	*0*	0.014	0.043	*0.01*	8.4	0.05	*0.005*	0.017	*0.0025*	0.23	0.51	*0.0015*	8	0.139	0.008
4	04-Dec-90	0.31	*0.01*	*0.01*	0.023	*0.02*	0.82	*0.001*	37.8	*0.0025*	0.005	0.007	0.049	*0.01*	6	0.024	*0.005*	0.008	0.009	0.2	0.26	*0.0015*	3.3	0.1	0.003
5	11-Dec-90	0.23	*0.01*	*0.01*	0.025	*0.02*	0.71	*0.001*	44.7	*0.0025*	*0*	0.01	0.164	*0.01*	4.7	0.022	*0.005*	0.008	0.002	*0.01*	0.34	*0.0015*	2.3	0.074	0.002
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.09	*0.01*	*0.01*	0.018	*0.02*	0.46	*0.001*	27.6	0.013	0.005	0.015	0.335	*0.01*	3	0.015	*0.005*	0.011	0.005	0.12	0.35	*0.0015*	1.9	0.059	0.019
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.03	*0.01*	*0.01*	0.03	*0.02*	0.49	*0.001*	40.7	*0.0025*	*0*	0.019	0.18	*0.01*	3.6	0.022	*0.005*	0.018	*0.0025*	0.16	0.28	0.005	1.4	0.073	0.002
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.16	*0.01*	0.02	0.018	*0.02*	0.49	*0.001*	26.3	0.013	0.004	0.03	0.28	*0.01*	3.2	0.013	*0.005*	0.015	*0.0025*	0.52	0.33	*0.0015*	1.1	0.062	0.029
16	26-Feb-91	0.13	*0.01*	*0.01*	0.018	*0.02*	0.48	*0.001*	28.2	*0.0025*	0.007	0.015	0.2	*0.01*	3.1	0.014	*0.005*	0.017	*0.0025*	0.34	0.33	*0.0015*	0.4	0.063	0.013
17	05-Mar-91	0.34	*0.01*	*0.01*	0.005	*0.02*	0.39	*0.001*	24.2	*0.0025*	0.002	0.007	0.19	*0.01*	2.8	0.019	*0.005*	*0.0015*	0.006	0.29	0.28	*0.0015*	0.8	0.049	0.005
Maximum		0.48	0.01	0.02	0.074	0.02	1.96	0.001	90.7	0.0170	0.021	0.03	0.335	0.01	9.4	0.158	0.005	0.018	0.018	0.52	0.5	0.005	8	0.198	0.029
Minimum		0.03	0.01	0.01	0.005	0.02	0.39	0.001	24.2	0.0025	0.002	0.003	0.043	0.01	2.8	0.013	0.005	0.0010	0.002	0.01	0.12	0.0015	0.4	0.049	0.002
Mean		0.2	0.01	0.01	0.035	0.02	0.91	0.001	50.3	0.0068	0.007	0.013	0.189	0.01	5.3	0.042	0.005	0.011	0.007	0.21	0.3	0.0018	3.17	0.103	0.010
Median		0.2	0.01	0.01	0.025	0.02	0.71	0.001	40.7	0.0025	0.005	0.014	0.180	0.01	4.7	0.022	0.005	0.011	0.005	0.20	0.3	0.0015	2.3	0.074	0.008
Mean Last 5 Weeks		0.2	0.01	0.01	0.014	0.02	0.45	0.001	26.2	0.0060	0.004	0.017	0.223	0.01	3.0	0.015	0.005	0.011	0.004	0.38	0.3	0.0015	0.8	0.058	0.016
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #2, H/W Andesite (Mean Condition Net NP)

		Metal Leach Rates:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	06-Nov-90	0.120	0.003	0.003	0.013	0.006	0.303	0.0003	16.3	0.001	0.003	0.001	0.09	0.003	1.5	0.05	0.0015	0.0003	0.005	0.030	0.036	0.000	0.90	0.039	0.003
1	13-Nov-90	0.087	0.004	0.004	0.029	0.008	0.772	0.0004	35.7	0.007	0.008	0.006	0.07	0.004	3.6	0.02	0.0020	0.0047	0.005	0.099	0.118	0.001	2.36	0.078	0.002
2	20-Nov-90	0.013	0.004	0.004	0.026	0.009	0.730	0.0004	39.4	0.006	0.009	0.004	0.07	0.004	4.1	0.03	0.0022	0.0048	0.004	0.044	0.132	0.001	2.95	0.080	0.005
3	27-Nov-90	0.202	0.004	0.004	0.029	0.008	0.644	0.0004	37.4	0.001	0.001	0.006	0.02	0.004	3.5	0.02	0.0021	0.0072	0.001	0.097	0.215	0.001	3.37	0.059	0.003
4	04-Dec-90	0.128	0.004	0.004	0.009	0.008	0.339	0.0004	15.6	0.001	0.002	0.003	0.02	0.004	2.5	0.01	0.0021	0.0033	0.004	0.083	0.107	0.001	1.36	0.041	0.001
5	11-Dec-90	0.099	0.004	0.004	0.011	0.009	0.305	0.0004	19.2	0.001	0.001	0.004	0.07	0.004	2.0	0.01	0.0021	0.0034	0.001	0.004	0.146	0.001	0.99	0.032	0.001
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.039	0.004	0.004	0.008	0.009	0.198	0.0004	11.9	0.006	0.002	0.006	0.14	0.004	1.3	0.01	0.0022	0.0047	0.002	0.052	0.151	0.001	0.82	0.025	0.008
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.013	0.004	0.004	0.013	0.009	0.209	0.0004	17.3	0.001	0.001	0.008	0.08	0.004	1.5	0.01	0.0021	0.0077	0.001	0.068	0.119	0.002	0.60	0.031	0.001
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.065	0.004	0.008	0.007	0.008	0.199	0.0004	10.7	0.005	0.002	0.012	0.11	0.004	1.3	0.01	0.0020	0.0061	0.001	0.212	0.134	0.001	0.45	0.025	0.012
16	26-Feb-91	0.053	0.004	0.004	0.007	0.008	0.196	0.0004	11.5	0.001	0.003	0.006	0.08	0.004	1.3	0.01	0.0020	0.0069	0.001	0.139	0.135	0.001	0.16	0.026	0.005
17	05-Mar-91	0.136	0.004	0.004	0.002	0.008	0.156	0.0004	9.7	0.001	0.001	0.003	0.08	0.004	1.1	0.01	0.0020	0.0006	0.002	0.116	0.112	0.001	0.32	0.020	0.002
Maximum		0.202	0.004	0.008	0.029	0.009	0.772	0.0004	39.4	0.007	0.009	0.012	0.14	0.004	4.1	0.05	0.0022	0.0077	0.005	0.212	0.215	0.002	3.37	0.080	0.012
Minimum		0.013	0.003	0.003	0.002	0.006	0.156	0.0003	9.7	0.001	0.001	0.001	0.02	0.003	1.1	0.01	0.0015	0.0003	0.001	0.004	0.036	0.000	0.16	0.020	0.001
Mean		0.087	0.004	0.004	0.014	0.008	0.368	0.0004	20.4	0.003	0.003	0.005	0.08	0.004	2.2	0.02	0.0020	0.0045	0.003	0.086	0.128	0.001	1.30	0.041	0.004
Median		0.087	0.004	0.004	0.011	0.008	0.303	0.0004	16.3	0.001	0.002	0.006	0.08	0.004	1.5	0.01	0.0021	0.0047	0.002	0.083	0.132	0.001	0.90	0.032	0.003
Mean Last 5 Weeks		0.085	0.004	0.005	0.006	0.008	0.184	0.0004	10.6	0.002	0.002	0.007	0.09	0.004	1.2	0.01	0.0020	0.0045	0.001	0.156	0.127	0.001	0.31	0.024	0.006
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #2, H/W Andesite (Mean Condition Net NP)

		Cumulative Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	06-Nov-90	0.120	0.003	0.003	0.013	0.006	0.303	0.000	16.3	0.001	0.003	0.001	0.093	0.003	1.5	0.047	2E-03	0.000	0.005	0.030	0.036	0.000	0.9	0.039	0.003
1	13-Nov-90	0.207	0.007	0.007	0.042	0.014	1.075	0.001	52.0	0.007	0.011	0.007	0.163	0.007	5.1	0.071	3E-03	0.005	0.011	0.129	0.154	0.001	3.3	0.117	0.006
2	20-Nov-90	0.220	0.011	0.011	0.068	0.023	1.806	0.001	91.4	0.014	0.020	0.011	0.229	0.011	9.2	0.099	6E-03	0.010	0.014	0.173	0.286	0.002	6.2	0.197	0.011
3	27-Nov-90	0.422	0.016	0.016	0.097	0.031	2.450	0.002	128.9	0.015	0.021	0.017	0.247	0.016	12.8	0.120	8E-03	0.017	0.016	0.269	0.501	0.002	9.6	0.255	0.014
4	04-Dec-90	0.550	0.020	0.020	0.106	0.039	2.788	0.002	144.5	0.016	0.023	0.020	0.267	0.020	15.2	0.130	1E-02	0.020	0.019	0.352	0.608	0.003	10.9	0.297	0.016
5	11-Dec-90	0.649	0.024	0.024	0.117	0.048	3.093	0.002	163.7	0.017	0.024	0.024	0.337	0.024	17.3	0.140	1E-02	0.024	0.020	0.356	0.754	0.004	11.9	0.328	0.016
6	18-Dec-90	0.717	0.028	0.028	0.126	0.057	3.344	0.003	179.2	0.020	0.026	0.030	0.445	0.028	18.9	0.148	1E-02	0.028	0.022	0.384	0.902	0.004	12.8	0.357	0.021
7	25-Dec-90	0.786	0.033	0.033	0.135	0.065	3.595	0.003	194.7	0.023	0.028	0.035	0.552	0.033	20.6	0.155	2E-02	0.032	0.023	0.412	1.051	0.005	13.7	0.385	0.025
8	01-Jan-91	0.855	0.037	0.037	0.144	0.074	3.847	0.004	210.2	0.027	0.029	0.040	0.659	0.037	22.2	0.163	2E-02	0.036	0.025	0.440	1.199	0.006	14.6	0.414	0.030
9	08-Jan-91	0.893	0.041	0.041	0.152	0.082	4.044	0.004	222.1	0.032	0.031	0.047	0.803	0.041	23.5	0.170	2E-02	0.041	0.027	0.492	1.349	0.006	15.5	0.439	0.038
10	15-Jan-91	0.919	0.045	0.045	0.162	0.091	4.248	0.005	236.7	0.036	0.033	0.054	0.913	0.045	24.9	0.178	2E-02	0.047	0.028	0.552	1.484	0.008	16.2	0.468	0.043
11	22-Jan-91	0.945	0.050	0.050	0.173	0.099	4.451	0.005	251.3	0.039	0.035	0.061	1.024	0.050	26.3	0.186	2E-02	0.053	0.030	0.611	1.619	0.009	16.9	0.496	0.047
12	29-Jan-91	0.958	0.054	0.054	0.185	0.108	4.660	0.005	268.6	0.040	0.036	0.069	1.101	0.054	27.9	0.195	3E-02	0.061	0.031	0.680	1.738	0.011	17.5	0.527	0.048
13	05-Feb-91	0.997	0.058	0.060	0.196	0.116	4.864	0.006	282.7	0.043	0.037	0.080	1.196	0.058	29.3	0.202	3E-02	0.068	0.032	0.819	1.865	0.012	18.0	0.555	0.054
14	12-Feb-91	1.036	0.062	0.066	0.206	0.125	5.068	0.006	296.7	0.046	0.038	0.090	1.291	0.062	30.7	0.210	3E-02	0.075	0.033	0.959	1.992	0.014	18.5	0.583	0.061
15	19-Feb-91	1.101	0.066	0.075	0.213	0.133	5.267	0.007	307.4	0.052	0.040	0.102	1.405	0.066	32.0	0.215	3E-02	0.081	0.034	1.171	2.126	0.014	19.0	0.609	0.072
16	26-Feb-91	1.154	0.070	0.079	0.220	0.141	5.463	0.007	318.9	0.053	0.043	0.108	1.487	0.070	33.3	0.221	4E-02	0.088	0.035	1.310	2.261	0.015	19.1	0.634	0.078
17	05-Mar-91	1.290	0.074	0.083	0.222	0.149	5.620	0.007	328.6	0.054	0.044	0.111	1.563	0.074	34.4	0.228	4E-02	0.088	0.038	1.426	2.373	0.016	19.4	0.654	0.080
Maximum		1.290	0.074	0.083	0.222	0.149	5.620	0.007	328.6	0.054	0.044	0.111	1.563	0.074	34.4	0.228	4E-02	0.088	0.038	1.426	2.373	0.016	19.4	0.654	0.080
Minimum		0.120	0.003	0.003	0.013	0.006	0.303	0.000	16.3	0.001	0.003	0.001	0.093	0.003	1.5	0.047	2E-03	0.000	0.005	0.030	0.036	0.000	0.9	0.039	0.003
Mean		0.768	0.039	0.041	0.143	0.078	3.666	0.004	205.2	0.030	0.029	0.050	0.765	0.039	21.4	0.160	2E-02	0.043	0.025	0.587	1.239	0.007	13.6	0.409	0.037
Median		0.874	0.039	0.039	0.148	0.078	3.946	0.004	216.2	0.030	0.030	0.044	0.731	0.039	22.9	0.167	2E-02	0.038	0.026	0.466	1.274	0.006	15.0	0.427	0.034
Mean Last 5 Weeks		1.115	0.066	0.072	0.211	0.133	5.256	0.007	306.8	0.050	0.040	0.098	1.388	0.066	31.9	0.215	3E-02	0.080	0.034	1.137	2.123	0.014	18.8	0.607	0.069
Final Flush		1.290	0.074	0.083	0.222	0.149	5.620	0.007	328.6	0.054	0.044	0.111	1.563	0.074	34.4	0.228	4E-02	0.088	0.038	1.426	2.373	0.016	19.4	0.654	0.080
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #2, H/W Andesite (Mean Condition Net NP)

		Remaining Metal:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0	06-Nov-90	100.00	99.98	99.99	99.99	99.40	NA	99.88	99.96	100.00	99.99	100.00	100.00	99.99	100.00	99.99	99.70	99.99	99.99	100.00	99.83	100.0	100.00	NA	100.00
1	13-Nov-90	100.00	99.95	99.98	99.98	98.61	NA	99.72	99.88	100.00	99.97	99.98	100.00	99.98	99.99	99.99	99.31	99.90	99.98	99.98	99.29	99.9	99.98	NA	100.00
2	20-Nov-90	100.00	99.92	99.96	99.96	97.73	NA	99.55	99.80	99.99	99.95	99.96	100.00	99.97	99.97	99.99	98.87	99.80	99.98	99.98	98.69	99.9	99.97	NA	100.00
3	27-Nov-90	100.00	99.90	99.95	99.94	96.89	NA	99.38	99.71	99.99	99.94	99.94	100.00	99.96	99.97	99.99	98.45	99.66	99.98	99.97	97.70	99.9	99.96	NA	99.99
4	04-Dec-90	100.00	99.87	99.93	99.94	96.06	NA	99.21	99.68	99.99	99.94	99.93	100.00	99.96	99.96	99.99	98.03	99.59	99.97	99.96	97.21	99.9	99.95	NA	99.99
5	11-Dec-90	100.00	99.84	99.92	99.93	95.21	NA	99.04	99.63	99.99	99.93	99.92	100.00	99.95	99.95	99.98	97.60	99.52	99.97	99.96	96.54	99.8	99.94	NA	99.99
6	18-Dec-90	100.00	99.81	99.91	99.93	94.35	NA	98.87	99.60	99.99	99.93	99.90	100.00	99.94	99.95	99.98	97.17	99.44	99.97	99.95	95.86	99.8	99.94	NA	99.99
7	25-Dec-90	100.00	99.78	99.89	99.92	93.49	NA	98.70	99.57	99.99	99.93	99.88	100.00	99.93	99.94	99.98	96.74	99.36	99.96	99.95	95.18	99.8	99.94	NA	99.99
8	01-Jan-91	100.00	99.75	99.88	99.92	92.63	NA	98.53	99.53	99.99	99.92	99.87	100.00	99.92	99.94	99.98	96.31	99.28	99.96	99.94	94.50	99.7	99.93	NA	99.99
9	08-Jan-91	100.00	99.73	99.86	99.91	91.77	NA	98.35	99.50	99.99	99.92	99.84	100.00	99.91	99.94	99.98	95.88	99.19	99.96	99.94	93.81	99.7	99.93	NA	99.98
10	15-Jan-91	100.00	99.70	99.85	99.90	90.91	NA	98.18	99.47	99.98	99.91	99.82	100.00	99.90	99.93	99.98	95.46	99.06	99.96	99.93	93.19	99.6	99.92	NA	99.98
11	22-Jan-91	100.00	99.67	99.83	99.90	90.06	NA	98.01	99.44	99.98	99.91	99.80	100.00	99.89	99.93	99.98	95.03	98.94	99.95	99.92	92.57	99.6	99.92	NA	99.98
12	29-Jan-91	100.00	99.64	99.82	99.89	89.21	NA	97.84	99.40	99.98	99.90	99.77	100.00	99.88	99.92	99.98	94.60	98.78	99.95	99.92	92.03	99.4	99.92	NA	99.98
13	05-Feb-91	100.00	99.61	99.80	99.88	88.37	NA	97.67	99.37	99.98	99.90	99.73	100.00	99.87	99.92	99.98	94.19	98.65	99.95	99.90	91.44	99.4	99.92	NA	99.98
14	12-Feb-91	100.00	99.58	99.78	99.88	87.54	NA	97.51	99.34	99.98	99.90	99.70	100.00	99.86	99.92	99.98	93.77	98.51	99.95	99.88	90.86	99.3	99.91	NA	99.97
15	19-Feb-91	100.00	99.56	99.75	99.87	86.73	NA	97.35	99.31	99.98	99.89	99.66	100.00	99.85	99.91	99.98	93.36	98.39	99.95	99.85	90.25	99.3	99.91	NA	99.97
16	26-Feb-91	100.00	99.53	99.74	99.87	85.91	NA	97.18	99.29	99.98	99.88	99.64	100.00	99.84	99.91	99.98	92.95	98.25	99.95	99.84	89.63	99.2	99.91	NA	99.97
17	05-Mar-91	100.00	99.50	99.72	99.87	85.11	NA	97.02	99.27	99.98	99.88	99.63	100.00	99.83	99.91	99.98	92.55	98.24	99.94	99.82	89.11	99.2	99.91	NA	99.97
																								NA	
Maximum		100.00	99.98	99.99	99.99	99.40	NA	99.88	99.96	100.00	99.99	100.00	100.00	99.99	100.00	99.99	99.70	99.99	99.99	100.00	99.83	100.0	100.00	NA	100.00
Minimum		100.00	99.50	99.72	99.87	85.11	NA	97.02	99.27	99.98	99.88	99.63	100.00	99.83	99.91	99.98	92.55	98.24	99.94	99.82	89.11	99.2	99.91	NA	99.97
Mean		100.00	99.74	99.86	99.92	92.22	NA	98.44	99.54	99.99	99.92	99.83	100.00	99.91	99.94	99.98	96.11	99.14	99.96	99.93	94.32	99.6	99.94	NA	99.98
Median		100.00	99.74	99.87	99.91	92.20	NA	98.44	99.52	99.99	99.92	99.85	100.00	99.91	99.94	99.98	96.10	99.23	99.96	99.94	94.16	99.7	99.93	NA	99.99
Mean Last 5 Weeks		100.00	99.56	99.76	99.88	86.73	NA	97.35	99.32	99.98	99.89	99.67	100.00	99.85	99.91	99.98	93.37	98.40	99.95	99.86	90.26	99.3	99.91	NA	99.97
Final Flush		100.00	99.50	99.72	99.87	85.11	NA	97.02	99.27	99.98	99.88	99.63	100.00	99.83	99.91	99.98	92.55	98.24	99.94	99.82	89.11	99.2	99.91	NA	99.97
75% Remaining (Wks)		238117	925	1389	7624	30	NA	154	1040	23070	5243	1067	225208	2713	7409	37236	61	273	11132	1295	42	815	17182	NA	8953
50% Remaining (Wks)		476231	1850	2775	15270	61	NA	308	2093	46143	10493	2131	450415	5427	14827	74490	123	548	22272	2580	85	1637	34409	NA	17900
25% Remaining (Wks)		714345	2775	4162	22917	92	NA	462	3146	69217	15742	3196	675622	8141	22246	111744	185	823	33412	3866	128	2459	51635	NA	26847
0% Remaining (Wks)		952459	3700	5548	30563	123	NA	616	4198	92291	20992	4260	900829	10855	29665	148999	246	1098	44552	5152	171	3282	68862	NA	35795

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B3. Composite #3 (Argillite; Worst-Case Net NP)

Eskay Creek Humidity Cell Data - Composite #3, H/W Argillite (Worst Case Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Total Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)***	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	06-Nov-90	331	5.09	227	2280	*0.5*	80.7	1617	26.71	0.17	535	535	99.7	99.6
1	13-Nov-90	414	5.77	267	1976	5.1	8.9	1320	3.68	2.11	546	1082	99.3	99.3
2	20-Nov-90	419	5.7	173	1524	*0.5*	9.3	869	3.90	0.21	364	1446	99.1	99.0
3	27-Nov-90	419	5.5	220	1316	5.2	11	774	4.61	2.18	324	1770	98.9	98.8
4	04-Dec-90	422	5.3	200	1212	3.2	11.7	699	4.94	1.35	295	2065	98.7	98.6
5	11-Dec-90	415	4.85	222	1165	2	15	659	6.23	0.83	273	2339	98.5	98.4
6	18-Dec-90	413	4.57	278	1146	*0.5*	15.9	644	6.57	0.21	266	2605	98.4	98.2
7	25-Dec-90	393	4.5	254	1234	*0.5*	27.3	723	10.73	0.20	284	2889	98.2	98.0
8	01-Jan-91	369	4.66	219	1348	*0.5*	24.4	810	9.00	0.18	299	3188	98.0	97.8
9	08-Jan-91	416	4.33	248	1020	*0.5*	17.3	560	7.20	0.21	233	3421	97.9	97.7
10	15-Jan-91	441	4.65	176	1059	*0.5*	14.6	585	6.44	0.22	258	3679	97.7	97.5
11	22-Jan-91	410	4.42	273	932	*0.5*	18.7	549	7.67	0.21	225	3904	97.6	97.4
12	29-Jan-91	439	4.88	210	1136	*0.5*	16.5	696	7.24	0.22	306	4209	97.4	97.1
13	05-Feb-91	406	4.36	241	1182	*0.5*	25.3	699	10.27	0.20	284	4493	97.2	97.0
14	12-Feb-91	402	4.22	249	1212	*0.5*	30.9	673	12.42	0.20	271	4764	97.0	96.8
15	19-Feb-91	409	4.11	261	1242	*0.5*	32.5	664	13.29	0.20	272	5035	96.8	96.6
16	26-Feb-91	409	4.04	275	1075	*0.5*	35.5	616	14.52	0.20	252	5287	96.7	96.4
17	05-Mar-91	405	4.02	279	1129	*0.5*	35.4	665	14.34	0.20	269	5556	96.5	96.2
Maximum		441	5.77	279	2280	5.2	80.7	1617	26.71	2.18	546	5556	99.7	99.6
Minimum		331	4.02	173	932	0.5	8.9	549	3.68	0.17	225	535	96.5	96.2
Mean		407	4.72	237	1288	1.3	24	768	9.43	0.52	309	3237	98.0	97.8
Median		412	4.61	245	1197	0.5	18	685	7.46	0.21	279	3304	97.9	97.8
Mean Last 5 Weeks		406	4.15	261	1168	0.5	32	663	12.97	0.20	269	5027	96.9	96.6
Final Flush												5556	96.5	96.2
75% Remaining (Wks)													145	134
50% Remaining (Wks)													293	271
25% Remaining (Wks)													441	408
0% Remaining (Wks)													589	544

** If measured alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #3, H/W Argillite (Worst Case Net NP)

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:**				Carbonate	Remaining	Feldspar	Remaining			
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining	
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP	
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical	
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)	
0	06-Nov-90	0.0003	3326.8	0.468	0.996	0.478	557.5	557.9	99.16	557.7	99.16	555.2	99.16	266.3	99.60	1088.3	98.36	
1	13-Nov-90	0.0037	282.6	0.430	1.055	0.440	569.3	573.5	98.29	571.4	98.30	600.4	98.26	250.5	99.22	1134.8	96.65	
2	20-Nov-90	0.0006	2209.4	0.576	1.227	0.587	379.3	379.7	97.72	379.5	97.72	465.4	97.56	222.5	98.88	754.7	95.51	
3	27-Nov-90	0.0064	195.4	0.706	1.267	0.717	337.8	342.2	97.20	340.0	97.21	427.9	96.91	242.3	98.52	671.0	94.50	
4	04-Dec-90	0.0044	211.4	0.454	0.934	0.459	307.3	310.0	96.74	308.6	96.75	287.1	96.48	141.1	98.31	609.6	93.58	
5	11-Dec-90	0.0029	346.1	0.579	1.015	0.581	284.9	286.5	96.31	285.7	96.32	289.1	96.04	165.5	98.06	563.5	92.73	
6	18-Dec-90	0.0007					277.1	277.5	95.89	277.3	95.90	263.2	95.64	154.5	97.82	547.5	91.90	
7	25-Dec-90	0.0007					296.0	296.4	95.44	296.2	95.45	263.2	95.25	154.5	97.59	581.2	91.02	
8	01-Jan-91	0.0006					311.3	311.7	94.97	311.5	94.98	263.2	94.85	154.5	97.36	613.7	90.10	
9	08-Jan-91	0.0009	1136.0	0.585	0.981	0.591	242.7	243.1	94.60	242.9	94.61	238.0	94.49	143.3	97.14	478.1	89.38	
10	15-Jan-91	0.0008					268.7	269.2	94.20	269.0	94.21	308.2	94.03	203.0	96.84	531.0	88.58	
11	22-Jan-91	0.0009					234.5	234.9	93.84	234.7	93.85	308.2	93.56	203.0	96.53	461.3	87.88	
12	29-Jan-91	0.0007	1754.6	0.853	1.217	0.857	318.3	318.7	93.36	318.5	93.37	387.4	92.98	272.7	96.12	629.3	86.93	
13	05-Feb-91	0.0007					295.6	296.0	92.92	295.8	92.93	330.3	92.48	217.5	95.79	581.0	86.06	
14	12-Feb-91	0.0007					281.8	282.2	92.49	282.0	92.50	330.3	91.98	217.5	95.46	551.2	85.22	
15	19-Feb-91	0.0007	1325.1	0.575	0.965	0.579	282.9	283.3	92.06	283.1	92.08	272.9	91.57	163.9	95.21	552.5	84.39	
16	26-Feb-91	0.0008	1332.4	0.634	1.046	0.653	262.4	262.9	91.67	262.6	91.68	274.6	91.15	171.3	94.96	510.4	83.62	
17	05-Mar-91	0.0007	1232.2	0.551	0.896	0.553	280.5	281.0	91.24	280.7	91.26	251.2	90.78	155.1	94.72	546.8	82.80	
Maximum		0.0064	3326.8	0.853	1.267	0.857	569.3	573.5	99.16	571.4	99.16	600.4	99.16	272.7	99.60	1134.8	98.36	
Minimum		0.0003	195.4	0.430	0.896	0.440	234.5	234.9	91.24	234.7	91.26	238.0	90.78	141.1	94.72	461.3	82.80	
Mean		0.0015	1213.8	0.583	1.054	0.590	321.5	322.6	94.89	322.1	94.90	339.8	94.62	194.4	97.12	633.7	89.96	
Median		0.0007	1232.2	0.576	1.015	0.581	290.2	291.3	94.79	290.8	94.80	298.6	94.67	187.2	97.25	572.3	89.74	
Mean Last 5 Weeks		0.0007	1296.6	0.587	0.969	0.595	280.7	281.1	92.08	280.9	92.09	291.9	91.59	185.1	95.23	548.4	84.42	
Final Flush									91.24		91.26		90.78		94.72		82.80	
75% Remaining (Wks)									56		56		54		89		27	
50% Remaining (Wks)									115		115		111		178		58	
25% Remaining (Wks)									174		174		167		268		88	
0% Remaining (Wks)									233		233		224		357		118	

*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used to calculate Molar Ratio NP Consumption values.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #3, H/W Argillite (Worst Case Net NP)

		Dissolved Metals*:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(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)
0	06-Nov-90	3.81	0.07	0.03	0.062	*0.02*	13.1	0.089	316	0.027	0.527	0.145	23.76	2.24	212.4	11.39	*0.005*	0.004	3.43	0.44	0.38	0.006	7.3	0.784	6.05
1	13-Nov-90	1.05	*0.01*	*0.01*	0.063	*0.02*	10.7	0.017	237	0.011	0.133	0.03	0.38	1.2	206.4	7.028	*0.005*	0.004	0.67	0.41	0.29	0.004	6.3	0.804	0.54
2	20-Nov-90	0.55	*0.01*	*0.01*	0.076	*0.02*	7.93	0.02	209	*0.0025*	0.144	0.026	0.48	1.39	141.6	4.754	0.04	0.013	0.36	0.2	0.27	0.007	4.4	0.641	0.45
3	27-Nov-90	1.13	*0.01*	*0.01*	0.06	*0.02*	7.97	0.026	228	0.009	0.098	0.037	0.59	1.8	108.4	4.262	*0.005*	*0.0015*	0.39	0.79	0.42	*0.0015*	4.1	0.528	0.61
4	04-Dec-90	1.16	*0.01*	0.03	0.041	*0.02*	5.31	0.017	133	0.042	0.074	0.033	0.70	1.07	83.9	3.077	*0.005*	*0.0015*	0.29	0.87	0.29	*0.0015*	1.6	0.459	0.50
5	11-Dec-90	1.04	*0.01*	0.03	0.035	*0.02*	4.82	0.016	159	*0.0025*	0.08	0.031	1.04	1.72	71.5	3.518	*0.005*	*0.0015*	0.34	0.07	0.35	*0.0015*	0.5	0.322	0.75
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	1.06	0.03	0.03	0.038	*0.02*	3.83	0.017	137	0.029	0.093	0.075	1.78	1.64	55.1	3.254	*0.005*	0.004	0.37	0.46	0.38	0.005	1.6	0.292	0.84
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.87	0.04	*0.01*	0.041	*0.02*	5.19	0.011	248	0.012	0.106	0.12	2.75	2.38	62.9	4.278	*0.005*	*0.0015*	0.46	1.14	0.34	0.005	1.4	0.39	1.41
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	2.03	*0.01*	*0.01*	0.04	*0.02*	4.92	0.022	159	0.036	0.102	0.126	5.77	1.87	64.3	3.811	*0.005*	0.004	0.45	2.01	0.44	*0.0015*	1.4	0.308	1.46
16	26-Feb-91	6.84	0.03	*0.01*	0.045	*0.02*	4.82	0.022	163	0.022	0.103	0.147	6.27	1.69	63	4.214	*0.005*	*0.0015*	0.46	2.06	0.52	*0.0015*	5.6	0.313	1.56
17	05-Mar-91	1.99	*0.01*	*0.01*	0.04	*0.02*	4.94	0.023	153	0.017	0.108	0.122	6.06	1.78	56.9	3.496	*0.005*	0.007	0.44	1.77	0.45	0.004	0.6	0.244	1.56
Maximum		6.84	0.07	0.03	0.076	0.02	13.1	0.089	316	0.0420	0.527	0.147	23.76	2.38	212.4	11.390	0.04	0.013	3.43	2.06	0.52	0.007	7.3	0.804	6.05
Minimum		0.55	0.01	0.01	0.035	0.02	3.83	0.011	133	0.0025	0.074	0.026	0.38	1.07	55.1	3.077	0.005	0.0015	0.29	0.07	0.27	0.0015	0.5	0.244	0.45
Mean		2.0	0.02	0.02	0.049	0.02	6.68	0.025	195	0.0191	0.143	0.081	4.51	1.71	102.4	4.826	0.008	0.0040	0.70	0.93	0.38	0.0035	3.2	0.462	1.43
Median		1.1	0.01	0.01	0.041	0.02	5.19	0.020	163	0.0170	0.103	0.075	1.78	1.72	71.5	4.214	0.005	0.0040	0.44	0.79	0.38	0.0040	1.6	0.390	0.84
Mean Last 5 Weeks		3.6	0.02	0.01	0.042	0.02	4.89	0.022	158	0.0250	0.104	0.132	6.03	1.78	61.4	3.840	0.005	0.0042	0.45	1.95	0.47	0.0023	2.5	0.288	1.53
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #3, H/W Argillite (Worst Case Net NP)

		Metal Leach Rates:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	06-Nov-90	1.26	0.023	0.010	0.021	0.007	4.32	0.029	104.6	0.009	0.174	0.048	7.86	0.74	70.3	3.77	0.002	0.0013	1.135	0.146	0.126	0.002	2.42	0.260	2.00
1	13-Nov-90	0.43	0.004	0.004	0.026	0.008	4.45	0.007	98.1	0.005	0.055	0.012	0.16	0.50	85.4	2.91	0.002	0.0017	0.277	0.170	0.120	0.002	2.61	0.333	0.22
2	20-Nov-90	0.23	0.004	0.004	0.032	0.008	3.32	0.008	87.5	0.001	0.060	0.011	0.20	0.58	59.3	1.99	0.017	0.0054	0.152	0.084	0.113	0.003	1.84	0.269	0.19
3	27-Nov-90	0.47	0.004	0.004	0.025	0.008	3.34	0.011	95.6	0.004	0.041	0.016	0.25	0.75	45.4	1.79	0.002	0.0006	0.161	0.331	0.176	0.001	1.72	0.221	0.26
4	04-Dec-90	0.49	0.004	0.013	0.017	0.008	2.24	0.007	55.9	0.018	0.031	0.014	0.29	0.45	35.4	1.30	0.002	0.0006	0.121	0.367	0.122	0.001	0.68	0.194	0.21
5	11-Dec-90	0.43	0.004	0.012	0.015	0.008	2.00	0.007	66.1	0.001	0.033	0.013	0.43	0.71	29.7	1.46	0.002	0.0006	0.140	0.029	0.145	0.001	0.21	0.134	0.31
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.44	0.012	0.012	0.016	0.008	1.59	0.007	56.8	0.012	0.039	0.031	0.74	0.68	22.9	1.35	0.002	0.0017	0.156	0.191	0.158	0.002	0.67	0.121	0.35
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.38	0.018	0.004	0.018	0.009	2.28	0.005	108.7	0.005	0.047	0.053	1.21	1.04	27.6	1.88	0.002	0.0007	0.200	0.500	0.149	0.002	0.61	0.171	0.62
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.83	0.004	0.004	0.016	0.008	2.01	0.009	65.2	0.015	0.042	0.052	2.36	0.76	26.3	1.56	0.002	0.0016	0.184	0.822	0.180	0.001	0.57	0.126	0.60
16	26-Feb-91	2.80	0.012	0.004	0.018	0.008	1.97	0.009	66.6	0.009	0.042	0.060	2.56	0.69	25.8	1.72	0.002	0.0006	0.187	0.843	0.213	0.001	2.29	0.128	0.64
17	05-Mar-91	0.81	0.004	0.004	0.016	0.008	2.00	0.009	61.9	0.007	0.044	0.049	2.45	0.72	23.0	1.42	0.002	0.0028	0.177	0.717	0.182	0.002	0.24	0.099	0.63
Maximum		2.80	0.023	0.013	0.032	0.009	4.45	0.029	108.7	0.018	0.174	0.060	7.86	1.04	85.4	3.77	0.017	0.0054	1.135	0.843	0.213	0.003	2.61	0.333	2.00
Minimum		0.23	0.004	0.004	0.015	0.007	1.59	0.005	55.9	0.001	0.031	0.011	0.16	0.45	22.9	1.30	0.002	0.0006	0.121	0.029	0.113	0.001	0.21	0.099	0.19
Mean		0.78	0.009	0.007	0.020	0.008	2.68	0.010	78.8	0.008	0.055	0.033	1.68	0.69	41.0	1.92	0.003	0.0016	0.263	0.382	0.153	0.001	1.26	0.187	0.55
Median		0.47	0.004	0.004	0.018	0.008	2.24	0.008	66.6	0.007	0.042	0.031	0.74	0.71	29.7	1.72	0.002	0.0013	0.177	0.331	0.149	0.002	0.68	0.171	0.35
Mean Last 5 Weeks		1.48	0.007	0.004	0.017	0.008	1.99	0.009	64.6	0.010	0.043	0.054	2.46	0.73	25.0	1.57	0.002	0.0017	0.183	0.794	0.192	0.001	1.04	0.118	0.62
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #3, H/W Argillite (Worst Case Net NP)

		Cumulative Metal Leach Rates:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	06-Nov-90	1.26	0.023	0.010	0.021	0.007	4.3	0.029	105	0.009	0.174	0.048	7.9	0.7	70	3.8	0.002	0.001	1.14	0.15	0.13	0.002	2.4	0.26	2.00
1	13-Nov-90	1.70	0.027	0.014	0.047	0.015	8.8	0.036	203	0.013	0.229	0.060	8.0	1.2	156	6.7	0.004	0.003	1.41	0.32	0.25	0.004	5.0	0.59	2.22
2	20-Nov-90	1.93	0.032	0.018	0.078	0.023	12.1	0.045	290	0.015	0.290	0.071	8.2	1.8	215	8.7	0.020	0.008	1.56	0.40	0.36	0.007	6.9	0.86	2.42
3	27-Nov-90	2.40	0.036	0.022	0.104	0.032	15.4	0.056	386	0.018	0.331	0.087	8.5	2.6	261	10.5	0.023	0.009	1.73	0.73	0.53	0.007	8.6	1.08	2.67
4	04-Dec-90	2.89	0.040	0.035	0.121	0.040	17.7	0.063	442	0.036	0.362	0.101	8.8	3.0	296	11.8	0.025	0.010	1.85	1.10	0.66	0.008	9.3	1.28	2.88
5	11-Dec-90	3.32	0.044	0.048	0.135	0.048	19.7	0.070	508	0.037	0.395	0.114	9.2	3.7	326	13.2	0.027	0.010	1.99	1.13	0.80	0.008	9.5	1.41	3.19
6	18-Dec-90	3.76	0.052	0.060	0.151	0.057	21.5	0.076	569	0.044	0.431	0.136	9.8	4.4	352	14.6	0.029	0.011	2.13	1.24	0.95	0.010	9.9	1.54	3.53
7	25-Dec-90	4.19	0.061	0.072	0.166	0.065	23.3	0.083	631	0.050	0.467	0.158	10.4	5.1	378	16.0	0.031	0.013	2.28	1.35	1.11	0.011	10.3	1.66	3.86
8	01-Jan-91	4.63	0.069	0.085	0.181	0.073	25.1	0.090	692	0.057	0.503	0.180	11.0	5.8	404	17.4	0.033	0.014	2.43	1.46	1.26	0.013	10.8	1.79	4.19
9	08-Jan-91	5.07	0.081	0.097	0.197	0.082	26.7	0.097	749	0.069	0.542	0.211	11.7	6.5	427	18.8	0.035	0.015	2.59	1.65	1.42	0.015	11.4	1.91	4.54
10	15-Jan-91	5.48	0.097	0.106	0.214	0.090	28.6	0.103	832	0.077	0.584	0.253	12.7	7.4	453	20.4	0.037	0.017	2.76	1.99	1.57	0.017	12.1	2.06	5.02
11	22-Jan-91	5.89	0.112	0.114	0.231	0.099	30.5	0.109	915	0.086	0.627	0.295	13.6	8.2	478	22.0	0.039	0.018	2.94	2.34	1.72	0.019	12.7	2.21	5.51
12	29-Jan-91	6.28	0.129	0.119	0.249	0.108	32.8	0.114	1023	0.091	0.674	0.347	14.8	9.3	506	23.9	0.042	0.018	3.14	2.84	1.87	0.021	13.3	2.38	6.12
13	05-Feb-91	6.88	0.140	0.123	0.266	0.116	34.9	0.121	1110	0.101	0.718	0.400	16.6	10.2	532	25.6	0.044	0.020	3.33	3.50	2.04	0.022	13.9	2.53	6.73
14	12-Feb-91	7.49	0.151	0.127	0.283	0.124	37.1	0.128	1197	0.111	0.762	0.452	18.4	11.1	559	27.3	0.046	0.021	3.53	4.16	2.20	0.024	14.5	2.67	7.33
15	19-Feb-91	8.32	0.155	0.131	0.299	0.133	39.1	0.137	1262	0.126	0.804	0.503	20.8	11.9	586	28.9	0.048	0.022	3.71	4.99	2.38	0.024	15.1	2.80	7.93
16	26-Feb-91	11.12	0.167	0.135	0.318	0.141	41.1	0.146	1329	0.135	0.846	0.563	23.3	12.6	612	30.6	0.050	0.023	3.90	5.83	2.59	0.025	17.4	2.93	8.57
17	05-Mar-91	11.92	0.171	0.139	0.334	0.149	43.1	0.155	1391	0.142	0.889	0.613	25.8	13.3	635	32.0	0.052	0.026	4.07	6.54	2.78	0.027	17.6	3.03	9.20
Maximum		11.92	0.171	0.139	0.334	0.149	43.1	0.155	1391	0.142	0.889	0.613	25.8	13.3	635	32.0	0.052	0.026	4.07	6.54	2.78	0.027	17.6	3.03	9.20
Minimum		1.26	0.023	0.010	0.021	0.007	4.3	0.029	105	0.009	0.174	0.048	7.9	0.7	70	3.8	0.002	0.001	1.14	0.15	0.13	0.002	2.4	0.26	2.00
Mean		5.25	0.088	0.081	0.188	0.078	25.6	0.092	757	0.068	0.535	0.255	13.3	6.6	402	18.5	0.032	0.014	2.58	2.32	1.37	0.015	11.2	1.83	4.88
Median		4.85	0.075	0.091	0.189	0.077	25.9	0.094	721	0.063	0.523	0.195	11.3	6.2	416	18.1	0.034	0.015	2.51	1.55	1.34	0.014	11.1	1.85	4.36
Mean Last 5 Weeks		9.14	0.157	0.131	0.300	0.133	39.1	0.137	1258	0.123	0.804	0.506	21.0	11.8	585	28.9	0.048	0.022	3.71	5.00	2.40	0.025	15.7	2.79	7.95
Final Flush		11.92	0.171	0.139	0.334	0.149	43.1	0.155	1391	0.142	0.889	0.613	25.8	13.3	635	32.0	0.052	0.026	4.07	6.54	2.78	0.027	17.6	3.03	9.20
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #3, H/W Argillite (Worst Case Net NP)

		Remaining Metal:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0	06-Nov-90	100.00	99.97	100.00	99.99	99.34	NA	99.72	99.42	99.99	98.06	99.96	99.99	99.98	99.87	99.53	99.83	99.99	97.16	99.98	99.53	100.0	95.17	NA	99.92
1	13-Nov-90	100.00	99.97	99.99	99.98	98.51	NA	99.65	98.87	99.99	97.45	99.95	99.99	99.97	99.71	99.18	99.63	99.99	96.47	99.95	99.08	100.0	89.95	NA	99.91
2	20-Nov-90	100.00	99.96	99.99	99.97	97.67	NA	99.57	98.38	99.98	96.78	99.94	99.99	99.95	99.61	98.93	97.95	99.96	96.09	99.94	98.65	100.0	86.26	NA	99.90
3	27-Nov-90	99.99	99.96	99.99	99.96	96.83	NA	99.47	97.85	99.98	96.32	99.92	99.99	99.93	99.52	98.71	97.74	99.96	95.69	99.89	97.99	100.0	82.83	NA	99.89
4	04-Dec-90	99.99	99.95	99.98	99.96	95.99	NA	99.40	97.53	99.96	95.98	99.91	99.98	99.92	99.46	98.55	97.53	99.95	95.39	99.83	97.53	99.9	81.48	NA	99.88
5	11-Dec-90	99.99	99.95	99.98	99.95	95.16	NA	99.34	97.16	99.96	95.61	99.90	99.98	99.90	99.40	98.37	97.32	99.95	95.03	99.82	96.98	99.9	81.06	NA	99.87
6	18-Dec-90	99.99	99.94	99.97	99.95	94.33	NA	99.27	96.82	99.95	95.21	99.88	99.98	99.89	99.35	98.19	97.12	99.95	94.66	99.81	96.41	99.9	80.19	NA	99.86
7	25-Dec-90	99.99	99.93	99.96	99.94	93.50	NA	99.21	96.48	99.94	94.81	99.86	99.98	99.87	99.31	98.02	96.91	99.94	94.29	99.79	95.84	99.9	79.32	NA	99.84
8	01-Jan-91	99.99	99.92	99.96	99.94	92.67	NA	99.14	96.13	99.94	94.41	99.84	99.98	99.85	99.26	97.85	96.70	99.93	93.92	99.77	95.27	99.9	78.44	NA	99.83
9	08-Jan-91	99.99	99.90	99.95	99.93	91.84	NA	99.07	95.82	99.92	93.98	99.82	99.98	99.83	99.22	97.68	96.49	99.93	93.54	99.74	94.68	99.9	77.11	NA	99.82
10	15-Jan-91	99.99	99.89	99.95	99.93	90.98	NA	99.02	95.35	99.91	93.51	99.78	99.98	99.81	99.17	97.48	96.28	99.92	93.09	99.69	94.10	99.9	75.83	NA	99.80
11	22-Jan-91	99.99	99.87	99.94	99.92	90.13	NA	98.96	94.89	99.90	93.03	99.74	99.98	99.79	99.12	97.28	96.06	99.92	92.65	99.63	93.52	99.9	74.55	NA	99.78
12	29-Jan-91	99.99	99.85	99.94	99.91	89.25	NA	98.91	94.28	99.90	92.52	99.70	99.97	99.76	99.07	97.05	95.85	99.91	92.15	99.56	92.96	99.9	73.32	NA	99.75
13	05-Feb-91	99.98	99.84	99.94	99.91	88.40	NA	98.85	93.80	99.89	92.03	99.65	99.97	99.74	99.02	96.84	95.63	99.91	91.67	99.45	92.34	99.9	72.14	NA	99.73
14	12-Feb-91	99.98	99.82	99.94	99.90	87.55	NA	98.78	93.31	99.88	91.53	99.61	99.97	99.72	98.97	96.63	95.42	99.90	91.18	99.35	91.72	99.8	70.95	NA	99.70
15	19-Feb-91	99.98	99.82	99.94	99.90	86.73	NA	98.70	92.95	99.86	91.07	99.56	99.96	99.70	98.93	96.43	95.22	99.89	90.72	99.22	91.05	99.8	69.80	NA	99.68
16	26-Feb-91	99.97	99.80	99.93	99.89	85.92	NA	98.61	92.58	99.85	90.60	99.51	99.96	99.68	98.88	96.22	95.01	99.89	90.26	99.09	90.25	99.8	65.22	NA	99.65
17	05-Mar-91	99.97	99.80	99.93	99.88	85.11	NA	98.52	92.23	99.84	90.12	99.47	99.96	99.66	98.84	96.05	94.81	99.88	89.81	98.98	89.56	99.8	64.74	NA	99.63
Maximum		100.00	99.97	100.00	99.99	99.34	NA	99.72	99.42	99.99	98.06	99.96	99.99	99.98	99.87	99.53	99.83	99.99	97.16	99.98	99.53	100.0	95.17	NA	99.92
Minimum		99.97	99.80	99.93	99.88	85.11	NA	98.52	92.23	99.84	90.12	99.47	99.96	99.66	98.84	96.05	94.81	99.88	89.81	98.98	89.56	99.8	64.74	NA	99.63
Mean		99.99	99.90	99.96	99.94	92.22	NA	99.12	95.77	99.92	94.06	99.78	99.98	99.83	99.26	97.72	96.75	99.93	93.54	99.64	94.86	99.9	77.69	NA	99.80
Median		99.99	99.91	99.96	99.93	92.25	NA	99.11	95.97	99.93	94.19	99.83	99.98	99.84	99.24	97.76	96.60	99.93	93.73	99.76	94.98	99.9	77.78	NA	99.82
Mean Last 5 Weeks		99.98	99.82	99.94	99.90	86.74	NA	98.69	92.97	99.86	91.07	99.56	99.96	99.70	98.93	96.43	95.22	99.89	90.73	99.22	90.98	99.8	68.57	NA	99.68
Final Flush		99.97	99.80	99.93	99.88	85.11	NA	98.52	92.23	99.84	90.12	99.47	99.96	99.66	98.84	96.05	94.81	99.88	89.81	98.98	89.56	99.8	64.74	NA	99.63
75% Remaining (Wks)		7385	3116	12555	4266	30	NA	289	66	2209	50	542	5903	1350	537	127	115	3100	50	211	38	3941	11	NA	1001
50% Remaining (Wks)		14760	6240	25127	8534	61	NA	578	135	4415	103	1078	11798	2701	1081	256	238	6198	105	413	73	7893	25	NA	1998
25% Remaining (Wks)		22136	9363	37698	12801	92	NA	866	204	6620	156	1613	17694	4051	1625	385	360	9296	160	614	108	11844	37	NA	2995
0% Remaining (Wks)		29511	12487	50270	17069	122	NA	1154	274	8826	209	2149	23589	5402	2169	515	483	12393	215	816	142	15796	49	NA	3993

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B4. Composite #4 (Argillite; Mean Condition Net NP)

Pre-Test ABA & ICP Metals Data Eskay Creek Composite #4 (Argillite) [H/W Argillite (Mean Condition Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		7.6
% S (Total)		3.17
% SO4		0.2
% S (Sulphide)		2.87
TAP (tonne CaCO3/ktonne)		99
NP (tonne CaCO3/ktonne)		114
CO2 (%)		4.6
CaNP (t CaCO3/ktonne)		105
NNP (tonne CaCO3/ktonne)		15
NP/AP		1.15
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	65400
Antimony	Sb	40
Arsenic	As	215
Barium	Ba	220
Bismuth	Bi	4
Boron	B	
Cadmium	Cd	3.5
Calcium	Ca	32300
Chromium	Cr	107
Cobalt	Co	19
Copper	Cu	44
Iron	Fe	43700
Lead	Pb	56
Magnesium	Mg	24500
Manganese	Mn	435
Mercury	Hg	4
Molybdenum	Mo	26
Nickel	Ni	71
Phosphorus	P	660
Selenium	Se	0.8
Silicon	Si	25.8
Silver	Ag	7
Sodium	Na	5100
Strontium	Sr	
Vanadium	V	120
Zinc	Zn	612

Post-Test ABA & ICP Metals Data Eskay Creek Composite #4 (Argillite) [H/W Argillite (Mean Condition Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		*Not Available*
TAP (tonne CaCO3/ktonne)		
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	
Antimony	Sb	
Arsenic	As	
Barium	Ba	
Beryllium	Be	
Bismuth	Bi	
Cadmium	Cd	
Calcium	Ca	
Chromium	Cr	
Cobalt	Co	*Not Available*
Copper	Cu	
Iron	Fe	
Lead	Pb	
Magnesium	Mg	
Manganese	Mn	
Mercury	Hg	
Molybdenum	Mo	
Nickel	Ni	
Phosphorus	P	
Selenium	Se	
Silicon	Si	
Silver	Ag	
Sodium	Na	
Strontium	Sr	
Vanadium	V	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown underlined, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Composite #4, H/W Argillite (Mean Condition Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Total Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)***	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	06-Nov-90	337	6.5	162	1650	44.1	9.9	951	3.34	14.86	320	320	99.7	99.6
1	13-Nov-90	446	7.58	249	1556	24.4	6.2	929	2.77	10.88	414	735	99.2	99.1
2	20-Nov-90	421	7.11	175	1076	24.9	5.5	559	2.32	10.48	235	970	99.0	98.9
3	27-Nov-90	423	7.27	234	927	25.7	4.8	485	2.03	10.87	205	1175	98.8	98.6
4	04-Dec-90	436	7.52	153	881	23	3.3	450	1.44	10.03	196	1372	98.6	98.4
5	11-Dec-90	418	7.23	157	837	22.3	4.1	405	1.71	9.32	169	1541	98.4	98.2
6	18-Dec-90	422	7.47	203	812	32.1	3.2	411	1.35	13.55	173	1714	98.2	98.0
7	25-Dec-90	399	7.24	162	831	26.7	4.8	416	1.92	10.65	166	1880	98.0	97.8
8	01-Jan-91	381	7.29	113	843	28.4	4.8	426	1.83	10.82	162	2043	97.9	97.6
9	08-Jan-91	431	7.27	159	644	39.4	4.1	304	1.77	16.98	131	2174	97.7	97.5
10	15-Jan-91	437	7.4	96	636	21.8	2.7	301	1.18	9.53	132	2305	97.6	97.3
11	22-Jan-91	398	7.14	208	591	35.6	3.1	298	1.23	14.17	119	2424	97.5	97.2
12	29-Jan-91	449	7.12	156	618	20.3	3.1	291	1.39	9.11	131	2554	97.3	97.0
13	05-Feb-91	417	7.37	136	736	22.4	3.1	355	1.29	9.34	148	2702	97.2	96.9
14	12-Feb-91	410	7.38	141	683	22.7	3.2	322	1.31	9.31	132	2834	97.0	96.7
15	19-Feb-91	412	7.15	155	653	21.9	3.1	307	1.28	9.02	126	2961	96.9	96.6
16	26-Feb-91	418	7.29	159	581	23.5	2.2	276	0.92	9.82	115	3076	96.8	96.4
17	05-Mar-91	406	7.21	162	647	243	2.7	286	1.10	98.66	116	3192	96.6	96.3
Maximum		449	7.58	249	1650	243.0	9.9	951	3.34	98.66	414	3192	99.7	99.6
Minimum		337	6.50	96	581	20.3	2.2	276	0.92	9.02	115	320	96.6	96.3
Mean		415	7.25	166	845	39.0	4.1	432	1.68	15.97	177	1999	97.9	97.7
Median		418	7.27	159	774	24.7	3.3	380	1.42	10.57	155	2108	97.8	97.6
Mean Last 5 Weeks		413	7.28	151	660	66.7	2.9	309	1.18	27.23	128	2953	96.9	96.6
Final Flush												3192	96.6	96.3
75% Remaining (Wks)													179	161
50% Remaining (Wks)													365	330
25% Remaining (Wks)													551	498
0% Remaining (Wks)													737	667

** If measured alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #4, H/W Argillite (Mean Condition Net NP)

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:**				Carbonate	Remaining	Feldspar	Remaining			
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)
0	06-Nov-90	0.045	24.1	0.85	1.08	0.87	333.8	363.6	99.68	348.7	99.69	359.8	99.68	289.5	99.75	664.3	99.42
1	13-Nov-90	0.025	41.5	0.73	1.05	0.75	431.6	453.4	99.28	442.5	99.31	452.4	99.29	323.5	99.46	860.4	98.66
2	20-Nov-90	0.043	28.0	0.83	1.20	0.85	245.1	266.1	99.05	255.6	99.08	294.0	99.03	209.2	99.28	488.0	98.23
3	27-Nov-90	0.051	25.8	0.95	1.32	0.98	213.7	235.4	98.84	224.6	98.88	281.1	98.78	209.7	99.09	425.4	97.86
4	04-Dec-90	0.049	19.9	0.64	0.98	0.66	204.4	224.4	98.65	214.4	98.70	199.4	98.61	134.2	98.98	407.3	97.50
5	11-Dec-90	0.053	24.2	0.82	1.28	0.83	176.3	195.0	98.48	185.7	98.53	225.7	98.41	145.7	98.85	351.0	97.20
6	18-Dec-90	0.075					180.7	207.8	98.29	194.2	98.36	184.1	98.25	126.4	98.74	360.0	96.88
7	25-Dec-90	0.062					172.9	194.2	98.12	183.6	98.20	184.1	98.09	126.4	98.63	343.9	96.58
8	01-Jan-91	0.064					169.1	190.7	97.96	179.9	98.04	184.1	97.93	126.4	98.52	336.3	96.28
9	08-Jan-91	0.124	8.6	0.78	1.07	0.79	136.5	170.4	97.81	153.5	97.91	146.5	97.80	107.8	98.42	271.2	96.05
10	15-Jan-91	0.070					137.0	156.1	97.67	146.5	97.78	163.5	97.65	125.4	98.31	272.9	95.81
11	22-Jan-91	0.115					123.5	151.9	97.54	137.7	97.66	163.5	97.51	125.4	98.20	245.9	95.59
12	29-Jan-91	0.067	19.8	1.04	1.33	1.05	136.1	154.3	97.40	145.2	97.53	180.4	97.35	143.0	98.08	270.8	95.35
13	05-Feb-91	0.061					154.2	172.9	97.25	163.5	97.39	160.6	97.21	123.3	97.97	307.1	95.08
14	12-Feb-91	0.068					137.5	156.1	97.11	146.8	97.26	160.6	97.07	123.3	97.86	273.7	94.84
15	19-Feb-91	0.068	16.0	0.81	1.10	0.82	131.8	149.8	96.98	140.8	97.14	144.4	96.94	107.5	97.77	262.2	94.61
16	26-Feb-91	0.082	15.2	0.93	1.24	0.95	120.2	139.8	96.86	130.0	97.02	149.2	96.81	114.1	97.67	239.4	94.40
17	05-Mar-91	0.815	1.3	0.82	1.05	0.83	121.0	318.3	96.58	219.6	96.83	127.5	96.70	100.2	97.58	240.8	94.19
Maximum		0.815	41.5	1.04	1.33	1.05	431.6	453.4	99.68	442.5	99.69	452.4	99.68	323.5	99.75	860.4	99.42
Minimum		0.025	1.3	0.64	0.98	0.66	120.2	139.8	96.58	130.0	96.83	127.5	96.70	100.2	97.58	239.4	94.19
Mean		0.108	20.4	0.84	1.15	0.85	184.7	216.7	97.97	200.7	98.07	208.9	97.95	153.4	98.51	367.8	96.36
Median		0.065	19.9	0.82	1.10	0.83	161.6	192.5	97.88	181.7	97.98	182.2	97.86	126.4	98.47	321.7	96.16
Mean Last 5 Weeks		0.219	10.8	0.85	1.13	0.86	132.9	187.4	96.96	160.2	97.13	148.5	96.95	113.7	97.77	264.7	94.63
Final Flush									96.58		96.83		96.70		97.58		94.19
75% Remaining (Wks)									149		173		185		244		101
50% Remaining (Wks)									301		351		377		495		208
25% Remaining (Wks)									453		529		569		746		316
0% Remaining (Wks)									606		707		760		997		424

*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used to calculate Molar Ratio NP Consumption values.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #4, H/W Argillite (Mean Condition Net NP)

		Dissolved Metals*:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(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)
0	06-Nov-90	1.31	*0.01*	*0.01*	0.107	*0.02*	8.57	0.023	336.9	0.004	0.361	0.014	1.71	0.04	54.1	2.461	*0.005*	0.044	1.598	0.35	0.14	*0.0015*	8.3	0.905	1.626
1	13-Nov-90	1.1	0.03	*0.01*	0.097	*0.02*	8.32	*0.001*	281.3	0.019	0.051	0.017	0.096	*0.01*	75.3	0.965	*0.005*	0.097	0.116	0.42	0.24	*0.0015*	10.6	0.804	0.065
2	20-Nov-90	0.33	*0.01*	*0.01*	0.084	*0.02*	4.92	*0.001*	193.5	*0.0025*	0.036	0.013	0.133	*0.01*	51.9	0.637	*0.005*	0.067	0.06	0.25	0.19	*0.0015*	6.4	0.64	0.052
3	27-Nov-90	0.86	*0.01*	*0.01*	0.078	*0.02*	4.14	*0.001*	192.5	*0.0025*	0.009	0.02	0.045	*0.01*	44.4	0.583	*0.005*	0.092	0.04	0.42	0.32	*0.0015*	7	0.488	0.056
4	04-Dec-90	0.8	0.03	*0.01*	0.048	*0.02*	3.2	0.003	120.5	0.039	0.028	0.022	0.048	0.03	37.8	0.368	*0.005*	0.07	0.049	0.62	0.18	0.008	3.2	0.475	0.028
5	11-Dec-90	0.68	*0.01*	*0.01*	0.045	*0.02*	3.08	*0.001*	138.3	*0.0025*	0.011	0.01	0.154	*0.01*	47.1	0.342	*0.005*	0.093	0.038	*0.01*	0.29	*0.0015*	1.5	0.353	0.046
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.43	0.03	*0.01*	0.039	*0.02*	2.13	*0.001*	98.8	0.011	0.011	0.03	0.267	*0.01*	22.5	0.251	*0.005*	0.075	0.031	0.26	0.28	*0.0015*	1.6	0.285	0.045
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.29	0.11	*0.01*	0.053	*0.02*	2.23	*0.001*	126.2	*0.0025*	*0*	0.058	0.21	*0.01*	20.9	0.229	*0.005*	0.109	0.011	0.61	0.15	*0.0015*	1.6	0.28	0.043
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.5	*0.01*	*0.01*	0.035	*0.02*	2.38	*0.001*	103.6	0.027	0.012	0.016	0.27	0.03	22.2	0.15	*0.005*	0.101	0.019	1.19	0.23	*0.0015*	1	0.294	0.039
16	26-Feb-91	2.82	0.06	*0.01*	0.044	*0.02*	2.33	0.007	107.2	0.021	0.035	0.045	0.38	0.05	21.5	0.35	*0.005*	0.102	0.036	1.3	0.26	0.007	2.5	0.281	0.081
17	05-Mar-91	0.4	0.04	*0.01*	0.039	*0.02*	2.26	*0.001*	98.4	*0.0025*	0.026	0.026	0.22	0.08	16.5	0.147	*0.005*	0.087	0.029	1.06	0.26	0.01	0.5	0.221	0.052
Maximum		2.82	0.11	0.01	0.107	0.02	8.57	0.023	337	0.0390	0.361	0.058	1.71	0.08	75.3	2.461	0.005	0.109	1.60	1.3	0.32	0.01	10.6	0.905	1.63
Minimum		0.29	0.01	0.01	0.035	0.02	2.13	0.001	98	0.0025	0.003	0.01	0.05	0.01	16.5	0.147	0.005	0.0440	0.01	0.01	0.14	0.0015	0.5	0.221	0.03
Mean		0.9	0.03	0.01	0.061	0.02	3.96	0.004	163	0.0121	0.053	0.025	0.32	0.03	37.7	0.589	0.005	0.0852	0.18	0.59	0.23	0.0034	4.0	0.457	0.19
Median		0.7	0.03	0.01	0.048	0.02	3.08	0.001	126	0.0040	0.026	0.020	0.21	0.01	37.8	0.350	0.005	0.0920	0.04	0.42	0.24	0.0015	2.5	0.353	0.05
Mean Last 5 Weeks		1.2	0.04	0.01	0.039	0.02	2.32	0.003	103	0.0168	0.024	0.029	0.29	0.05	20.1	0.216	0.005	0.0967	0.03	1.18	0.25	0.0062	1.3	0.265	0.06
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #4, H/W Argillite (Mean Condition Net NP)

		Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	06-Nov-90	0.44	0.003	0.003	0.036	0.007	2.89	0.0078	113.5	0.001	0.122	0.005	0.58	0.013	18.2	0.83	0.002	0.015	0.539	0.118	0.047	0.001	2.80	0.305	0.55
1	13-Nov-90	0.49	0.013	0.004	0.043	0.009	3.71	0.0004	125.5	0.008	0.023	0.008	0.04	0.004	33.6	0.43	0.002	0.043	0.052	0.187	0.107	0.001	4.73	0.359	0.03
2	20-Nov-90	0.14	0.004	0.004	0.035	0.008	2.07	0.0004	81.5	0.001	0.015	0.005	0.06	0.004	21.8	0.27	0.002	0.028	0.025	0.105	0.080	0.001	2.69	0.269	0.02
3	27-Nov-90	0.36	0.004	0.004	0.033	0.008	1.75	0.0004	81.4	0.001	0.004	0.008	0.02	0.004	18.8	0.25	0.002	0.039	0.017	0.178	0.135	0.001	2.96	0.206	0.02
4	04-Dec-90	0.35	0.013	0.004	0.021	0.009	1.40	0.0013	52.5	0.017	0.012	0.010	0.02	0.013	16.5	0.16	0.002	0.031	0.021	0.270	0.078	0.003	1.40	0.207	0.01
5	11-Dec-90	0.28	0.004	0.004	0.019	0.008	1.29	0.0004	57.8	0.001	0.005	0.004	0.06	0.004	19.7	0.14	0.002	0.039	0.016	0.004	0.121	0.001	0.63	0.148	0.02
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.19	0.013	0.004	0.017	0.009	0.92	0.0004	42.6	0.005	0.005	0.013	0.12	0.004	9.7	0.11	0.002	0.032	0.013	0.112	0.121	0.001	0.69	0.123	0.02
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.13	0.049	0.004	0.024	0.009	1.00	0.0004	56.7	0.001	0.001	0.026	0.09	0.004	9.4	0.10	0.002	0.049	0.005	0.274	0.067	0.001	0.72	0.126	0.02
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.21	0.004	0.004	0.014	0.008	0.98	0.0004	42.7	0.011	0.005	0.007	0.11	0.012	9.1	0.06	0.002	0.042	0.008	0.490	0.095	0.001	0.41	0.121	0.02
16	26-Feb-91	1.18	0.025	0.004	0.018	0.008	0.97	0.0029	44.8	0.009	0.015	0.019	0.16	0.021	9.0	0.15	0.002	0.043	0.015	0.543	0.109	0.003	1.05	0.117	0.03
17	05-Mar-91	0.16	0.016	0.004	0.016	0.008	0.92	0.0004	40.0	0.001	0.011	0.011	0.09	0.032	6.7	0.06	0.002	0.035	0.012	0.430	0.106	0.004	0.20	0.090	0.02
Maximum		1.18	0.049	0.004	0.043	0.009	3.71	0.0078	125.5	0.017	0.122	0.026	0.58	0.032	33.6	0.83	0.002	0.049	0.539	0.543	0.135	0.004	4.73	0.359	0.55
Minimum		0.13	0.003	0.003	0.014	0.007	0.92	0.0004	40.0	0.001	0.001	0.004	0.02	0.004	6.7	0.06	0.002	0.015	0.005	0.004	0.047	0.001	0.20	0.090	0.01
Mean		0.36	0.014	0.004	0.025	0.008	1.63	0.0014	67.2	0.005	0.020	0.010	0.12	0.011	15.7	0.23	0.002	0.036	0.066	0.247	0.097	0.001	1.66	0.188	0.07
Median		0.28	0.013	0.004	0.021	0.008	1.29	0.0004	56.7	0.001	0.011	0.008	0.09	0.004	16.5	0.15	0.002	0.039	0.016	0.187	0.106	0.001	1.05	0.148	0.02
Mean Last 5 Weeks		0.52	0.015	0.004	0.016	0.008	0.96	0.0012	42.5	0.007	0.010	0.012	0.12	0.022	8.3	0.09	0.002	0.040	0.012	0.488	0.103	0.003	0.55	0.109	0.02
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #4, H/W Argillite (Mean Condition Net NP)

		Cumulative Metal Leach Rates:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	06-Nov-90	0.44	0.003	0.003	0.036	0.007	2.9	0.008	114	0.001	0.122	0.005	0.6	0.013	18	0.83	0.002	0.015	0.539	0.12	0.05	0.001	2.8	0.30	0.55
1	13-Nov-90	0.93	0.017	0.008	0.079	0.016	6.6	0.008	239	0.010	0.144	0.012	0.6	0.018	52	1.26	0.004	0.058	0.590	0.31	0.15	0.001	7.5	0.66	0.58
2	20-Nov-90	1.07	0.021	0.012	0.115	0.024	8.7	0.009	320	0.011	0.160	0.018	0.7	0.022	74	1.53	0.006	0.086	0.616	0.41	0.23	0.002	10.2	0.93	0.60
3	27-Nov-90	1.43	0.025	0.016	0.148	0.033	10.4	0.009	402	0.012	0.163	0.026	0.7	0.026	92	1.77	0.008	0.125	0.632	0.59	0.37	0.002	13.2	1.14	0.62
4	04-Dec-90	1.78	0.038	0.021	0.169	0.041	11.8	0.010	454	0.029	0.176	0.036	0.7	0.039	109	1.93	0.010	0.156	0.654	0.86	0.45	0.006	14.6	1.35	0.63
5	11-Dec-90	2.07	0.042	0.025	0.187	0.050	13.1	0.011	512	0.030	0.180	0.040	0.8	0.044	129	2.08	0.012	0.195	0.670	0.86	0.57	0.007	15.2	1.49	0.65
6	18-Dec-90	2.30	0.051	0.029	0.205	0.058	14.2	0.011	562	0.033	0.185	0.049	0.9	0.048	143	2.20	0.015	0.230	0.684	0.92	0.69	0.007	15.9	1.63	0.67
7	25-Dec-90	2.54	0.060	0.033	0.223	0.067	15.3	0.012	613	0.036	0.190	0.057	1.0	0.052	158	2.33	0.017	0.266	0.699	0.98	0.81	0.008	16.5	1.76	0.69
8	01-Jan-91	2.77	0.068	0.038	0.241	0.075	16.4	0.012	663	0.039	0.194	0.066	1.0	0.056	173	2.45	0.019	0.301	0.714	1.04	0.93	0.008	17.2	1.90	0.71
9	08-Jan-91	2.96	0.081	0.042	0.258	0.084	17.3	0.012	705	0.043	0.199	0.079	1.2	0.061	182	2.56	0.021	0.334	0.727	1.15	1.05	0.009	17.9	2.02	0.73
10	15-Jan-91	3.12	0.112	0.046	0.278	0.093	18.3	0.013	755	0.046	0.202	0.098	1.3	0.065	192	2.67	0.023	0.374	0.736	1.34	1.15	0.010	18.6	2.15	0.75
11	22-Jan-91	3.27	0.143	0.051	0.298	0.101	19.2	0.013	805	0.049	0.205	0.118	1.4	0.069	201	2.77	0.025	0.415	0.745	1.54	1.24	0.010	19.3	2.27	0.77
12	29-Jan-91	3.40	0.193	0.055	0.322	0.110	20.3	0.014	861	0.050	0.206	0.144	1.5	0.074	211	2.88	0.028	0.464	0.750	1.81	1.31	0.011	20.0	2.40	0.79
13	05-Feb-91	3.57	0.220	0.059	0.341	0.119	21.2	0.014	911	0.057	0.209	0.160	1.6	0.082	220	2.96	0.030	0.509	0.757	2.19	1.39	0.012	20.6	2.52	0.81
14	12-Feb-91	3.74	0.246	0.064	0.360	0.128	22.2	0.015	961	0.063	0.212	0.176	1.7	0.091	229	3.04	0.032	0.554	0.763	2.57	1.47	0.012	21.1	2.64	0.82
15	19-Feb-91	3.95	0.250	0.068	0.375	0.136	23.2	0.015	1003	0.074	0.217	0.183	1.8	0.103	239	3.10	0.034	0.596	0.771	3.06	1.57	0.013	21.5	2.76	0.84
16	26-Feb-91	5.12	0.275	0.072	0.393	0.144	24.2	0.018	1048	0.083	0.232	0.202	1.9	0.124	248	3.25	0.036	0.639	0.786	3.61	1.67	0.016	22.6	2.88	0.87
17	05-Mar-91	5.29	0.292	0.076	0.409	0.152	25.1	0.018	1088	0.084	0.242	0.212	2.0	0.157	254	3.31	0.038	0.674	0.798	4.04	1.78	0.020	22.8	2.97	0.90
Maximum		5.29	0.292	0.076	0.409	0.152	25.1	0.018	1088	0.084	0.242	0.212	2.0	0.157	254	3.31	0.038	0.674	0.798	4.04	1.78	0.020	22.8	2.97	0.90
Minimum		0.44	0.003	0.003	0.036	0.007	2.9	0.008	114	0.001	0.122	0.005	0.6	0.013	18	0.83	0.002	0.015	0.539	0.12	0.05	0.001	2.8	0.30	0.55
Mean		2.76	0.119	0.040	0.246	0.080	16.1	0.012	668	0.042	0.191	0.093	1.2	0.064	162	2.39	0.020	0.333	0.702	1.52	0.94	0.009	16.5	1.88	0.72
Median		2.86	0.075	0.040	0.249	0.079	16.9	0.012	684	0.041	0.197	0.072	1.1	0.059	178	2.51	0.020	0.318	0.720	1.09	0.99	0.009	17.5	1.96	0.72
Mean Last 5 Weeks		4.33	0.257	0.068	0.376	0.136	23.2	0.016	1002	0.072	0.222	0.187	1.8	0.111	238	3.13	0.034	0.595	0.775	3.09	1.58	0.015	21.7	2.76	0.85
Final Flush		5.29	0.292	0.076	0.409	0.152	25.1	0.018	1088	0.084	0.242	0.212	2.0	0.157	254	3.31	0.038	0.674	0.798	4.04	1.78	0.020	22.8	2.97	0.90
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #4, H/W Argillite (Mean Condition Net NP)

		Remaining Metal:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0	06-Nov-90	100.00	99.99	100.00	99.98	99.83	NA	99.78	99.65	100.00	99.36	99.99	100.00	99.98	99.93	99.81	99.96	99.94	99.24	99.98	99.82	100.0	99.95	NA	99.91
1	13-Nov-90	100.00	99.96	100.00	99.96	99.61	NA	99.77	99.26	99.99	99.24	99.97	100.00	99.97	99.79	99.71	99.90	99.78	99.17	99.95	99.40	100.0	99.85	NA	99.91
2	20-Nov-90	100.00	99.95	99.99	99.95	99.40	NA	99.75	99.01	99.99	99.16	99.96	100.00	99.96	99.70	99.65	99.85	99.67	99.13	99.94	99.09	100.0	99.80	NA	99.90
3	27-Nov-90	100.00	99.94	99.99	99.93	99.19	NA	99.74	98.76	99.99	99.14	99.94	100.00	99.95	99.62	99.59	99.80	99.52	99.11	99.91	98.57	100.0	99.74	NA	99.90
4	04-Dec-90	100.00	99.90	99.99	99.92	98.97	NA	99.70	98.59	99.97	99.08	99.92	100.00	99.93	99.56	99.56	99.74	99.40	99.08	99.87	98.26	99.9	99.71	NA	99.90
5	11-Dec-90	100.00	99.89	99.99	99.91	98.76	NA	99.69	98.41	99.97	99.05	99.91	100.00	99.92	99.48	99.52	99.69	99.25	99.06	99.87	97.79	99.9	99.70	NA	99.89
6	18-Dec-90	100.00	99.87	99.99	99.91	98.55	NA	99.68	98.26	99.97	99.03	99.89	100.00	99.91	99.42	99.49	99.64	99.11	99.04	99.86	97.32	99.9	99.69	NA	99.89
7	25-Dec-90	100.00	99.85	99.98	99.90	98.34	NA	99.67	98.10	99.97	99.00	99.87	100.00	99.91	99.36	99.46	99.58	98.98	99.02	99.85	96.86	99.9	99.68	NA	99.89
8	01-Jan-91	100.00	99.83	99.98	99.89	98.12	NA	99.66	97.95	99.96	98.98	99.85	100.00	99.90	99.30	99.44	99.53	98.84	98.99	99.84	96.39	99.9	99.66	NA	99.88
9	08-Jan-91	100.00	99.80	99.98	99.88	97.91	NA	99.64	97.82	99.96	98.95	99.82	100.00	99.89	99.26	99.41	99.48	98.72	98.98	99.83	95.92	99.9	99.65	NA	99.88
10	15-Jan-91	100.00	99.72	99.98	99.87	97.69	NA	99.63	97.66	99.96	98.94	99.78	100.00	99.88	99.22	99.39	99.42	98.56	98.96	99.80	95.55	99.9	99.64	NA	99.88
11	22-Jan-91	99.99	99.64	99.98	99.86	97.47	NA	99.62	97.51	99.95	98.92	99.73	100.00	99.88	99.18	99.36	99.37	98.40	98.95	99.77	95.19	99.9	99.62	NA	99.87
12	29-Jan-91	99.99	99.52	99.97	99.85	97.24	NA	99.61	97.33	99.95	98.92	99.67	100.00	99.87	99.14	99.34	99.31	98.22	98.94	99.73	94.93	99.8	99.61	NA	99.87
13	05-Feb-91	99.99	99.45	99.97	99.84	97.03	NA	99.59	97.18	99.95	98.90	99.64	100.00	99.85	99.10	99.32	99.26	98.04	98.93	99.67	94.62	99.8	99.60	NA	99.87
14	12-Feb-91	99.99	99.38	99.97	99.84	96.81	NA	99.58	97.03	99.94	98.88	99.60	100.00	99.84	99.06	99.30	99.20	97.87	98.93	99.61	94.30	99.8	99.59	NA	99.87
15	19-Feb-91	99.99	99.37	99.97	99.83	96.61	NA	99.57	96.89	99.93	98.86	99.58	100.00	99.82	99.03	99.29	99.15	97.71	98.91	99.54	93.93	99.8	99.58	NA	99.86
16	26-Feb-91	99.99	99.31	99.97	99.82	96.40	NA	99.49	96.75	99.92	98.78	99.54	100.00	99.78	98.99	99.25	99.10	97.54	98.89	99.45	93.51	99.8	99.56	NA	99.86
17	05-Mar-91	99.99	99.27	99.96	99.81	96.19	NA	99.47	96.63	99.92	98.73	99.52	100.00	99.72	98.96	99.24	99.05	97.41	98.88	99.39	93.10	99.7	99.55	NA	99.85
Maximum		100.00	99.99	100.00	99.98	99.83	NA	99.78	99.65	100.00	99.36	99.99	100.00	99.98	99.93	99.81	99.96	99.94	99.24	99.98	99.82	100.0	99.95	NA	99.91
Minimum		99.99	99.27	99.96	99.81	96.19	NA	99.47	96.63	99.92	98.73	99.52	100.00	99.72	98.96	99.24	99.05	97.41	98.88	99.39	93.10	99.7	99.55	NA	99.85
Mean		100.00	99.70	99.98	99.89	98.01	NA	99.65	97.93	99.96	99.00	99.79	100.00	99.89	99.34	99.45	99.50	98.72	99.01	99.77	96.36	99.9	99.68	NA	99.88
Median		100.00	99.81	99.98	99.89	98.02	NA	99.65	97.88	99.96	98.97	99.84	100.00	99.90	99.28	99.42	99.50	98.78	98.99	99.83	96.15	99.9	99.66	NA	99.88
Mean Last 5 Weeks		99.99	99.36	99.97	99.83	96.61	NA	99.54	96.90	99.93	98.83	99.58	100.00	99.80	99.03	99.28	99.15	97.71	98.91	99.53	93.89	99.8	99.57	NA	99.86
Final Flush		99.99	99.27	99.96	99.81	96.19	NA	99.47	96.63	99.92	98.73	99.52	100.00	99.72	98.96	99.24	99.05	97.41	98.88	99.39	93.10	99.7	99.55	NA	99.85
75% Remaining (Wks)		31711	659	13046	3385	121	NA	704	182	3843	467	918	91195	650	727	1199	485	164	1486	348	63	701	2281	NA	6442
50% Remaining (Wks)		63414	1319	26092	6776	242	NA	1405	373	7679	940	1836	182388	1289	1467	2418	970	327	3023	686	126	1391	4585	NA	12903
25% Remaining (Wks)		95117	1979	39138	10168	364	NA	2107	563	11516	1413	2754	273582	1927	2207	3636	1456	490	4559	1024	189	2081	6889	NA	19364
0% Remaining (Wks)		126821	2640	52184	13560	485	NA	2808	753	15352	1886	3671	364776	2566	2947	4854	1941	653	6096	1362	251	2772	9194	NA	25825

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B5. Composite #5 (Contact Zone; Worst-Case Net NP)

Pre-Test ABA & ICP Metals Data Eskay Creek Composite #5 (Contact Zone) [Contact Zone (Worst Case Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		7.4
% S (Total)		3.79
% SO4		0.13
% S (Sulphide)		3.75
TAP (tonne CaCO3/ktonne)		118
NP (tonne CaCO3/ktonne)		24.3
CO2 (%)		0.4
CaNP (t CaCO3/ktonne)		9
NNP (tonne CaCO3/ktonne)		-94
NP/AP		0.21
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	68900
Antimony	Sb	10
Arsenic	As	145
Barium	Ba	570
Bismuth	Bi	6
Boron	B	
Cadmium	Cd	0.5
Calcium	Ca	1900
Chromium	Cr	91
Cobalt	Co	3
Copper	Cu	7
Iron	Fe	42600
Lead	Pb	146
Magnesium	Mg	18100
Manganese	Mn	125
Mercury	Hg	0.5
Molybdenum	Mo	57
Nickel	Ni	22
Phosphorus	P	80
Selenium	Se	0.1
Silicon	Si	31.1
Silver	Ag	3
Sodium	Na	4800
Strontium	Sr	
Vanadium	V	0.5
Zinc	Zn	342

Post-Test ABA & ICP Metals Data Eskay Creek Composite #5 (Contact Zone) [Contact Zone (Worst Case Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		*Not Available*
TAP (tonne CaCO3/ktonne)		
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	
Antimony	Sb	
Arsenic	As	
Barium	Ba	
Beryllium	Be	
Bismuth	Bi	
Cadmium	Cd	
Calcium	Ca	
Chromium	Cr	
Cobalt	Co	*Not Available*
Copper	Cu	
Iron	Fe	
Lead	Pb	
Magnesium	Mg	
Manganese	Mn	
Mercury	Hg	
Molybdenum	Mo	
Nickel	Ni	
Phosphorus	P	
Selenium	Se	
Silicon	Si	
Silver	Ag	
Sodium	Na	
Strontium	Sr	
Vanadium	V	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown underlined, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Composite #5, H/W Contact Zone (Worst Case Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Total Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)***	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	06-Nov-90	267	4.9	215	970	2.2	10.6	502	2.83	0.59	134	134	99.9	99.9
1	13-Nov-90	467	6.08	258	1377	8.4	4.8	803	2.24	3.92	375	509	99.6	99.5
2	20-Nov-90	427	5.08	199	803	*0.5*	6.1	370	2.60	0.21	158	667	99.4	99.4
3	27-Nov-90	425	5.64	240	639	3.1	5.7	304	2.42	1.32	129	796	99.3	99.3
4	04-Dec-90	439	5.29	217	677	2.7	5	337	2.20	1.19	148	944	99.2	99.2
5	11-Dec-90	418	5.05	233	675	2.6	6	338	2.51	1.09	141	1085	99.0	99.0
6	18-Dec-90	423	4.8	292	683	*0.5*	6.7	338	2.83	0.21	143	1228	98.9	98.9
7	25-Dec-90	407	4.83	248	623	*0.5*	7.3	307	2.97	0.20	125	1353	98.8	98.8
8	01-Jan-91	377	4.91	215	657	*0.5*	8.4	331	3.17	0.19	125	1478	98.7	98.7
9	08-Jan-91	425	4.84	233	528	*0.5*	6.7	248	2.85	0.21	105	1584	98.6	98.6
10	15-Jan-91	438	5	183	539	*0.5*	5.8	255	2.54	0.22	112	1695	98.5	98.5
11	22-Jan-91	409	4.63	291	512	*0.5*	6.8	266	2.78	0.20	109	1804	98.4	98.4
12	29-Jan-91	438	4.85	252	549	*0.5*	6.3	266	2.76	0.22	117	1921	98.3	98.3
13	05-Feb-91	418	4.78	199	588	*0.5*	6	285	2.51	0.21	119	2040	98.2	98.2
14	12-Feb-91	405	4.75	217	623	*0.5*	7.1	303	2.88	0.20	123	2162	98.1	98.1
15	19-Feb-91	413	4.65	233	669	*0.5*	8.6	331	3.55	0.21	137	2299	98.0	98.0
16	26-Feb-91	414	4.6	246	610	*0.5*	7.4	303	3.06	0.21	125	2425	97.9	97.8
17	05-Mar-91	409	4.57	249	579	*0.5*	7.5	299	3.07	0.20	122	2547	97.8	97.7
Maximum		467	6.08	292	1377	8.4	10.6	803	3.55	3.92	375	2547	99.9	99.9
Minimum		267	4.57	183	512	0.5	4.8	248	2.20	0.19	105	134	97.8	97.7
Mean		412	4.96	234	683	1.4	6.8	344	2.76	0.60	141	1482	98.7	98.7
Median		418	4.85	233	631	0.5	6.7	306	2.81	0.21	125	1531	98.7	98.6
Mean Last 5 Weeks		412	4.67	229	614	0.5	7.3	304	3.01	0.21	125	2295	98.0	98.0
Final Flush												2547	97.8	97.7
75% Remaining (Wks)													224	222
50% Remaining (Wks)													451	446
25% Remaining (Wks)													678	670
0% Remaining (Wks)													904	894

** If measured alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #5, H/W Contact Zone (Worst Case Net NP)

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:**				Carbonate	Remaining	Feldspar	Remaining			
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining	
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP	
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical	
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)	
0	06-Nov-90	0.004	235.4	0.50	1.00	0.64	139.6	140.8	99.42	140.2	99.42	139.3	99.43	90.0	99.63	276.4	98.86	
1	13-Nov-90	0.010	93.3	0.40	0.94	0.50	390.6	398.5	97.78	394.5	97.80	368.4	97.91	194.9	98.83	779.0	95.66	
2	20-Nov-90	0.001	870.6	0.48	1.14	0.56	164.6	165.0	97.10	164.8	97.12	187.1	97.14	92.7	98.45	326.5	94.31	
3	27-Nov-90	0.010	120.0	0.55	1.18	0.62	134.6	137.2	96.54	135.9	96.56	159.1	96.49	83.1	98.10	266.7	93.22	
4	04-Dec-90	0.008	131.3	0.41	1.02	0.44	154.1	156.5	95.89	155.3	95.92	156.7	95.84	67.7	97.83	306.0	91.96	
5	11-Dec-90	0.007	137.1	0.46	1.02	0.48	147.2	149.3	95.28	148.3	95.31	150.0	95.22	71.1	97.53	291.8	90.75	
6	18-Dec-90	0.001					148.9	149.4	94.66	149.1	94.70	133.6	94.67	58.2	97.29	295.0	89.54	
7	25-Dec-90	0.002					130.2	130.6	94.13	130.4	94.16	133.6	94.12	58.2	97.05	257.3	88.48	
8	01-Jan-91	0.001					130.0	130.4	93.59	130.2	93.63	133.6	93.57	58.2	96.81	256.8	87.42	
9	08-Jan-91	0.002	544.8	0.41	1.06	0.42	109.8	110.2	93.14	110.0	93.17	116.5	93.09	46.5	96.62	216.7	86.53	
10	15-Jan-91	0.002					116.3	116.8	92.66	116.6	92.69	132.7	92.55	56.5	96.39	230.1	85.59	
11	22-Jan-91	0.002					113.3	113.7	92.19	113.5	92.23	132.7	92.00	56.5	96.16	223.9	84.66	
12	29-Jan-91	0.002	681.1	0.54	1.24	0.55	121.4	121.8	91.69	121.6	91.73	150.0	91.39	67.4	95.88	240.0	83.68	
13	05-Feb-91	0.002					124.1	124.5	91.17	124.3	91.22	151.4	90.76	64.5	95.61	245.7	82.67	
14	12-Feb-91	0.002					127.8	128.2	90.65	128.0	90.69	151.4	90.14	64.5	95.35	252.8	81.63	
15	19-Feb-91	0.001	777.2	0.36	1.13	0.36	142.4	142.8	90.06	142.6	90.10	161.3	89.47	51.9	95.14	281.2	80.47	
16	26-Feb-91	0.002	724.2	0.35	1.15	0.35	130.7	131.1	89.52	130.9	89.56	150.7	88.85	46.0	94.95	258.3	79.41	
17	05-Mar-91	0.002	685.8	0.37	1.11	0.38	127.4	127.8	88.99	127.6	89.04	140.9	88.28	48.9	94.75	251.7	78.37	
Maximum		0.010	870.6	0.55	1.24	0.64	390.6	398.5	99.42	394.5	99.42	368.4	99.43	194.9	99.63	779.0	98.86	
Minimum		0.001	93.3	0.35	0.94	0.35	109.8	110.2	88.99	110.0	89.04	116.5	88.28	46.0	94.75	216.7	78.37	
Mean		0.003	454.6	0.44	1.09	0.48	147.4	148.6	93.58	148.0	93.61	158.3	93.39	70.9	96.80	292.0	87.40	
Median		0.002	544.8	0.41	1.11	0.48	130.4	130.8	93.36	130.6	93.40	150.0	93.33	61.4	96.72	257.8	86.98	
Mean Last 5 Weeks		0.002	729.1	0.36	1.13	0.37	130.5	130.9	90.08	130.7	90.12	151.1	89.50	55.2	95.16	257.9	80.51	
Final Flush									88.99		89.04		88.28		94.75		78.37	
75% Remaining (Wks)									44		44		39		105		21	
50% Remaining (Wks)									90		91		80		215		45	
25% Remaining (Wks)									137		137		120		325		68	
0% Remaining (Wks)									183		184		160		435		92	
		*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used																
		to calculate Molar Ratio NP Consumption values.																

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #5, H/W Contact Zone (Worst Case Net NP)

		Dissolved Metals*:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(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)
0	06-Nov-90	1.09	0.04	*0.01*	0.079	*0.02*	4.85	0.006	105	0.017	0.02	0.018	1.361	0.17	62.1	1.091	*0.005*	0.009	0.297	0.2	0.47	0.004	34.5	2.344	0.432
1	13-Nov-90	0.59	*0.01*	*0.01*	0.063	*0.02*	6.52	*0.001*	134.9	0.027	0.032	0.017	0.111	0.03	108.5	1.716	*0.005*	0.006	0.241	0.26	0.44	*0.0015*	*37*	2.978	0.095
2	20-Nov-90	0.06	*0.01*	*0.01*	0.07	*0.02*	3.6	*0.001*	73.9	*0.0025*	0.028	0.009	0.14	*0.01*	60.9	0.962	*0.005*	0.007	0.113	0.05	0.28	*0.0015*	15	1.642	0.091
3	27-Nov-90	0.54	*0.01*	*0.01*	0.067	*0.02*	3.08	*0.001*	69.7	*0.0025*	0.013	0.022	0.068	*0.01*	48.1	0.814	*0.005*	*0.0015*	0.121	0.16	0.4	*0.0015*	9.9	1.178	0.095
4	04-Dec-90	0.63	0.03	0.03	0.047	0.05	2.7	0.009	57.4	0.059	0.037	0.023	0.121	0.03	51.3	0.763	*0.005*	0.014	0.13	0.42	0.31	0.011	5	1.427	0.096
5	11-Dec-90	0.48	*0.01*	*0.01*	0.38	*0.02*	2.5	0.006	65.1	0.008	0.008	0.017	0.201	0.03	47.1	0.802	*0.005*	0.003	0.123	0.02	0.34	*0.0015*	3.5	1.057	0.144
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.32	0.04	*0.01*	0.036	*0.02*	1.84	*0.001*	42.3	0.018	0.03	0.03	0.386	0.06	40.5	0.696	0.005	0.004	0.131	0.19	0.33	0.005	1.7	0.803	0.192
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.38	0.07	*0.01*	0.044	*0.02*	2.08	*0.001*	60.2	0.009	0.013	0.06	0.41	0.1	46.2	0.792	*0.005*	0.004	0.154	0.42	0.25	*0.0015*	1.6	0.854	0.256
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.51	*0.01*	*0.01*	0.036	*0.02*	2.65	*0.001*	49.1	0.035	0.023	0.028	0.66	0.06	64.6	0.927	*0.005*	0.008	0.179	1.06	0.31	*0.0015*	1.4	0.86	0.33
16	26-Feb-91	0.43	*0.01*	*0.01*	0.028	*0.02*	2.46	0.003	44.1	0.005	0.017	0.018	0.57	*0.01*	61.2	0.864	*0.005*	*0.0015*	0.163	0.94	0.26	*0.0015*	0.5	0.746	0.314
17	05-Mar-91	0.64	0.06	0.03	0.035	*0.02*	2.51	0.003	46.3	*0.0025*	0.213	0.032	0.63	0.26	55.2	0.847	*0.005*	0.016	0.213	0.97	0.33	*0.0015*	1.8	0.587	0.343
Maximum		1.09	0.07	0.03	0.38	0.05	6.52	0.009	135	0.0590	0.213	0.06	1.36	0.26	108.5	1.716	0.005	0.016	0.30	1.06	0.47	0.011	37	2.978	0.43
Minimum		0.06	0.01	0.01	0.028	0.02	1.84	0.001	42	0.0025	0.008	0.009	0.07	0.01	40.5	0.696	0.005	0.0015	0.11	0.02	0.25	0.0015	0.5	0.587	0.09
Mean		0.52	0.03	0.01	0.080	0.02	3.16	0.003	68	0.0169	0.039	0.025	0.42	0.07	58.7	0.934	0.005	0.0067	0.17	0.43	0.34	0.0029	10.2	1.316	0.22
Median		0.51	0.01	0.01	0.047	0.02	2.65	0.001	60	0.0090	0.023	0.022	0.39	0.03	55.2	0.847	0.005	0.0060	0.15	0.26	0.33	0.0015	3.5	1.057	0.19
Mean Last 5 Weeks		0.53	0.03	0.02	0.033	0.02	2.54	0.002	47	0.0142	0.084	0.026	0.62	0.11	60.3	0.879	0.005	0.0085	0.19	0.99	0.30	0.0015	1.2	0.731	0.33
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #5, H/W Contact Zone (Worst Case Net NP)

		Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	06-Nov-90	0.29	0.011	0.003	0.021	0.005	1.29	0.0016	28.0	0.005	0.005	0.005	0.36	0.045	16.6	0.29	0.001	0.002	0.079	0.053	0.125	0.001	9.21	0.626	0.12
1	13-Nov-90	0.28	0.005	0.005	0.029	0.009	3.04	0.0005	63.0	0.013	0.015	0.008	0.05	0.014	50.7	0.80	0.002	0.003	0.113	0.121	0.205	0.001	17.28	1.391	0.04
2	20-Nov-90	0.03	0.004	0.004	0.030	0.009	1.54	0.0004	31.6	0.001	0.012	0.004	0.06	0.004	26.0	0.41	0.002	0.003	0.048	0.021	0.120	0.001	6.41	0.701	0.04
3	27-Nov-90	0.23	0.004	0.004	0.028	0.009	1.31	0.0004	29.6	0.001	0.006	0.009	0.03	0.004	20.4	0.35	0.002	0.001	0.051	0.068	0.170	0.001	4.21	0.501	0.04
4	04-Dec-90	0.28	0.013	0.013	0.021	0.022	1.19	0.0040	25.2	0.026	0.016	0.010	0.05	0.013	22.5	0.33	0.002	0.006	0.057	0.184	0.136	0.005	2.20	0.626	0.04
5	11-Dec-90	0.20	0.004	0.004	0.159	0.008	1.05	0.0025	27.2	0.003	0.003	0.007	0.08	0.013	19.7	0.34	0.002	0.001	0.051	0.008	0.142	0.001	1.46	0.442	0.06
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.14	0.017	0.004	0.015	0.009	0.78	0.0004	18.0	0.008	0.013	0.013	0.16	0.026	17.2	0.30	0.002	0.002	0.056	0.081	0.140	0.002	0.72	0.341	0.08
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.17	0.031	0.004	0.019	0.009	0.91	0.0004	26.4	0.004	0.006	0.026	0.18	0.044	20.2	0.35	0.002	0.002	0.067	0.184	0.110	0.001	0.70	0.374	0.11
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.21	0.004	0.004	0.015	0.008	1.09	0.0004	20.3	0.014	0.009	0.012	0.27	0.025	26.7	0.38	0.002	0.003	0.074	0.438	0.128	0.001	0.58	0.355	0.14
16	26-Feb-91	0.18	0.004	0.004	0.012	0.008	1.02	0.0012	18.3	0.002	0.007	0.007	0.24	0.004	25.3	0.36	0.002	0.001	0.067	0.389	0.108	0.001	0.21	0.309	0.13
17	05-Mar-91	0.26	0.025	0.012	0.014	0.008	1.03	0.0012	18.9	0.001	0.087	0.013	0.26	0.106	22.6	0.35	0.002	0.007	0.087	0.397	0.135	0.001	0.74	0.240	0.14
Maximum		0.29	0.031	0.013	0.159	0.022	3.04	0.0040	63.0	0.026	0.087	0.026	0.36	0.106	50.7	0.80	0.002	0.007	0.113	0.438	0.205	0.005	17.28	1.391	0.14
Minimum		0.03	0.004	0.003	0.012	0.005	0.78	0.0004	18.0	0.001	0.003	0.004	0.03	0.004	16.6	0.29	0.001	0.001	0.048	0.008	0.108	0.001	0.21	0.240	0.04
Mean		0.20	0.011	0.006	0.033	0.009	1.30	0.0012	27.9	0.007	0.016	0.010	0.16	0.027	24.4	0.39	0.002	0.003	0.068	0.177	0.138	0.001	3.97	0.537	0.09
Median		0.21	0.005	0.004	0.021	0.009	1.09	0.0005	26.4	0.004	0.009	0.009	0.16	0.014	22.5	0.35	0.002	0.002	0.067	0.121	0.135	0.001	1.46	0.442	0.08
Mean Last 5 Weeks		0.22	0.011	0.007	0.014	0.008	1.05	0.0010	19.2	0.006	0.035	0.011	0.26	0.045	24.9	0.36	0.002	0.003	0.076	0.408	0.124	0.001	0.51	0.301	0.14
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #5, H/W Contact Zone (Worst Case Net NP)

		Cumulative Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	06-Nov-90	0.29	0.011	0.003	0.021	0.005	1.3	0.002	28	0.005	0.005	0.005	0.4	0.045	17	0.29	0.001	0.002	0.08	0.05	0.13	0.001	9.2	0.63	0.12
1	13-Nov-90	0.57	0.015	0.007	0.051	0.015	4.3	0.002	91	0.017	0.020	0.013	0.4	0.059	67	1.09	0.004	0.005	0.19	0.17	0.33	0.002	26.5	2.02	0.16
2	20-Nov-90	0.59	0.020	0.012	0.080	0.023	5.9	0.002	123	0.018	0.032	0.017	0.5	0.064	93	1.50	0.006	0.008	0.24	0.20	0.45	0.002	32.9	2.72	0.20
3	27-Nov-90	0.82	0.024	0.016	0.109	0.032	7.2	0.003	152	0.019	0.038	0.026	0.5	0.068	114	1.85	0.008	0.009	0.29	0.26	0.62	0.003	37.1	3.22	0.24
4	04-Dec-90	1.10	0.037	0.029	0.130	0.054	8.4	0.007	177	0.045	0.054	0.036	0.6	0.081	136	2.18	0.010	0.015	0.35	0.45	0.76	0.008	39.3	3.84	0.28
5	11-Dec-90	1.30	0.041	0.033	0.288	0.062	9.4	0.009	205	0.049	0.057	0.043	0.6	0.094	156	2.52	0.012	0.016	0.40	0.46	0.90	0.009	40.8	4.29	0.34
6	18-Dec-90	1.47	0.052	0.037	0.375	0.070	10.3	0.011	227	0.054	0.065	0.053	0.8	0.113	174	2.84	0.014	0.018	0.45	0.50	1.04	0.010	41.9	4.68	0.41
7	25-Dec-90	1.64	0.062	0.042	0.462	0.079	11.2	0.012	250	0.060	0.073	0.063	0.9	0.132	193	3.15	0.016	0.019	0.51	0.55	1.18	0.011	42.9	5.07	0.48
8	01-Jan-91	1.80	0.073	0.046	0.550	0.087	12.2	0.014	272	0.065	0.081	0.073	1.0	0.151	211	3.47	0.019	0.021	0.56	0.59	1.32	0.013	44.0	5.46	0.55
9	08-Jan-91	1.94	0.090	0.050	0.565	0.096	12.9	0.014	290	0.073	0.094	0.086	1.2	0.176	228	3.76	0.021	0.022	0.62	0.67	1.46	0.015	44.8	5.80	0.64
10	15-Jan-91	2.09	0.114	0.054	0.582	0.104	13.8	0.015	313	0.078	0.103	0.105	1.3	0.211	247	4.08	0.023	0.024	0.68	0.80	1.59	0.016	45.5	6.16	0.73
11	22-Jan-91	2.24	0.138	0.059	0.599	0.113	14.6	0.015	335	0.084	0.113	0.125	1.5	0.245	266	4.40	0.025	0.026	0.74	0.94	1.71	0.018	46.2	6.52	0.83
12	29-Jan-91	2.41	0.168	0.063	0.619	0.122	15.5	0.016	361	0.088	0.118	0.151	1.7	0.289	286	4.75	0.027	0.028	0.81	1.12	1.82	0.018	46.9	6.89	0.94
13	05-Feb-91	2.60	0.186	0.067	0.636	0.130	16.5	0.016	384	0.097	0.126	0.170	1.9	0.324	310	5.12	0.029	0.030	0.88	1.43	1.94	0.019	47.5	7.26	1.07
14	12-Feb-91	2.79	0.203	0.072	0.653	0.139	17.5	0.016	408	0.107	0.134	0.189	2.2	0.358	333	5.48	0.031	0.033	0.95	1.74	2.06	0.019	48.2	7.62	1.19
15	19-Feb-91	3.00	0.207	0.076	0.668	0.147	18.6	0.017	428	0.121	0.143	0.200	2.4	0.383	360	5.86	0.033	0.036	1.02	2.18	2.19	0.020	48.7	7.98	1.33
16	26-Feb-91	3.17	0.211	0.080	0.679	0.155	19.7	0.018	446	0.123	0.150	0.208	2.7	0.387	385	6.22	0.036	0.037	1.09	2.57	2.29	0.021	49.0	8.29	1.46
17	05-Mar-91	3.44	0.236	0.092	0.694	0.164	20.7	0.019	465	0.124	0.237	0.221	2.9	0.493	408	6.57	0.038	0.043	1.18	2.97	2.43	0.021	49.7	8.53	1.60
Maximum		3.44	0.236	0.092	0.694	0.164	20.7	0.019	465	0.124	0.237	0.221	2.9	0.493	408	6.57	0.038	0.043	1.18	2.97	2.43	0.021	49.7	8.53	1.60
Minimum		0.29	0.011	0.003	0.021	0.005	1.3	0.002	28	0.005	0.005	0.005	0.4	0.045	17	0.29	0.001	0.002	0.08	0.05	0.13	0.001	9.2	0.63	0.12
Mean		1.85	0.105	0.047	0.431	0.089	12.2	0.012	275	0.068	0.091	0.099	1.3	0.204	221	3.62	0.020	0.022	0.61	0.98	1.35	0.013	41.2	5.39	0.70
Median		1.87	0.081	0.048	0.557	0.092	12.5	0.014	281	0.069	0.088	0.079	1.1	0.163	220	3.61	0.020	0.022	0.59	0.63	1.39	0.014	44.4	5.63	0.59
Mean Last 5 Weeks		3.00	0.209	0.077	0.666	0.147	18.6	0.017	426	0.114	0.158	0.198	2.4	0.389	359	5.85	0.033	0.036	1.02	2.18	2.18	0.020	48.6	7.93	1.33
Final Flush		3.44	0.236	0.092	0.694	0.164	20.7	0.019	465	0.124	0.237	0.221	2.9	0.493	408	6.57	0.038	0.043	1.18	2.97	2.43	0.021	49.7	8.53	1.60
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #5, H/W Contact Zone (Worst Case Net NP)

		Remaining Metal:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0	06-Nov-90	100.00	99.89	100.00	100.00	99.91	NA	99.68	98.52	100.00	99.82	99.93	100.00	99.97	99.91	99.77	99.73	100.00	99.64	99.93	99.60	100.0	99.81	NA	99.97
1	13-Nov-90	100.00	99.85	99.99	99.99	99.76	NA	99.59	95.21	99.98	99.32	99.82	100.00	99.96	99.63	99.13	99.27	99.99	99.13	99.78	98.94	99.9	99.45	NA	99.95
2	20-Nov-90	100.00	99.80	99.99	99.99	99.61	NA	99.50	93.55	99.98	98.93	99.76	100.00	99.96	99.48	98.80	98.84	99.99	98.91	99.75	98.55	99.9	99.31	NA	99.94
3	27-Nov-90	100.00	99.76	99.99	99.98	99.47	NA	99.42	91.99	99.98	98.74	99.63	100.00	99.95	99.37	98.52	98.41	99.98	98.67	99.67	98.00	99.9	99.23	NA	99.93
4	04-Dec-90	100.00	99.63	99.98	99.98	99.11	NA	98.63	90.66	99.95	98.20	99.49	100.00	99.94	99.25	98.25	97.98	99.97	98.42	99.44	97.57	99.7	99.18	NA	99.92
5	11-Dec-90	100.00	99.59	99.98	99.95	98.97	NA	98.12	89.23	99.95	98.09	99.38	100.00	99.94	99.14	97.98	97.56	99.97	98.18	99.43	97.11	99.7	99.15	NA	99.90
6	18-Dec-90	100.00	99.48	99.97	99.93	98.83	NA	97.83	88.04	99.94	97.82	99.24	100.00	99.92	99.04	97.73	97.14	99.97	97.94	99.37	96.66	99.7	99.13	NA	99.88
7	25-Dec-90	100.00	99.38	99.97	99.92	98.69	NA	97.54	86.85	99.93	97.55	99.10	100.00	99.91	98.93	97.48	96.71	99.97	97.70	99.32	96.20	99.6	99.11	NA	99.86
8	01-Jan-91	100.00	99.27	99.97	99.90	98.54	NA	97.24	85.66	99.93	97.28	98.96	100.00	99.90	98.83	97.23	96.29	99.96	97.45	99.26	95.75	99.6	99.08	NA	99.84
9	08-Jan-91	100.00	99.10	99.97	99.90	98.40	NA	97.16	84.72	99.92	96.86	98.78	100.00	99.88	98.74	96.99	95.87	99.96	97.20	99.16	95.30	99.5	99.07	NA	99.81
10	15-Jan-91	100.00	98.86	99.96	99.90	98.26	NA	97.07	83.55	99.91	96.55	98.50	100.00	99.86	98.63	96.73	95.44	99.96	96.92	99.00	94.90	99.5	99.05	NA	99.79
11	22-Jan-91	100.00	98.62	99.96	99.89	98.12	NA	96.99	82.38	99.91	96.24	98.22	100.00	99.83	98.53	96.48	95.00	99.95	96.64	98.83	94.49	99.4	99.04	NA	99.76
12	29-Jan-91	100.00	98.32	99.96	99.89	97.97	NA	96.90	80.99	99.90	96.05	97.84	100.00	99.80	98.42	96.20	94.57	99.95	96.33	98.60	94.14	99.4	99.02	NA	99.72
13	05-Feb-91	100.00	98.14	99.95	99.89	97.83	NA	96.81	79.77	99.89	95.80	97.57	100.00	99.78	98.29	95.91	94.14	99.95	96.01	98.21	93.76	99.4	99.01	NA	99.69
14	12-Feb-91	100.00	97.97	99.95	99.89	97.69	NA	96.73	78.54	99.88	95.55	97.30	99.99	99.75	98.16	95.61	93.72	99.94	95.69	97.82	93.38	99.4	99.00	NA	99.65
15	19-Feb-91	100.00	97.93	99.95	99.88	97.55	NA	96.65	77.47	99.87	95.23	97.14	99.99	99.74	98.01	95.31	93.30	99.94	95.35	97.28	92.97	99.3	98.98	NA	99.61
16	26-Feb-91	100.00	97.89	99.94	99.88	97.41	NA	96.40	76.51	99.86	95.00	97.03	99.99	99.74	97.87	95.02	92.89	99.94	95.05	96.79	92.62	99.3	98.98	NA	99.57
17	05-Mar-91	100.00	97.64	99.94	99.88	97.27	NA	96.15	75.52	99.86	92.09	96.84	99.99	99.66	97.75	94.75	92.48	99.92	94.65	96.29	92.19	99.3	98.96	NA	99.53
Maximum		100.00	99.89	100.00	100.00	99.91	NA	99.68	98.52	100.00	99.82	99.93	100.00	99.97	99.91	99.77	99.73	100.00	99.64	99.93	99.60	100.0	99.81	NA	99.97
Minimum		100.00	97.64	99.94	99.88	97.27	NA	96.15	75.52	99.86	92.09	96.84	99.99	99.66	97.75	94.75	92.48	99.92	94.65	96.29	92.19	99.3	98.96	NA	99.53
Mean		100.00	98.95	99.97	99.92	98.52	NA	97.69	85.51	99.93	96.95	98.59	100.00	99.86	98.78	97.10	96.07	99.96	97.22	98.77	95.67	99.6	99.14	NA	99.80
Median		100.00	99.19	99.97	99.90	98.47	NA	97.20	85.19	99.92	97.07	98.87	100.00	99.89	98.79	97.11	96.08	99.96	97.33	99.21	95.52	99.5	99.07	NA	99.83
Mean Last 5 Weeks		100.00	97.91	99.95	99.88	97.55	NA	96.55	77.56	99.87	94.73	97.18	99.99	99.73	98.02	95.32	93.31	99.94	95.35	97.28	92.98	99.3	98.99	NA	99.61
Final Flush		100.00	97.64	99.94	99.88	97.27	NA	96.15	75.52	99.86	92.09	96.84	99.99	99.66	97.75	94.75	92.48	99.92	94.65	96.29	92.19	99.3	98.96	NA	99.53
75% Remaining (Wks)		79452	225	5299	10451	180	NA	128	19	3886	33	161	41704	817	184	86	60	4089	75	60	61	1197	2286.27	NA	637
50% Remaining (Wks)		158902	454	10594	20936	362	NA	258	43	7776	55	324	83402	1626	366	172	121	8173	147	109	124	2411	4652.51	NA	1268
25% Remaining (Wks)		238352	682	15888	31420	544	NA	388	68	11665	76	488	125100	2436	548	259	182	12256	219	158	187	3624	7018.75	NA	1899
0% Remaining (Wks)		317802	911	21183	41904	726	NA	518	93	15555	98	651	166797	3245	730	345	242	16340	291	207	250	4838	9384.99	NA	2530

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B6. Composite #6 (Contact Zone; Mean Condition Net NP)

Pre-Test ABA & ICP Metals Data Eskay Creek Composite #6 (Contact Zone) [Contact Zone (Mean Condition Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		8
% S (Total)		2.48
% SO4		0.13
% S (Sulphide)		2.21
TAP (tonne CaCO3/ktonne)		78
NP (tonne CaCO3/ktonne)		38.4
CO2 (%)		0.7
CaNP (t CaCO3/ktonne)		16
NNP (tonne CaCO3/ktonne)		-39
NP/AP		0.50
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	44500
Antimony	Sb	80
Arsenic	As	170
Barium	Ba	140
Bismuth	Bi	1
Boron	B	
Cadmium	Cd	33.5
Calcium	Ca	15400
Chromium	Cr	117
Cobalt	Co	6
Copper	Cu	362
Iron	Fe	24800
Lead	Pb	4620
Magnesium	Mg	41200
Manganese	Mn	895
Mercury	Hg	3
Molybdenum	Mo	16
Nickel	Ni	22
Phosphorus	P	230
Selenium	Se	0.6
Silicon	Si	32.5
Silver	Ag	92.8
Sodium	Na	100
Strontium	Sr	
Vanadium	V	33
Zinc	Zn	8190

Post-Test ABA & ICP Metals Data Eskay Creek Composite #6 (Contact Zone) [Contact Zone (Mean Condition Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		*Not Available*
TAP (tonne CaCO3/ktonne)		
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	
Antimony	Sb	
Arsenic	As	
Barium	Ba	
Beryllium	Be	
Bismuth	Bi	
Cadmium	Cd	
Calcium	Ca	
Chromium	Cr	
Cobalt	Co	*Not Available*
Copper	Cu	
Iron	Fe	
Lead	Pb	
Magnesium	Mg	
Manganese	Mn	
Mercury	Hg	
Molybdenum	Mo	
Nickel	Ni	
Phosphorus	P	
Selenium	Se	
Silicon	Si	
Silver	Ag	
Sodium	Na	
Strontium	Sr	
Vanadium	V	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown underlined, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Composite #6, H/W Contact Zone (Mean Condition Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Total Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)***	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	06-Nov-90	343	6.29	226	797	32.4	6	384	2.06	11.11	132	132	99.8	99.8
1	13-Nov-90	448	7.18	247	983	29.3	4.6	515	2.06	13.13	231	362	99.5	99.5
2	20-Nov-90	413	6.75	164	555	18.9	3.9	215	1.61	7.81	89	451	99.4	99.3
3	27-Nov-90	419	6.86	246	525	19.3	3.8	224	1.59	8.09	94	545	99.3	99.2
4	04-Dec-90	452	6.83	172	545	17	3.3	259	1.49	7.68	117	662	99.1	99.0
5	11-Dec-90	427	6.72	183	466	17.8	3.3	204	1.41	7.60	87	749	99.0	98.9
6	18-Dec-90	410	6.79	208	432	15.2	2.8	189	1.15	6.23	77	827	98.9	98.8
7	25-Dec-90	408	6.63	191	455	13.9	7.9	205	3.22	5.67	84	910	98.8	98.6
8	01-Jan-91	388	6.59	147	398	21.5	5.3	168	2.06	8.34	65	976	98.7	98.5
9	08-Jan-91	427	6.59	174	315	12.5	3.5	129	1.49	5.34	55	1031	98.6	98.4
10	15-Jan-91	445	6.77	133	312	13.1	2.7	129	1.20	5.83	57	1088	98.5	98.4
11	22-Jan-91	423	6.55	232	314	10.7	2.7	135	1.14	4.53	57	1145	98.5	98.3
12	29-Jan-91	426	6.56	193	310	11.1	3.1	111	1.32	4.73	47	1192	98.4	98.2
13	05-Feb-91	414	6.66	140	328	11.1	2.8	137	1.16	4.60	57	1249	98.3	98.1
14	12-Feb-91	411	6.64	169	339	11	2.6	140	1.07	4.52	58	1307	98.2	98.0
15	19-Feb-91	416	6.6	179	333	10.9	2.7	143	1.12	4.53	59	1366	98.2	97.9
16	26-Feb-91	416	6.57	188	298	10.8	2.4	122	1.00	4.49	51	1417	98.1	97.9
17	05-Mar-91	411	6.56	185	295	11.5	2.2	131	0.90	4.73	54	1471	98.0	97.8
Maximum		452	7.18	247	983	32.4	7.9	515	3.22	13.13	231	1471	99.8	99.8
Minimum		343	6.29	133	295	10.7	2.2	111	0.90	4.49	47	132	98.0	97.8
Mean		417	6.67	188	444	16.0	3.6	197	1.50	6.61	82	938	98.7	98.6
Median		416	6.64	184	368.5	13.5	3.2	156	1.36	5.75	62	1003	98.7	98.5
Mean Last 5 Weeks		414	6.61	172	319	11.1	2.5	135	1.05	4.57	56	1362	98.2	97.9
Final Flush												1471	98.0	97.8
75% Remaining (Wks)													325	289
50% Remaining (Wks)													659	586
25% Remaining (Wks)													993	884
0% Remaining (Wks)													1326	1181

** If measured alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #6, H/W Contact Zone (Mean Condition Net NP)

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:**				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO_2	NP	$CaCO_3$	NP	NP	Carbonate	NP	Feldsper	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)
0	06-Nov-90	0.081	13.5	0.57	1.10	0.66	137.2	159.4	99.58	148.3	99.61	151.3	99.61	90.8	99.76	272.3	99.29
1	13-Nov-90	0.055	18.7	0.46	1.03	0.52	240.3	266.6	98.89	253.5	98.95	246.9	98.96	124.7	99.44	478.6	98.04
2	20-Nov-90	0.084	16.4	0.68	1.39	0.74	92.5	108.1	98.61	100.3	98.69	128.7	98.63	68.4	99.26	183.4	97.57
3	27-Nov-90	0.083	15.8	0.75	1.31	0.80	97.8	113.9	98.31	105.9	98.42	128.3	98.29	77.9	99.06	193.9	97.06
4	04-Dec-90	0.063	15.5	0.50	0.98	0.52	121.9	137.3	97.95	129.6	98.08	119.5	97.98	63.4	98.89	242.4	96.43
5	11-Dec-90	0.084	13.3	0.65	1.12	0.65	90.7	105.9	97.68	98.3	97.82	101.7	97.72	59.4	98.74	180.1	95.96
6	18-Dec-90	0.077					80.7	93.2	97.44	87.0	97.60	80.7	97.51	47.2	98.61	160.3	95.54
7	25-Dec-90	0.065					87.1	98.5	97.18	92.8	97.36	80.7	97.30	47.2	98.49	171.0	95.10
8	01-Jan-91	0.123					67.9	84.6	96.96	76.2	97.16	80.7	97.09	47.2	98.37	133.7	94.75
9	08-Jan-91	0.093	11.3	0.59	1.06	0.62	57.4	68.1	96.78	62.7	96.99	60.8	96.93	35.6	98.28	113.3	94.46
10	15-Jan-91	0.097					59.8	71.5	96.60	65.6	96.82	69.7	96.75	42.6	98.17	118.4	94.16
11	22-Jan-91	0.076					59.5	68.5	96.42	64.0	96.66	69.7	96.57	42.6	98.05	117.8	93.84
12	29-Jan-91	0.096	16.1	0.97	1.55	0.98	49.3	58.7	96.26	54.0	96.52	76.6	96.37	48.2	97.93	97.2	93.59
13	05-Feb-91	0.078					59.1	68.3	96.09	63.7	96.35	72.7	96.18	44.5	97.81	117.0	93.28
14	12-Feb-91	0.075					59.9	69.0	95.91	64.5	96.18	72.7	95.99	44.5	97.70	118.8	92.97
15	19-Feb-91	0.073	15.8	0.64	1.16	0.64	62.0	71.0	95.72	66.5	96.01	72.0	95.80	39.8	97.59	122.8	92.65
16	26-Feb-91	0.085	14.9	0.72	1.27	0.72	52.9	61.9	95.56	57.4	95.86	67.4	95.63	38.2	97.49	104.7	92.38
17	05-Mar-91	0.084	13.4	0.69	1.13	0.71	56.1	65.5	95.39	60.8	95.70	63.6	95.46	39.7	97.39	111.3	92.09
Maximum		0.123	18.7	0.97	1.55	0.98	240.3	266.6	99.58	253.5	99.61	246.9	99.61	124.7	99.76	478.6	99.29
Minimum		0.055	11.3	0.46	0.98	0.52	49.3	58.7	95.39	54.0	95.70	60.8	95.46	35.6	97.39	97.2	92.09
Mean		0.082	15.0	0.66	1.19	0.69	85.1	98.3	97.07	91.7	97.27	96.9	97.15	55.7	98.39	168.7	94.95
Median		0.082	15.5	0.65	1.13	0.66	64.9	78.0	96.87	71.4	97.07	78.6	97.01	47.2	98.32	128.3	94.60
Mean Last 5 Weeks		0.079	14.7	0.68	1.19	0.69	58.0	67.1	95.73	62.6	96.02	69.7	95.81	41.3	97.60	114.9	92.68
Final Flush									95.39		95.70		95.46		97.39		92.09
75% Remaining (Wks)									135		145		131		226		75
50% Remaining (Wks)									278		299		269		458		159
25% Remaining (Wks)									421		452		406		691		242
0% Remaining (Wks)									564		605		544		923		326

*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used to calculate Molar Ratio NP Consumption values.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #6, H/W Contact Zone (Mean Condition Net NP)

		Dissolved Metals*:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(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)
0	06-Nov-90	0.56	*0.01*	0.03	0.108	*0.02*	3.65	0.013	92.1	*0.0025*	0.025	0.007	0.866	0.47	50.5	1.498	*0.005*	0.004	0.273	0.23	0.12	*0.0015*	16	1.203	1.177
1	13-Nov-90	0.31	*0.01*	*0.01*	0.075	*0.02*	4.26	*0.001*	99.7	*0.0025*	0.015	0.01	0.111	0.12	72.7	1.062	*0.005*	0.007	0.021	0.48	0.17	*0.0015*	13.5	1.516	0.107
2	20-Nov-90	0.01	*0.01*	*0.01*	0.069	*0.02*	2.49	*0.001*	60.8	0.009	0.034	0.011	0.122	0.11	38.4	0.615	*0.005*	*0.001*	0.006	0.27	0.14	*0.0015*	6.4	0.902	0.108
3	27-Nov-90	0.4	*0.01*	*0.01*	0.067	*0.02*	2.23	*0.001*	69.7	*0.0025*	0.013	0.015	0.058	0.28	31.7	0.677	*0.005*	0.008	0.027	0.12	0.29	*0.0015*	5.5	0.744	0.194
4	04-Dec-90	0.43	*0.01*	*0.01*	0.037	*0.02*	1.88	*0.001*	54.3	*0.0025*	0.006	0.007	0.035	0.04	30.9	0.589	*0.005*	*0.001*	0.012	0.34	0.12	*0.0015*	2.2	0.855	0.122
5	11-Dec-90	0.29	*0.01*	*0.01*	0.038	*0.02*	1.55	*0.001*	55.3	*0.0025*	0.005	0.012	0.106	0.16	24	0.517	*0.005*	*0.001*	0.006	0.02	0.25	0.004	0.5	0.541	0.15
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.2	*0.01*	*0.01*	0.036	*0.02*	0.94	0.006	31.9	0.019	0.01	0.028	0.289	0.14	15	0.431	*0.005*	0.009	0.022	0.24	0.26	*0.0015*	1.7	0.324	0.188
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.03	*0.01*	*0.01*	0.037	*0.02*	1	*0.001*	44.9	*0.0025*	*0*	0.014	0.23	0.32	16.2	0.5	*0.005*	*0.0015*	0.011	0.24	0.16	*0.0015*	0.5	0.343	0.241
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.21	*0.01*	*0.01*	0.034	*0.02*	1.14	0.008	38.1	0.007	0.015	0.038	0.24	0.3	18.7	0.539	*0.005*	*0.0015*	0.021	0.63	0.15	0.004	0.2	0.33	0.23
16	26-Feb-91	0.12	*0.01*	*0.01*	0.028	*0.02*	1.1	*0.001*	36.6	*0.0025*	*0*	0.02	0.22	0.23	16.9	0.519	*0.005*	*0.0015*	*0*	0.44	0.13	*0.0015*	0.2	0.293	0.249
17	05-Mar-91	37	0.03	0.06	0.048	*0.02*	1.1	*0.001*	37.6	0.014	0.019	0.029	0.24	0.42	14.6	0.493	*0.005*	0.006	0.015	0.48	0.22	*0.0015*	1.3	0.239	0.253
Maximum		37.00	0.03	0.06	0.108	0.02	4.26	0.013	100	0.0190	0.034	0.038	0.87	0.47	72.7	1.498	0.005	0.009	0.27	0.63	0.29	0.004	16	1.516	1.18
Minimum		0.01	0.01	0.01	0.028	0.02	0.94	0.001	32	0.0025	0.003	0.007	0.04	0.04	14.6	0.431	0.005	0.0010	0.00	0.02	0.12	0.0015	0.2	0.239	0.11
Mean		3.6	0.01	0.02	0.052	0.02	1.94	0.003	56	0.0060	0.013	0.017	0.23	0.24	30.0	0.676	0.005	0.0038	0.04	0.32	0.18	0.0020	4.4	0.663	0.27
Median		0.3	0.01	0.01	0.038	0.02	1.55	0.001	54	0.0025	0.013	0.014	0.22	0.23	24.0	0.539	0.005	0.0015	0.02	0.27	0.16	0.0015	1.7	0.541	0.19
Mean Last 5 Weeks		12.4	0.02	0.03	0.037	0.02	1.11	0.003	37	0.0078	0.012	0.029	0.23	0.32	16.7	0.517	0.005	0.0030	0.01	0.52	0.17	0.0023	0.6	0.287	0.24
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #6, H/W Contact Zone (Mean Condition Net NP)

		Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	06-Nov-90	0.192	0.003	0.010	0.037	0.007	1.25	0.0045	31.6	0.001	0.009	0.002	0.30	0.161	17.3	0.51	0.002	0.0014	0.094	0.079	0.041	0.001	5.49	0.413	0.40
1	13-Nov-90	0.139	0.004	0.004	0.034	0.009	1.91	0.0004	44.7	0.001	0.007	0.004	0.05	0.054	32.6	0.48	0.002	0.0031	0.009	0.215	0.076	0.001	6.05	0.679	0.05
2	20-Nov-90	0.004	0.004	0.004	0.028	0.008	1.03	0.0004	25.1	0.004	0.014	0.005	0.05	0.045	15.9	0.25	0.002	0.0004	0.002	0.112	0.058	0.001	2.64	0.373	0.04
3	27-Nov-90	0.168	0.004	0.004	0.028	0.008	0.93	0.0004	29.2	0.001	0.005	0.006	0.02	0.117	13.3	0.28	0.002	0.0034	0.011	0.050	0.122	0.001	2.30	0.312	0.08
4	04-Dec-90	0.194	0.005	0.005	0.017	0.009	0.85	0.0005	24.5	0.001	0.003	0.003	0.02	0.018	14.0	0.27	0.002	0.0005	0.005	0.154	0.054	0.001	0.99	0.386	0.06
5	11-Dec-90	0.124	0.004	0.004	0.016	0.009	0.66	0.0004	23.6	0.001	0.002	0.005	0.05	0.068	10.2	0.22	0.002	0.0004	0.003	0.009	0.107	0.002	0.21	0.231	0.06
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.085	0.004	0.004	0.015	0.009	0.40	0.0026	13.6	0.008	0.004	0.012	0.12	0.060	6.4	0.18	0.002	0.0038	0.009	0.102	0.111	0.001	0.73	0.138	0.08
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.013	0.004	0.004	0.016	0.009	0.43	0.0004	19.1	0.001	0.001	0.006	0.10	0.136	6.9	0.21	0.002	0.0006	0.005	0.102	0.068	0.001	0.21	0.146	0.10
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.087	0.004	0.004	0.014	0.008	0.47	0.0033	15.8	0.003	0.006	0.016	0.10	0.125	7.8	0.22	0.002	0.0006	0.009	0.262	0.062	0.002	0.08	0.137	0.10
16	26-Feb-91	0.050	0.004	0.004	0.012	0.008	0.46	0.0004	15.2	0.001	0.001	0.008	0.09	0.096	7.0	0.22	0.002	0.0006	0.001	0.183	0.054	0.001	0.08	0.122	0.10
17	05-Mar-91	15.207	0.012	0.025	0.020	0.008	0.45	0.0004	15.5	0.006	0.008	0.012	0.10	0.173	6.0	0.20	0.002	0.0025	0.006	0.197	0.090	0.001	0.53	0.098	0.10
Maximum		15.207	0.012	0.025	0.037	0.009	1.91	0.0045	44.7	0.008	0.014	0.016	0.30	0.173	32.6	0.51	0.002	0.0038	0.094	0.262	0.122	0.002	6.05	0.679	0.40
Minimum		0.004	0.003	0.004	0.012	0.007	0.40	0.0004	13.6	0.001	0.001	0.002	0.02	0.018	6.0	0.18	0.002	0.0004	0.001	0.009	0.041	0.001	0.08	0.098	0.04
Mean		1.478	0.005	0.007	0.022	0.008	0.80	0.0013	23.5	0.003	0.005	0.007	0.09	0.096	12.5	0.28	0.002	0.0016	0.014	0.133	0.077	0.001	1.76	0.276	0.11
Median		0.124	0.004	0.004	0.017	0.008	0.66	0.0004	23.6	0.001	0.005	0.006	0.09	0.096	10.2	0.22	0.002	0.0006	0.006	0.112	0.068	0.001	0.73	0.231	0.08
Mean Last 5 Weeks		5.115	0.007	0.011	0.015	0.008	0.46	0.0014	15.5	0.003	0.005	0.012	0.10	0.131	6.9	0.21	0.002	0.0012	0.005	0.214	0.069	0.001	0.23	0.119	0.10
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #6, H/W Contact Zone (Mean Condition Net NP)

		Cumulative Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	06-Nov-90	0.19	0.003	0.010	0.037	0.007	1.3	0.004	32	0.001	0.009	0.002	0.3	0.161	17	0.51	0.002	0.001	0.094	0.08	0.04	0.001	5.5	0.41	0.40
1	13-Nov-90	0.33	0.008	0.015	0.071	0.016	3.2	0.005	76	0.002	0.015	0.007	0.3	0.215	50	0.99	0.004	0.005	0.103	0.29	0.12	0.001	11.5	1.09	0.45
2	20-Nov-90	0.34	0.012	0.019	0.099	0.024	4.2	0.005	101	0.006	0.029	0.011	0.4	0.260	66	1.24	0.006	0.005	0.106	0.41	0.18	0.002	14.2	1.46	0.50
3	27-Nov-90	0.50	0.016	0.023	0.127	0.032	5.1	0.006	131	0.007	0.035	0.018	0.4	0.378	79	1.53	0.008	0.008	0.117	0.46	0.30	0.002	16.5	1.78	0.58
4	04-Dec-90	0.70	0.021	0.028	0.144	0.042	6.0	0.006	155	0.008	0.037	0.021	0.4	0.396	93	1.79	0.010	0.009	0.122	0.61	0.35	0.003	17.5	2.16	0.63
5	11-Dec-90	0.82	0.025	0.032	0.160	0.050	6.6	0.007	179	0.009	0.040	0.026	0.5	0.464	103	2.01	0.013	0.009	0.125	0.62	0.46	0.005	17.7	2.39	0.70
6	18-Dec-90	0.93	0.029	0.036	0.176	0.059	7.2	0.008	197	0.014	0.043	0.035	0.6	0.528	112	2.22	0.015	0.011	0.131	0.67	0.57	0.006	18.2	2.58	0.77
7	25-Dec-90	1.03	0.034	0.040	0.192	0.067	7.7	0.010	216	0.018	0.046	0.043	0.7	0.592	120	2.42	0.017	0.013	0.137	0.73	0.68	0.007	18.6	2.76	0.84
8	01-Jan-91	1.13	0.038	0.045	0.208	0.076	8.2	0.011	235	0.023	0.049	0.052	0.7	0.656	128	2.62	0.019	0.016	0.143	0.78	0.78	0.008	19.1	2.95	0.91
9	08-Jan-91	1.22	0.042	0.049	0.223	0.084	8.6	0.014	248	0.031	0.054	0.064	0.9	0.716	135	2.81	0.021	0.019	0.152	0.89	0.90	0.009	19.8	3.09	0.99
10	15-Jan-91	1.27	0.046	0.053	0.239	0.093	9.0	0.015	265	0.035	0.056	0.073	1.0	0.814	141	3.00	0.023	0.022	0.159	0.99	0.98	0.010	20.3	3.23	1.08
11	22-Jan-91	1.32	0.051	0.057	0.254	0.101	9.5	0.017	281	0.040	0.059	0.081	1.1	0.912	148	3.20	0.025	0.024	0.166	1.09	1.07	0.010	20.8	3.37	1.18
12	29-Jan-91	1.33	0.055	0.062	0.270	0.110	9.9	0.017	300	0.041	0.060	0.087	1.2	1.048	155	3.42	0.027	0.025	0.171	1.19	1.14	0.011	21.0	3.52	1.28
13	05-Feb-91	1.38	0.059	0.066	0.285	0.118	10.3	0.019	318	0.043	0.064	0.098	1.3	1.179	162	3.63	0.030	0.025	0.178	1.38	1.21	0.012	21.1	3.66	1.38
14	12-Feb-91	1.43	0.063	0.070	0.300	0.127	10.8	0.021	335	0.045	0.067	0.109	1.4	1.310	170	3.85	0.032	0.026	0.184	1.56	1.27	0.013	21.3	3.80	1.48
15	19-Feb-91	1.52	0.067	0.074	0.314	0.135	11.3	0.024	351	0.048	0.073	0.125	1.5	1.434	177	4.08	0.034	0.026	0.193	1.82	1.34	0.015	21.4	3.94	1.57
16	26-Feb-91	1.57	0.072	0.078	0.326	0.143	11.7	0.025	366	0.049	0.074	0.133	1.6	1.530	184	4.29	0.036	0.027	0.194	2.00	1.39	0.015	21.4	4.06	1.68
17	05-Mar-91	16.78	0.084	0.103	0.345	0.151	12.2	0.025	382	0.055	0.082	0.145	1.7	1.703	190	4.50	0.038	0.029	0.200	2.20	1.48	0.016	22.0	4.16	1.78
Maximum		16.78	0.084	0.103	0.345	0.151	12.2	0.025	382	0.055	0.082	0.145	1.7	1.703	190	4.50	0.038	0.029	0.200	2.20	1.48	0.016	22.0	4.16	1.78
Minimum		0.19	0.003	0.010	0.037	0.007	1.3	0.004	32	0.001	0.009	0.002	0.3	0.161	17	0.51	0.002	0.001	0.094	0.08	0.04	0.001	5.5	0.41	0.40
Mean		1.88	0.040	0.048	0.209	0.080	7.9	0.013	231	0.026	0.050	0.063	0.9	0.794	124	2.67	0.020	0.017	0.149	0.99	0.79	0.008	18.2	2.80	1.01
Median		1.18	0.040	0.047	0.215	0.080	8.4	0.012	241	0.027	0.051	0.058	0.8	0.686	131	2.71	0.020	0.017	0.147	0.84	0.84	0.009	19.5	3.02	0.95
Mean Last 5 Weeks		4.53	0.069	0.078	0.314	0.135	11.3	0.023	350	0.048	0.072	0.122	1.5	1.431	177	4.07	0.034	0.027	0.190	1.79	1.34	0.014	21.4	3.92	1.58
Final Flush		16.78	0.084	0.103	0.345	0.151	12.2	0.025	382	0.055	0.082	0.145	1.7	1.703	190	4.50	0.038	0.029	0.200	2.20	1.48	0.016	22.0	4.16	1.78
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #6, H/W Contact Zone (Mean Condition Net NP)

		Remaining Metal:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0	06-Nov-90	100.00	100.00	99.99	99.97	99.31	NA	99.99	99.79	100.00	99.86	100.00	100.00	100.00	99.96	99.94	99.94	99.99	99.57	99.97	99.87	100.0	94.51	NA	100.00
1	13-Nov-90	100.00	99.99	99.99	99.95	98.42	NA	99.99	99.50	100.00	99.75	100.00	100.00	100.00	99.88	99.89	99.87	99.97	99.53	99.87	99.64	100.0	88.46	NA	99.99
2	20-Nov-90	100.00	99.98	99.99	99.93	97.59	NA	99.98	99.34	100.00	99.51	100.00	100.00	99.99	99.84	99.86	99.80	99.97	99.52	99.82	99.46	100.0	85.82	NA	99.99
3	27-Nov-90	100.00	99.98	99.99	99.91	96.75	NA	99.98	99.15	99.99	99.42	100.00	100.00	99.99	99.81	99.83	99.73	99.95	99.47	99.80	99.09	100.0	83.52	NA	99.99
4	04-Dec-90	100.00	99.97	99.98	99.90	95.85	NA	99.98	98.99	99.99	99.38	99.99	100.00	99.99	99.77	99.80	99.65	99.95	99.44	99.74	98.92	100.0	82.52	NA	99.99
5	11-Dec-90	100.00	99.97	99.98	99.89	95.00	NA	99.98	98.84	99.99	99.34	99.99	100.00	99.99	99.75	99.77	99.58	99.94	99.43	99.73	98.59	100.0	82.31	NA	99.99
6	18-Dec-90	100.00	99.96	99.98	99.87	94.14	NA	99.98	98.72	99.99	99.29	99.99	100.00	99.99	99.73	99.75	99.51	99.93	99.41	99.71	98.26	100.0	81.84	NA	99.99
7	25-Dec-90	100.00	99.96	99.98	99.86	93.29	NA	99.97	98.60	99.98	99.23	99.99	100.00	99.99	99.71	99.73	99.44	99.92	99.38	99.68	97.92	100.0	81.37	NA	99.99
8	01-Jan-91	100.00	99.95	99.97	99.85	92.43	NA	99.97	98.48	99.98	99.18	99.99	100.00	99.99	99.69	99.71	99.37	99.90	99.35	99.66	97.59	100.0	80.90	NA	99.99
9	08-Jan-91	100.00	99.95	99.97	99.84	91.58	NA	99.96	98.39	99.97	99.11	99.98	100.00	99.98	99.67	99.69	99.30	99.88	99.31	99.61	97.25	100.0	80.17	NA	99.99
10	15-Jan-91	100.00	99.94	99.97	99.83	90.73	NA	99.95	98.28	99.97	99.06	99.98	100.00	99.98	99.66	99.66	99.23	99.86	99.28	99.57	96.97	100.0	79.70	NA	99.99
11	22-Jan-91	100.00	99.94	99.97	99.82	89.87	NA	99.95	98.18	99.97	99.02	99.98	100.00	99.98	99.64	99.64	99.16	99.85	99.24	99.53	96.69	100.0	79.23	NA	99.99
12	29-Jan-91	100.00	99.93	99.96	99.81	89.02	NA	99.95	98.05	99.96	99.00	99.98	100.00	99.98	99.62	99.62	99.09	99.85	99.22	99.48	96.48	100.0	79.02	NA	99.98
13	05-Feb-91	100.00	99.93	99.96	99.80	88.18	NA	99.94	97.94	99.96	98.94	99.97	99.99	99.97	99.61	99.59	99.02	99.84	99.19	99.40	96.28	100.0	78.87	NA	99.98
14	12-Feb-91	100.00	99.92	99.96	99.79	87.34	NA	99.94	97.82	99.96	98.88	99.97	99.99	99.97	99.59	99.57	98.94	99.84	99.16	99.32	96.08	100.0	78.73	NA	99.98
15	19-Feb-91	100.00	99.92	99.96	99.78	86.51	NA	99.93	97.72	99.96	98.78	99.97	99.99	99.97	99.57	99.54	98.88	99.83	99.12	99.21	95.89	100.0	78.64	NA	99.98
16	26-Feb-91	100.00	99.91	99.95	99.77	85.67	NA	99.93	97.62	99.96	98.76	99.96	99.99	99.97	99.55	99.52	98.81	99.83	99.12	99.13	95.72	100.0	78.56	NA	99.98
17	05-Mar-91	99.96	99.90	99.94	99.75	84.85	NA	99.93	97.52	99.95	98.63	99.96	99.99	99.96	99.54	99.50	98.74	99.82	99.09	99.04	95.45	100.0	78.02	NA	99.98
Maximum		100.00	100.00	99.99	99.97	99.31	NA	99.99	99.79	100.00	99.86	100.00	100.00	100.00	99.96	99.94	99.94	99.99	99.57	99.97	99.87	100.0	94.51	NA	100.00
Minimum		99.96	99.90	99.94	99.75	84.85	NA	99.93	97.52	99.95	98.63	99.96	99.99	99.96	99.54	99.50	98.74	99.82	99.09	99.04	95.45	100.0	78.02	NA	99.98
Mean		100.00	99.95	99.97	99.85	92.03	NA	99.96	98.50	99.98	99.17	99.98	100.00	99.98	99.70	99.70	99.34	99.90	99.32	99.57	97.56	100.0	81.79	NA	99.99
Median		100.00	99.95	99.97	99.85	92.01	NA	99.96	98.43	99.98	99.14	99.98	100.00	99.99	99.68	99.70	99.33	99.89	99.33	99.64	97.42	100.0	80.54	NA	99.99
Mean Last 5 Weeks		99.99	99.91	99.95	99.78	86.51	NA	99.93	97.73	99.96	98.80	99.97	99.99	99.97	99.57	99.55	98.88	99.83	99.14	99.22	95.89	100.0	78.56	NA	99.98
Final Flush		99.96	99.90	99.94	99.75	84.85	NA	99.93	97.52	99.95	98.63	99.96	99.99	99.96	99.54	99.50	98.74	99.82	99.09	99.04	95.45	100.0	78.02	NA	99.98
75% Remaining (Wks)		2190	2911	3875	2302	30	NA	6047	242	9042	300	7538	64139	8820	1475	1041	362	3225	1015	276	114	23964	31	NA	20256
50% Remaining (Wks)		4365	5817	7741	4609	60	NA	12094	490	18083	598	15070	128277	17634	2960	2086	724	6456	2050	545	232	47927	138	NA	40512
25% Remaining (Wks)		6540	8723	11607	6915	90	NA	18141	738	27123	896	22601	192415	26449	4445	3130	1086	9687	3086	813	350	71890	245	NA	60768
0% Remaining (Wks)		8715	11628	15473	9222	120	NA	24188	986	36164	1195	30133	256552	35263	5930	4174	1448	12918	4121	1082	468	95853	352	NA	81023

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B7. Composite #7 (Rhyolite; Worst-Case Net NP)

Pre-Test ABA & ICP Metals Data Eskay Creek Composite #7 (Rhyolite) [Rhyolite (Worst Case Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		8.4
% S (Total)		5.76
% SO4		0.08
% S (Sulphide)		5.62
TAP (tonne CaCO3/ktonne)		180
NP (tonne CaCO3/ktonne)		36.3
CO2 (%)		1.1
CaNP (t CaCO3/ktonne)		25
NNP (tonne CaCO3/ktonne)		-144
NP/AP		0.20
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	78500
Antimony	Sb	10
Arsenic	As	80
Barium	Ba	90
Bismuth	Bi	4
Boron	B	
Cadmium	Cd	253
Calcium	Ca	4400
Chromium	Cr	37
Cobalt	Co	7
Copper	Cu	109
Iron	Fe	32200
Lead	Pb	34000
Magnesium	Mg	84900
Manganese	Mn	3120
Mercury	Hg	16
Molybdenum	Mo	15
Nickel	Ni	0.5
Phosphorus	P	320
Selenium	Se	2.2
Silicon	Si	18.5
Silver	Ag	17.2
Sodium	Na	300
Strontium	Sr	
Vanadium	V	28
Zinc	Zn	54000

Post-Test ABA & ICP Metals Data Eskay Creek Composite #7 (Rhyolite) [Rhyolite (Worst Case Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		*Not Available*
TAP (tonne CaCO3/ktonne)		
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	
Antimony	Sb	
Arsenic	As	
Barium	Ba	
Beryllium	Be	
Bismuth	Bi	
Cadmium	Cd	
Calcium	Ca	
Chromium	Cr	
Cobalt	Co	*Not Available*
Copper	Cu	
Iron	Fe	
Lead	Pb	
Magnesium	Mg	
Manganese	Mn	
Mercury	Hg	
Molybdenum	Mo	
Nickel	Ni	
Phosphorus	P	
Selenium	Se	
Silicon	Si	
Silver	Ag	
Sodium	Na	
Strontium	Sr	
Vanadium	V	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown underlined, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Composite #7, Rhyolite (Worst Case Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Total Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)***	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	06-Nov-90	335	7.2	220	335	22.7	3.8	104	1.27	7.60	35	35	100.0	100.0
1	13-Nov-90	442	7.1	230	377	29.7	3.9	135	1.72	13.13	60	95	99.9	99.9
2	20-Nov-90	454	6.69	159	316	16.5	3.4	107	1.54	7.49	49	143	99.9	99.9
3	27-Nov-90	426	6.42	272	471	13.5	4.2	207	1.79	5.75	88	231	99.9	99.9
4	04-Dec-90	470	6.76	187	522	12.9	3	243	1.41	6.06	114	345	99.8	99.8
5	11-Dec-90	428	6.52	173	521	12.7	3.3	244	1.41	5.44	104	450	99.7	99.7
6	18-Dec-90	425	6.7	211	454	10.4	2.7	209	1.15	4.42	89	539	99.7	99.7
7	25-Dec-90	403	6.66	175	460	4.1	4.3	200	1.73	1.65	81	619	99.6	99.6
8	01-Jan-91	376	6.77	146	422	14.4	4.6	187	1.73	5.41	70	690	99.6	99.6
9	08-Jan-91	427	6.66	172	254	11.9	3.1	104	1.32	5.08	44	734	99.6	99.6
10	15-Jan-91	436	6.78	165	270	12.5	2.7	106	1.18	5.45	46	780	99.5	99.5
11	22-Jan-91	410	5.89	245	264	4.3	4.4	110	1.80	1.76	45	825	99.5	99.5
12	29-Jan-91	447	6.62	179	217	9.7	2.4	75	1.07	4.34	34	859	99.5	99.5
13	05-Feb-91	417	6.65	262	259	10.8	2.1	102	0.88	4.50	43	901	99.5	99.5
14	12-Feb-91	409	6.69	166	255	9.3	2.4	103	0.98	3.80	42	944	99.5	99.4
15	19-Feb-91	410	6.67	178	232	9.3	2.4	93.6	0.98	3.81	38	982	99.4	99.4
16	26-Feb-91	409	6.5	174	200	7.7	2.6	41.7	1.06	3.15	17	999	99.4	99.4
17	05-Mar-91	414	6.59	178	244	6.2	2.2	99.9	0.91	2.57	41	1040	99.4	99.4
18	12-Mar-91	412	6.73	191	268	3.5	2.5	69.7	1.03	1.44	29	1069	99.4	99.4
19	19-Mar-91	414	6.74	128	229	9.9	3.2	92.7	1.32	4.10	38	1107	99.4	99.3
20	26-Mar-91	426	6.62	142	199	8.5	2.8	73	1.19	3.62	31	1139	99.3	99.3
21	02-Apr-91	446	6.74	197	171	7.3	2.6	61	1.16	3.26	27	1166	99.3	99.3
22	09-Apr-91	403	6.66	195	254	8.2	4.1	79	1.65	3.30	32	1198	99.3	99.3
23	16-Apr-91	440	6.72	124	195	5.7	4	67	1.76	2.51	29	1227	99.3	99.3
24	23-Apr-91	424	6.75	177	177	7.5	2.5	70	1.06	3.18	30	1257	99.3	99.3
25	30-Apr-91	392	6.83	208	270	9.1	2.5	99	0.98	3.57	39	1296	99.3	99.2
Maximum		470	7.20	272	522	29.7	4.6	244	1.80	13.13	114	1296	100.0	100.0
Minimum		335	5.89	124	171	3.5	2.1	42	0.88	1.44	17	35	99.3	99.2
Mean		419	6.68	187	301	10.7	3.1	119	1.31	4.48	50	795	99.5	99.5
Median		421	6.69	178	261.5	9.5	2.9	103	1.23	3.96	42	880	99.5	99.5
Mean Last 5 Weeks		421	6.74	180	213	7.6	3.1	75	1.32	3.16	31	1229	99.3	99.3
Final Flush												1296	99.3	99.2
75% Remaining (Wks)													1359	1325
50% Remaining (Wks)													2733	2666
25% Remaining (Wks)													4106	4006
0% Remaining (Wks)													5480	5347

** If measured alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #7, Rhyolite (Worst Case Net NP)

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:**				Carbonate	Remaining	Feldspar	Remaining			
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)
0	06-Nov-90	0.209	4.1	0.173	0.869	0.743	36.3	51.5	99.86	43.9	99.88	31.5	99.91	27.0	99.93	71.3	99.80
1	13-Nov-90	0.211	4.1	0.181	0.876	0.528	62.2	88.4	99.61	75.3	99.67	54.5	99.76	32.8	99.84	122.6	99.47
2	20-Nov-90	0.148	7.3	0.235	1.094	0.540	50.6	65.6	99.43	58.1	99.51	55.4	99.61	27.3	99.76	99.7	99.19
3	27-Nov-90	0.063	16.0	0.255	1.007	0.405	91.9	103.4	99.15	97.6	99.24	92.5	99.36	37.2	99.66	181.9	98.69
4	04-Dec-90	0.051	18.8	0.211	0.968	0.269	119.0	131.1	98.79	125.0	98.90	115.1	99.04	32.0	99.57	236.5	98.04
5	11-Dec-90	0.050	20.0	0.299	1.006	0.336	108.8	119.7	98.46	114.2	98.58	109.4	98.74	36.6	99.47	216.2	97.44
6	18-Dec-90	0.048					92.5	101.4	98.18	96.9	98.32	79.9	98.52	24.7	99.40	183.9	96.94
7	25-Dec-90	0.020					84.0	87.3	97.94	85.6	98.08	79.9	98.30	24.7	99.33	166.2	96.48
8	01-Jan-91	0.074					73.2	84.1	97.71	78.7	97.86	79.9	98.08	24.7	99.26	144.8	96.08
9	08-Jan-91	0.110	9.5	0.274	1.057	0.300	46.3	56.4	97.55	51.3	97.72	48.9	97.94	13.9	99.23	91.2	95.83
10	15-Jan-91	0.113					48.1	59.0	97.39	53.6	97.58	51.0	97.80	15.4	99.18	95.1	95.57
11	22-Jan-91	0.038					47.0	50.5	97.25	48.7	97.44	51.0	97.66	15.4	99.14	92.2	95.31
12	29-Jan-91	0.124	11.6	0.441	1.454	0.458	34.9	43.6	97.13	39.3	97.33	50.8	97.52	16.0	99.10	68.8	95.12
13	05-Feb-91	0.102					44.3	53.3	96.98	48.8	97.20	50.3	97.38	15.5	99.06	87.7	94.88
14	12-Feb-91	0.087					43.9	51.5	96.84	47.7	97.07	50.3	97.24	15.5	99.01	86.8	94.64
15	19-Feb-91	0.095	12.8	0.364	1.232	0.368	40.0	47.6	96.71	43.8	96.95	49.3	97.11	14.7	98.97	79.0	94.43
16	26-Feb-91	0.177	12.1	0.672	2.170	0.682	17.8	24.1	96.64	20.9	96.89	38.6	97.00	12.1	98.94	34.5	94.33
17	05-Mar-91	0.060	20.5	0.415	1.235	0.446	43.1	48.2	96.51	45.6	96.76	53.2	96.86	19.2	98.89	85.3	94.10
18	12-Mar-91	0.048					29.9	32.8	96.42	31.4	96.68	44.9	96.73	15.8	98.84	58.8	93.93
19	19-Mar-91	0.102					40.0	48.2	96.29	44.1	96.55	44.9	96.61	15.8	98.80	78.6	93.72
20	26-Mar-91	0.112	10.1	0.381	1.143	0.392	32.4	39.6	96.18	36.0	96.46	37.0	96.51	12.7	98.76	63.6	93.54
21	02-Apr-91	0.115					28.3	34.9	96.08	31.6	96.37	35.9	96.41	12.2	98.73	55.5	93.39
22	09-Apr-91	0.100					33.2	39.8	95.97	36.5	96.27	35.9	96.31	12.2	98.70	64.7	93.21
23	16-Apr-91	0.082	13.7	0.351	1.132	0.382	30.7	35.7	95.87	33.2	96.18	34.8	96.21	11.7	98.66	59.7	93.05
24	23-Apr-91	0.103					30.9	37.3	95.77	34.1	96.08	39.2	96.10	14.5	98.62	60.8	92.88
25	30-Apr-91	0.088	12.0	0.404	1.074	0.434	40.4	47.6	95.64	44.0	95.96	43.4	95.98	17.5	98.58	79.9	92.66
Maximum		0.211	20.5	0.672	2.170	0.743	119.0	131.1	99.86	125.0	99.88	115.1	99.91	37.2	99.93	236.5	99.80
Minimum		0.020	4.1	0.173	0.869	0.269	17.8	24.1	95.64	20.9	95.96	31.5	95.98	11.7	98.58	34.5	92.66
Mean		0.097	12.3	0.333	1.166	0.449	51.9	60.9	97.32	56.4	97.52	56.1	97.64	19.9	99.13	102.5	95.49
Median		0.097	12.0	0.325	1.084	0.419	43.5	51.0	97.06	46.7	97.27	50.3	97.45	15.8	99.08	86.0	95.00
Mean Last 5 Weeks		0.097	12.8	0.377	1.103	0.408	32.7	39.0	95.87	35.9	96.17	37.8	96.20	13.6	98.66	64.1	93.04
Final Flush									95.64		95.96		95.98		98.58		92.66
75% Remaining (Wks)									218		238		227		654		126
50% Remaining (Wks)									450		491		467		1319		268
25% Remaining (Wks)									683		744		707		1984		409
0% Remaining (Wks)									915		997		947		2650		551

*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used to calculate Molar Ratio NP Consumption values.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #7, Rhyolite (Worst Case Net NP)

		Dissolved Metals*:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(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)
0	06-Nov-90	0.16	*0.01*	*0.01*	0.066	*0.02*	1.47	*0.001*	7.5	*0.0025*	0.009	*0*	0.08	0.12	18.1	0.16	*0.005*	0.004	0.006	0.04	0.14	*0.0015*	28.4	0.617	0.029
1	13-Nov-90	0.09	*0.01*	0.23	0.061	*0.02*	1.48	*0.001*	10.2	0.01	0.013	0.006	0.179	0.13	23.5	0.141	0.07	0.006	0.01	0.48	0.08	*0.0015*	22.4	0.745	0.039
2	20-Nov-90	0.02	*0.01*	*0.01*	0.065	*0.02*	1.3	*0.001*	10.5	0.007	0.009	0.01	0.139	0.12	23	0.171	*0.005*	*0.0015*	*0*	0.13	0.1	*0.0015*	15.6	0.721	0.059
3	27-Nov-90	0.25	0.03	*0.01*	0.05	*0.02*	1.86	0.003	22	*0.0025*	0.021	0.008	0.04	0.45	39	0.424	*0.005*	0.008	*0*	0.14	0.22	*0.0015*	14.9	1.093	0.161
4	04-Dec-90	0.28	*0.01*	*0.01*	0.036	*0.02*	1.85	*0.001*	21.4	*0.0025*	*0*	0.005	0.038	0.27	45.9	0.581	*0.005*	*0.0015*	0.004	0.27	0.06	*0.0015*	6.7	1.621	0.113
5	11-Dec-90	0.21	*0.01*	*0.01*	0.031	*0.02*	1.79	*0.001*	30.4	*0.0025*	*0*	0.003	0.08	0.43	43.1	0.618	*0.005*	*0.0015*	0.009	0.03	0.2	*0.0015*	4.4	1.347	0.158
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.17	*0.01*	*0.01*	0.024	*0.02*	0.78	0.003	11.9	0.029	0.012	0.022	0.207	22	20.3	0.43	*0.005*	*0.0015*	0.012	0.16	0.24	0.004	1.3	0.621	0.132
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.02	*0.01*	*0.01*	0.032	*0.02*	0.66	*0.001*	13.8	*0.0025*	*0*	0.011	0.18	0.41	18.9	0.569	*0.005*	*0.0015*	*0*	0.14	0.13	*0.0015*	0.6	0.548	0.154
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.59	*0.01*	*0.01*	0.024	*0.002*	0.78	*0.001*	14.2	*0.0025*	*0*	0.018	0.21	0.32	20.2	0.653	*0.005*	*0.0015*	*0*	0.36	0.09	*0.0015*	0.2	0.651	0.114
16	26-Feb-91	0.06	*0.01*	*0.01*	0.029	*0.002*	0.66	*0.001*	11.7	*0.0025*	*0*	0.02	0.2	0.38	15.5	0.574	*0.005*	*0.0015*	*0*	0.11	0.08	*0.0015*	0.2	0.485	0.116
17	05-Mar-91	0.37	0.04	0.03	0.061	*0.002*	0.92	0.006	17.3	0.018	0.065	0.046	0.23	0.7	20.4	0.644	*0.005*	0.015	0.028	0.43	0.16	0.012	1.5	0.526	0.149
18	12-Mar-91																								
19	19-Mar-91																								
20	26-Mar-91	0.08	*0.01*	*0.01*	0.026	*0.02*	0.33	0.003	11.6	0.01	0.013	0.007	0.21	0.33	13.8	0.605	*0.005*	0.008	0.018	1.52	0.16	*0.0015*	0.4	0.385	1.88
21	02-Apr-91																								
22	09-Apr-91																								
23	16-Apr-91	0.01	*0.01*	*0.01*	0.021	*0.02*	0.66	*0.001*	9.8	0.025	*0*	0.009	0.15	0.29	13	0.575	*0.005*	0.002	0.013	0.3	0.09	*0.0015*	1	0.306	0.146
24	23-Apr-91																								
25	30-Apr-91	0.49	*0.01*	*0.01*	0.029	*0.02*	0.92	0.003	16.7	*0.0025*	0.006	0.024	1.38	0.48	16.4	0.841	*0.005*	0.002	0.007	1	0.09	*0.0015*	1.4	0.487	0.202
Maximum		0.59	0.04	0.23	0.066	0.02	1.86	0.006	30.4	0.0290	0.065	0.046	1.38	22	45.9	0.841	0.07	0.015	0.03	1.52	0.24	0.012	28.4	1.621	1.88
Minimum		0.01	0.01	0.01	0.021	0.002	0.33	0.001	7.5	0.0025	0.003	0.001	0.04	0.12	13.0	0.141	0.005	0.0015	0.00	0.03	0.06	0.0015	0.2	0.306	0.03
Mean		0.20	0.01	0.03	0.040	0.016	1.10	0.002	14.9	0.0085	0.012	0.014	0.24	1.89	23.7	0.499	0.010	0.0040	0.01	0.37	0.13	0.0024	7.1	0.725	0.25
Median		0.17	0.01	0.01	0.032	0.02	0.92	0.001	12.9	0.0025	0.008	0.010	0.18	0.36	20.3	0.575	0.005	0.0018	0.01	0.22	0.12	0.0015	1.5	0.619	0.14
Mean Last 5 Weeks		0.25	0.01	0.01	0.025	0.02	0.79	0.002	13.3	0.0138	0.004	0.017	0.77	0.39	14.7	0.708	0.005	0.0020	0.01	0.65	0.09	0.0015	1.2	0.397	0.17
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #7, Rhyolite (Worst Case Net NP)

		Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	06-Nov-90	0.054	0.003	0.003	0.022	0.007	0.492	0.0003	2.5	0.001	0.003	0.0003	0.027	0.04	6.1	0.054	0.002	0.001	0.002	0.013	0.047	0.001	9.51	0.207	0.010
1	13-Nov-90	0.040	0.004	0.102	0.027	0.009	0.654	0.0004	4.5	0.004	0.006	0.0027	0.079	0.06	10.4	0.062	0.031	0.003	0.004	0.212	0.035	0.001	9.90	0.329	0.017
2	20-Nov-90	0.009	0.005	0.005	0.030	0.009	0.590	0.0005	4.8	0.003	0.004	0.0045	0.063	0.05	10.4	0.078	0.002	0.001	0.001	0.059	0.045	0.001	7.08	0.327	0.027
3	27-Nov-90	0.107	0.013	0.004	0.021	0.009	0.792	0.0013	9.4	0.001	0.009	0.0034	0.017	0.19	16.6	0.181	0.002	0.003	0.001	0.060	0.094	0.001	6.35	0.466	0.069
4	04-Dec-90	0.132	0.005	0.005	0.016	0.009	0.870	0.0005	10.1	0.001	0.001	0.0024	0.018	0.13	21.6	0.273	0.002	0.001	0.002	0.127	0.028	0.001	3.15	0.762	0.053
5	11-Dec-90	0.090	0.004	0.004	0.013	0.009	0.766	0.0004	13.0	0.001	0.001	0.0013	0.034	0.18	18.4	0.265	0.002	0.001	0.004	0.013	0.086	0.001	1.88	0.577	0.068
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.073	0.004	0.004	0.010	0.009	0.333	0.0013	5.1	0.012	0.005	0.0094	0.088	9.39	8.7	0.184	0.002	0.001	0.005	0.068	0.102	0.002	0.56	0.265	0.056
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.009	0.004	0.004	0.014	0.009	0.295	0.0004	6.2	0.001	0.001	0.0049	0.080	0.18	8.4	0.254	0.002	0.001	0.001	0.063	0.058	0.001	0.27	0.245	0.069
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.242	0.004	0.004	0.010	0.001	0.320	0.0004	5.8	0.001	0.001	0.0074	0.086	0.13	8.3	0.268	0.002	0.001	0.001	0.148	0.037	0.001	0.08	0.267	0.047
16	26-Feb-91	0.025	0.004	0.004	0.012	0.001	0.270	0.0004	4.8	0.001	0.001	0.0082	0.082	0.16	6.3	0.235	0.002	0.001	0.001	0.045	0.033	0.001	0.08	0.198	0.047
17	05-Mar-91	0.153	0.017	0.012	0.025	0.001	0.381	0.0025	7.2	0.007	0.027	0.0190	0.095	0.29	8.4	0.267	0.002	0.006	0.012	0.178	0.066	0.005	0.62	0.218	0.062
18	12-Mar-91																								
19	19-Mar-91																								
20	26-Mar-91	0.034	0.004	0.004	0.011	0.009	0.141	0.0013	4.9	0.004	0.006	0.0030	0.089	0.14	5.9	0.258	0.002	0.003	0.008	0.648	0.068	0.001	0.17	0.164	0.801
21	02-Apr-91																								
22	09-Apr-91																								
23	16-Apr-91	0.004	0.004	0.004	0.009	0.009	0.290	0.0004	4.3	0.011	0.001	0.0040	0.066	0.13	5.7	0.253	0.002	0.001	0.006	0.132	0.040	0.001	0.44	0.135	0.064
24	23-Apr-91																								
25	30-Apr-91	0.192	0.004	0.004	0.011	0.008	0.361	0.0012	6.5	0.001	0.002	0.0094	0.541	0.19	6.4	0.330	0.002	0.001	0.003	0.392	0.035	0.001	0.55	0.191	0.079
Maximum		0.242	0.017	0.102	0.030	0.009	0.870	0.0025	13.0	0.012	0.027	0.0190	0.541	9.39	21.6	0.330	0.031	0.006	0.012	0.648	0.102	0.005	9.90	0.762	0.801
Minimum		0.004	0.003	0.003	0.009	0.001	0.141	0.0003	2.5	0.001	0.001	0.0003	0.017	0.04	5.7	0.054	0.002	0.001	0.001	0.013	0.028	0.001	0.08	0.135	0.010
Mean		0.083	0.006	0.012	0.017	0.007	0.468	0.0008	6.4	0.004	0.005	0.0057	0.098	0.80	10.1	0.211	0.004	0.002	0.004	0.154	0.055	0.001	2.90	0.311	0.105
Median		0.063	0.004	0.004	0.014	0.009	0.371	0.0005	5.5	0.001	0.003	0.0043	0.080	0.15	8.4	0.254	0.002	0.001	0.002	0.098	0.046	0.001	0.59	0.255	0.059
Mean Last 5 Weeks		0.098	0.004	0.004	0.010	0.008	0.326	0.0008	5.4	0.006	0.002	0.0067	0.303	0.16	6.1	0.291	0.002	0.001	0.004	0.262	0.037	0.001	0.49	0.163	0.072
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #7, Rhyolite (Worst Case Net NP)

		Cumulative Metal Leach Rates:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	06-Nov-90	0.05	0.00	0.00	0.02	0.01	0.49	0.0003	2.51	0.00	0.00	0.0003	0.03	0.04	6.06	0.05	0.00	0.00	0.00	0.01	0.05	0.00	9.51	0.21	0.01
1	13-Nov-90	0.09	0.01	0.11	0.05	0.02	1.15	0.0008	7.02	0.01	0.01	0.0030	0.11	0.10	16.45	0.12	0.03	0.00	0.01	0.23	0.08	0.00	19.41	0.54	0.03
2	20-Nov-90	0.10	0.01	0.11	0.08	0.02	1.74	0.0012	11.79	0.01	0.01	0.0075	0.17	0.15	26.89	0.19	0.03	0.00	0.01	0.28	0.13	0.00	26.50	0.86	0.05
3	27-Nov-90	0.21	0.03	0.11	0.10	0.03	2.53	0.0025	21.16	0.01	0.02	0.0109	0.19	0.34	43.51	0.37	0.04	0.01	0.01	0.34	0.22	0.00	32.84	1.33	0.12
4	04-Dec-90	0.34	0.03	0.12	0.12	0.04	3.40	0.0030	31.22	0.01	0.02	0.0133	0.20	0.47	65.08	0.65	0.04	0.01	0.01	0.47	0.25	0.00	35.99	2.09	0.18
5	11-Dec-90	0.43	0.03	0.12	0.13	0.05	4.16	0.0034	44.23	0.01	0.02	0.0146	0.24	0.65	83.53	0.91	0.04	0.01	0.01	0.48	0.34	0.00	37.88	2.67	0.24
6	18-Dec-90	0.51	0.04	0.13	0.14	0.06	4.71	0.0043	53.28	0.02	0.03	0.0199	0.30	5.44	97.08	1.14	0.04	0.01	0.02	0.52	0.43	0.01	39.10	3.09	0.31
7	25-Dec-90	0.59	0.04	0.13	0.15	0.07	5.26	0.0051	62.32	0.03	0.03	0.0252	0.36	10.23	110.64	1.36	0.05	0.01	0.02	0.57	0.52	0.01	40.32	3.51	0.37
8	01-Jan-91	0.67	0.05	0.14	0.16	0.08	5.81	0.0060	71.37	0.03	0.03	0.0306	0.42	15.02	124.20	1.58	0.05	0.01	0.03	0.61	0.62	0.01	41.53	3.93	0.43
9	08-Jan-91	0.75	0.05	0.14	0.18	0.09	6.15	0.0073	76.45	0.04	0.04	0.0400	0.51	24.42	132.87	1.77	0.05	0.01	0.03	0.67	0.72	0.01	42.09	4.20	0.49
10	15-Jan-91	0.79	0.06	0.14	0.19	0.09	6.46	0.0081	82.07	0.05	0.04	0.0471	0.59	29.20	141.42	1.99	0.05	0.01	0.04	0.74	0.80	0.01	42.50	4.45	0.55
11	22-Jan-91	0.83	0.06	0.15	0.20	0.10	6.77	0.0090	87.70	0.06	0.04	0.0543	0.68	33.99	149.98	2.21	0.05	0.01	0.04	0.80	0.88	0.01	42.91	4.71	0.61
12	29-Jan-91	0.84	0.06	0.15	0.21	0.11	7.07	0.0094	93.87	0.06	0.05	0.0592	0.76	34.18	158.43	2.46	0.06	0.01	0.04	0.87	0.94	0.01	43.18	4.95	0.68
13	05-Feb-91	0.84	0.07	0.16	0.22	0.12	7.22	0.0097	96.95	0.06	0.05	0.0617	0.80	34.27	162.66	2.59	0.06	0.01	0.04	0.90	0.97	0.01	43.31	5.07	0.71
14	12-Feb-91	0.85	0.07	0.16	0.23	0.12	7.36	0.0099	100.04	0.06	0.05	0.0641	0.84	34.36	166.88	2.71	0.06	0.01	0.04	0.93	1.00	0.01	43.45	5.20	0.75
15	19-Feb-91	1.09	0.07	0.16	0.24	0.12	7.68	0.0103	105.86	0.06	0.05	0.0715	0.93	34.49	175.16	2.98	0.06	0.02	0.04	1.08	1.03	0.01	43.53	5.46	0.80
16	26-Feb-91	1.11	0.08	0.17	0.25	0.12	7.95	0.0107	110.64	0.06	0.05	0.0797	1.01	34.65	181.50	3.22	0.06	0.02	0.04	1.12	1.07	0.01	43.61	5.66	0.84
17	05-Mar-91	1.27	0.09	0.18	0.28	0.12	8.34	0.0132	117.81	0.07	0.08	0.0987	1.10	34.94	189.95	3.48	0.07	0.02	0.05	1.30	1.13	0.02	44.23	5.88	0.90
18	12-Mar-91	1.34	0.10	0.18	0.29	0.12	8.53	0.0144	121.39	0.07	0.09	0.1083	1.15	35.08	194.17	3.62	0.07	0.03	0.06	1.39	1.17	0.02	44.54	5.99	0.93
19	19-Mar-91	1.42	0.11	0.19	0.30	0.12	8.72	0.0157	124.97	0.08	0.10	0.1178	1.20	35.23	198.39	3.75	0.07	0.03	0.07	1.48	1.20	0.02	44.85	6.10	0.97
20	26-Mar-91	1.45	0.11	0.19	0.31	0.13	8.86	0.0169	129.91	0.08	0.11	0.1208	1.29	35.37	204.27	4.01	0.07	0.03	0.07	2.13	1.27	0.02	45.03	6.26	1.77
21	02-Apr-91	1.47	0.12	0.20	0.32	0.14	8.93	0.0176	132.38	0.08	0.11	0.1222	1.33	35.44	207.21	4.14	0.07	0.03	0.08	2.45	1.30	0.02	45.11	6.34	2.17
22	09-Apr-91	1.49	0.12	0.20	0.32	0.14	9.00	0.0182	134.85	0.09	0.11	0.1237	1.38	35.51	210.15	4.27	0.07	0.04	0.08	2.77	1.34	0.03	45.20	6.42	2.57
23	16-Apr-91	1.49	0.12	0.20	0.33	0.15	9.29	0.0187	139.16	0.10	0.11	0.1277	1.44	35.63	215.87	4.52	0.07	0.04	0.09	2.91	1.37	0.03	45.64	6.56	2.63
24	23-Apr-91	1.59	0.13	0.21	0.34	0.16	9.61	0.0195	144.59	0.10	0.12	0.1344	1.75	35.79	221.94	4.81	0.08	0.04	0.09	3.17	1.41	0.03	46.13	6.72	2.70
25	30-Apr-91	1.78	0.13	0.21	0.35	0.17	9.97	0.0206	151.14	0.10	0.12	0.1438	2.29	35.98	228.37	5.14	0.08	0.04	0.09	3.56	1.45	0.03	46.68	6.91	2.78
Maximum		1.78	0.131	0.212	0.354	0.166	10.0	0.0206	151	0.103	0.119	0.1438	2.29	35.98	228	5.14	0.078	0.038	0.094	3.56	1.45	0.027	46.7	6.91	2.78
Minimum		0.05	0.003	0.003	0.022	0.007	0.5	0.0003	3	0.001	0.003	0.0003	0.03	0.04	6	0.05	0.002	0.001	0.002	0.01	0.05	0.001	9.5	0.21	0.01
Mean		0.90	0.069	0.152	0.212	0.096	6.4	0.0098	87	0.052	0.058	0.0654	0.81	23.50	143	2.46	0.054	0.018	0.043	1.22	0.83	0.013	39.8	4.43	0.95
Median		0.84	0.065	0.154	0.218	0.114	7.1	0.0095	95	0.059	0.046	0.0604	0.78	34.22	161	2.52	0.057	0.014	0.040	0.88	0.95	0.012	43.2	5.01	0.70
Mean Last 5 Weeks		1.56	0.123	0.204	0.333	0.150	9.4	0.0189	140	0.094	0.115	0.1304	1.64	35.67	217	4.57	0.074	0.036	0.086	2.97	1.37	0.026	45.8	6.59	2.57
Final Flush		1.78	0.131	0.212	0.354	0.166	10.0	0.0206	151	0.103	0.119	0.1438	2.29	35.98	228	5.14	0.078	0.038	0.094	3.56	1.45	0.027	46.7	6.91	2.78
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #7, Rhyolite (Worst Case Net NP)

		Remaining Metal:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0	06-Nov-90	100.00	99.97	100.00	99.98	99.83	NA	100.00	99.94	100.00	99.96	100.00	100.00	100.00	99.99	100.00	99.99	99.99	99.60	100.00	99.75	100.0	96.83	NA	100.00
1	13-Nov-90	100.00	99.92	99.87	99.95	99.61	NA	100.00	99.84	99.99	99.87	100.00	100.00	100.00	99.98	100.00	99.80	99.97	98.71	99.93	99.56	100.0	93.53	NA	100.00
2	20-Nov-90	100.00	99.88	99.86	99.91	99.38	NA	100.00	99.73	99.98	99.82	99.99	100.00	100.00	99.97	99.99	99.78	99.97	98.58	99.91	99.31	100.0	91.17	NA	100.00
3	27-Nov-90	100.00	99.75	99.86	99.89	99.17	NA	100.00	99.52	99.97	99.69	99.99	100.00	100.00	99.95	99.99	99.77	99.95	98.36	99.89	98.80	100.0	89.05	NA	100.00
4	04-Dec-90	100.00	99.70	99.85	99.87	98.94	NA	100.00	99.29	99.97	99.67	99.99	100.00	100.00	99.92	99.98	99.75	99.94	97.99	99.85	98.65	100.0	88.00	NA	100.00
5	11-Dec-90	100.00	99.66	99.85	99.86	98.72	NA	100.00	98.99	99.97	99.66	99.99	100.00	100.00	99.90	99.97	99.74	99.94	97.22	99.85	98.19	100.0	87.37	NA	100.00
6	18-Dec-90	100.00	99.62	99.84	99.84	98.51	NA	100.00	98.79	99.95	99.61	99.98	100.00	99.98	99.89	99.96	99.73	99.93	96.32	99.84	97.68	100.0	86.97	NA	100.00
7	25-Dec-90	100.00	99.57	99.84	99.83	98.30	NA	100.00	98.58	99.93	99.57	99.98	100.00	99.97	99.87	99.96	99.71	99.93	95.42	99.82	97.17	100.0	86.56	NA	100.00
8	01-Jan-91	100.00	99.53	99.83	99.82	98.08	NA	100.00	98.38	99.91	99.52	99.97	100.00	99.96	99.85	99.95	99.70	99.92	94.53	99.81	96.66	100.0	86.16	NA	100.00
9	08-Jan-91	100.00	99.49	99.83	99.81	97.87	NA	100.00	98.26	99.88	99.45	99.96	100.00	99.93	99.84	99.94	99.69	99.92	93.50	99.79	96.11	99.9	85.97	NA	100.00
10	15-Jan-91	100.00	99.44	99.82	99.79	97.65	NA	100.00	98.13	99.86	99.41	99.96	100.00	99.91	99.83	99.94	99.67	99.92	92.88	99.77	95.68	99.9	85.83	NA	100.00
11	22-Jan-91	100.00	99.40	99.81	99.78	97.43	NA	100.00	98.01	99.84	99.36	99.95	100.00	99.90	99.82	99.93	99.66	99.91	92.25	99.75	95.24	99.9	85.70	NA	100.00
12	29-Jan-91	100.00	99.36	99.81	99.76	97.21	NA	100.00	97.87	99.84	99.35	99.95	100.00	99.90	99.81	99.92	99.65	99.91	92.03	99.73	94.93	99.9	85.61	NA	100.00
13	05-Feb-91	100.00	99.33	99.81	99.75	97.10	NA	100.00	97.80	99.84	99.34	99.94	100.00	99.90	99.81	99.92	99.64	99.90	91.92	99.72	94.77	99.9	85.56	NA	100.00
14	12-Feb-91	100.00	99.31	99.80	99.75	96.98	NA	100.00	97.73	99.84	99.33	99.94	100.00	99.90	99.80	99.91	99.63	99.90	91.81	99.71	94.61	99.9	85.52	NA	100.00
15	19-Feb-91	100.00	99.27	99.80	99.74	96.96	NA	100.00	97.59	99.83	99.31	99.93	100.00	99.90	99.79	99.90	99.62	99.90	91.60	99.66	94.41	99.9	85.49	NA	100.00
16	26-Feb-91	100.00	99.23	99.79	99.72	96.94	NA	100.00	97.49	99.83	99.30	99.93	100.00	99.90	99.79	99.90	99.61	99.89	91.40	99.65	94.24	99.9	85.46	NA	100.00
17	05-Mar-91	100.00	99.06	99.78	99.69	96.92	NA	99.99	97.32	99.81	98.92	99.91	100.00	99.90	99.78	99.89	99.59	99.85	89.08	99.59	93.88	99.9	85.26	NA	100.00
18	12-Mar-91	100.00	98.98	99.77	99.68	96.91	NA	99.99	97.24	99.80	98.72	99.90	100.00	99.90	99.77	99.88	99.59	99.83	87.92	99.57	93.70	99.9	85.15	NA	100.00
19	19-Mar-91	100.00	98.90	99.76	99.67	96.90	NA	99.99	97.16	99.79	98.53	99.89	100.00	99.90	99.77	99.88	99.58	99.81	86.76	99.54	93.52	99.9	85.05	NA	100.00
20	26-Mar-91	100.00	98.86	99.76	99.65	96.69	NA	99.99	97.05	99.78	98.45	99.89	100.00	99.90	99.76	99.87	99.57	99.79	85.23	99.34	93.15	99.9	84.99	NA	100.00
21	02-Apr-91	100.00	98.83	99.75	99.65	96.58	NA	99.99	96.99	99.77	98.41	99.89	100.00	99.90	99.76	99.87	99.56	99.78	84.46	99.23	92.97	99.9	84.96	NA	100.00
22	09-Apr-91	100.00	98.81	99.75	99.64	96.48	NA	99.99	96.94	99.77	98.37	99.89	100.00	99.90	99.75	99.86	99.55	99.77	83.69	99.13	92.78	99.9	84.93	NA	100.00
23	16-Apr-91	100.00	98.77	99.75	99.63	96.26	NA	99.99	96.84	99.74	98.36	99.88	100.00	99.90	99.75	99.86	99.54	99.76	82.55	99.09	92.57	99.8	84.79	NA	100.00
24	23-Apr-91	100.00	98.73	99.74	99.62	96.05	NA	99.99	96.71	99.72	98.33	99.88	99.99	99.89	99.74	99.85	99.53	99.75	81.70	99.01	92.37	99.8	84.62	NA	99.99
25	30-Apr-91	100.00	98.69	99.74	99.61	95.85	NA	99.99	96.57	99.72	98.30	99.87	99.99	99.89	99.73	99.84	99.51	99.75	81.15	98.89	92.18	99.8	84.44	NA	99.99
Maximum		100.00	99.97	100.00	99.98	99.83	NA	100.00	99.94	100.00	99.96	100.00	100.00	100.00	99.99	100.00	99.99	99.99	99.60	100.00	99.75	100.0	96.83	NA	100.00
Minimum		100.00	98.69	99.74	99.61	95.85	NA	99.99	96.57	99.72	98.30	99.87	99.99	99.89	99.73	99.84	99.51	99.75	81.15	98.89	92.18	99.8	84.44	NA	99.99
Mean		100.00	99.31	99.81	99.76	97.59	NA	100.00	98.03	99.86	99.18	99.94	100.00	99.93	99.83	99.92	99.66	99.88	91.41	99.62	95.50	99.9	86.73	NA	100.00
Median		100.00	99.35	99.81	99.76	97.15	NA	100.00	97.83	99.84	99.34	99.94	100.00	99.90	99.81	99.92	99.64	99.91	91.97	99.72	94.85	99.9	85.58	NA	100.00
Mean Last 5 Weeks		100.00	98.77	99.75	99.63	96.24	NA	99.99	96.81	99.75	98.36	99.88	99.99	99.90	99.74	99.85	99.54	99.76	82.71	99.07	92.57	99.8	84.75	NA	100.00
Final Flush		100.00	98.69	99.74	99.61	95.85	NA	99.99	96.57	99.72	98.30	99.87	99.99	99.89	99.73	99.84	99.51	99.75	81.15	98.89	92.18	99.8	84.44	NA	99.99
75% Remaining (Wks)		199774	595	4783	2175	126	NA	78280	201	1553	971	4081	26544	53636	3483	2686	1912	4488	33	318	111	6874	83	NA	188240
50% Remaining (Wks)		399540	1196	9591	4359	246	NA	156560	403	3097	1985	8158	53070	#####	6977	5363	3835	8995	63	623	234	13765	235	NA	376493
25% Remaining (Wks)		599306	1797	14398	6543	367	NA	234840	606	4641	2999	12235	79595	#####	10471	8040	5758	13502	92	928	358	20656	387	NA	564746
0% Remaining (Wks)		799071	2398	19206	8726	487	NA	313119	809	6186	4013	16312	106121	#####	13965	10718	7681	18010	122	1234	481	27547	538	NA	752999

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B8. Composite #8 (Rhyolite; Mean Condition Net NP)

Pre-Test ABA & ICP Metals Data Eskay Creek Composite #8 (Rhyolite) [Rhyolite (Mean Condition Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		7.9
% S (Total)		2.33
% SO4		0.09
% S (Sulphide)		2.15
TAP (tonne CaCO3/ktonne)		73
NP (tonne CaCO3/ktonne)		17.3
CO2 (%)		0.5
CaNP (t CaCO3/ktonne)		11
NNP (tonne CaCO3/ktonne)		-56
NP/AP		0.24
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	48000
Antimony	Sb	50
Arsenic	As	320
Barium	Ba	160
Bismuth	Bi	12
Boron	B	
Cadmium	Cd	27.5
Calcium	Ca	2100
Chromium	Cr	135
Cobalt	Co	3
Copper	Cu	25
Iron	Fe	22900
Lead	Pb	4670
Magnesium	Mg	14800
Manganese	Mn	225
Mercury	Hg	7
Molybdenum	Mo	9
Nickel	Ni	6
Phosphorus	P	90
Selenium	Se	3
Silicon	Si	35.8
Silver	Ag	9.2
Sodium	Na	200
Strontium	Sr	
Vanadium	V	2
Zinc	Zn	7060

Post-Test ABA & ICP Metals Data Eskay Creek Composite #8 (Rhyolite) [Rhyolite (Mean Condition Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		*Not Available*
TAP (tonne CaCO3/ktonne)		
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Aluminum	Al	
Antimony	Sb	
Arsenic	As	
Barium	Ba	
Beryllium	Be	
Bismuth	Bi	
Cadmium	Cd	
Calcium	Ca	
Chromium	Cr	
Cobalt	Co	*Not Available*
Copper	Cu	
Iron	Fe	
Lead	Pb	
Magnesium	Mg	
Manganese	Mn	
Mercury	Hg	
Molybdenum	Mo	
Nickel	Ni	
Phosphorus	P	
Selenium	Se	
Silicon	Si	
Silver	Ag	
Sodium	Na	
Strontium	Sr	
Vanadium	V	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown underlined, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Composite #8, Rhyolite (Mean Condition Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Total Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)***	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	06-Nov-90	342	5.54	216	276	6.7	3.2	82.3	1.09	2.29	28	28	100.0	100.0
1	13-Nov-90	435	6.93	261	363	19.5	3.8	145	1.65	8.48	63	91	99.9	99.9
2	20-Nov-90	410	6.47	138	281	10.9	3.1	93.8	1.27	4.47	38	130	99.8	99.8
3	27-Nov-90	429	6.54	247	215	10.7	3.1	67.5	1.33	4.59	29	159	99.8	99.8
4	04-Dec-90	427	6.03	198	212	5.9	3.1	74.1	1.32	2.52	32	190	99.7	99.7
5	11-Dec-90	419	6.69	156	185	10.9	2.5	49.8	1.05	4.57	21	211	99.7	99.7
6	18-Dec-90	441	6.2	195	174	6.2	3.2	49.4	1.41	2.73	22	233	99.7	99.6
7	25-Dec-90	390	6.43	162	208	8.3	4.8	69.1	1.87	3.24	27	260	99.6	99.6
8	01-Jan-91	383	6.65	150	207	10.1	4.5	76	1.72	3.87	29	289	99.6	99.6
9	08-Jan-91	434	6.48	175	147	7.4	3.3	49.4	1.43	3.21	21	310	99.6	99.5
10	15-Jan-91	439	6.61	166	155	7.4	2.4	42.8	1.05	3.25	19	329	99.5	99.5
11	22-Jan-91	432	6.16	224	170	5.1	2.9	61.2	1.25	2.20	26	356	99.5	99.4
12	29-Jan-91	425	6.24	186	141	5.5	2.7	47.3	1.15	2.34	20	376	99.5	99.4
13	05-Feb-91	418	6.37	226	187	5.9	2.2	57.6	0.92	2.47	24	400	99.4	99.4
14	12-Feb-91	409	6.47	161	174	5.8	2.1	61.7	0.86	2.37	25	425	99.4	99.3
15	19-Feb-91	414	6.09	174	183	3.8	2.6	69.4	1.08	1.57	29	454	99.4	99.3
16	26-Feb-91	413	6.21	163	179	4.1	2.2	61.2	0.91	1.69	25	479	99.3	99.3
17	05-Mar-91	409	5.98	153	166	3.6	2.2	66.1	0.90	1.47	27	506	99.3	99.2
18	12-Mar-91	424	6.34	151	188	3.5	2.6	53.8	1.10	1.48	23	529	99.2	99.2
19	19-Mar-91	404	6.17	113	177	3.7	3.4	92.7	1.37	1.49	37	566	99.2	99.1
20	26-Mar-91	426	6.04	114	167	3.2	3.5	63	1.49	1.36	27	593	99.2	99.1
21	02-Apr-91	439	6.22	184	154	2.5	3.1	55	1.36	1.10	24	617	99.1	99.0
22	09-Apr-91	424	6.28	151	172	3.2	2.8	66	1.19	1.36	28	645	99.1	99.0
23	16-Apr-91	423	6.21	112	176	3.1	2.9	59.8	1.23	1.31	25	671	99.0	99.0
24	23-Apr-91	426	6.01	148	164	2.3	3.6	62	1.53	0.98	26	697	99.0	98.9
25	30-Apr-91	432	5.91	155	182	2.61	3.3	67	1.43	1.13	29	726	99.0	98.9
Maximum		441	6.93	261	363	19.5	4.8	145	1.87	8.48	63	726	100.0	100.0
Minimum		342	5.54	112	141	2.3	2.1	43	0.86	0.98	19	28	99.0	98.9
Mean		418	6.28	172	192	6.2	3.0	67	1.27	2.60	28	395	99.4	99.4
Median		424	6.23	163	178	5.7	3.1	63	1.26	2.31	27	388	99.4	99.4
Mean Last 5 Weeks		429	6.13	150	170	2.7	3.1	62	1.35	1.17	27	671	99.0	99.0
Final Flush												726	99.0	98.9
75% Remaining (Wks)													656	605
50% Remaining (Wks)													1313	1211
25% Remaining (Wks)													1970	1818
0% Remaining (Wks)													2627	2424

** If measured alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #8, Rhyolite (Mean Condition Net NP)

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:**				Carbonate	Remaining	Feldspar	Remaining			
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO_2	NP	$CaCO_3$	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)
0	06-Nov-90	0.078	10.2	0.347	0.80	0.872	29.3	33.9	99.80	31.6	99.82	23.5	99.86	25.6	99.85	57.5	99.67
1	13-Nov-90	0.129	6.2	0.327	0.80	0.627	65.7	82.7	99.33	74.2	99.39	52.7	99.56	41.2	99.61	129.8	98.92
2	20-Nov-90	0.112	9.1	0.480	1.03	0.768	40.1	49.0	99.04	44.5	99.13	41.2	99.32	30.8	99.44	78.8	98.46
3	27-Nov-90	0.152	7.9	0.582	1.22	0.876	30.2	39.3	98.82	34.8	98.93	36.7	99.11	26.4	99.28	59.0	98.12
4	04-Dec-90	0.076	12.5	0.398	0.96	0.536	33.0	38.0	98.60	35.5	98.73	31.7	98.93	17.7	99.18	64.6	97.75
5	11-Dec-90	0.210	6.5	0.635	1.37	0.753	21.7	30.9	98.42	26.3	98.57	29.9	98.75	16.4	99.09	42.4	97.50
6	18-Dec-90	0.120					22.7	28.2	98.25	25.4	98.43	27.4	98.60	14.2	99.00	44.0	97.25
7	25-Dec-90	0.115					28.1	34.5	98.05	31.3	98.25	27.4	98.44	14.2	98.92	54.3	96.93
8	01-Jan-91	0.128					30.3	38.1	97.83	34.2	98.05	27.4	98.28	14.2	98.84	58.9	96.59
9	08-Jan-91	0.144	7.7	0.461	1.11	0.533	22.3	28.8	97.67	25.5	97.90	24.8	98.14	11.9	98.77	43.2	96.34
10	15-Jan-91	0.166					19.6	26.1	97.52	22.8	97.77	26.6	97.98	12.4	98.70	38.1	96.12
11	22-Jan-91	0.080					27.5	31.9	97.33	29.7	97.60	26.6	97.83	12.4	98.63	53.8	95.81
12	29-Jan-91	0.112	12.0	0.588	1.35	0.614	20.9	25.6	97.19	23.3	97.46	28.3	97.66	12.9	98.55	40.7	95.58
13	05-Feb-91	0.098					25.1	30.0	97.01	27.5	97.30	32.5	97.48	13.9	98.47	49.2	95.29
14	12-Feb-91	0.090					26.3	31.0	96.83	28.7	97.14	32.5	97.29	13.9	98.39	51.7	94.99
15	19-Feb-91	0.053	22.7	0.466	1.20	0.478	29.9	33.1	96.64	31.5	96.95	36.1	97.08	14.3	98.31	58.8	94.65
16	26-Feb-91	0.064	21.1	0.587	1.37	0.652	26.3	29.7	96.47	28.0	96.79	36.1	96.87	17.2	98.21	51.7	94.35
17	05-Mar-91	0.052	19.7	0.446	1.04	0.455	28.2	31.1	96.29	29.6	96.62	29.3	96.70	12.8	98.14	55.4	94.03
18	12-Mar-91	0.062					23.8	26.7	96.14	25.2	96.48	29.1	96.53	12.4	98.07	46.4	93.77
19	19-Mar-91	0.038					39.0	42.0	95.89	40.5	96.24	29.1	96.37	12.4	98.00	76.6	93.32
20	26-Mar-91	0.049	21.1	0.418	1.04	0.425	28.0	30.7	95.72	29.3	96.07	29.0	96.20	11.9	97.93	54.4	93.01
21	02-Apr-91	0.044					25.2	27.3	95.56	26.2	95.92	30.5	96.02	14.1	97.84	48.9	92.73
22	09-Apr-91	0.047					29.2	31.9	95.37	30.5	95.74	30.5	95.85	14.1	97.76	57.1	92.39
23	16-Apr-91	0.050	24.1	0.545	1.21	0.615	26.3	29.0	95.21	27.7	95.58	31.9	95.66	16.2	97.67	51.5	92.10
24	23-Apr-91	0.036					27.5	29.5	95.04	28.5	95.42	31.9	95.48	15.9	97.58	53.5	91.79
25	30-Apr-91	0.037	27.7	0.483	1.05	0.508	30.2	32.4	94.85	31.3	95.24	31.6	95.29	15.3	97.49	58.9	91.45
Maximum		0.210	27.7	0.635	1.37	0.876	65.7	82.7	99.80	74.2	99.82	52.7	99.86	41.2	99.85	129.8	99.67
Minimum		0.036	6.2	0.327	0.80	0.425	19.6	25.6	94.85	22.8	95.24	23.5	95.29	11.9	97.49	38.1	91.45
Mean		0.090	14.9	0.483	1.11	0.622	29.1	34.3	97.11	31.7	97.37	31.3	97.51	16.7	98.53	56.9	95.34
Median		0.079	12.2	0.473	1.08	0.615	27.7	31.1	97.10	29.5	97.38	30.2	97.57	14.2	98.51	54.0	95.43
Mean Last 5 Weeks		0.043	25.9	0.514	1.13	0.561	27.7	30.0	95.20	28.8	95.58	31.3	95.66	15.1	97.67	54.0	92.09
Final Flush									94.85		95.24		95.29		97.49		91.45
75% Remaining (Wks)									140		147		138		283		79
50% Remaining (Wks)									285		297		276		569		159
25% Remaining (Wks)									429		447		415		855		239
0% Remaining (Wks)									573		597		553		1141		319

*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used to calculate Molar Ratio NP Consumption values.

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #8, Rhyolite (Mean Condition Net NP)

		Dissolved Metals*:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(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)
0	06-Nov-90	0.17	*0.01*	*0.01*	0.089	*0.02*	1	*0.001*	11.9	*0.0025*	*0*	*0*	0.177	*0.01*	9.3	0.153	*0.005*	*0.0015*	0.016	0.04	0.12	*0.0015*	20.7	0.401	0.087
1	13-Nov-90	0.04	*0.01*	*0.01*	0.08	*0.02*	1.32	*0.001*	19.8	0.01	0.009	0.008	0.083	0.03	17.2	0.198	*0.005*	0.008	0.007	0.19	0.15	*0.0015*	20.8	0.598	0.034
2	20-Nov-90	0.02	*0.01*	*0.01*	0.062	*0.02*	1.08	*0.001*	18.8	0.009	0.011	0.008	0.135	*0.01*	12.8	0.143	*0.005*	*0.0015*	*0*	0.15	0.1	*0.0015*	12.9	0.512	0.035
3	27-Nov-90	0.17	*0.01*	*0.01*	0.058	*0.02*	1.86	*0.001*	16.4	*0.0025*	0.009	0.014	0.04	*0.01*	10.7	0.143	*0.005*	*0.0015*	*0*	0.14	0.25	*0.0015*	9.5	0.348	0.049
4	04-Dec-90	0.12	*0.01*	*0.01*	0.04	*0.02*	0.77	*0.001*	12.3	*0.0025*	*0*	0.014	0.036	*0.01*	10.4	0.118	*0.005*	*0.0015*	0.006	0.12	0.07	*0.0015*	4.9	0.41	0.036
5	11-Dec-90	0.1	*0.01*	*0.01*	0.037	*0.02*	0.66	*0.001*	13.2	*0.0025*	0.006	0.006	0.076	0.07	9.2	0.122	*0.005*	*0.0015*	0.01	0.02	0.24	*0.0015*	2.8	0.29	0.037
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.04	*0.01*	*0.01*	0.042	*0.02*	0.44	0.003	9.5	0.018	0.008	0.018	0.207	0.12	8	0.131	*0.005*	*0.0015*	0.014	0.13	0.26	*0.0015*	1.7	0.247	0.064
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.03	0.04	*0.01*	0.04	*0.02*	0.42	*0.001*	11.6	*0.0025*	0.006	0.015	0.19	0.23	9	0.156	*0.005*	*0.0015*	0.013	0.13	0.15	*0.0015*	0.6	0.239	0.088
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.4	*0.01*	*0.01*	0.028	*0.02*	0.6	*0.001*	13.5	*0.0025*	*0*	0.017	0.21	0.2	12.8	0.253	*0.005*	*0.0015*	*0*	*0.34*	0.12	*0.0015*	0.4	0.331	0.084
16	26-Feb-91	2.62	*0.01*	*0.01*	0.027	*0.02*	0.56	*0.001*	15	*0.0025*	*0*	0.005	0.34	0.12	11.9	0.459	*0.005*	*0.0015*	*0*	0.26	0.12	*0.0015*	1.9	0.31	0.1
17	05-Mar-91	0.06	*0.01*	*0.01*	0.035	*0.02*	0.55	*0.001*	12.3	*0.0025*	0.013	0.015	0.22	0.04	9.8	0.204	*0.005*	*0.0015*	0.008	0.26	0.16	*0.0015*	0.3	0.233	0.11
18	12-Mar-91																								
19	19-Mar-91																								
20	26-Mar-91	0.06	*0.01*	*0.01*	0.023	*0.02*	0.25	0.003	11	0.012	0.011	0.015	0.25	0.4	9.7	0.271	*0.005*	0.004	0.019	1.41	0.18	*0.0015*	0.2	0.215	0.178
21	02-Apr-91																								
22	09-Apr-91																								
23	16-Apr-91	0.57	*0.01*	*0.01*	0.023	*0.02*	0.62	0.003	13.6	0.034	*0*	0.009	0.19	0.46	9.9	0.415	*0.005*	*0.001*	0.002	0.26	0.14	*0.0015*	2	0.22	0.232
24	23-Apr-91																								
25	30-Apr-91	0.15	*0.01*	*0.01*	0.025	*0.02*	0.66	0.004	13.5	*0.0025*	0.005	0.011	0.63	0.76	9.4	0.376	*0.005*	0.004	0.016	0.54	0.13	0.004	0.8	0.221	0.326
Maximum		2.62	0.04	0.01	0.089	0.02	1.86	0.004	19.8	0.0340	0.013	0.018	0.63	0.76	17.2	0.459	0.005	0.008	0.02	1.41	0.26	0.004	20.8	0.598	0.33
Minimum		0.02	0.01	0.01	0.023	0.02	0.25	0.001	9.5	0.0025	0.003	0.001	0.04	0.01	8.0	0.118	0.005	0.0010	0.00	0.02	0.07	0.0015	0.2	0.215	0.03
Mean		0.33	0.01	0.01	0.044	0.02	0.77	0.002	13.7	0.0075	0.006	0.011	0.20	0.18	10.7	0.224	0.005	0.0023	0.01	0.29	0.16	0.0017	5.7	0.327	0.10
Median		0.11	0.01	0.01	0.039	0.02	0.64	0.001	13.4	0.0025	0.006	0.013	0.19	0.1	9.9	0.177	0.005	0.0015	0.01	0.17	0.15	0.0015	2.0	0.300	0.09
Mean Last 5 Weeks		0.36	0.01	0.01	0.024	0.02	0.64	0.004	13.6	0.0183	0.004	0.010	0.41	0.61	9.7	0.396	0.005	0.0025	0.01	0.40	0.14	0.0028	1.4	0.221	0.28
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #8, Rhyolite (Mean Condition Net NP)

		Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	06-Nov-90	0.058	0.003	0.003	0.030	0.007	0.342	0.0003	4.07	0.001	0.001	0.0003	0.061	0.003	3.18	0.052	0.002	0.0005	0.005	0.014	0.041	0.001	7.08	0.137	0.030
1	13-Nov-90	0.017	0.004	0.004	0.035	0.009	0.574	0.0004	8.61	0.004	0.004	0.0035	0.036	0.013	7.48	0.086	0.002	0.0035	0.003	0.083	0.065	0.001	9.05	0.260	0.015
2	20-Nov-90	0.008	0.004	0.004	0.025	0.008	0.443	0.0004	7.71	0.004	0.005	0.0033	0.055	0.004	5.25	0.059	0.002	0.0006	0.001	0.062	0.041	0.001	5.29	0.210	0.014
3	27-Nov-90	0.073	0.004	0.004	0.025	0.009	0.798	0.0004	7.04	0.001	0.004	0.0060	0.017	0.004	4.59	0.061	0.002	0.0006	0.001	0.060	0.107	0.001	4.08	0.149	0.021
4	04-Dec-90	0.051	0.004	0.004	0.017	0.009	0.329	0.0004	5.25	0.001	0.001	0.0060	0.015	0.004	4.44	0.050	0.002	0.0006	0.003	0.051	0.030	0.001	2.09	0.175	0.015
5	11-Dec-90	0.042	0.004	0.004	0.016	0.008	0.277	0.0004	5.53	0.001	0.003	0.0025	0.032	0.029	3.85	0.051	0.002	0.0006	0.004	0.008	0.101	0.001	1.17	0.122	0.016
6	18-Dec-90																								
7	25-Dec-90																								
8	01-Jan-91																								
9	08-Jan-91	0.017	0.004	0.004	0.018	0.009	0.191	0.0013	4.12	0.008	0.003	0.0078	0.090	0.052	3.47	0.057	0.002	0.0007	0.006	0.056	0.113	0.001	0.74	0.107	0.028
10	15-Jan-91																								
11	22-Jan-91																								
12	29-Jan-91	0.013	0.017	0.004	0.017	0.009	0.179	0.0004	4.93	0.001	0.003	0.0064	0.081	0.098	3.83	0.066	0.002	0.0006	0.006	0.055	0.064	0.001	0.26	0.102	0.037
13	05-Feb-91																								
14	12-Feb-91																								
15	19-Feb-91	0.166	0.004	0.004	0.012	0.008	0.248	0.0004	5.59	0.001	0.001	0.0070	0.087	0.083	5.30	0.105	0.002	0.0006	0.001	0.141	0.050	0.001	0.17	0.137	0.035
16	26-Feb-91	1.082	0.004	0.004	0.011	0.008	0.231	0.0004	6.20	0.001	0.001	0.0021	0.140	0.050	4.91	0.190	0.002	0.0006	0.001	0.107	0.050	0.001	0.78	0.128	0.041
17	05-Mar-91	0.025	0.004	0.004	0.014	0.008	0.225	0.0004	5.03	0.001	0.005	0.0061	0.090	0.016	4.01	0.083	0.002	0.0006	0.003	0.106	0.065	0.001	0.12	0.095	0.045
18	12-Mar-91																								
19	19-Mar-91																								
20	26-Mar-91	0.026	0.004	0.004	0.010	0.009	0.107	0.0013	4.69	0.005	0.005	0.0064	0.107	0.170	4.13	0.115	0.002	0.0017	0.008	0.601	0.077	0.001	0.09	0.092	0.076
21	02-Apr-91																								
22	09-Apr-91																								
23	16-Apr-91	0.241	0.004	0.004	0.010	0.008	0.262	0.0013	5.75	0.014	0.001	0.0038	0.080	0.195	4.19	0.176	0.002	0.0004	0.001	0.110	0.059	0.001	0.85	0.093	0.098
24	23-Apr-91																								
25	30-Apr-91	0.065	0.004	0.004	0.011	0.009	0.285	0.0017	5.83	0.001	0.002	0.0048	0.272	0.328	4.06	0.162	0.002	0.0017	0.007	0.233	0.056	0.002	0.35	0.095	0.141
Maximum		1.082	0.017	0.004	0.035	0.009	0.798	0.0017	8.61	0.014	0.005	0.0078	0.272	0.328	7.48	0.190	0.002	0.0035	0.008	0.601	0.113	0.002	9.05	0.260	0.141
Minimum		0.008	0.003	0.003	0.010	0.007	0.107	0.0003	4.07	0.001	0.001	0.0003	0.015	0.003	3.18	0.050	0.002	0.0004	0.001	0.008	0.030	0.001	0.09	0.092	0.014
Mean		0.135	0.005	0.004	0.018	0.008	0.321	0.0007	5.74	0.003	0.003	0.0047	0.083	0.075	4.48	0.094	0.002	0.0010	0.004	0.121	0.066	0.001	2.29	0.136	0.044
Median		0.047	0.004	0.004	0.016	0.008	0.269	0.0004	5.56	0.001	0.003	0.0054	0.081	0.039	4.16	0.075	0.002	0.0006	0.003	0.072	0.061	0.001	0.82	0.125	0.032
Mean Last 5 Weeks		0.153	0.004	0.004	0.010	0.009	0.274	0.0015	5.79	0.008	0.002	0.0043	0.176	0.261	4.12	0.169	0.002	0.0011	0.004	0.172	0.058	0.001	0.60	0.094	0.119
Final Flush																									
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #8, Rhyolite (Mean Condition Net NP)

		Cumulative Metal Leach Rates:																						
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	06-Nov-90	0.06	0.00	0.00	0.03	0.01	0.34	0.0003	4.07	0.00	0.00	0.0003	0.06	0.003	3.18	0.05	0.00	0.00	0.01	0.01	0.04	0.00	7.08	0.14	0.03
1	13-Nov-90	0.08	0.01	0.01	0.07	0.02	0.92	0.0008	12.68	0.01	0.00	0.0038	0.10	0.016	10.66	0.14	0.00	0.00	0.01	0.10	0.11	0.00	16.13	0.40	0.04
2	20-Nov-90	0.08	0.01	0.01	0.09	0.02	1.36	0.0012	20.39	0.01	0.01	0.0071	0.15	0.021	15.91	0.20	0.01	0.00	0.01	0.16	0.15	0.00	21.42	0.61	0.06
3	27-Nov-90	0.16	0.02	0.02	0.12	0.03	2.16	0.0016	27.43	0.01	0.01	0.0131	0.17	0.025	20.50	0.26	0.01	0.01	0.01	0.22	0.25	0.00	25.49	0.76	0.08
4	04-Dec-90	0.21	0.02	0.02	0.13	0.04	2.49	0.0020	32.68	0.01	0.01	0.0191	0.18	0.029	24.94	0.31	0.01	0.01	0.01	0.27	0.28	0.00	27.58	0.93	0.10
5	11-Dec-90	0.25	0.02	0.02	0.15	0.05	2.76	0.0025	38.21	0.01	0.02	0.0216	0.22	0.058	28.80	0.36	0.01	0.01	0.02	0.28	0.38	0.00	28.76	1.05	0.11
6	18-Dec-90	0.28	0.03	0.03	0.16	0.06	3.00	0.0033	43.04	0.02	0.02	0.0268	0.28	0.099	32.46	0.41	0.01	0.01	0.02	0.31	0.49	0.00	29.71	1.17	0.13
7	25-Dec-90	0.31	0.03	0.03	0.18	0.07	3.23	0.0042	47.86	0.02	0.02	0.0319	0.34	0.140	36.12	0.47	0.02	0.01	0.03	0.34	0.60	0.00	30.67	1.28	0.15
8	01-Jan-91	0.34	0.04	0.04	0.20	0.07	3.46	0.0050	52.69	0.03	0.03	0.0371	0.40	0.181	39.79	0.52	0.02	0.01	0.03	0.37	0.71	0.01	31.62	1.40	0.18
9	08-Jan-91	0.36	0.04	0.04	0.22	0.08	3.65	0.0063	56.81	0.03	0.03	0.0449	0.49	0.233	43.26	0.58	0.02	0.01	0.04	0.43	0.82	0.01	32.36	1.50	0.20
10	15-Jan-91	0.37	0.05	0.05	0.23	0.09	3.84	0.0072	61.34	0.04	0.03	0.0520	0.57	0.308	46.91	0.64	0.02	0.01	0.04	0.49	0.91	0.01	32.86	1.61	0.24
11	22-Jan-91	0.39	0.06	0.05	0.25	0.10	4.02	0.0081	65.87	0.04	0.04	0.0591	0.66	0.382	50.56	0.70	0.03	0.01	0.05	0.54	0.99	0.01	33.35	1.71	0.27
12	29-Jan-91	0.40	0.08	0.05	0.27	0.11	4.20	0.0085	70.80	0.04	0.04	0.0655	0.74	0.480	54.38	0.77	0.03	0.01	0.06	0.60	1.06	0.01	33.61	1.81	0.31
13	05-Feb-91	0.41	0.09	0.06	0.28	0.11	4.29	0.0087	73.26	0.04	0.04	0.0687	0.78	0.529	56.29	0.80	0.03	0.01	0.06	0.63	1.09	0.01	33.74	1.86	0.32
14	12-Feb-91	0.41	0.10	0.06	0.29	0.12	4.38	0.0089	75.73	0.04	0.04	0.0718	0.82	0.578	58.21	0.83	0.03	0.01	0.06	0.65	1.12	0.01	33.86	1.92	0.34
15	19-Feb-91	0.58	0.10	0.06	0.30	0.13	4.63	0.0093	81.32	0.05	0.04	0.0789	0.91	0.661	63.50	0.94	0.03	0.01	0.06	0.79	1.17	0.01	34.03	2.05	0.38
16	26-Feb-91	1.66	0.11	0.07	0.31	0.13	4.86	0.0097	87.51	0.05	0.04	0.0809	1.05	0.710	68.42	1.13	0.03	0.01	0.06	0.90	1.22	0.01	34.81	2.18	0.42
17	05-Mar-91	1.68	0.11	0.07	0.32	0.14	5.09	0.0102	92.54	0.05	0.05	0.0871	1.14	0.727	72.43	1.21	0.04	0.01	0.07	1.01	1.29	0.01	34.94	2.28	0.46
18	12-Mar-91	1.70	0.11	0.07	0.33	0.15	5.20	0.0104	95.06	0.05	0.05	0.0901	1.18	0.735	74.43	1.25	0.04	0.01	0.07	1.06	1.32	0.01	35.00	2.32	0.49
19	19-Mar-91	1.71	0.11	0.08	0.34	0.15	5.31	0.0106	97.57	0.05	0.05	0.0932	1.23	0.743	76.44	1.30	0.04	0.01	0.07	1.11	1.35	0.01	35.06	2.37	0.51
20	26-Mar-91	1.73	0.12	0.08	0.35	0.16	5.42	0.0118	102.26	0.05	0.06	0.0996	1.33	0.913	80.57	1.41	0.04	0.02	0.08	1.71	1.43	0.01	35.15	2.46	0.59
21	02-Apr-91	1.75	0.12	0.08	0.35	0.16	5.47	0.0125	104.60	0.06	0.06	0.1028	1.39	0.999	82.63	1.47	0.04	0.02	0.08	2.02	1.47	0.01	35.19	2.51	0.62
22	09-Apr-91	1.76	0.12	0.08	0.36	0.17	5.52	0.0131	106.94	0.06	0.06	0.1060	1.44	1.084	84.70	1.53	0.04	0.02	0.09	2.32	1.51	0.01	35.23	2.55	0.66
23	16-Apr-91	2.00	0.13	0.09	0.37	0.18	5.79	0.0144	112.70	0.07	0.06	0.1098	1.52	1.278	88.89	1.70	0.04	0.02	0.09	2.43	1.56	0.01	36.08	2.65	0.76
24	23-Apr-91	2.15	0.13	0.09	0.38	0.18	6.06	0.0159	118.49	0.08	0.07	0.1141	1.70	1.540	93.01	1.87	0.05	0.02	0.09	2.60	1.62	0.01	36.67	2.74	0.88
25	30-Apr-91	2.22	0.13	0.10	0.39	0.19	6.34	0.0176	124.32	0.08	0.07	0.1188	1.97	1.868	97.07	2.03	0.05	0.02	0.10	2.83	1.68	0.02	37.02	2.84	1.02
Maximum		2.22	0.135	0.097	0.388	0.193	6.34	0.0176	124	0.082	0.067	0.1188	1.97	1.868	97	2.03	0.048	0.021	0.098	2.83	1.68	0.016	37.0	2.84	1.02
Minimum		0.06	0.003	0.003	0.030	0.007	0.34	0.0003	4	0.001	0.001	0.0003	0.06	0.003	3	0.05	0.002	0.001	0.005	0.01	0.04	0.001	7.1	0.14	0.03
Mean		0.89	0.073	0.052	0.248	0.105	3.99	0.0079	69	0.038	0.037	0.0617	0.80	0.552	54	0.88	0.026	0.011	0.050	0.93	0.95	0.008	31.1	1.73	0.36
Median		0.40	0.084	0.056	0.273	0.111	4.25	0.0086	72	0.043	0.038	0.0671	0.76	0.505	55	0.78	0.028	0.011	0.057	0.61	1.07	0.008	33.7	1.84	0.32
Mean Last 5 Weeks		1.98	0.127	0.089	0.368	0.177	5.84	0.0147	113	0.070	0.064	0.1103	1.60	1.354	89	1.72	0.044	0.018	0.089	2.44	1.57	0.014	36.0	2.66	0.79
Final Flush		2.22	0.135	0.097	0.388	0.193	6.34	0.0176	124	0.082	0.067	0.1188	1.97	1.868	97	2.03	0.048	0.021	0.098	2.83	1.68	0.016	37.0	2.84	1.02
75% Remaining (Wks)																									
50% Remaining (Wks)																									
25% Remaining (Wks)																									
0% Remaining (Wks)																									

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Composite #8, Rhyolite (Mean Condition Net NP)

		Remaining Metal:																							
		Aluminum	Antimony	Arsenic	Barium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Silicon	Silver	Sodium	Strontium	Zinc
Week No.	Date	D-Al	D-Sb	D-As	D-Ba	D-Bi	D-B	D-Cd	D-Ca	D-Cr	D-Co	D-Cu	D-Fe	D-Pb	D-Mg	D-Mn	D-Hg	D-Mo	D-Ni	D-P	D-Si	D-Ag	D-Na	D-Sr	D-Zn
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0	06-Nov-90	100.00	99.99	100.00	99.98	99.94	NA	100.00	99.81	100.00	99.97	100.00	100.00	100.00	99.98	99.98	99.98	99.99	99.91	99.98	99.89	100.0	96.46	NA	100.00
1	13-Nov-90	100.00	99.98	100.00	99.96	99.87	NA	100.00	99.40	100.00	99.84	99.98	100.00	100.00	99.93	99.94	99.94	99.96	99.86	99.89	99.70	100.0	91.94	NA	100.00
2	20-Nov-90	100.00	99.98	100.00	99.94	99.80	NA	100.00	99.03	99.99	99.69	99.97	100.00	100.00	99.89	99.91	99.92	99.95	99.85	99.82	99.59	100.0	89.29	NA	100.00
3	27-Nov-90	100.00	99.97	99.99	99.93	99.73	NA	99.99	98.69	99.99	99.56	99.95	100.00	100.00	99.86	99.89	99.88	99.94	99.83	99.76	99.29	100.0	87.25	NA	100.00
4	04-Dec-90	100.00	99.96	99.99	99.92	99.66	NA	99.99	98.44	99.99	99.53	99.92	100.00	100.00	99.83	99.86	99.85	99.93	99.79	99.70	99.21	100.0	86.21	NA	100.00
5	11-Dec-90	100.00	99.95	99.99	99.91	99.59	NA	99.99	98.18	99.99	99.44	99.91	100.00	100.00	99.81	99.84	99.82	99.93	99.72	99.69	98.92	100.0	85.62	NA	100.00
6	18-Dec-90	100.00	99.94	99.99	99.90	99.52	NA	99.99	97.95	99.99	99.34	99.89	100.00	100.00	99.78	99.82	99.79	99.92	99.63	99.66	98.63	100.0	85.14	NA	100.00
7	25-Dec-90	100.00	99.93	99.99	99.89	99.45	NA	99.98	97.72	99.98	99.24	99.87	100.00	100.00	99.76	99.79	99.76	99.91	99.55	99.62	98.33	99.9	84.67	NA	100.00
8	01-Jan-91	100.00	99.93	99.99	99.88	99.38	NA	99.98	97.49	99.98	99.14	99.85	100.00	100.00	99.73	99.77	99.73	99.91	99.46	99.58	98.03	99.9	84.19	NA	100.00
9	08-Jan-91	100.00	99.92	99.99	99.86	99.30	NA	99.98	97.29	99.98	99.03	99.82	100.00	100.00	99.71	99.74	99.70	99.90	99.36	99.52	97.72	99.9	83.82	NA	100.00
10	15-Jan-91	100.00	99.90	99.99	99.85	99.23	NA	99.97	97.08	99.97	98.93	99.79	100.00	99.99	99.68	99.72	99.67	99.89	99.26	99.46	97.47	99.9	83.57	NA	100.00
11	22-Jan-91	100.00	99.87	99.98	99.84	99.16	NA	99.97	96.86	99.97	98.83	99.76	100.00	99.99	99.66	99.69	99.64	99.88	99.17	99.40	97.22	99.9	83.32	NA	100.00
12	29-Jan-91	100.00	99.84	99.98	99.83	99.09	NA	99.97	96.63	99.97	98.74	99.74	100.00	99.99	99.63	99.66	99.61	99.88	99.07	99.34	97.04	99.9	83.20	NA	100.00
13	05-Feb-91	100.00	99.82	99.98	99.83	99.05	NA	99.97	96.51	99.97	98.70	99.73	100.00	99.99	99.62	99.64	99.59	99.87	99.03	99.30	96.95	99.9	83.13	NA	100.00
14	12-Feb-91	100.00	99.81	99.98	99.82	99.02	NA	99.97	96.39	99.97	98.66	99.71	100.00	99.99	99.61	99.63	99.58	99.87	98.98	99.27	96.87	99.9	83.07	NA	100.00
15	19-Feb-91	100.00	99.80	99.98	99.81	98.95	NA	99.97	96.13	99.97	98.62	99.68	100.00	99.99	99.57	99.58	99.55	99.86	98.96	99.12	96.73	99.9	82.98	NA	99.99
16	26-Feb-91	100.00	99.79	99.98	99.81	98.88	NA	99.96	95.83	99.97	98.59	99.68	100.00	99.98	99.54	99.50	99.52	99.86	98.95	99.00	96.59	99.9	82.59	NA	99.99
17	05-Mar-91	100.00	99.78	99.98	99.80	98.81	NA	99.96	95.59	99.96	98.41	99.65	100.00	99.98	99.51	99.46	99.49	99.85	98.89	98.88	96.41	99.9	82.53	NA	99.99
18	12-Mar-91	100.00	99.78	99.98	99.79	98.78	NA	99.96	95.47	99.96	98.32	99.64	99.99	99.98	99.50	99.44	99.48	99.85	98.87	98.82	96.31	99.9	82.50	NA	99.99
19	19-Mar-91	100.00	99.77	99.98	99.79	98.75	NA	99.96	95.35	99.96	98.23	99.63	99.99	99.98	99.48	99.42	99.46	99.84	98.84	98.76	96.22	99.9	82.47	NA	99.99
20	26-Mar-91	100.00	99.76	99.98	99.78	98.67	NA	99.96	95.13	99.96	98.08	99.60	99.99	99.98	99.46	99.37	99.43	99.82	98.70	98.09	96.01	99.9	82.43	NA	99.99
21	02-Apr-91	100.00	99.76	99.97	99.78	98.64	NA	99.95	95.02	99.96	98.00	99.59	99.99	99.98	99.44	99.35	99.42	99.81	98.64	97.76	95.90	99.9	82.41	NA	99.99
22	09-Apr-91	100.00	99.76	99.97	99.78	98.60	NA	99.95	94.91	99.96	97.92	99.58	99.99	99.98	99.43	99.32	99.40	99.81	98.57	97.43	95.79	99.9	82.38	NA	99.99
23	16-Apr-91	100.00	99.75	99.97	99.77	98.53	NA	99.95	94.63	99.95	97.89	99.56	99.99	99.97	99.40	99.24	99.37	99.80	98.55	97.31	95.63	99.9	81.96	NA	99.99
24	23-Apr-91	100.00	99.74	99.97	99.76	98.46	NA	99.94	94.36	99.94	97.83	99.54	99.99	99.97	99.37	99.17	99.34	99.79	98.49	97.11	95.47	99.8	81.66	NA	99.99
25	30-Apr-91	100.00	99.73	99.97	99.76	98.39	NA	99.94	94.08	99.94	97.76	99.52	99.99	99.96	99.34	99.10	99.31	99.77	98.37	96.86	95.31	99.8	81.49	NA	99.99
Maximum		100.00	99.99	100.00	99.98	99.94	NA	100.00	99.81	100.00	99.97	100.00	100.00	100.00	99.98	99.98	99.98	99.99	99.91	99.98	99.89	100.0	96.46	NA	100.00
Minimum		100.00	99.73	99.97	99.76	98.39	NA	99.94	94.08	99.94	97.76	99.52	99.99	99.96	99.34	99.10	99.31	99.77	98.37	96.86	95.31	99.8	81.49	NA	99.99
Mean		100.00	99.85	99.98	99.84	99.13	NA	99.97	96.69	99.97	98.78	99.75	100.00	99.99	99.64	99.61	99.63	99.88	99.17	98.97	97.35	99.9	84.47	NA	99.99
Median		100.00	99.83	99.98	99.83	99.07	NA	99.97	96.57	99.97	98.72	99.73	100.00	99.99	99.63	99.65	99.60	99.88	99.05	99.32	97.00	99.9	83.16	NA	100.00
Mean Last 5 Weeks		100.00	99.75	99.97	99.77	98.52	NA	99.95	94.60	99.95	97.88	99.56	99.99	99.97	99.40	99.24	99.37	99.80	98.52	97.29	95.62	99.9	81.98	NA	99.99
Final Flush		100.00	99.73	99.97	99.76	98.39	NA	99.94	94.08	99.94	97.76	99.52	99.99	99.96	99.34	99.10	99.31	99.77	98.37	96.86	95.31	99.8	81.49	NA	99.99
75% Remaining (Wks)		78466	2918	18717	3885	354	NA	4602	95	4381	450	1459	32494	4484	900	347	822	2099	388	141	152	1959	48	NA	14789
50% Remaining (Wks)		156920	5842	37430	7782	705	NA	9190	186	8747	917	2919	64974	8950	1797	680	1641	4191	774	272	307	3907	132	NA	29561
25% Remaining (Wks)		235375	8766	56144	11679	1056	NA	13778	276	13112	1383	4380	97453	13415	2694	1013	2460	6283	1161	403	462	5854	216	NA	44333
0% Remaining (Wks)		313829	11690	74857	15576	1407	NA	18366	367	17478	1849	5840	129933	17881	3591	1345	3278	8375	1548	534	617	7801	300	NA	59105

** values shown in italics were reported as < detection limit, therefore 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B9. Rhyolite Breccia - Worst Case Composite

Pre-Test ABA & ICP Metals Data Eskay Creek Rhyolite Breccia [Worst Case Composite (Worst Case Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		4.2
% S (Total)		5.65
% SO4		0.1
% S (Sulphide)		5.47
TAP (tonne CaCO3/ktonne)		177
NP (tonne CaCO3/ktonne)		10.1
CO2 (%)		*0.1*
CaNP (t CaCO3/ktonne)		2
NNP (tonne CaCO3/ktonne)		-166
NP/AP		0.06
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

Post-Test ABA & ICP Metals Data Eskay Creek Rhyolite Breccia [Worst Case Composite (Worst Case Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		
TAP (tonne CaCO3/ktonne)		*Not*
NP (tonne CaCO3/ktonne)		*Available*
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown in italics, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Worst Case Composite - Worst Case Net NP)

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)*	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)**	Alkalinity Production Rate (mg/kg/wk)**	SO4 Production Rate (mg/kg/wk)**	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	16-Jun-92	415	3.2	387	3500		498	2375	207	0.00	986	986	99.42	99.40
1	23-Jun-92	450	3.88	327	1567		56.8	1000	26	0.00	450	1436	99.15	99.13
2	30-Jun-92	437	3.74	323	1239		45.2	675	20	0.00	295	1731	98.98	98.95
3	06-Jul-92	440.3	4.11	316	872		38.7	475	17	0.00	209	1940	98.86	98.82
4	14-Jul-92	423.3	3.81	349	857		43.7	494	18	0.00	209	2149	98.73	98.69
5	21-Jul-92	444.4	3.75	356	802		52.3	459	23	0.00	204	2353	98.61	98.57
6	28-Jul-92	457	3.56	374	1005		87.1	567	40	0.00	259	2612	98.46	98.41
7	04-Aug-92	442	3.41	397	1041		114.3	598	51	0.00	264	2876	98.30	98.25
8	11-Aug-92	460	3.18	424	1109		211	693	97	0.00	319	3195	98.12	98.05
9	18-Aug-92	439	2.53	482	2550		1102.9	1717	484	0.00	754	3949	97.67	97.59
10	25-Aug-92	453	2.24	501	4660		3574.3	8785	1619	0.00	3980	7928	95.32	95.17
11	01-Sep-92	436	2.14	495	6220		5243.3	7182	2286	0.00	3131	11060	93.48	93.26
12	08-Sep-92	449.5	2.14	498	6080		5256.2	7308	2363	0.00	3285	14345	91.54	91.26
13	15-Sep-92	447.9	2.22	506	4700		4063.8	5418	1820	0.00	2427	16771	90.11	89.78
14	22-Sep-92	456.9	2.18	483	5790		4543	4032	2076	0.00	1842	18614	89.02	88.66
15	29-Sep-92	443.7	2.11	471	5110		3157.5	3276	1401	0.00	1454	20067	88.16	87.77
16	06-Oct-92								1416	0.00	1245	21312	87.43	87.01
17	13-Oct-92	484	2.31	444	4210		2957.8	2142	1432	0.00	1037	22349	86.81	86.38
18	20-Oct-92								1719	0.00	1773	24122	85.77	85.30
19	27-Oct-92								1719	0.00	1773	25894	84.72	84.22
20	03-Nov-92								1719	0.00	1773	27667	83.68	83.14
21	10-Nov-92	474	2.18	460	5900		4231.6	5292	2006	0.00	2508	30175	82.20	81.61
22	17-Nov-92								1552	0.00	1734	31910	81.17	80.55
23	24-Nov-92	437.9	2.29	480	3990		2508.8	2193	1099	0.00	960	32870	80.61	79.97
24	01-Dec-92								1260	0.00	1321	34191	79.83	79.16
25	08-Dec-92	421	2.28	471	4720		3376.7	3993	1422	0.00	1681	35872	78.84	78.14
26	15-Dec-92								1243	0.00	1478	37350	77.96	77.24
27	22-Dec-92	398	2.48	438	4090		2673.9	3204	1064	0.00	1275	38625	77.21	76.46
28	29-Dec-92								904	0.00	1090	39715	76.57	75.80
29	05-Jan-93	403	2.81	408	3040		1845.9	2244	744	0.00	904	40619	76.04	75.25
Maximum		484	4.11	506	6220	0	5256.2	8785	2363	0.00	3980	40619	99.42	99.40
Minimum		398	2.11	316	802	0	38.7	459	17	0.00	204	986	76.04	75.25
Mean		441	2.84	427	3321	0	2076.5	2915	1061	0.00	1354	18489	89.09	88.73
Median		443	2.51	441	3745	0	2177.4	2219	1251	0.00	1260	19340	88.59	88.21
Mean Last 5 Weeks		427	2.41	451	4348	0	2927.4	3385	1255	0.00	1439	35703	78.94	78.24
75% Remaining (Wks)													31	30
50% Remaining (Wks)													61	59
25% Remaining (Wks)													90	87
0% Remaining (Wks)													119	116

** If measured sulphate, alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Worst Case Composite - Worst Case Net NP)

		Molar Ratios:					NP Consumption:										
								Total NP Consumption With Alkalinity Derived From:				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn)	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)
0	16-Jun-92			0.1538	0.688	0.3236	1027	1027	89.83	1027	89.83	706	93.01	332	96.71	1847	81.72
1	23-Jun-92			0.1802	0.778	0.3160	469	469	85.19	469	85.19	365	89.40	148	95.24	912	72.69
2	30-Jun-92			0.2304	0.947	0.3140	307	307	82.15	307	82.15	291	86.52	96	94.29	595	66.80
3	06-Jul-92			0.1781	0.776	0.2265	218	218	79.99	218	79.99	169	84.84	49	93.80	419	62.65
4	14-Jul-92			0.2809	1.140	0.3147	218	218	77.84	218	77.84	248	82.38	69	93.12	417	58.52
5	21-Jul-92			0.1833	0.839	0.2015	212	212	75.73	212	75.73	178	80.62	43	92.70	402	54.54
6	28-Jul-92			0.1560	0.905	0.1670	270	270	73.06	270	73.06	244	78.20	45	92.25	500	49.59
7	04-Aug-92			0.1531	0.838	0.1601	275	275	70.34	275	70.34	231	75.92	44	91.81	500	44.64
8	11-Aug-92			0.1069	0.654	0.1084	332	332	67.05	332	67.05	217	73.76	36	91.46	567	39.03
9	18-Aug-92			0.0649	0.403	0.0661	785	785	59.27	785	59.27	316	70.63	52	90.94	1086	28.27
10	25-Aug-92			0.0139	0.829	0.0142	4145	4145	18.23	4145	18.23	3438	36.60	59	90.36	6672	-37.78
11	01-Sep-92			0.0135	0.104	0.0162	3262	3262	-14.07	3262	-14.07	339	33.24	53	89.84	4238	-79.74
12	08-Sep-92			0.0101	0.093	0.0107	3422	3422	-47.94	3422	-47.94	318	30.10	37	89.48	4481	-124.10
13	15-Sep-92			0.0079	0.089	0.0083	2528	2528	-72.97	2528	-72.97	225	27.87	21	89.27	3235	-156.14
14	22-Sep-92			0.0118	0.119	0.0121	1919	1919	-91.97	1919	-91.97	228	25.62	23	89.04	1762	-173.59
15	29-Sep-92			0.0127	0.138	0.0130	1514	1514	-106.96	1514	-106.96	209	23.55	20	88.85	1627	-189.70
16	06-Oct-92						1297	1297	-119.81	1297	-119.81	246	21.12	22	88.63	1178	-201.36
17	13-Oct-92			0.0201	0.262	0.0221	1080	1080	-130.50	1080	-130.50	283	18.31	24	88.39	728	-208.57
18	20-Oct-92						1846	1846	-148.78	1846	-148.78	316	15.18	24	88.16	1974	-228.12
19	27-Oct-92						1846	1846	-167.06	1846	-167.06	316	12.06	24	87.92	1974	-247.66
20	03-Nov-92						1846	1846	-185.34	1846	-185.34	316	8.93	24	87.69	1974	-267.21
21	10-Nov-92			0.0083	0.133	0.0091	2613	2613	-211.21	2613	-211.21	348	5.48	24	87.45	3220	-299.09
22	17-Nov-92						1807	1807	-229.10	1807	-229.10	254	2.97	18	87.28	2061	-319.50
23	24-Nov-92			0.0115	0.159	0.0120	1000	1000	-239.00	1000	-239.00	159	1.40	12	87.16	902	-328.43
24	01-Dec-92						1376	1376	-252.63	1376	-252.63	195	-0.54	14	87.02	1491	-343.20
25	08-Dec-92			0.0085	0.132	0.0087	1751	1751	-269.96	1751	-269.96	232	-2.83	15	86.87	2081	-363.80
26	15-Dec-92						1540	1540	-285.21	1540	-285.21	244	-5.25	15	86.73	1837	-381.98
27	22-Dec-92			0.0086	0.193	0.0106	1328	1328	-298.36	1328	-298.36	256	-7.78	14	86.59	1592	-397.75
28	29-Dec-92						1135	1135	-309.60	1135	-309.60	236	-10.12	12	86.47	1366	-411.27
29	05-Jan-93			0.0094	0.230	0.0113	942	942	-318.93	942	-318.93	216	-12.27	11	86.36	1140	-422.56
Maximum		0.0000	0	0.2809	1.140	0.3236	4145	4145	89.83	4145	89.83	3438	93.01	332	96.71	6672	81.72
Minimum		0.0000	0	0.0079	0.089	0.0083	212	212	-318.93	212	-318.93	159	-12.27	11	86.36	402	-422.56
Mean		0.0000	0	0.0829	0.475	0.1066	1410	1410	-90.69	1410	-90.69	378	34.63	46	89.73	1759	-154.10
Median		0.0000	0	0.0170	0.333	0.0191	1313	1313	-99.47	1313	-99.47	247	24.59	24	88.94	1542	-181.64
Mean Last 5 Weeks		0.0000	0	0.0092	0.169	0.0103	1499	1499	-268.22	1499	-268.22	238	-3.21	15	86.88	1743	-363.06
75% Remaining (Wks)									6		6		8		107		1
50% Remaining (Wks)									10		10		10		277		6
25% Remaining (Wks)									10		10		15		446		10
0% Remaining (Wks)									11		11		24		616		10
								*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from									
								existing data and used to calculate Molar Ratio NP Consumption values.									

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Worst Case Composite - Worst Case Net NP)

		Dissolved Metals*:																								
		Silver	Aluminum	Arsenic	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Titanium	Vanadium	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Ti	D-V	D-Zn
		(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)
0	16-Jun-92	*0.0015*	23.46	0.18	0.008	0.095	*0.025*	152.4	0.043	0.015	0.063	2.024	139.6	*0.01*	316.4	15.47	0.018	193	0.065	1.06	2.65	*0.01*	6.76	0.012	*0.0025*	8.302
1	23-Jun-92	*0.0015*	3.38	0.03	0.03	0.031	0.11	75.2	0.018	0.005	0.012	0.053	10	*0.01*	148.6	9.515	0.024	65	0.039	0.41	1.81	0.12	6.08	*0.0025*	*0.0025*	3.265
2	30-Jun-92	0.003	2.64	0.09	0.047	0.022	*0.025*	64.9	0.012	0.008	0.065	0.085	6.2	*0.01*	120.3	7.539	0.01	27	0.014	*0.02*	1.16	0.09	3.32	*0.0025*	0.008	2.35
3	06-Jul-92	0.004	1.46	0.09	0.101	0.017	*0.025*	35.3	0.012	*0.0025*	0.005	0.131	8.39	*0.01*	70.6	4.448	0.015	11	0.023	0.5	0.71	0.03	3.24	*0.0025*	0.011	1.55
4	14-Jul-92	*0.0015*	0.7	*0.01*	0.051	0.007	*0.025*	57.9	0.005	*0.0025*	0.007	0.12	1.57	*0.01*	106.3	3.984	0.012	8	*0*	0.3	0.06	*0.01*	1.85	0.006	*0.0025*	0.668
5	21-Jul-92	*0.0015*	1.23	0.04	0.123	0.026	*0.02*	35.1	0.016	0.018	0.008	0.598	41.3	*0.005*	75	4.12	0.015	4	0.056	0.49	0.42	*0.01*	2.41	0.029	0.009	2.256
6	28-Jul-92	0.01	3.45	0.04	0.116	0.029	*0.02*	36.9	0.02	0.029	*0.0025*	0.577	22.55	0.02	105.7	5.994	0.009	3	0.065	0.14	0.6	0.09	2.06	0.027	0.003	2.982
7	04-Aug-92	0.008	1.38	0.03	0.075	0.032	*0.02*	38.2	0.041	0.021	0.018	0.815	36.3	*0.005*	102	5.68	0.022	2	*0.08*	0.65	0.53	0.04	1.95	0.021	0.019	3.875
8	11-Aug-92	0.006	6.86	0.04	0.057	0.031	*0.025*	30.9	0.023	0.006	*0.0025*	0.331	53.77	*0.01*	94.5	5.19	0.008	*0.5*	*0*	0.25	0.65	*0.01*	4.81	0.013	0.005	5.888
9	18-Aug-92	0.009	33.63	3.72	0.039	0.06	*0.025*	46.5	0.095	*0.0025*	0.153	1.273	310	*0.01*	144.5	8.018	0.019	1	0.061	2.92	0.26	0.05	7.34	0.163	0.02	20.8
10	25-Aug-92	0.021	78.97	24.18	0.028	0.081	0.12	51.1	0.281	0.067	0.272	2.925	1056	0.02	1810	9.646	0.027	1	0.084	5.73	0.3	*0.01*	11.85	0.098	0.018	62.84
11	01-Sep-92	0.007	95.85	40.72	0.008	0.068	*0.025*	40.6	0.767	0.118	0.161	3.154	1682	0.11	161.7	8.51	0.12	9	67.45	*0.02*	0.29	*0.01*	8.14	0.121	*0.0025*	107.2
12	08-Sep-92	0.005	86.12	33.99	0.351	0.052	0.12	30.8	0.475	0.076	0.227	2.685	1521	0.06	150.8	7.255	0.048	2	0.401	1.83	0.45	*0.01*	12.08	*0.0025*	0.015	104.3
13	15-Sep-92	*0.0015*	58.31	24.14	0.26	0.03	*0.025*	17.9	0.35	*0.0025*	0.075	1.756	1145	*0.01*	109.5	4.83	0.027	1	0.016	1.35	0.14	*0.01*	8.96	*0.0025*	*0.0025*	82.63
14	22-Sep-92	*0.0015*	57.79	21.39	0.273	0.028	*0.025*	19.9	0.407	0.043	0.09	1.579	1092	*0.01*	107.7	4.481	0.025	*0.5*	0.049	0.43	0.36	*0.01*	13.45	*0.0025*	*0.0025*	88.5
15	29-Sep-92	0.005	45.36	15.05	0.222	0.019	*0.025*	17.4	0.349	0.022	0.009	1.227	968	*0.01*	102.5	4.062	0.011	*0.5*	0.021	0.46	0.46	*0.01*	18.44	0.065	*0.0025*	84.12
16	06-Oct-92																									
17	13-Oct-92	*0.0015*	47	10.5	0.228	0.016	*0.025*	18	0.348	0.036	0.034	1.06	920	0.02	130	4.585	*0.001*	2	6.174	0.59	0.41	0.04	22.73	0.032	*0.0025*	85.82
18	20-Oct-92																									
19	27-Oct-92																									
20	03-Nov-92																									
21	10-Nov-92	*0.0015*	65	21.96	0.346	0.018	*0.025*	18.3	0.533	*0.0025*	0.005	1.391	1310	*0.01*	166	4.561	*0.001*	2	0.052		0.35	*0.01*	26.29	0.067	0.007	119.5
22	17-Nov-92																									
23	24-Nov-92	*0.0015*	31.3	14.21	0.211	0.011	*0.025*	10.5	0.247	*0.0025*	0.069	0.913	769	*0.01*	81	2.733	*0.001*	*0.5*	*0*	1.84	0.04	*0.01*	3.91	*0.0025*		60.3
24	01-Dec-92																									
25	08-Dec-92	0.005	54.23	23.84	0.02	0.012	*0.025*	14.1	0.364	0.045	0.051	1.103	1105	*0.01*	124.2	3.821	0.017	*0.5*	0.026	1.19	0.14	0.05	7.18	0.05	*0.0025*	81.93
26	15-Dec-92																									
27	22-Dec-92	0.011	55.23	10.42	0.306	0.01	*0.025*	11.5	0.29	0.011	0.049	0.695	952	*0.01*	148.2	3.604	*0.001*	3	0.16	0.42	0.33	*0.01*	1.02	0.007	0.014	66.69
28	29-Dec-92																									
29	05-Jan-93	0.006	40.26	2.43	0.228	0.009	*0.025*	8.8	0.153	0.1	0.102	0.336	690	*0.01*	124.3	2.856	*0.001*	2	0.064	0.68	0.14	*0.01*	1.32	0.006	0.013	42.19
Maximum		0.021	95.85	40.72	0.351	0.095	0.12	152.4	0.767	0.118	0.272	3.154	1682	0.11	1810	15.47	0.12	193	67.45	5.73	2.65	0.12	26.29	0.163	0.02	119.5
Minimum		0.0015	0.7	0.01	0.008	0.007	0.02	8.8	0.005	0.0025	0.0025	0.053	1.57	0.005	70.6	2.733	0.001	0.5	0.003	0.02	0.04	0.01	1.02	0.0025	0.0025	0.668
Mean		0.0052	36.07	11.23	0.142	0.032	0.037	37.8	0.220	0.0289	0.0673	1.129	629	0.018	204.5	5.950	0.020	15.4	3.405	1.01	0.56	0.03	7.963	0.0334	0.0078	47.18
Median		0.0045	36.95	7.07	0.109	0.027	0.025	33.0	0.200	0.0165	0.0500	0.987	730	0.010	122.3	4.708	0.015	2.0	0.054	0.50	0.39	0.01	6.420	0.0125	0.0050	51.25
Mean Last 5 Weeks		0.0050	49.20	14.57	0.222	0.012	0.025	12.6	0.317	0.0322	0.0552	0.888	965	0.010	128.7	3.515	0.004	1.6	0.061	1.03	0.20	0.02	7.944	0.0265	0.0091	74.12
75% Remaining (Wks)																										
50% Remaining (Wks)																										
25% Remaining (Wks)																										
0% Remaining (Wks)																										

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Worst Case Composite - Worst Case Net NP)

		Metal Leach Rates:																							
		Silver	Aluminum	Arsenic	Barium	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Mercury	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Titanium	Vanadium	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Ti	D-V	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	16-Jun-92	6.2E-04	9.74	7.5E-02	0.0033	0.0394	0.0104	63.2	0.0178	0.0062	0.0261	0.840	57.93	0.0042	131.3	6.42	7.5E-03	80.10	0.0270	0.44	1.100	0.0042	2.81	0.0050	0.0010	3.45
1	23-Jun-92	6.8E-04	1.52	1.4E-02	0.0135	0.0140	0.0495	33.8	0.0081	0.0023	0.0054	0.024	4.50	0.0045	66.9	4.28	1.1E-02	29.25	0.0176	0.18	0.815	0.0540	2.74	0.0011	0.0011	1.47
2	30-Jun-92	1.3E-03	1.15	3.9E-02	0.0205	0.0096	0.0109	28.4	0.0052	0.0035	0.0284	0.037	2.71	0.0044	52.6	3.29	4.4E-03	11.80	0.0061	0.01	0.507	0.0393	1.45	0.0011	0.0035	1.03
3	06-Jul-92	1.8E-03	0.64	4.0E-02	0.0445	0.0075	0.0110	15.5	0.0053	0.0011	0.0022	0.058	3.69	0.0044	31.1	1.96	6.6E-03	4.84	0.0101	0.22	0.313	0.0132	1.43	0.0011	0.0048	0.68
4	14-Jul-92	6.3E-04	0.30	4.2E-03	0.0216	0.0030	0.0106	24.5	0.0021	0.0011	0.0030	0.051	0.66	0.0042	45.0	1.69	5.1E-03	3.39	0.0011	0.13	0.025	0.0042	0.78	0.0025	0.0011	0.28
5	21-Jul-92	6.7E-04	0.55	1.8E-02	0.0547	0.0116	0.0089	15.6	0.0071	0.0080	0.0036	0.266	18.35	0.0022	33.3	1.83	6.7E-03	1.78	0.0249	0.22	0.187	0.0044	1.07	0.0129	0.0040	1.00
6	28-Jul-92	4.6E-03	1.58	1.8E-02	0.0530	0.0133	0.0091	16.9	0.0091	0.0133	0.0011	0.264	10.31	0.0091	48.3	2.74	4.1E-03	1.37	0.0297	0.06	0.274	0.0411	0.94	0.0123	0.0014	1.36
7	04-Aug-92	3.5E-03	0.61	1.3E-02	0.0332	0.0141	0.0088	16.9	0.0181	0.0093	0.0080	0.360	16.04	0.0022	45.1	2.51	9.7E-03	0.88	0.0358	0.29	0.234	0.0177	0.86	0.0093	0.0084	1.71
8	11-Aug-92	2.8E-03	3.16	1.8E-02	0.0262	0.0143	0.0115	14.2	0.0106	0.0028	0.0012	0.152	24.73	0.0046	43.5	2.39	3.7E-03	0.23	0.0012	0.12	0.299	0.0046	2.21	0.0060	0.0023	2.71
9	18-Aug-92	4.0E-03	14.76	1.6E+00	0.0171	0.0263	0.0110	20.4	0.0417	0.0011	0.0672	0.559	136.09	0.0044	63.4	3.52	8.3E-03	0.44	0.0268	1.28	0.114	0.0220	3.22	0.0716	0.0088	9.13
10	25-Aug-92	9.5E-03	35.77	1.1E+01	0.0127	0.0367	0.0544	23.1	0.1273	0.0304	0.1232	1.325	478.37	0.0091	819.9	4.37	1.2E-02	0.45	0.0381	2.60	0.136	0.0045	5.37	0.0444	0.0082	28.47
11	01-Sep-92	3.1E-03	41.79	1.8E+01	0.0035	0.0296	0.0109	17.7	0.3344	0.0514	0.0702	1.375	733.35	0.0480	70.5	3.71	5.2E-02	3.92	29.4082	0.01	0.126	0.0044	3.55	0.0528	0.0011	46.74
12	08-Sep-92	2.2E-03	38.71	1.5E+01	0.1578	0.0234	0.0539	13.8	0.2135	0.0342	0.1020	1.207	683.69	0.0270	67.8	3.26	2.2E-02	0.90	0.1802	0.82	0.202	0.0045	5.43	0.0011	0.0067	46.88
13	15-Sep-92	6.7E-04	26.12	1.1E+01	0.1165	0.0134	0.0112	8.0	0.1568	0.0011	0.0336	0.787	512.85	0.0045	49.0	2.16	1.2E-02	0.45	0.0072	0.60	0.063	0.0045	4.01	0.0011	0.0011	37.01
14	22-Sep-92	6.9E-04	26.40	9.8E+00	0.1247	0.0128	0.0114	9.1	0.1860	0.0196	0.0411	0.721	498.93	0.0046	49.2	2.05	1.1E-02	0.23	0.0224	0.20	0.164	0.0046	6.15	0.0011	0.0011	40.44
15	29-Sep-92	2.2E-03	20.13	6.7E+00	0.0985	0.0084	0.0111	7.7	0.1549	0.0098	0.0040	0.544	429.50	0.0044	45.5	1.80	4.9E-03	0.22	0.0093	0.20	0.204	0.0044	8.18	0.0288	0.0011	37.32
16	06-Oct-92																									
17	13-Oct-92	7.3E-04	22.75	5.1E+00	0.1104	0.0077	0.0121	8.7	0.1684	0.0174	0.0165	0.513	445.28	0.0097	62.9	2.22	4.8E-04	0.97	2.9882	0.29	0.198	0.0194	11.00	0.0155	0.0012	41.54
18	20-Oct-92																									
19	27-Oct-92																									
20	03-Nov-92																									
21	10-Nov-92	7.1E-04	30.81	1.0E+01	0.1640	0.0085	0.0119	8.7	0.2526	0.0012	0.0024	0.659	620.94	0.0047	78.7	2.16	4.7E-04	0.95	0.0246		0.166	0.0047	12.46	0.0318	0.0033	56.64
22	17-Nov-92																									
23	24-Nov-92	6.6E-04	13.71	6.2E+00	0.0924	0.0048	0.0109	4.6	0.1082	0.0011	0.0302	0.400	336.75	0.0044	35.5	1.20	4.4E-04	0.22	0.0011	0.81	0.018	0.0044	1.71	0.0011		26.41
24	01-Dec-92																									
25	08-Dec-92	2.1E-03	22.83	1.0E+01	0.0084	0.0051	0.0105	5.9	0.1532	0.0189	0.0215	0.464	465.21	0.0042	52.3	1.61	7.2E-03	0.21	0.0109	0.50	0.059	0.0211	3.02	0.0211	0.0011	34.49
26	15-Dec-92																									
27	22-Dec-92	4.4E-03	21.98	4.1E+00	0.1218	0.0040	0.0100	4.6	0.1154	0.0044	0.0195	0.277	378.90	0.0040	59.0	1.43	4.0E-04	1.19	0.0637	0.17	0.131	0.0040	0.41	0.0028	0.0056	26.54
28	29-Dec-92																									
29	05-Jan-93	2.4E-03	16.22	9.8E-01	0.0919	0.0036	0.0101	3.5	0.0617	0.0403	0.0411	0.135	278.07	0.0040	50.1	1.15	4.0E-04	0.81	0.0258	0.27	0.056	0.0040	0.53	0.0024	0.0052	17.00
Maximum		9.5E-03	41.79	1.8E+01	0.1640	0.0394	0.0544	63.2	0.3344	0.0514	0.1232	1.375	733.35	0.0480	819.9	6.42	5.2E-02	80.10	29.4082	2.60	1.100	0.0540	12.46	0.0716	0.0088	56.64
Minimum		6.2E-04	0.30	4.2E-03	0.0033	0.0030	0.0088	3.5	0.0021	0.0011	0.0011	0.024	0.66	0.0022	31.1	1.15	4.0E-04	0.21	0.0011	0.01	0.018	0.0040	0.41	0.0011	0.0010	0.28
Mean		2.3E-03	15.96	5.0E+00	0.0632	0.0141	0.0164	16.6	0.0981	0.0127	0.0296	0.501	278.95	0.0079	90.9	2.63	8.7E-03	6.57	1.4982	0.45	0.245	0.0131	3.61	0.0149	0.0034	21.01
Median		1.9E-03	15.49	2.9E+00	0.0487	0.0122	0.0110	14.9	0.0849	0.0071	0.0205	0.432	307.41	0.0044	51.2	2.19	6.6E-03	0.92	0.0248	0.22	0.176	0.0045	2.77	0.0055	0.0023	21.70
Mean Last 5 Weeks		2.1E-03	21.11	6.4E+00	0.0957	0.0052	0.0107	5.5	0.1382	0.0132	0.0229	0.387	415.97	0.0043	55.1	1.51	1.8E-03	0.68	0.0252	0.44	0.086	0.0076	3.63	0.0118	0.0038	32.22
75% Remaining (Wks)																										
50% Remaining (Wks)																										
25% Remaining (Wks)																										
0% Remaining (Wks)																										

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Worst Case Composite - Worst Case Net NP)

		Cumulative Metal Leach Rates:																								
		Silver	Aluminum	Arsenic	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silcon	Titanium	Vanadium	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Ti	D-V	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	16-Jun-92	6.2E-04	9.7	0.075	0.0033	0.039	0.010	63	0.018	0.0062	0.026	0.840	58	0.0042	131.3	6.4	0.007	80.1	0.027	0.44	1.10	0.0042	2.8	0.0050	0.0010	3
1	23-Jun-92	1.3E-03	11.3	0.088	0.0168	0.053	0.060	97	0.026	0.0085	0.032	0.864	62	0.0087	198.2	10.7	0.018	109.3	0.045	0.62	1.91	0.0582	5.5	0.0061	0.0022	5
2	30-Jun-92	2.6E-03	12.4	0.128	0.0374	0.063	0.071	125	0.031	0.0120	0.060	0.901	65	0.0130	250.7	14.0	0.023	121.1	0.051	0.63	2.42	0.0975	7.0	0.0072	0.0057	6
3	06-Jul-92	4.4E-03	13.1	0.167	0.0818	0.070	0.082	141	0.036	0.0131	0.062	0.959	69	0.0174	281.8	16.0	0.029	126.0	0.061	0.85	2.73	0.1107	8.4	0.0083	0.0105	7
4	14-Jul-92	5.0E-03	13.3	0.171	0.1034	0.073	0.092	165	0.039	0.0141	0.065	1.009	70	0.0217	326.8	17.6	0.034	129.4	0.062	0.98	2.76	0.1149	9.2	0.0108	0.0116	7
5	21-Jul-92	5.7E-03	13.9	0.189	0.1581	0.085	0.101	181	0.046	0.0221	0.069	1.275	88	0.0239	360.2	19.5	0.041	131.2	0.087	1.20	2.95	0.1194	10.3	0.0237	0.0156	8
6	28-Jul-92	1.0E-02	15.5	0.207	0.2111	0.098	0.110	198	0.055	0.0354	0.070	1.539	98	0.0330	408.5	22.2	0.045	132.5	0.116	1.26	3.22	0.1605	11.2	0.0361	0.0169	9
7	04-Aug-92	1.4E-02	16.1	0.221	0.2442	0.112	0.119	215	0.073	0.0447	0.078	1.899	114	0.0352	453.5	24.7	0.055	133.4	0.152	1.55	3.45	0.1782	12.1	0.0453	0.0253	11
8	11-Aug-92	1.7E-02	19.2	0.239	0.2705	0.127	0.131	229	0.084	0.0474	0.079	2.051	139	0.0398	497.0	27.1	0.059	133.6	0.153	1.66	3.75	0.1828	14.3	0.0513	0.0276	14
9	18-Aug-92	2.0E-02	34.0	1.872	0.2876	0.153	0.142	249	0.125	0.0485	0.146	2.610	275	0.0442	560.5	30.6	0.067	134.1	0.180	2.95	3.87	0.2047	17.5	0.1229	0.0364	23
10	25-Aug-92	3.0E-02	69.8	12.826	0.3003	0.190	0.196	273	0.253	0.0789	0.269	3.935	753	0.0533	1380.4	35.0	0.079	134.5	0.218	5.54	4.00	0.2093	22.9	0.1673	0.0446	51
11	01-Sep-92	3.3E-02	111.6	30.580	0.3038	0.219	0.207	290	0.587	0.1303	0.339	5.310	1487	0.1012	1450.9	38.7	0.131	138.5	29.626	5.55	4.13	0.2136	26.4	0.2200	0.0457	98
12	08-Sep-92	3.5E-02	150.3	45.858	0.4615	0.243	0.261	304	0.800	0.1645	0.442	6.517	2170	0.1282	1518.7	42.0	0.153	139.4	29.807	6.37	4.33	0.2181	31.9	0.2212	0.0524	145
13	15-Sep-92	3.6E-02	176.4	56.670	0.5780	0.256	0.272	312	0.957	0.1656	0.475	7.304	2683	0.1327	1567.7	44.1	0.165	139.8	29.814	6.98	4.39	0.2226	35.9	0.2223	0.0535	182
14	22-Sep-92	3.7E-02	202.8	66.444	0.7027	0.269	0.284	321	1.143	0.1852	0.516	8.025	3182	0.1373	1616.9	46.2	0.176	140.0	29.836	7.17	4.56	0.2272	42.0	0.2234	0.0547	222
15	29-Sep-92	3.9E-02	222.9	73.121	0.8012	0.277	0.295	329	1.298	0.1950	0.520	8.570	3612	0.1417	1662.4	48.0	0.181	140.2	29.846	7.38	4.76	0.2316	50.2	0.2523	0.0558	260
16	06-Oct-92	4.0E-02	244.4	79.001	0.9056	0.285	0.306	337	1.460	0.2086	0.530	9.098	4049	0.1488	1716.6	50.0	0.184	140.8	31.344	7.62	4.96	0.2435	59.8	0.2744	0.0569	299
17	13-Oct-92	4.1E-02	267.1	84.083	1.0160	0.293	0.318	346	1.628	0.2260	0.547	9.611	4494	0.1584	1779.5	52.2	0.185	141.8	34.333	7.91	5.16	0.2629	70.8	0.2899	0.0581	341
18	20-Oct-92	4.2E-02	293.9	91.829	1.1532	0.301	0.330	355	1.839	0.2353	0.556	10.198	5028	0.1656	1850.3	54.4	0.185	142.8	35.839	8.05	5.35	0.2749	82.5	0.3135	0.0604	390
19	27-Oct-92	4.3E-02	320.7	99.574	1.2904	0.309	0.342	363	2.049	0.2446	0.566	10.784	5561	0.1729	1921.1	56.6	0.185	143.7	37.345	8.19	5.63	0.2870	94.3	0.3372	0.0627	439
20	03-Nov-92	4.3E-02	347.4	107.320	1.4275	0.318	0.354	372	2.260	0.2539	0.575	11.370	6094	0.1801	1991.9	58.8	0.186	144.7	38.852	8.34	5.71	0.2990	106.0	0.3608	0.0649	488
21	10-Nov-92	4.2E-02	297.9	94.492	1.1800	0.302	0.330	355	1.881	0.2272	0.549	10.271	5115	0.1632	1858.2	54.4	0.185	142.8	34.357	7.91	5.33	0.2676	83.3	0.3217	0.0615	397
22	17-Nov-92	4.2E-02	320.2	102.808	1.3082	0.308	0.342	361	2.061	0.2284	0.566	10.800	5594	0.1677	1915.3	56.1	0.185	143.3	34.370	8.31	5.42	0.2722	90.3	0.3381	0.0631	439
23	24-Nov-92	4.3E-02	333.9	109.030	1.4006	0.313	0.353	366	2.169	0.2294	0.596	11.200	5931	0.1721	1950.8	57.3	0.186	143.6	34.371	9.12	5.44	0.2765	92.1	0.3392	0.0631	465
24	01-Dec-92	4.5E-02	352.2	117.160	1.4510	0.318	0.363	371	2.300	0.2395	0.622	11.632	6332	0.1764	1994.6	58.7	0.190	143.8	34.377	9.77	5.48	0.2892	94.4	0.3503	0.0636	496
25	08-Dec-92	4.7E-02	375.0	127.197	1.4594	0.323	0.374	377	2.453	0.2584	0.643	12.097	6797	0.1806	2046.9	60.3	0.197	144.0	34.388	10.27	5.54	0.3103	97.4	0.3713	0.0647	530
26	15-Dec-92	5.0E-02	397.4	134.289	1.5245	0.328	0.384	382	2.588	0.2701	0.664	12.467	7219	0.1847	2102.6	61.8	0.201	144.7	34.425	10.61	5.63	0.3228	99.2	0.3832	0.0680	561
27	22-Dec-92	5.4E-02	419.4	138.436	1.6463	0.332	0.394	387	2.703	0.2745	0.683	12.744	7598	0.1887	2161.5	63.2	0.201	145.9	34.489	10.77	5.76	0.3268	99.6	0.3860	0.0736	587
28	29-Dec-92	5.8E-02	438.5	140.999	1.7532	0.336	0.404	391	2.792	0.2968	0.713	12.950	7927	0.1927	2216.1	64.5	0.201	146.9	34.534	10.99	5.86	0.3308	100.0	0.3886	0.0790	609
29	05-Jan-93	6.0E-02	454.7	141.978	1.8450	0.339	0.414	394	2.853	0.3371	0.755	13.085	8205	0.1967	2266.2	65.7	0.202	147.7	34.560	11.27	5.91	0.3348	100.6	0.3910	0.0842	626
Maximum		6.0E-02	454.7	141.978	1.8450	0.339	0.414	394	2.853	0.3371	0.755	13.085	8205	0.1967	2266.2	65.7	0.202	147.7	38.852	11.27	5.91	0.3348	106.0	0.3910	0.0842	626
Minimum		6.2E-04	9.7	0.075	0.0033	0.039	0.010	63	0.018	0.0062	0.026	0.840	58	0.0042	131.3	6.4	0.007	80.1	0.027	0.44	1.10	0.0042	2.8	0.0050	0.0010	3
Mean		3.1E-02	198.5	61.902	0.7974	0.224	0.248	288	1.220	0.1567	0.394	7.064	3362	0.1128	1347.9	41.9	0.131	136.0	21.255	6.01	4.38	0.2217	52.6	0.2156	0.0461	257
Median		3.8E-02	212.9	69.782	0.7520	0.273	0.289	325	1.221	0.1901	0.518	8.297	3397	0.1395	1639.7	47.1	0.179	140.1	29.841	7.28	4.66	0.2294	46.1	0.2378	0.0552	241
Mean Last 5 Weeks		4.9E-02	376.6	122.932	1.5076	0.322	0.373	376	2.422	0.2624	0.643	11.916	6746	0.1803	2056.9	60.2	0.194	144.7	34.430	9.89	5.60	0.3035	95.2	0.3633	0.0690	523
75% Remaining (Wks)																										
50% Remaining (Wks)																										
25% Remaining (Wks)																										
0% Remaining (Wks)																										

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B10. Rhyolite Breccia - Mean Case Composite

Pre-Test ABA & ICP Metals Data Eskay Creek Rhyolite Breccia [Mean Case Composite (Mean Case Net NP)]		
Initial Sample Weight (dry g)		1000
ABA Results:		
Paste pH		5.2
% S (Total)		2.25
% SO4		0.05
% S (Sulphide)		2.21
TAP (tonne CaCO3/ktonne)		70
NP (tonne CaCO3/ktonne)		12.3
CO2 (%)		*0.1*
CaNP (t CaCO3/ktonne)		2
NNP (tonne CaCO3/ktonne)		-58
NP/AP		0.17
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	*Not Available*
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	
Chromium	Co	
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

Post-Test ABA & ICP Metals Data Eskay Creek Rhyolite Breccia [Mean Case Composite (Mean Case Net NP)]		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		*Not Available*
% S (Total)		
% SO4		
% S (Sulphide)		
TAP (tonne CaCO3/ktonne)		
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	*Not Available*
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	
Chromium	Co	
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown in italics, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Mean Case Composite - Mean Case Net NP)

		Analytical Results:									Sulphate Production:			
									Acidity Production	Alkalinity Production	SO4 Production	Cumulative SO4	Remaining	Remaining
						Alkalinity	Acidity		Production	Production	Production	SO4	Remaining	Remaining
Week No.	Date	Volume	pH	Redox	Conductivity	(CaCO3	(CaCO3	Sulphate	Rate	Rate	Rate	Production	S	S (Sulphide)
		(mL)	(pH units)	(mV)	(umohs/cm)	mg/L)*	mg/L)*	(SO4 mg/L)*	(mg/kg/wk)**	(mg/kg/wk)**	(mg/kg/wk)**	(mg/kg)	(% of original)	(% of original)
0	16-Jun-92	443	4.11	280	1590		48.4	1000	21	0.00	443	443	99.34	99.33
1	23-Jun-92	440	5.43	281	1362	3.2	5.4	840	2	1.41	370	813	98.80	98.77
2	30-Jun-92	443	4.2	271	1287		19.4	675	9	0.00	299	1112	98.35	98.32
3	06-Jul-92	462	5.06	275	1045	0.9	6.5	595	3	0.42	275	1387	97.95	97.91
4	14-Jul-92	438.9	4.57	318	980	3.1	6.1	572	3	1.36	251	1638	97.57	97.53
5	21-Jul-92	433.1	4.28	331	1037	*0.5*	16.6	594	7	0.22	257	1895	97.19	97.14
6	28-Jul-92	431	4.22	341	1033	*0.5*	19.1	662	8	0.22	285	2180	96.77	96.71
7	04-Aug-92	448	4.02	379	994	*0.5*	24.5	624	11	0.22	280	2460	96.36	96.29
8	11-Aug-92	458	4.05	354	831		21.2	594	10	0.00	272	2732	95.95	95.88
9	18-Aug-92	441	3.97	390	899		30.1	594	13	0.00	262	2994	95.56	95.48
10	25-Aug-92	445	3.93	383	937		33.7	594	15	0.00	264	3258	95.17	95.09
11	01-Sep-92	430	3.73	370	935		36.5	513	16	0.00	221	3479	94.85	94.75
12	08-Sep-92	451.2	3.27	446	957		69.2	554	31	0.00	250	3729	94.48	94.38
13	15-Sep-92	445.3	3.95	396	749		31.8	446	14	0.00	199	3927	94.18	94.08
14	22-Sep-92	458.7	3.77	388	750		40.6	419	19	0.00	192	4119	93.90	93.79
15	29-Sep-92	452.4	3.68	366	860		34.5	392	16	0.00	177	4297	93.63	93.52
16	06-Oct-92								22	0.00	199	4496	93.34	93.22
17	13-Oct-92	480	3.65	416	887		58.9	459	28	0.00	220	4716	93.01	92.89
18	20-Oct-92								31	0.00	230	4946	92.67	92.54
19	27-Oct-92	433	3.63	362	1073		79.9	554	35	0.00	240	5186	92.32	92.18
20	03-Nov-92								32	0.00	235	5420	91.97	91.82
21	10-Nov-92	447	3.61	374	1043		66.9	513	30	0.00	229	5650	91.63	91.48
22	17-Nov-92								34	0.00	216	5866	91.31	91.15
23	24-Nov-92	429.3	3.62	375	988		89.6	473	38	0.00	203	6069	91.01	90.85
24	01-Dec-92								34	0.00	221	6290	90.68	90.51
25	08-Dec-92	422.3	3.58	371	1176		70.6	567	30	0.00	239	6530	90.33	90.15
26	15-Dec-92								56	0.00	237	6767	89.98	89.79
27	22-Dec-92	392	3.44	385	1237		207.2	598	81	0.00	234	7001	89.63	89.44
28	29-Dec-92								61	0.00	252	7253	89.25	89.06
29	05-Jan-93	400	3.44	372	1139		103.8	676	42	0.00	270	7524	88.85	88.65
Maximum		480	5.43	446	1590	3.2	207.2	1000	81	1.41	443	7524	99.34	99.33
Minimum		392	3.27	271	749	0.5	5.4	392	2	0.00	177	443	88.85	88.65
Mean		440	3.97	358	1034	0.0	48.7	587	25	0.13	251	4139	93.87	93.76
Median		443	3.93	371	994	0.0	34.5	594	22	0.00	240	4208	93.77	93.65
Mean Last 5 Weeks		405	3.49	376	1184	0.0	127.2	614	54	0.00	247	7015	89.61	89.42
75% Remaining (Wks)													68	67
50% Remaining (Wks)													136	134
25% Remaining (Wks)													204	201
0% Remaining (Wks)													273	268

** If measured sulphate, alkalinity and/or acidity values were unavailable, data was extrapolated from existing data and used in subsequent equations.

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Mean Case Composite - Mean Case Net NP)

		Molar Ratios:					NP Consumption:										
								Total NP Consumption With Alkalinity Derived From:				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn)	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)***	(%)	(mg/kg/wk)	(%)
0	16-Jun-92			0.185	0.79	0.281	461	461	96.25	461	96.25	367	97.02	130	98.95	901	92.67
1	23-Jun-92	0.0037	239	0.211	0.88	0.278	385	388	93.10	386	93.11	338	94.27	107	98.08	768	86.43
2	30-Jun-92			0.254	0.93	0.297	311	311	90.56	311	90.57	290	91.91	92	97.33	614	81.44
3	06-Jul-92	0.0015	598	0.243	0.87	0.278	286	287	88.23	287	88.24	250	89.88	80	96.68	570	76.80
4	14-Jul-92	0.0052	82	0.260	0.43	0.293	262	264	86.08	263	86.11	112	88.97	77	96.05	520	72.57
5	21-Jul-92	0.0008	1174	0.263	0.95	0.271	268	268	83.90	268	83.93	256	86.89	72	95.46	529	68.27
6	28-Jul-92	0.0007	1283	0.247	0.94	0.253	297	298	81.48	297	81.51	279	84.62	75	94.85	586	63.51
7	04-Aug-92	0.0008	1311	0.274	1.02	0.281	291	292	79.11	291	79.14	296	82.21	82	94.19	571	58.86
8	11-Aug-92			0.203	0.80	0.206	283	283	76.80	283	76.83	227	80.36	58	93.71	557	54.33
9	18-Aug-92			0.223	0.89	0.234	273	273	74.58	273	74.62	244	78.38	64	93.20	532	50.00
10	25-Aug-92			0.210	0.88	0.213	275	275	72.35	275	72.38	242	76.41	59	92.72	536	45.65
11	01-Sep-92			0.243	1.01	0.251	230	230	70.48	230	70.51	232	74.53	58	92.25	444	42.04
12	08-Sep-92			0.174	0.81	0.176	260	260	68.36	260	68.39	210	72.82	46	91.88	490	38.06
13	15-Sep-92			0.183	0.88	0.185	207	207	66.68	207	66.71	181	71.35	38	91.57	400	34.81
14	22-Sep-92			0.180	0.86	0.183	200	200	65.05	200	65.08	172	69.95	37	91.27	382	31.71
15	29-Sep-92			0.202	0.97	0.205	185	185	63.55	185	63.58	179	68.50	38	90.96	354	28.83
16	06-Oct-92						207	207	61.87	207	61.90	212	66.78	45	90.60	392	25.64
17	13-Oct-92			0.214	1.07	0.223	230	230	60.00	230	60.03	246	64.78	51	90.18	431	22.14
18	20-Oct-92						240	240	58.05	240	58.08	255	62.71	56	89.72	448	18.50
19	27-Oct-92			0.245	1.05	0.247	250	250	56.02	250	56.05	263	60.57	62	89.22	465	14.72
20	03-Nov-92						244	244	54.03	244	54.06	253	58.51	57	88.76	456	11.01
21	10-Nov-92			0.216	1.01	0.218	239	239	52.09	239	52.12	242	56.55	52	88.34	448	7.36
22	17-Nov-92						225	225	50.26	225	50.29	224	54.73	50	87.93	416	3.98
23	24-Nov-92			0.225	0.97	0.227	212	212	48.54	212	48.57	205	53.06	48	87.54	385	0.85
24	01-Dec-92						230	230	46.67	230	46.70	230	51.19	50	87.13	427	-2.62
25	08-Dec-92			0.208	1.03	0.210	249	249	44.64	249	44.67	256	49.11	52	86.70	469	-6.43
26	15-Dec-92						247	247	42.63	247	42.66	252	47.06	50	86.30	438	-9.99
27	22-Dec-92			0.188	1.02	0.195	244	244	40.65	244	40.68	249	45.03	48	85.91	407	-13.30
28	29-Dec-92						263	263	38.51	263	38.54	252	42.98	50	85.51	464	-17.08
29	05-Jan-93			0.178	0.91	0.185	282	282	36.22	282	36.25	255	40.91	52	85.09	522	-21.32
Maximum		0.0052	1311	0.274	1.07	0.297	461	461	96.25	461	96.25	367	97.02	130	98.95	901	92.67
Minimum		0.0007	82	0.174	0.43	0.176	185	185	36.22	185	36.25	112	40.91	37	85.09	354	-21.32
Mean		0.0021	781	0.219	0.91	0.234	261	262	64.89	261	64.92	242	68.73	61	91.27	497	31.98
Median		0.0011	886	0.214	0.93	0.227	250	250	64.30	250	64.33	247	69.23	54	91.11	465	30.27
Mean Last 5 Weeks		0.0000	0	0.191	0.98	0.196	257	257	40.53	257	40.56	253	45.02	50	85.90	460	-13.62
75% Remaining (Wks)									9		9		11		55		4
50% Remaining (Wks)									23		23		25		116		10
25% Remaining (Wks)									35		35		38		177		17
0% Remaining (Wks)									47		47		50		238		24
								*** If measured data were not available to calculate molar ratios and feldspar molar ratios, data was extrapolated from existing data and used to calculate Molar Ratio NP Consumption values.									

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Mean Case Composite - Mean Case Net NP)

		Dissolved Metals*:																							
		Silver	Aluminum	Arsenic	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Titanium	Vanadium	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Ti	D-V	D-Zn
		(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)
0	16-Jun-92	*0.0015*	1.96	0.05	0.052	0.019	0.06	77	0.008	*0.0025*	*0.0025*	0.078	17.3	*0.01*	153.5	2.735	0.024	46	0.06	0.68	0.53	0.08	2.88	0.012	*0.0025*	0.613
1	23-Jun-92	0.006	0.44	0.02	0.043	0.005	*0.025*	73.9	*0*	*0.0025*	*0.0025*	0.012	0.5	*0.01*	140.8	3.869	0.01	27	0.032	0.23	0.04	*0.01*	1.84	0.013	*0.0025*	0.106
2	30-Jun-92	*0.0015*	1.67	*0.01*	0.058	0.002	*0.025*	71.4	*0*	*0.0025*	0.128	0.029	1.95	*0.01*	114.7	3.656	0.003	14	0.033	*0.02*	0.05	0.02	1.61	*0.0025*	0.005	0.119
3	06-Jul-92	*0.0015*	0.26	0.02	0.042	0.005	*0.025*	60.4	*0*	*0.0025*	*0.0025*	0.021	0.96	*0.01*	94	3.559	*0.001*	10	0.05	0.38	*0.01*	*0.01*	1.85	*0.0025*	*0.0025*	0.086
4	14-Jul-92	*0.0015*	0.3	*0.01*	0.036	0.002	*0.025*	62.1	0.002	0.006	*0.0025*	0.003	0.37	*0.01*	24.3	0.068	0.019	9	0.011	0.39	*0.01*	*0.01*	6.41	*0.0025*	*0.0025*	0.187
5	21-Jul-92	*0.0015*	1.36	*0.01*	0.122	0.02	*0.02*	65.3	0.004	0.006	0.006	0.052	13.8	*0.005*	103	3.02	0.003	2	0.038	0.26	0.03	*0.01*	1.43	0.023	*0.0025*	0.253
6	28-Jul-92	*0.0015*	0.52	0.03	0.124	0.01	*0.02*	68.1	0.011	0.011	*0.0025*	0.053	4.14	*0.005*	114.5	5.209	0.008	2	0.076	0.17	0.03	*0.01*	1.44	0.022	*0.001*	0.201
7	04-Aug-92	*0.0015*	1.32	*0.01*	0.069	0.012	*0.02*	71.3	0.019	0.009	0.007	0.365	4.2	*0.005*	116	5.29	0.016	2	0.056	0.31	0.08	0.03	1.52	0.026	0.006	0.142
8	11-Aug-92	*0.0015*	1.39	*0.01*	0.057	0.009	*0.025*	50.2	*0*	*0.0025*	*0.0025*	0.052	3.35	*0.01*	88.6	4.284	0.003	1	0.026	0.33	0.08	*0.01*	2.38	*0.0025*	*0.0025*	0.261
9	18-Aug-92	*0.0015*	2.21	0.02	0.045	0.012	*0.025*	55.3	0.009	0.006	0.006	0.108	7.3	*0.01*	99.4	4.987	0.01	3	1.114	0.57	0.02	*0.01*	2.78	0.005	0.005	0.33
10	25-Aug-92	0.003	2.25	0.2	0.028	0.012	*0.025*	52	0.007	*0.0025*	*0.0025*	0.103	9.3	*0.01*	99.2	4.847	0.002	1	0.058	1.41	0.04	*0.01*	2.51	0.005	0.012	0.26
11	01-Sep-92	0.028	2.3	0.36	0.036	0.013	*0.16*	52	0.018	0.031	0.038	0.091	12.84	0.02	98.1	4.88	0.024	2	0.145	*0.02*	0.12	0.02	2.52	0.026	0.019	0.221
12	08-Sep-92	0.003	2.11	0.3	0.047	0.011	0.06	40.2	0.06	*0.0025*	0.009	0.084	15.81	*0.01*	87.4	4.357	*0.001*	*0.5*	0.026	0.21	0.04	*0.01*	2.33	*0.0025*	0.005	1.105
13	15-Sep-92	*0.0015*	0.27	0.21	0.046	0.009	*0.025*	34	0.005	*0.0025*	*0.0025*	0.072	9.83	*0.01*	77.1	3.732	0.004	*0.5*	0.009	0.13	*0.01*	*0.01*	1.13	0.005	*0.0025*	0.245
14	22-Sep-92	*0.0015*	1.29	*0.01*	0.042	0.01	*0.025*	31.5	0.004	0.013	0.005	0.064	9.88	*0.01*	70.8	3.331	*0.001*	*0.5*	0.009	0.15	0.04	0.02	1.44	0.012	*0.0025*	0.231
15	29-Sep-92	*0.0015*	1.48	0.08	0.044	0.01	*0.025*	33.1	0.006	*0.0025*	*0.0025*	0.061	9.51	*0.01*	74.9	3.618	*0.001*	*0.5*	0.038	0.33	0.02	0.03	2.73	0.012	*0.0025*	0.222
16	06-Oct-92																									
17	13-Oct-92	0.003	3	0.13	0.049	0.012	*0.025*	41	0.012	*0.0025*	0.007	0.092	16	*0.01*	98	4.895	*0.001*	2	0.074	0.44	0.05	0.02	3.41	0.007	0.007	0.83
18	20-Oct-92																									
19	27-Oct-92	0.005	3.03	0.1	0.06	0.015	0.05	56.6	0.008	*0.0025*	0.007	0.239	18.9	*0.01*	111.9	5.592	0.005	*0.5*	0.04	0.58	0.09	*0.01*	1.68	0.024	0.013	0.33
20	03-Nov-92																									
21	10-Nov-92	*0.0015*	3.49	0.13	0.063	0.014	*0.025*	46.2	0.005	*0.0025*	0.01	0.113	16	*0.01*	102	4.99	0.003	*0.5*	0.065		0.05	*0.01*	1.39	0.045	0.008	0.445
22	17-Nov-92																									
23	24-Nov-92	*0.0025*	2.58	0.08	0.061	0.014	*0.025*	44.4	0.003	0.006	0.028	0.081	13.1	*0.01*	87.9	4.37	*0.001*	*0.5*	0.058	0.59	0.06	0.03	1.38	0.042	0.007	0.36
24	01-Dec-92																									
25	08-Dec-92	*0.0015*	3.06	0.17	0.004	0.001	0.08	49.3	0.018	*0.0025*	*0.0025*	0.095	20	*0.01*	115.6	5.632	0.005	*0.5*	0.045	0.28	0.06	*0.01*	0.59	0.006	*0.0025*	0.52
26	15-Dec-92																									
27	22-Dec-92	*0.0015*	5.09	0.08	0.077	0.017	*0.025*	46.8	0.005	*0.0025*	*0.0025*	0.094	23	*0.01*	124.3	5.743	0.003	2	0.066	0.31	0.05	*0.01*	0.1	0.019	0.012	0.6
28	29-Dec-92																									
29	05-Jan-93	*0.0015*	5.32	0.09	0.074	0.019	*0.025*	50.3	0.005	0.015	0.007	0.117	25	*0.01*	122.8	5.889	*0.001*	2	0.063	0.39	0.05	*0.01*	0.42	0.077	0.012	0.53
Maximum		0.028	5.32	0.36	0.124	0.02	0.16	77	0.06	0.031	0.128	0.365	25	0.02	153.5	5.889	0.024	46	1.114	1.41	0.53	0.08	6.41	0.077	0.019	1.105
Minimum		0.0015	0.26	0.01	0.004	0.001	0.02	31.5	0.001	0.0025	0.0025	0.003	0.37	0.005	24.3	0.068	0.001	0.5	0.009	0.02	0.01	0.01	0.1	0.0025	0.001	0.086
Mean		0.0032	2.03	0.09	0.056	0.011	0.037	53.6	0.009	0.0060	0.0124	0.090	11	0.010	100.8	4.285	0.006	5.6	0.095	0.37	0.07	0.02	1.990	0.0171	0.0060	0.36
Median		0.0015	1.96	0.08	0.049	0.012	0.025	52.0	0.005	0.0025	0.0050	0.081	10	0.010	99.4	4.370	0.003	2.0	0.050	0.32	0.05	0.01	1.680	0.0120	0.0050	0.26
Mean Last 5 Weeks		0.0015	4.49	0.11	0.052	0.012	0.043	48.8	0.009	0.0067	0.0040	0.102	23	0.010	120.9	5.755	0.003	1.5	0.058	0.33	0.05	0.01	0.370	0.0340	0.0088	0.55
75% Remaining (Wks)																										
50% Remaining (Wks)																										
25% Remaining (Wks)																										
0% Remaining (Wks)																										

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Mean Case Composite - Mean Case Net NP)

		Metal Leach Rates:																								
		Silver	Aluminum	Arsenic	Barium	Beryllium	Bismuth	Calcium	Cadmium	Cobalt	Chromium	Copper	Iron	Mercury	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Titanium	Vanadium	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Ti	D-V	D-Zn
		(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)
0	16-Jun-92	6.6E-04	0.87	0.0222	0.0230	8.4E-03	0.0266	34.1	3.5E-03	0.0011	0.0011	0.0346	7.66	0.0044	68.0	1.212	1.1E-02	20.38	0.0266	0.30	0.2348	0.0354	1.276	0.0053	1.1E-03	0.272
1	23-Jun-92	2.6E-03	0.19	0.0088	0.0189	2.2E-03	0.0110	32.5	4.4E-04	0.0011	0.0011	0.0053	0.22	0.0044	62.0	1.702	4.4E-03	11.88	0.0141	0.10	0.0176	0.0044	0.810	0.0057	1.1E-03	0.047
2	30-Jun-92	6.6E-04	0.74	0.0044	0.0257	8.9E-04	0.0111	31.6	4.4E-04	0.0011	0.0567	0.0128	0.86	0.0044	50.8	1.620	1.3E-03	6.20	0.0146	0.01	0.0222	0.0089	0.713	0.0011	2.2E-03	0.053
3	06-Jul-92	6.9E-04	0.12	0.0092	0.0194	2.3E-03	0.0116	27.9	4.6E-04	0.0012	0.0012	0.0097	0.44	0.0046	43.4	1.644	4.6E-04	4.62	0.0231	0.18	0.0046	0.0046	0.855	0.0012	1.2E-03	0.040
4	14-Jul-92	6.6E-04	0.13	0.0044	0.0158	8.8E-04	0.0110	27.3	8.8E-04	0.0026	0.0011	0.0013	0.16	0.0044	10.7	0.030	8.3E-03	3.95	0.0048	0.17	0.0044	0.0044	2.813	0.0011	1.1E-03	0.082
5	21-Jul-92	6.5E-04	0.59	0.0043	0.0528	8.7E-03	0.0087	28.3	1.7E-03	0.0026	0.0026	0.0225	5.98	0.0022	44.6	1.308	1.3E-03	0.87	0.0165	0.11	0.0130	0.0043	0.619	0.0100	1.1E-03	0.110
6	28-Jul-92	6.5E-04	0.22	0.0129	0.0534	4.3E-03	0.0086	29.4	4.7E-03	0.0047	0.0011	0.0228	1.78	0.0022	49.3	2.245	3.4E-03	0.86	0.0328	0.07	0.0129	0.0043	0.621	0.0095	4.3E-04	0.087
7	04-Aug-92	6.7E-04	0.59	0.0045	0.0309	5.4E-03	0.0090	31.9	8.5E-03	0.0040	0.0031	0.1635	1.88	0.0022	52.0	2.370	7.2E-03	0.90	0.0251	0.14	0.0358	0.0134	0.681	0.0116	2.7E-03	0.064
8	11-Aug-92	6.9E-04	0.64	0.0046	0.0261	4.1E-03	0.0115	23.0	4.6E-04	0.0011	0.0011	0.0238	1.53	0.0046	40.6	1.962	1.4E-03	0.46	0.0119	0.15	0.0366	0.0046	1.090	0.0011	1.1E-03	0.120
9	18-Aug-92	6.6E-04	0.97	0.0088	0.0198	5.3E-03	0.0110	24.4	4.0E-03	0.0026	0.0026	0.0476	3.22	0.0044	43.8	2.199	4.4E-03	1.32	0.4913	0.25	0.0088	0.0044	1.226	0.0022	2.2E-03	0.146
10	25-Aug-92	1.3E-03	1.00	0.0890	0.0125	5.3E-03	0.0111	23.1	3.1E-03	0.0011	0.0011	0.0458	4.14	0.0045	44.1	2.157	8.9E-04	0.45	0.0258	0.63	0.0178	0.0045	1.117	0.0022	5.3E-03	0.116
11	01-Sep-92	1.2E-02	0.99	0.1548	0.0155	5.6E-03	0.0688	22.4	7.7E-03	0.0133	0.0163	0.0391	5.52	0.0086	42.2	2.098	1.0E-02	0.86	0.0624	0.01	0.0516	0.0086	1.084	0.0112	8.2E-03	0.095
12	08-Sep-92	1.4E-03	0.95	0.1354	0.0212	5.0E-03	0.0271	18.1	2.7E-02	0.0011	0.0041	0.0379	7.13	0.0045	39.4	1.966	4.5E-04	0.23	0.0117	0.09	0.0180	0.0045	1.051	0.0011	2.3E-03	0.499
13	15-Sep-92	6.7E-04	0.12	0.0935	0.0205	4.0E-03	0.0111	15.1	2.2E-03	0.0011	0.0011	0.0321	4.38	0.0045	34.3	1.662	1.8E-03	0.22	0.0040	0.06	0.0045	0.0045	0.503	0.0022	1.1E-03	0.109
14	22-Sep-92	6.9E-04	0.59	0.0046	0.0193	4.6E-03	0.0115	14.4	1.8E-03	0.0060	0.0023	0.0294	4.53	0.0046	32.5	1.528	4.6E-04	0.23	0.0041	0.07	0.0183	0.0092	0.661	0.0055	1.1E-03	0.106
15	29-Sep-92	6.8E-04	0.67	0.0362	0.0199	4.5E-03	0.0113	15.0	2.7E-03	0.0011	0.0011	0.0276	4.30	0.0045	33.9	1.637	4.5E-04	0.23	0.0172	0.15	0.0090	0.0136	1.235	0.0054	1.1E-03	0.100
16	06-Oct-92																									
17	13-Oct-92	1.4E-03	1.44	0.0624	0.0235	5.8E-03	0.0120	19.7	5.8E-03	0.0012	0.0034	0.0442	7.68	0.0048	47.0	2.350	4.8E-04	0.96	0.0355	0.21	0.0240	0.0096	1.637	0.0034	3.4E-03	0.398
18	20-Oct-92																									
19	27-Oct-92	2.2E-03	1.31	0.0433	0.0260	6.5E-03	0.0217	24.5	3.5E-03	0.0011	0.0030	0.1035	8.18	0.0043	48.5	2.421	2.2E-03	0.22	0.0173	0.25	0.0390	0.0043	0.727	0.0104	5.6E-03	0.143
20	03-Nov-92																									
21	10-Nov-92	6.7E-04	1.56	0.0581	0.0282	6.3E-03	0.0112	20.7	2.2E-03	0.0011	0.0045	0.0505	7.15	0.0045	45.6	2.231	1.3E-03	0.22	0.0291		0.0224	0.0045	0.621	0.0201		0.199
22	17-Nov-92																									
23	24-Nov-92	1.1E-03	1.11	0.0343	0.0262	6.0E-03	0.0107	19.1	1.3E-03	0.0026	0.0120	0.0348	5.62	0.0043	37.7	1.876	4.3E-04	0.21	0.0249	0.25	0.0258	0.0129	0.592	0.0180	3.0E-03	0.155
24	01-Dec-92																									
25	08-Dec-92	6.3E-04	1.29	0.0718	0.0017	4.2E-04	0.0338	20.8	7.6E-03	0.0011	0.0011	0.0401	8.45	0.0042	48.8	2.378	2.1E-03	0.21	0.0190	0.12	0.0253	0.0042	0.249	0.0025	1.1E-03	0.220
26	15-Dec-92																									
27	22-Dec-92	5.9E-04	2.00	0.0314	0.0302	6.7E-03	0.0098	18.3	2.0E-03	0.0010	0.0010	0.0368	9.02	0.0039	48.7	2.251	1.2E-03	0.78	0.0259	0.12	0.0196	0.0039	0.039	0.0074	4.7E-03	0.235
28	29-Dec-92																									
29	05-Jan-93	6.0E-04	2.13	0.0360	0.0296	7.6E-03	0.0100	20.1	2.0E-03	0.0060	0.0028	0.0468	10.00	0.0040	49.1	2.356	4.0E-04	0.80	0.0252	0.16	0.0200	0.0040	0.168	0.0308	4.8E-03	0.212
Maximum		1.2E-02	2.13	0.1548	0.0534	8.7E-03	0.0688	34.1	2.7E-02	0.0133	0.0567	0.1635	10.00	0.0086	68.0	2.421	1.1E-02	20.38	0.4913	0.63	0.2348	0.0354	2.813	0.0308	8.2E-03	0.499
Minimum		5.9E-04	0.12	0.0043	0.0017	4.2E-04	0.0086	14.4	4.4E-04	0.0010	0.0010	0.0013	0.16	0.0022	10.7	0.030	4.0E-04	0.21	0.0040	0.01	0.0044	0.0039	0.039	0.0011	4.3E-04	0.040
Mean		1.4E-03	0.88	0.0406	0.0244	4.8E-03	0.0161	23.6	4.1E-03	0.0026	0.0055	0.0397	4.78	0.0043	44.2	1.878	2.8E-03	2.48	0.0419	0.16	0.0298	0.0077	0.886	0.0074	2.5E-03	0.157
Median		6.7E-04	0.87	0.0314	0.0230	5.3E-03	0.0111	23.0	2.2E-03	0.0011	0.0023	0.0348	4.53	0.0044	44.6	1.966	1.3E-03	0.80	0.0231	0.14	0.0196	0.0045	0.727	0.0054	1.7E-03	0.116
Mean Last 5 Weeks		6.1E-04	1.81	0.0464	0.0205	4.9E-03	0.0179	19.8	3.9E-03	0.0027	0.0016	0.0413	9.15	0.0040	48.9	2.328	1.2E-03	0.60	0.0234	0.13	0.0216	0.0040	0.152	0.0136	3.5E-03	0.222
75% Remaining (Wks)																										
50% Remaining (Wks)																										
25% Remaining (Wks)																										
0% Remaining (Wks)																										

** If values were reported as < detection limit, then 1/2 the detection limit is shown in Italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Rhyolite Breccia (Mean Case Composite - Mean Case Net NP)

		Cumulative Metal Leach Rates:																								
		Silver	Aluminum	Arsenic	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Titanium	Vanadium	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Ti	D-V	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	16-Jun-92	6.6E-04	0.87	0.022	0.023	0.0084	0.027	34	0.0035	0.0011	0.0011	0.035	7.7	0.0044	68.0	1.2	1.1E-02	20.38	0.027	0.30	0.235	0.0354	1.28	0.0053	0.0011	0.27
1	23-Jun-92	3.3E-03	1.06	0.031	0.042	0.0106	0.038	67	0.0040	0.0022	0.0022	0.040	7.9	0.0088	130.0	2.9	1.5E-02	32.26	0.041	0.40	0.252	0.0398	2.09	0.0110	0.0022	0.32
2	30-Jun-92	4.0E-03	1.80	0.035	0.068	0.0115	0.049	98	0.0044	0.0033	0.0589	0.053	8.7	0.0133	180.8	4.5	1.6E-02	38.46	0.055	0.41	0.275	0.0487	2.80	0.0121	0.0044	0.37
3	06-Jul-92	4.7E-03	1.92	0.045	0.087	0.0138	0.060	126	0.0049	0.0045	0.0601	0.062	9.2	0.0179	224.2	6.2	1.7E-02	43.08	0.078	0.59	0.279	0.0533	3.65	0.0133	0.0056	0.41
4	14-Jul-92	5.3E-03	2.05	0.049	0.103	0.0147	0.071	153	0.0058	0.0071	0.0612	0.064	9.4	0.0223	234.9	6.2	2.5E-02	47.03	0.083	0.76	0.284	0.0577	6.47	0.0144	0.0067	0.49
5	21-Jul-92	6.0E-03	2.64	0.053	0.156	0.0234	0.080	182	0.0075	0.0097	0.0638	0.086	15.3	0.0244	279.5	7.5	2.6E-02	47.90	0.100	0.87	0.297	0.0620	7.09	0.0244	0.0078	0.60
6	28-Jul-92	6.6E-03	2.87	0.066	0.209	0.0277	0.088	211	0.0122	0.0144	0.0648	0.109	17.1	0.0266	328.8	9.8	3.0E-02	48.76	0.132	0.94	0.309	0.0664	7.71	0.0338	0.0082	0.69
7	04-Aug-92	7.3E-03	3.46	0.071	0.240	0.0330	0.097	243	0.0208	0.0185	0.0680	0.273	19.0	0.0288	380.8	12.1	3.7E-02	49.65	0.158	1.08	0.345	0.0798	8.39	0.0455	0.0109	0.75
8	11-Aug-92	8.0E-03	4.09	0.075	0.266	0.0372	0.109	266	0.0212	0.0196	0.0691	0.296	20.5	0.0334	421.4	14.1	3.8E-02	50.11	0.169	1.23	0.382	0.0844	9.48	0.0466	0.0120	0.87
9	18-Aug-92	8.6E-03	5.07	0.084	0.286	0.0425	0.120	290	0.0252	0.0223	0.0718	0.344	23.7	0.0378	465.2	16.3	4.3E-02	51.44	0.661	1.49	0.391	0.0888	10.70	0.0488	0.0142	1.02
10	25-Aug-92	1.0E-02	6.07	0.173	0.298	0.0478	0.131	314	0.0283	0.0234	0.0729	0.390	27.9	0.0423	509.3	18.4	4.4E-02	51.88	0.687	2.11	0.409	0.0932	11.82	0.0511	0.0196	1.13
11	01-Sep-92	2.2E-02	7.06	0.328	0.314	0.0534	0.200	336	0.0360	0.0367	0.0892	0.429	33.4	0.0509	551.5	20.5	5.4E-02	52.74	0.749	2.12	0.460	0.1018	12.90	0.0622	0.0277	1.23
12	08-Sep-92	2.3E-02	8.01	0.463	0.335	0.0583	0.227	354	0.0631	0.0378	0.0933	0.467	40.5	0.0554	591.0	22.5	5.5E-02	52.97	0.761	2.22	0.478	0.1063	13.96	0.0634	0.0300	1.73
13	15-Sep-92	2.4E-02	8.13	0.557	0.356	0.0624	0.238	369	0.0653	0.0389	0.0944	0.499	44.9	0.0598	625.3	24.2	5.6E-02	53.19	0.765	2.27	0.483	0.1108	14.46	0.0656	0.0311	1.84
14	22-Sep-92	2.5E-02	8.72	0.561	0.375	0.0669	0.249	384	0.0672	0.0449	0.0967	0.528	49.5	0.0644	657.8	25.7	5.7E-02	53.42	0.769	2.34	0.501	0.1200	15.12	0.0711	0.0323	1.94
15	29-Sep-92	2.5E-02	9.39	0.598	0.395	0.0715	0.261	399	0.0699	0.0460	0.0978	0.556	53.8	0.0689	691.7	27.3	5.7E-02	53.64	0.786	2.49	0.510	0.1335	16.35	0.0765	0.0334	2.04
16	06-Oct-92	2.6E-02	10.45	0.647	0.417	0.0766	0.272	416	0.0741	0.0472	0.1001	0.592	59.7	0.0736	732.1	29.3	5.8E-02	54.24	0.812	2.67	0.527	0.1451	17.79	0.0809	0.0356	2.29
17	13-Oct-92	2.8E-02	11.89	0.709	0.440	0.0824	0.284	436	0.0799	0.0484	0.1034	0.636	67.4	0.0784	779.2	31.7	5.8E-02	55.20	0.848	2.88	0.551	0.1547	19.43	0.0843	0.0390	2.69
18	20-Oct-92	3.0E-02	1.38	0.053	0.025	0.0061	0.017	22	0.0046	0.0011	0.0032	0.074	7.9	0.0046	47.7	2.4	1.3E-03	0.59	0.026	0.23	0.031	0.0070	1.18	0.0069	0.0045	0.27
19	27-Oct-92	3.2E-02	2.69	0.096	0.051	0.0126	0.038	47	0.0081	0.0022	0.0062	0.177	16.1	0.0089	96.2	4.8	3.5E-03	0.80	0.044	0.48	0.070	0.0113	1.91	0.0173	0.0101	0.41
20	03-Nov-92	3.3E-02	1.44	0.051	0.027	0.0064	0.016	23	0.0028	0.0011	0.0038	0.077	7.7	0.0044	47.0	2.3	1.8E-03	0.22	0.023	0.13	0.031	0.0044	0.67	0.0153	0.0028	0.17
21	10-Nov-92	3.4E-02	3.00	0.109	0.055	0.0126	0.028	43	0.0051	0.0022	0.0082	0.128	14.8	0.0089	92.6	4.6	3.1E-03	0.44	0.052	0.13	0.053	0.0089	1.30	0.0354	0.0028	0.37
22	17-Nov-92	3.5E-02	1.33	0.046	0.027	0.0061	0.011	20	0.0018	0.0018	0.0082	0.043	6.4	0.0044	41.7	2.1	8.9E-04	0.22	0.027	0.13	0.024	0.0087	0.61	0.0191	0.0015	0.18
23	24-Nov-92	3.6E-02	2.44	0.081	0.053	0.0121	0.022	39	0.0030	0.0044	0.0203	0.077	12.0	0.0087	79.4	3.9	1.3E-03	0.43	0.052	0.38	0.050	0.0216	1.20	0.0371	0.0045	0.33
24	01-Dec-92	3.7E-02	1.20	0.053	0.014	0.0032	0.022	20	0.0044	0.0018	0.0065	0.037	7.0	0.0043	43.3	2.1	1.3E-03	0.21	0.022	0.19	0.026	0.0086	0.42	0.0103	0.0020	0.19
25	08-Dec-92	3.7E-02	2.49	0.125	0.016	0.0036	0.056	41	0.0120	0.0029	0.0076	0.078	15.5	0.0085	92.1	4.5	3.4E-03	0.42	0.041	0.30	0.051	0.0128	0.67	0.0128	0.0031	0.41
26	15-Dec-92	3.8E-02	1.64	0.052	0.016	0.0035	0.022	20	0.0048	0.0010	0.0010	0.038	8.7	0.0041	48.8	2.3	1.6E-03	0.50	0.022	0.12	0.022	0.0041	0.14	0.0050	0.0029	0.23
27	22-Dec-92	3.9E-02	3.64	0.083	0.046	0.0102	0.032	38	0.0067	0.0020	0.0020	0.075	17.7	0.0080	97.5	4.6	2.8E-03	1.28	0.048	0.24	0.042	0.0080	0.18	0.0124	0.0076	0.46
28	29-Dec-92	3.9E-02	2.06	0.034	0.030	0.0071	0.010	19	0.0020	0.0035	0.0019	0.042	9.5	0.0040	48.9	2.3	7.9E-04	0.79	0.026	0.14	0.020	0.0040	0.10	0.0191	0.0048	0.22
29	05-Jan-93	4.0E-02	4.19	0.070	0.059	0.0147	0.020	39	0.0040	0.0095	0.0047	0.089	19.5	0.0080	98.0	4.7	1.2E-03	1.59	0.051	0.29	0.040	0.0080	0.27	0.0499	0.0096	0.44
Maximum		4.0E-02	11.89	0.709	0.440	0.0824	0.284	436	0.0799	0.0484	0.1034	0.636	67.4	0.0784	779.2	31.7	5.8E-02	55.20	0.848	2.88	0.551	0.1547	19.43	0.0843	0.0390	2.69
Minimum		6.6E-04	0.87	0.022	0.014	0.0032	0.010	19	0.0018	0.0010	0.0010	0.035	6.4	0.0040	41.7	1.2	7.9E-04	0.21	0.022	0.12	0.020	0.0040	0.10	0.0050	0.0011	0.17
Mean		2.2E-02	4.10	0.181	0.161	0.0280	0.097	168	0.0218	0.0153	0.0447	0.213	22.0	0.0263	289.5	10.7	2.4E-02	28.79	0.270	1.00	0.248	0.0563	6.34	0.0350	0.0126	0.81
Median		2.5E-02	2.78	0.073	0.077	0.0143	0.058	112	0.0071	0.0058	0.0595	0.087	15.8	0.0156	202.5	5.5	1.7E-02	40.77	0.067	0.53	0.277	0.0510	3.23	0.0291	0.0077	0.45
Mean Last 5 Weeks		3.9E-02	2.81	0.073	0.033	0.0079	0.028	31	0.0059	0.0038	0.0034	0.064	14.2	0.0065	77.1	3.7	2.0E-03	0.92	0.038	0.22	0.035	0.0074	0.27	0.0199	0.0056	0.35
75% Remaining (Wks)																										
50% Remaining (Wks)																										
25% Remaining (Wks)																										
0% Remaining (Wks)																										

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B11. Ore - Type 1

Pre-Test ABA & ICP Metals Data Eskay Creek Ore - Type 1		
Initial Sample Weight (dry g)		740
ABA Results:		
Paste pH		
% S (Total)		5.27
% SO4		0.25
% S (Sulphide)		5.19
TAP (tonne CaCO3/ktonne)		165
NP (tonne CaCO3/ktonne)		74.2
CO2 (%)		
CaNP (t CaCO3/ktonne)		0
NNP (tonne CaCO3/ktonne)		-90
NP/AP		0.45
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

Post-Test ABA & ICP Metals Data Eskay Creek Ore - Type 1		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		
TAP (tonne CaCO3/ktonne)		*Not*
NP (tonne CaCO3/ktonne)		*Available*
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
v	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown in italics, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Ore Type 1

		Analytical Results:									Sulphate Production:			
									Acidity Production	Alkalinity Production	SO4 Production	Cumulative SO4	Remaining	Remaining
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)	Sulphate (SO4 mg/L)*	Rate (mg/kg/wk)	Rate (mg/kg/wk)	Rate (mg/kg/wk)	Production (mg/kg)	S (% of original)	S (Sulphide) (% of original)
0	01-Dec-92	316	3.52	351	4220		495	2772	211.4	0.0	1184	1184	99.25	99.24
1	08-Dec-92	501	6.69	304	2680	14	14	1898	9.5	9.5	1285	2469	98.44	98.41
2	15-Dec-92	476.1	6.49	268	2020	38	16	1534	10.3	24.4	987	3456	97.81	97.78
3	21-Dec-92	467	6.86	353	1930	35	11	1222	6.9	22.1	771	4227	97.33	97.28
4	29-Dec-92	470.7	6.62	388	1691	46	10	1014	6.4	29.3	645	4872	96.92	96.87
5	05-Jan-93	483	6.86	320	1620	47	10	1008	6.5	30.7	658	5530	96.50	96.45
6	12-Jan-93	484	6.42	305	1588	54	12	945	7.8	35.3	618	6148	96.11	96.05
7	19-Jan-93	472.5	6.03	280	1667	25	20	1066	12.8	16.0	681	6828	95.68	95.61
8	26-Jan-93	493.3	6.88	191	1590	54	20	882	13.3	36.0	588	7416	95.31	95.23
9	02-Feb-93	463.7	6.48	378	1745	27	39	1092	24.4	16.9	684	8101	94.88	94.79
10	09-Feb-93	465.8	6.89	368	1475	52	21	806	13.2	32.7	507	8608	94.56	94.47
11	16-Feb-93	478	6.63	270	1670	28	33	1144	21.3	18.1	739	9347	94.09	93.99
12	23-Feb-93	456	6.86	293	1487	42	15	1092	9.2	25.9	673	10020	93.66	93.56
13	02-Mar-93	452	7.33	298	1141	28	16	882	9.8	17.1	539	10559	93.32	93.21
14	09-Mar-93	420.5	6.28	235	1708	4	53	1323	30.1	2.3	752	11310	92.85	92.73
15	16-Mar-93	404	5.47	229	2330	*0.05*	65	1836	35.5	0.0	1002	12313	92.21	92.09
16	23-Mar-93	478.2	6.76	209	2050	57	29	1326	18.7	36.8	857	13170	91.67	91.54
17	30-Mar-93	469	7.01	193	1837	51	14	1118	8.9	32.3	709	13878	91.22	91.08
Maximum		501	7.33	388	4220	57	495	2772	211.4	36.8	1285	13878	99.25	99.24
Minimum		316	3.52	191	1141	0.05	10	806	6.4	0.0	507	1184	91.22	91.08
Mean		458	6.45	291	1914	35.4	50	1276	25.3	21.4	771	7746	95.10	95.02
Median		470	6.66	296	1700	38.0	18	1105	11.5	23.3	696	7759	95.09	95.01
Mean Last 5 Weeks		445	6.57	233	1813	28.0	35	1297	20.6	17.7	772	12246	92.25	92.13
75% Remaining (Wks)													50	49
50% Remaining (Wks)													101	100
25% Remaining (Wks)													152	150
0% Remaining (Wks)													204	200

** if values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 1

		Molar Ratios:					NP Consumption:										
								Total NP Consumption With Alkalinity Derived From:				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)
0	01-Dec-92	0.0000		0.370	1.05	0.373	1233	1233	98.34	1233	98.34	1292	98.26	460	99.38	2255	96.96
1	08-Dec-92	0.0071	129.8	0.595	0.94	0.596	1339	1357	96.51	1348	96.52	1255	96.57	797	98.31	2668	93.37
2	15-Dec-92	0.0238	35.3	0.592	0.86	0.595	1028	1077	95.06	1053	95.10	879	95.38	612	97.48	2046	90.61
3	21-Dec-92	0.0275	35.4	0.783	0.99	0.786	803	847	93.92	825	93.99	796	94.31	632	96.63	1600	88.45
4	29-Dec-92	0.0435	23.0	0.836	1.02	0.837	672	730	92.93	701	93.05	685	93.39	562	95.87	1337	86.65
5	05-Jan-93	0.0447	21.3	0.820	0.97	0.824	685	747	91.92	716	92.08	664	92.49	565	95.11	1364	84.81
6	12-Jan-93	0.0548	16.4	0.800	0.91	0.801	644	714	90.96	679	91.17	588	91.70	516	94.42	1280	83.09
7	19-Jan-93	0.0225	44.3	0.836	1.02	0.842	709	741	89.96	725	90.19	721	90.73	597	93.61	1405	81.19
8	26-Jan-93	0.0588	18.5	0.960	1.10	0.961	612	684	89.04	648	89.31	674	89.82	589	92.82	1212	79.56
9	02-Feb-93	0.0237	42.1	0.853	1.02	0.854	713	747	88.03	730	88.33	725	88.84	609	92.00	1401	77.67
10	09-Feb-93	0.0619	17.8	0.989	1.12	0.990	528	594	87.23	561	87.57	590	88.05	523	91.29	1044	76.27
11	16-Feb-93	0.0235	38.6	0.802	0.92	0.803	770	806	86.15	788	86.51	709	87.09	618	90.46	1518	74.22
12	23-Feb-93	0.0369	23.1	0.748	0.87	0.749	701	753	85.13	727	85.53	608	86.27	525	89.75	1393	72.34
13	02-Mar-93	0.0305	24.6	0.682	0.76	0.683	561	595	84.33	578	84.75	424	85.70	383	89.23	1113	70.84
14	09-Mar-93	0.0029	273.8	0.612	0.81	0.613	783	788	83.27	785	83.70	638	84.84	480	88.59	1536	68.77
15	16-Mar-93	0.0000	32600.5	0.524	0.88	0.524	1044	1044	81.86	1044	82.29	921	83.60	548	87.85	2053	66.01
16	23-Mar-93	0.0413	24.2	0.710	1.02	0.710	893	966	80.56	929	81.04	912	82.37	634	87.00	1766	63.63
17	30-Mar-93	0.0438	23.2	0.815	1.03	0.821	738	803	79.48	770	80.00	762	81.34	606	86.18	1467	61.65
Maximum		0.0619	32600.5	0.989	1.12	0.990	1339	1357	98.34	1348	98.34	1292	98.26	797	99.38	2668	96.96
Minimum		0.0000	16.4	0.370	0.76	0.373	528	594	79.48	561	80.00	424	81.34	383	86.18	1044	61.65
Mean		0.0304	1964.2	0.740	0.96	0.742	803	846	88.59	825	88.86	769	89.49	570	92.55	1581	78.67
Median		0.0290	24.6	0.791	0.98	0.793	725	770	88.54	750	88.82	715	89.33	577	92.41	1436	78.62
Mean Last 5 Weeks		0.0237	6589.3	0.668	0.90	0.670	804	839	81.90	822	82.35	731	83.57	530	87.77	1587	66.18
75% Remaining (Wks)									21		22		23		33		11
50% Remaining (Wks)									43		44		49		68		22
25% Remaining (Wks)									65		67		74		103		34
0% Remaining (Wks)									87		89		100		138		46

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 1

		Dissolved Metals*:																													
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Silcon	Strontium	Titanium	Vanadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(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)
0	01-Dec-92	0.014	23.31	0.06		0.213	0.02	*0.025*	428.3	0.553	0.927	0.035	1.778	93.32	*0.01*	0.032	456.2	65.8	*0.001*	4	7.802	0.07	2.94	0.19	0.65	0.926	0.041	*0.0025*	*0.01*	99.4
1	08-Dec-92	*0.0015*	1.73	*0.01*	7.63	0.152	0.013	*0.025*	471.2	0.098	0.097	*0.0025*	0.059	0.41	0.06	*0.0025*	155.5	30.14	*0.001*	*0.5*	0.881	0.21	0.87	0.03	2.32	1.764	0.053	*0.0025*	*0.01*	5.61
2	15-Dec-92	0.012	*0.005*	*0.01*	4.51	0.107	0.003	*0.025*	379.2	0.062	*0.0025*	*0.0025*	0.042	1.6	*0.01*	*0.0025*	95.5	21.07	*0.001*	2	0.415	*0.02*	0.39	0.1	3.06	1.846	0.034	*0.0025*	*0.01*	2.59
3	21-Dec-92	*0.0015*	0.12	0.05	3.86	0.09	*0.0005*	*0.025*	399.1	0.042	0.061	0.013	0.029	1.13	*0.01*	0.013	58.6	18.51	*0.001*	2	0.52	0.38	0.58	0.17	2.67	1.381	0.122	*0.0025*	*0.01*	3.79
4	29-Dec-92	0.007	*0.005*	0.12	3.22	0.069	0.001	*0.025*	353.5	0.047	0.053	0.017	0.029	0.01	*0.01*	0.018	42.8	14.5	*0.001*	*0.5*	0.366	0.06	0.46	0.21	2.47	1.311	0.027	*0.0025*	*0.01*	2.27
5	05-Jan-93	*0.0015*	1.2	0.13	3.15	0.091	0.001	*0.025*	344.9	0.011	0.02	0.008	0.039	0.39	*0.01*	*0.0025*	34.2	11.37	*0.001*	2	0.246	0.3	0.15	0.2	2.12	1.33	0.036	*0.0025*	0.07	1.57
6	12-Jan-93	*0.0015*	*0.005*	*0.01*	4.59	0.07	0.002	*0.025*	315.3	0.012	0.007	*0.0025*	0.026	0.83	*0.01*	0.007	24.3	8.55	*0.001*	*0.5*	0.166	0.19	0.11	0.21	2.32	1.157	0.042	*0.0025*	*0.01*	1.32
7	19-Jan-93	*0.0015*	4.07	*0.01*	3.54	0.109	*0.0005*	0.07	372	0.054	0.134	0.006	0.11	2.02	*0.01*	0.02	43.4	18.12	*0.001*	3	0.837	0.6	0.48	0.13	1.02	0.992	0.032	0.011	*0.01*	5.91
8	26-Jan-93	*0.0015*	0.45	*0.01*	2.58	0.088	*0.0005*	0.025	353.3	0.025	0.009	*0.0025*	0.042	1.02	*0.01*	*0.0025*	27.8	11.73	*0.001*	*0.5*	0.318	0.06	0.16	0.04	1.98	1.129	0.022	*0.0025*	*0.01*	2.1
9	02-Feb-93	0.006	1.22	*0.01*	3.75	0.08	0.004	0.025	388.6	0.066	0.164	0.015	0.104	0.79	*0.01*	0.008	40.2	16.57	*0.001*	*0.5*	0.808	0.64	0.52	*0.01*	2.09	0.994	*0.0025*	*0.0025*	*0.01*	6.39
10	09-Feb-93	0.006	1.44	*0.01*	2.45	0.07	0.001	0.025	332.6	0.015	0.015	*0.0025*	0.043	1.33	*0.01*	0.006	23.3	8.59	*0.001*	*0.5*	0.186	0.6	0.19	*0.01*	1.66	0.866	0.078	*0.0025*	*0.01*	1.53
11	16-Feb-93	0.006	0.92	*0.01*	3.46	0.07	0.001	0.025	382.9	0.04	0.056	*0.0025*	0.063	0.21	*0.01*	*0.0025*	30.1	13.77	*0.001*	*0.5*	0.506	*0.02*	0.43	0.04	1.74	0.96	*0.0475*	*0.0025*	*0.01*	4.38
12	23-Feb-93	0.006	1.64	*0.01*	4	0.076	0.004	0.025	340.8	0.019	0.088	*0.0025*	0.069	0.87	*0.01*	0.009	29.3	12.1	*0.001*	*0.5*	0.412	*0.02*	0.25	0.12	1.82	0.781	0.031	*0.0025*	*0.01*	4.02
13	02-Mar-93	*0.0015*	1.55	0.02	2.68	0.061	0.003	0.025	251	0.005	0.027	*0.0025*	0.025	0.19	*0.01*	*0.0025*	14.8	5.71	*0.001*	*0.5*	0.115	*0.02*	0.09	0.11	0.8	0.559	*0.0025*	*0.0025*	*0.01*	1.15
14	09-Mar-93	*0.0015*	0.69	0.03	3.99	0.079	0.001	0.025	337.7	0.095	0.294	*0.0025*	0.353	1.73	*0.01*	0.028	61.2	23.4	*0.001*	*0.5*	1.476	0.74	1.76	0.03	1.42	0.428	0.049	0.011	0.03	13.61
15	16-Mar-93	0.01	0.59	0.02	6.18	0.104	0.002	0.025	401.3	0.189	0.576	*0.0025*	0.996	0.98	*0.01*	0.017	152.5	47.9	0.008	*0.5*	2.838	0.53	2.52	0.02	2.19	0.35	*0.0025*	0.014	0.07	29.39
16	23-Mar-93	*0.0015*	0.32	0.05	6.03	0.094	0.001	0.025	392.6	0.045	0.128	*0.0025*	0.08	1.47	0.03	0.019	96.9	25.9	0.004	*0.5*	0.877	0.52	0.32	0.05	1.23	1.404	0.064	*0.0025*	*0.01*	5.9
17	30-Mar-93	*0.0015*	0.13	0.03	5.14	0.064	*0.0005*	0.025	380.2	0.022	0.057	*0.0025*	0.049	0.1	*0.01*	0.006	56.7	14.9	*0.001*	3	0.426	0.32	0.25	0.04	0.98	1.178	0.007	*0.0025*	*0.01*	3.11
Maximum		0.014	23.31	0.13	7.63	0.213	0.02	0.07	471.2	0.553	0.927	0.035	1.778	93.32	0.06	0.032	456.2	65.8	0.008	4	7.802	0.74	2.94	0.21	3.06	1.846	0.122	0.014	0.07	99.4
Minimum		0.0015	0.005	0.01	2.45	0.061	0.0005	0.025	251	0.005	0.0025	0.0025	0.025	0.01	0.01	0.0025	14.8	5.71	0.001	0.5	0.115	0.02	0.09	0.01	0.65	0.35	0.0025	0.0025	0.01	1.15
Mean		0.0046	2.189	0.03	4.16	0.094	0.0033	0.028	368.0	0.078	0.1509	0.0069	0.219	6.02	0.01	0.011	80.2	20.48	0.002	1.2	1.066	0.29	0.69	0.10	1.81	1.08	0.0385	0.0041	0.02	10.78
Median		0.0015	0.805	0.02	3.86	0.084	0.0010	0.025	375.6	0.044	0.0590	0.0025	0.054	0.93	0.01	0.0075	43.1	15.74	0.001	0.5	0.466	0.26	0.41	0.08	1.90	1.06	0.0350	0.0025	0.01	3.91
Mean Last 5 Weeks		0.0032	0.656	0.03	4.80	0.080	0.0015	0.025	352.6	0.071	0.2164	0.0025	0.301	0.89	0.01	0.0145	76.4	23.56	0.003	1.0	1.146	0.43	0.99	0.05	1.32	0.78	0.0250	0.0065	0.03	10.63
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 1

Metal Leach Rates:

Week No.	Date	Silver D-Ag (mg/kg/wk)	Aluminum D-Al (mg/kg/wk)	Arsenic D-As (mg/kg/wk)	Boron D-B (mg/kg/wk)	Barium D-Ba (mg/kg/wk)	Beryllium D-Be (mg/kg/wk)	Bismuth D-Bi (mg/kg/wk)	Calcium D-Ca (mg/kg/wk)	Cadmium D-Cd (mg/kg/wk)	Cobalt D-Co (mg/kg/wk)	Chromium D-Cr (mg/kg/wk)	Copper D-Cu (mg/kg/wk)	Iron D-Fe (mg/kg/wk)	Mercury D-Hg (mg/kg/wk)
0	01-Dec-92	6.0E-03	9.9540	0.0256		0.091	8.5E-03	0.011	183	0.2361	0.3959	0.0149	0.759	39.8502	0.0043
1	08-Dec-92	1.0E-03	1.1713	0.0068	5.17	0.103	8.8E-03	0.017	319	0.0663	0.0657	0.0017	0.040	0.2776	0.0406
2	15-Dec-92	7.7E-03	0.0032	0.0064	2.90	0.069	1.9E-03	0.016	244	0.0399	0.0016	0.0016	0.027	1.0294	0.0064
3	21-Dec-92	9.5E-04	0.0757	0.0316	2.44	0.057	3.2E-04	0.016	252	0.0265	0.0385	0.0082	0.018	0.7131	0.0063
4	29-Dec-92	4.5E-03	0.0032	0.0763	2.05	0.044	6.4E-04	0.016	225	0.0299	0.0337	0.0108	0.018	0.0064	0.0064
5	05-Jan-93	9.8E-04	0.7832	0.0849	2.06	0.059	6.5E-04	0.016	225	0.0072	0.0131	0.0052	0.025	0.2546	0.0065
6	12-Jan-93	9.8E-04	0.0033	0.0065	3.00	0.046	1.3E-03	0.016	206	0.0078	0.0046	0.0016	0.017	0.5429	0.0065
7	19-Jan-93	9.6E-04	2.5988	0.0064	2.26	0.070	3.2E-04	0.045	238	0.0345	0.0856	0.0038	0.070	1.2898	0.0064
8	26-Jan-93	1.0E-03	0.3000	0.0067	1.72	0.059	3.3E-04	0.017	236	0.0167	0.0060	0.0017	0.028	0.6800	0.0067
9	02-Feb-93	3.8E-03	0.7645	0.0063	2.35	0.050	2.5E-03	0.016	244	0.0414	0.1028	0.0094	0.065	0.4950	0.0063
10	09-Feb-93	3.8E-03	0.9064	0.0063	1.54	0.044	6.3E-04	0.016	209	0.0094	0.0094	0.0016	0.027	0.8372	0.0063
11	16-Feb-93	3.9E-03	0.5943	0.0065	2.23	0.045	6.5E-04	0.016	247	0.0258	0.0362	0.0016	0.041	0.1356	0.0065
12	23-Feb-93	3.7E-03	1.0106	0.0062	2.46	0.047	2.5E-03	0.015	210	0.0117	0.0542	0.0015	0.043	0.5361	0.0062
13	02-Mar-93	9.2E-04	0.9468	0.0122	1.64	0.037	1.8E-03	0.015	153	0.0031	0.0165	0.0015	0.015	0.1161	0.0061
14	09-Mar-93	8.5E-04	0.3921	0.0170	2.27	0.045	5.7E-04	0.014	192	0.0540	0.1671	0.0014	0.201	0.9831	0.0057
15	16-Mar-93	5.5E-03	0.3221	0.0109	3.37	0.057	1.1E-03	0.014	219	0.1032	0.3145	0.0014	0.544	0.5350	0.0055
16	23-Mar-93	9.7E-04	0.2068	0.0323	3.90	0.061	6.5E-04	0.016	254	0.0291	0.0827	0.0016	0.052	0.9499	0.0194
17	30-Mar-93	9.5E-04	0.0824	0.0190	3.26	0.041	3.2E-04	0.016	241	0.0139	0.0361	0.0016	0.031	0.0634	0.0063
Maximum		7.7E-03	9.9540	0.0849	5.17	0.103	8.8E-03	0.045	319	0.2361	0.3959	0.0149	0.759	39.8502	0.0406
Minimum		8.5E-04	0.0032	0.0062	1.54	0.037	3.2E-04	0.011	153	0.0031	0.0016	0.0014	0.015	0.0064	0.0043
Mean		2.7E-03	1.1177	0.0204	2.62	0.057	1.9E-03	0.017	228	0.0420	0.0813	0.0040	0.112	2.7386	0.0088
Median		1.0E-03	0.4932	0.0088	2.35	0.053	6.5E-04	0.016	230	0.0278	0.0373	0.0016	0.036	0.5395	0.0063
Mean Last 5 Weeks		1.8E-03	0.3900	0.0183	2.89	0.048	8.9E-04	0.015	212	0.0406	0.1234	0.0015	0.168	0.5295	0.0086
75% Remaining (Wks)															
50% Remaining (Wks)															
25% Remaining (Wks)															
0% Remaining (Wks)															

Week No.	Date	Lanthanum D-La (mg/kg/wk)	Magnesium D-Mg (mg/kg/wk)	Manganese D-Mn (mg/kg/wk)	Molybdenum D-Mo (mg/kg/wk)	Sodium D-Na (mg/kg/wk)	Nickel D-Ni (mg/kg/wk)	Phosphorus D-P (mg/kg/wk)	Lead D-Pb (mg/kg/wk)	Antimony D-Sb (mg/kg/wk)	Silicon D-Si (mg/kg/wk)	Strontium D-Sr (mg/kg/wk)	Titanium D-Ti (mg/kg/wk)	Vanadium D-V (mg/kg/wk)	Tungsten D-W (mg/kg/wk)	Zinc D-Zn (mg/kg/wk)
0	01-Dec-92	0.0137	194.8	28.1	4.3E-04	1.71	3.332	0.030	1.255	0.0811	0.278	0.395	0.0175	0.0011	0.0043	42.45
1	08-Dec-92	0.0017	105.3	20.4	6.8E-04	0.34	0.596	0.142	0.589	0.0203	1.571	1.194	0.0359	0.0017	0.0068	3.80
2	15-Dec-92	0.0016	61.4	13.6	6.4E-04	1.29	0.267	0.013	0.251	0.0643	1.969	1.188	0.0219	0.0016	0.0064	1.67
3	21-Dec-92	0.0082	37.0	11.7	6.3E-04	1.26	0.328	0.240	0.366	0.1073	1.685	0.872	0.0770	0.0016	0.0063	2.39
4	29-Dec-92	0.0114	27.2	9.2	6.4E-04	0.32	0.233	0.038	0.293	0.1336	1.571	0.834	0.0172	0.0016	0.0064	1.44
5	05-Jan-93	0.0016	22.3	7.4	6.5E-04	1.31	0.161	0.196	0.098	0.1305	1.384	0.868	0.0235	0.0016	0.0457	1.02
6	12-Jan-93	0.0046	15.9	5.6	6.5E-04	0.33	0.109	0.124	0.072	0.1374	1.517	0.757	0.0275	0.0016	0.0065	0.86
7	19-Jan-93	0.0128	27.7	11.6	6.4E-04	1.92	0.534	0.383	0.306	0.0830	0.651	0.633	0.0204	0.0070	0.0064	3.77
8	26-Jan-93	0.0017	18.5	7.8	6.7E-04	0.33	0.212	0.040	0.107	0.0267	1.320	0.753	0.0147	0.0017	0.0067	1.40
9	02-Feb-93	0.0050	25.2	10.4	6.3E-04	0.31	0.506	0.401	0.326	0.0063	1.310	0.623	0.0016	0.0016	0.0063	4.00
10	09-Feb-93	0.0038	14.7	5.4	6.3E-04	0.31	0.117	0.378	0.120	0.0063	1.045	0.545	0.0491	0.0016	0.0063	0.96
11	16-Feb-93	0.0016	19.4	8.9	6.5E-04	0.32	0.327	0.013	0.278	0.0258	1.124	0.620	0.0307	0.0016	0.0065	2.83
12	23-Feb-93	0.0055	18.1	7.5	6.2E-04	0.31	0.254	0.012	0.154	0.0739	1.122	0.481	0.0191	0.0015	0.0062	2.48
13	02-Mar-93	0.0015	9.0	3.5	6.1E-04	0.31	0.070	0.012	0.055	0.0672	0.489	0.341	0.0015	0.0015	0.0061	0.70
14	09-Mar-93	0.0159	34.8	13.3	5.7E-04	0.28	0.839	0.421	1.000	0.0170	0.807	0.243	0.0278	0.0063	0.0170	7.73
15	16-Mar-93	0.0093	83.3	26.2	4.4E-03	0.27	1.549	0.289	1.376	0.0109	1.196	0.191	0.0014	0.0076	0.0382	16.05
16	23-Mar-93	0.0123	62.6	16.7	2.6E-03	0.32	0.567	0.336	0.207	0.0323	0.795	0.907	0.0414	0.0016	0.0065	3.81
17	30-Mar-93	0.0038	35.9	9.4	6.3E-04	1.90	0.270	0.203	0.158	0.0254	0.621	0.747	0.0044	0.0016	0.0063	1.97
Maximum		0.0159	194.8	28.1	4.4E-03	1.92	3.332	0.421	1.376	0.1374	1.97	1.194	0.0770	0.0076	0.0457	42.45
Minimum		0.0015	9.0	3.5	4.3E-04	0.27	0.070	0.012	0.055	0.0063	0.28	0.191	0.0014	0.0011	0.0043	0.70
Mean		0.0064	45.2	12.0	9.4E-04	0.73	0.571	0.182	0.389	0.0583	1.14	0.677	0.0240	0.0025	0.0108	5.52
Median		0.0048	27.5	9.9	6.4E-04	0.33	0.298	0.169	0.264	0.0483	1.16	0.690	0.0212	0.0016	0.0064	2.43
Mean Last 5 Weeks		0.0086	45.1	13.8	1.8E-03	0.62	0.659	0.252	0.559	0.0306	0.78	0.486	0.0153	0.0037	0.0148	6.05
75% Remaining (Wks)																
50% Remaining (Wks)																
25% Remaining (Wks)																
0% Remaining (Wks)																

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 1

		Cumulative Metal Leach Rates:																												
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Strontium	Titanium	Vanadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	01-Dec-92	0.0060	10.0	0.026	0.0	0.091	0.0085	0.011	183	0.236	0.40	0.015	0.76	39.9	0.0043	0.014	195	28	4.3E-04	1.7	3.3	0.030	1.26	0.081	0.28	0.40	0.018	0.0011	0.0043	42.4
1	08-Dec-92	0.0070	11.1	0.032	5.2	0.194	0.0173	0.028	502	0.302	0.46	0.017	0.80	40.1	0.0449	0.015	300	49	1.1E-03	2.0	3.9	0.172	1.84	0.101	1.85	1.59	0.053	0.0028	0.0110	46.2
2	15-Dec-92	0.0147	11.1	0.039	8.1	0.263	0.0193	0.044	746	0.342	0.46	0.018	0.83	41.2	0.0513	0.017	362	62	1.7E-03	3.3	4.2	0.185	2.10	0.166	3.82	2.78	0.075	0.0044	0.0175	47.9
3	21-Dec-92	0.0157	11.2	0.070	10.5	0.320	0.0196	0.059	998	0.369	0.50	0.026	0.84	41.9	0.0576	0.025	399	74	2.4E-03	4.6	4.5	0.425	2.46	0.273	5.50	3.65	0.152	0.0059	0.0238	50.3
4	29-Dec-92	0.0201	11.2	0.147	12.6	0.363	0.0202	0.075	1223	0.399	0.54	0.037	0.86	41.9	0.0640	0.037	426	83	3.0E-03	4.9	4.8	0.463	2.75	0.407	7.07	4.48	0.169	0.0075	0.0301	51.7
5	05-Jan-93	0.0211	12.0	0.232	14.6	0.423	0.0209	0.092	1448	0.406	0.55	0.042	0.89	42.1	0.0705	0.038	448	90	3.7E-03	6.2	4.9	0.659	2.85	0.537	8.46	5.35	0.193	0.0092	0.0758	52.8
6	12-Jan-93	0.0221	12.0	0.238	17.6	0.469	0.0222	0.108	1654	0.414	0.55	0.044	0.91	42.7	0.0771	0.043	464	96	4.3E-03	6.5	5.0	0.783	2.92	0.675	9.97	6.11	0.220	0.0108	0.0824	53.6
7	19-Jan-93	0.0230	14.6	0.244	19.9	0.538	0.0225	0.153	1891	0.448	0.64	0.048	0.98	44.0	0.0835	0.056	492	108	5.0E-03	8.5	5.6	1.166	3.23	0.758	10.63	6.74	0.241	0.0178	0.0888	57.4
8	26-Jan-93	0.0240	14.9	0.251	21.6	0.597	0.0228	0.169	2127	0.465	0.64	0.050	1.00	44.6	0.0901	0.057	510	115	5.6E-03	8.8	5.8	1.206	3.34	0.784	11.95	7.49	0.255	0.0195	0.0954	58.8
9	02-Feb-93	0.0278	15.7	0.257	23.9	0.647	0.0253	0.185	2370	0.506	0.75	0.059	1.07	45.1	0.0964	0.062	535	126	6.3E-03	9.1	6.3	1.607	3.66	0.790	13.26	8.12	0.257	0.0211	0.1017	62.8
10	09-Feb-93	0.0316	16.6	0.264	25.5	0.691	0.0260	0.201	2580	0.516	0.76	0.061	1.10	46.0	0.1027	0.066	550	131	6.9E-03	9.4	6.4	1.985	3.78	0.797	14.30	8.66	0.306	0.0226	0.1080	63.8
11	16-Feb-93	0.0354	17.2	0.270	27.7	0.736	0.0266	0.217	2827	0.542	0.79	0.062	1.14	46.1	0.1091	0.068	569	140	7.5E-03	9.7	6.7	1.998	4.06	0.823	15.42	9.28	0.337	0.0242	0.1144	66.6
12	23-Feb-93	0.0391	18.2	0.276	30.2	0.783	0.0291	0.232	3037	0.553	0.85	0.064	1.18	46.6	0.1153	0.073	588	148	8.1E-03	10.1	7.0	2.010	4.21	0.897	16.55	9.76	0.356	0.0258	0.1206	69.1
13	02-Mar-93	0.0401	19.1	0.289	31.8	0.820	0.0309	0.248	3190	0.556	0.86	0.065	1.19	46.8	0.1214	0.075	597	151	8.8E-03	10.4	7.0	2.022	4.27	0.964	17.03	10.10	0.357	0.0273	0.1267	69.8
14	09-Mar-93	0.0409	19.5	0.306	34.1	0.865	0.0315	0.262	3382	0.610	1.03	0.067	1.39	47.7	0.1271	0.091	631	164	9.3E-03	10.6	7.9	2.443	5.27	0.981	17.84	10.35	0.385	0.0336	0.1438	77.5
15	16-Mar-93	0.0464	19.8	0.317	37.5	0.922	0.0326	0.275	3601	0.714	1.35	0.068	1.94	48.3	0.1325	0.100	715	190	1.4E-02	10.9	9.4	2.732	6.65	0.992	19.04	10.54	0.387	0.0412	0.1820	93.6
16	23-Mar-93	0.0473	20.0	0.349	41.4	0.983	0.0332	0.292	3855	0.743	1.43	0.070	1.99	49.2	0.1519	0.112	777	207	1.6E-02	11.2	10.0	3.068	6.85	1.024	19.83	11.45	0.428	0.0428	0.1884	97.4
17	30-Mar-93	0.0483	20.1	0.368	44.6	1.023	0.0335	0.307	4096	0.757	1.46	0.071	2.02	49.3	0.1583	0.116	813	217	1.7E-02	13.1	10.3	3.271	7.01	1.049	20.45	12.19	0.432	0.0444	0.1948	99.3
Maximum		0.0483	20.1	0.368	44.6	1.023	0.0335	0.307	4096	0.757	1.46	0.071	2.02	49.3	0.1583	0.116	813	217	1.7E-02	13.1	10.3	3.271	7.01	1.049	20.45	12.19	0.432	0.0444	0.1948	99.3
Minimum		0.0060	10.0	0.026	0.0	0.091	0.0085	0.011	183	0.236	0.40	0.015	0.76	39.9	0.0043	0.014	195	28	4.3E-04	1.7	3.3	0.030	1.26	0.081	0.28	0.40	0.018	0.0011	0.0043	42.4
Mean		0.0284	15.2	0.221	22.6	0.596	0.0246	0.164	2206	0.493	0.78	0.049	1.16	44.6	0.0921	0.059	521	121	6.7E-03	7.8	6.3	1.457	3.81	0.672	11.85	7.17	0.257	0.0201	0.0950	64.5
Median		0.0259	15.3	0.254	22.8	0.622	0.0241	0.177	2249	0.486	0.70	0.054	1.04	44.9	0.0932	0.060	523	121	5.9E-03	9.0	6.0	1.407	3.50	0.787	12.60	7.81	0.256	0.0203	0.0986	60.8
Mean Last 5 Weeks		0.0446	19.7	0.325	37.9	0.923	0.0323	0.277	3625	0.676	1.23	0.068	1.71	48.3	0.1383	0.099	707	186	1.3E-02	11.3	8.9	2.707	6.01	1.002	18.84	10.93	0.398	0.0379	0.1671	87.5
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B12. Ore - Type 2

Pre-Test ABA & ICP Metals Data Eskay Creek Ore - Type 2		
Initial Sample Weight (dry g)		746
ABA Results:		
Paste pH		
% S (Total)		8.54
% SO4		0.15
% S (Sulphide)		8.49
TAP (tonne CaCO3/ktonne)		267
NP (tonne CaCO3/ktonne)		81.8
CO2 (%)		
CaNP (t CaCO3/ktonne)		0
NNP (tonne CaCO3/ktonne)		-185
NP/AP		0.31
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not Available*
Chromium	Co	
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

Post-Test ABA & ICP Metals Data Eskay Creek Ore - Type 2		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		
TAP (tonne CaCO3/ktonne)		*Not Available*
NP (tonne CaCO3/ktonne)		
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not Available*
Chromium	Co	
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown in italics, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Ore Type 2

		Analytical Results:									Sulphate Production:			
Week No.	Date	Volume (mL)	pH (pH units)	Redox (mV)	Conductivity (umohs/cm)	Alkalinity (CaCO3 mg/L)*	Acidity (CaCO3 mg/L)*	Sulphate (SO4 mg/L)*	Acidity Production Rate (mg/kg/wk)	Alkalinity Production Rate (mg/kg/wk)	SO4 Production Rate (mg/kg/wk)	Cumulative SO4 Production (mg/kg)	Remaining S (% of original)	Remaining S (Sulphide) (% of original)
0	01-Dec-92	320.2	2.08	352	6230	*0.05*	972	2016	417.2	0.021	865	865	99.66	99.66
1	08-Dec-92	492.2	6.58	287	2450	10	26	1794	17.2	6.598	1184	2049	99.20	99.20
2	15-Dec-92	443.8	6.15	308	1117	7	16	572	9.5	4.164	340	2389	99.07	99.06
3	21-Dec-92	459	6.67	394	1351	10	31	1040	19.1	6.153	640	3029	98.82	98.81
4	29-Dec-92	441.2	6.61	393	1456	9	36	806	21.3	5.323	477	3506	98.63	98.62
5	05-Jan-93	430	6.08	339	1318	4	39	798	22.5	2.306	460	3966	98.45	98.44
6	12-Jan-93	450	6.11	327	1304	12	38	924	22.9	7.239	557	4523	98.23	98.22
7	19-Jan-93	448.7	5.88	284	1159	15	39	598	23.5	9.022	360	4883	98.09	98.08
8	26-Jan-93	439.6	6.48	211	1413	6	43	756	25.3	2.946	445	5328	97.92	97.91
9	02-Feb-93	439.6	6.39	385	1080	6	72	546	42.4	3.536	322	5650	97.79	97.78
10	09-Feb-93	445.5	6.63	364	1058	6	70	520	41.8	3.583	311	5961	97.67	97.66
11	16-Feb-93	436.2	6.51	272	1104	5	81	728	47.4	2.924	426	6386	97.51	97.49
12	23-Feb-93	439.2	6.74	293	890	6	68	650	40.0	3.532	383	6769	97.36	97.34
13	02-Mar-93	452	6.75	310	895	13	76	546	46.0	7.877	331	7100	97.23	97.21
14	09-Mar-93	466	6.63	257	849	8	63	483	39.4	4.997	302	7402	97.11	97.09
15	16-Mar-93	466	6.77	236	886	11	28	486	17.5	6.871	304	7705	96.99	96.97
16	23-Mar-93	478.5	6.84	208	848	13	25	365	16.0	8.338	234	7939	96.90	96.88
17	30-Mar-93	423.8	6.54	204	814	10	16	526	9.1	5.681	299	8238	96.78	96.77
Maximum		492.2	6.84	394	6230	15	972	2016	417.2	9.022	1184	8238	99.66	99.66
Minimum		320.2	2.08	204	814	0.05	16	365	9.1	0.021	234	865	96.78	96.77
Mean		442.9	6.25	301	1457	8.3	97	786	48.8	5.062	458	5205	97.97	97.96
Median		444.7	6.56	301	1111	8.5	39	624	23.2	5.160	371	5489	97.86	97.84
Mean Last 5 Weeks		457.3	6.71	243	858	11.0	42	481	25.6	6.753	294	7677	97.00	96.99
75% Remaining (Wks)													207	205
50% Remaining (Wks)													424	422
25% Remaining (Wks)													642	638
0% Remaining (Wks)													860	855

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 2

		Molar Ratios:					NP Consumption:										
								Total NP Consumption With Alkalinity Derived From:				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)
0	01-Dec-92	2.4E-05	35108	0.392	0.85	0.398	901	901	98.90	901	98.90	766	99.06	359	99.56	1386	98.31
1	08-Dec-92	5.3E-03	159	0.562	0.86	0.562	1233	1246	97.37	1240	97.38	1067	97.76	694	98.71	2449	95.31
2	15-Dec-92	1.2E-02	94	0.756	1.12	0.760	354	363	96.93	359	96.94	399	97.27	269	98.38	699	94.46
3	21-Dec-92	9.2E-03	80	0.552	0.76	0.556	667	679	96.10	673	96.12	503	96.66	371	97.93	1314	92.85
4	29-Dec-92	1.1E-02	93	0.766	1.01	0.768	497	507	95.48	502	95.51	503	96.04	381	97.47	972	91.66
5	05-Jan-93	4.8E-03	194	0.724	0.95	0.732	479	484	94.89	481	94.92	457	95.48	351	97.04	936	90.52
6	12-Jan-93	1.2E-02	59	0.586	0.74	0.587	581	595	94.16	588	94.20	432	94.95	341	96.62	1138	89.13
7	19-Jan-93	2.4E-02	46	0.918	1.13	0.929	375	393	93.68	384	93.73	424	94.44	348	96.19	726	88.24
8	26-Jan-93	6.3E-03	156	0.832	1.00	0.834	464	470	93.11	467	93.16	465	93.87	387	95.72	903	87.14
9	02-Feb-93	1.1E-02	104	0.906	1.11	0.908	335	342	92.69	339	92.75	372	93.41	304	95.35	628	86.37
10	09-Feb-93	1.1E-02	99	0.923	1.11	0.925	323	331	92.29	327	92.35	359	92.97	299	94.98	605	85.63
11	16-Feb-93	6.6E-03	124	0.681	0.82	0.682	443	449	91.74	446	91.80	366	92.53	303	94.61	839	84.60
12	23-Feb-93	8.9E-03	85	0.625	0.76	0.627	399	406	91.24	402	91.31	303	92.16	250	94.31	757	83.68
13	02-Mar-93	2.3E-02	37	0.700	0.85	0.702	345	360	90.80	352	90.88	294	91.80	242	94.01	643	82.89
14	09-Mar-93	1.6E-02	58	0.775	0.93	0.777	314	324	90.40	319	90.49	293	91.44	244	93.71	589	82.17
15	16-Mar-93	2.2E-02	46	0.847	1.00	0.849	316	330	90.00	323	90.09	317	91.05	268	93.39	615	81.42
16	23-Mar-93	3.4E-02	33	0.969	1.13	0.972	244	261	89.68	252	89.79	276	90.71	237	93.10	472	80.84
17	30-Mar-93	1.8E-02	42	0.661	0.78	0.663	311	323	89.29	317	89.40	244	90.42	206	92.84	613	80.09
Maximum		3.4E-02	35108	0.969	1.13	0.972	1233	1246	98.90	1240	98.90	1067	99.06	694	99.56	2449	98.31
Minimum		2.4E-05	33	0.392	0.74	0.398	244	261	89.29	252	89.40	244	90.42	206	92.84	472	80.09
Mean		1.3E-02	2034	0.732	0.94	0.735	477	487	93.26	482	93.32	436	94.00	325	95.77	905	87.52
Median		1.1E-02	89	0.740	0.94	0.746	387	399	92.90	393	92.95	385	93.64	303	95.54	742	86.75
Mean Last 5 Weeks		2.3E-02	43	0.790	0.94	0.792	306	320	90.03	313	90.13	285	91.08	240	93.41	587	81.48
75% Remaining (Wks)									54		55		61		78		24
50% Remaining (Wks)									118		120		133		163		59
25% Remaining (Wks)									182		185		205		249		94
0% Remaining (Wks)									246		251		277		334		129

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 2

		Dissolved Metals*:																													
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Strontium	Titanium	Vanadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(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)
0	01-Dec-92	*0.0015*	5.94	0.18	N/A	0.092	0.004	*0.025*	329.5	0.406	0.402	0.744	0.335	15.64	*0.01*	0.007	226.5	24.7	*0.001*	6	4.642	0.9	3.51	0.53	0.59	0.339	0.033	*0.0025*	*0.01*	85.4
1	08-Dec-92	*0.0015*	1.54	*0.01*	6.26	0.129	0.011	*0.025*	420.6	0.132	0.049	*0.0025*	0.039	0.26	*0.01*	*0.0025*	131.3	20.78	*0.001*	*0.5*	0.541	0.23	2.72	1.09	2.77	1.191	0.047	*0.0025*	*0.01*	16.53
2	15-Dec-92	*0.0015*	*0.005*	*0.01*	2.16	0.071	0.003	*0.025*	180.5	0.095	0.027	*0.0025*	0.047	0.27	*0.01*	*0.0025*	50.2	10.53	*0.001*	1	0.257	0.12	2.85	0.67	1.47	0.37	*0.0025*	*0.0025*	*0.01*	10.51
3	21-Dec-92	*0.0015*	0.78	0.09	2.55	0.073	*0.0005*	*0.025*	239.7	0.148	0.053	0.006	0.037	0.2	*0.01*	0.006	49.1	14.47	*0.001*	2	0.378	0.4	1.58	0.86	1.89	0.495	0.041	*0.0025*	*0.01*	21.45
4	29-Dec-92	*0.0015*	*0.005*	0.1	2.67	0.052	0.001	*0.025*	257.7	0.179	0.075	0.009	0.038	*0.01*	*0.01*	0.011	46.1	14.36	*0.001*	*0.5*	0.334	0.27	2.37	0.72	1.52	0.349	0.016	0.005	*0.01*	25.31
5	05-Jan-93	*0.0015*	1.29	*0.01*	2.64	0.078	0.001	*0.025*	241.1	0.214	0.087	0.01	0.065	0.36	*0.01*	*0.0025*	42.6	13.25	*0.001*	3	0.376	0.14	2.49	0.62	1.01	0.277	0.026	0.008	*0.01*	26.05
6	12-Jan-93	*0.0015*	0.36	*0.01*	3.82	0.067	0.001	*0.025*	226	0.179	0.049	*0.0025*	0.059	0.18	*0.01*	0.005	33.9	10.35	*0.001*	*0.5*	0.287	0.06	1.75	0.75	0.97	0.39	0.025	*0.0025*	0.02	25.36
7	19-Jan-93	*0.0015*	3.5	*0.01*	2.21	0.088	*0.0005*	0.07	229.1	0.18	0.051	*0.0025*	0.082	1.01	*0.01*	0.008	29.5	9.31	*0.001*	3	0.296	0.7	1.91	0.66	*0.005*	0.321	0.031	0.016	*0.01*	25.52
8	26-Jan-93	0.008	0.51	*0.01*	2.19	0.056	0.001	*0.025*	262.5	0.216	0.061	0.013	0.073	0.45	*0.01*	0.005	29.8	9.75	*0.001*	*0.5*	0.314	0.19	2.26	0.71	1.02	0.34	0.012	0.006	0.1	29.38
9	02-Feb-93	*0.0015*	0.73	*0.01*	2.16	0.046	0.003	*0.025*	206.5	0.196	0.063	0.007	0.091	0.29	*0.01*	*0.0025*	25.8	7.43	*0.001*	*0.5*	0.259	0.51	2.14	0.73	0.67	0.242	*0.0025*	*0.0025*	0.02	29.16
10	09-Feb-93	*0.0015*	0.81	*0.01*	1.76	0.04	0.001	*0.025*	200.3	0.156	0.027	*0.0025*	0.062	0.22	*0.01*	*0.0025*	22.9	6.05	*0.001*	*0.5*	0.173	0.41	2.19	0.55	0.64	0.193	0.022	*0.0025*	0.12	24.81
11	16-Feb-93	*0.0015*	0.65	*0.01*	2.12	0.04	*0.0005*	*0.025*	206.8	0.198	0.028	*0.0025*	0.091	0.19	*0.01*	*0.0025*	24.7	5.98	*0.001*	*0.5*	0.224	*0.02*	2.48	0.65	0.71	0.229	*0.0025*	*0.0025*	0.11	25.7
12	23-Feb-93	*0.0015*	0.94	*0.01*	2.17	0.039	0.003	*0.025*	169.6	0.14	0.043	*0.0025*	0.087	0.24	*0.01*	*0.0025*	20.4	5.65	*0.001*	*0.5*	0.184	*0.02*	1.96	0.72	0.77	0.182	0.007	*0.0025*	0.08	26.05
13	02-Mar-93	*0.0015*	1.41	*0.01*	2.06	0.035	0.002	*0.025*	159.4	0.139	0.042	*0.0025*	0.079	0.17	*0.01*	*0.0025*	19.7	5.36	*0.001*	*0.5*	0.142	*0.02*	1.99	0.7	0.42	0.184	*0.0025*	*0.0025*	0.1	26.64
14	09-Mar-93	*0.0015*	0.64	0.07	1.69	0.048	0.001	*0.025*	156.1	0.118	0.035	*0.0025*	0.07	0.26	*0.01*	*0.0025*	17.7	4.98	*0.001*	*0.5*	0.187	0.24	1.58	0.77	0.25	0.308	0.006	0.015	0.07	22.92
15	16-Mar-93	*0.0015*	0.74	0.07	1.82	0.047	0.001	*0.025*	171.7	0.108	0.015	*0.0025*	0.058	0.22	*0.01*	*0.0025*	17.5	5.13	0.005	*0.5*	0.139	0.35	1.02	1	0.35	0.413	*0.0025*	0.012	0.07	21.44
16	23-Mar-93	*0.0015*	0.31	0.07	1.91	0.041	0.001	*0.025*	147.6	0.08	0.027	*0.0025*	0.047	0.17	*0.01*	*0.0025*	13.8	4.35	0.002	*0.5*	0.109	*0.02*	0.78	1.11	0.47	0.375	0.007	0.005	0.05	18.41
17	30-Mar-93	*0.0015*	0.34	0.07	1.95	0.023	0.001	*0.025*	145.1	0.112	0.029	*0.0025*	0.062	0.12	*0.01*	*0.0025*	15	4.46	0.01	*0.5*	0.103	0.21	1.47	0.89	0.33	0.215	*0.0025*	0.007	0.06	18.58
Maximum		0.008	5.94	0.18	6.26	0.129	0.011	0.07	420.6	0.406	0.402	0.744	0.335	15.64	0.01	0.011	226.5	24.7	0.01	6	4.642	0.9	3.51	1.11	2.77	1.191	0.047	0.016	0.12	85.4
Minimum		0.0015	0.005	0.01	1.69	0.023	0.0005	0.025	145.1	0.08	0.015	0.0025	0.037	0.005	0.01	0.0025	13.8	4.35	0.001	0.5	0.103	0.02	0.78	0.53	0.005	0.182	0.0025	0.0025	0.01	10.51
Mean		0.0019	1.139	0.04	2.48	0.059	0.0020	0.028	219.4	0.166	0.0646	0.0455	0.079	1.125	0.01	0.0040	45.4	9.83	0.002	1.2	0.497	0.27	2.06	0.76	0.881	0.356	0.0160	0.0055	0.05	26.73
Median		0.0015	0.735	0.01	2.16	0.050	0.0010	0.025	206.7	0.152	0.0460	0.0025	0.064	0.230	0.01	0.0025	27.7	8.37	0.001	0.5	0.258	0.22	2.07	0.72	0.690	0.330	0.0095	0.0025	0.04	25.34
Mean Last 5 Weeks		0.0015	0.688	0.06	1.89	0.039	0.0012	0.025	156.0	0.111	0.0296	0.0025	0.063	0.188	0.01	0.0025	16.7	4.86	0.004	0.5	0.136	0.17	1.37	0.89	0.364	0.299	0.0041	0.0083	0.07	21.60
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 2

Metal Leach Rates:

Week No.	Date	Silver D-Ag (mg/kg/wk)	Aluminum D-Al (mg/kg/wk)	Arsenic D-As (mg/kg/wk)	Boron D-B (mg/kg/wk)	Barium D-Ba (mg/kg/wk)	Beryllium D-Be (mg/kg/wk)	Bismuth D-Bi (mg/kg/wk)	Calcium D-Ca (mg/kg/wk)	Cadmium D-Cd (mg/kg/wk)	Cobalt D-Co (mg/kg/wk)	Chromium D-Cr (mg/kg/wk)	Copper D-Cu (mg/kg/wk)	Iron D-Fe (mg/kg/wk)	Mercury D-Hg (mg/kg/wk)
0	01-Dec-92	6.4E-04	2.5496	0.0773		0.039	1.7E-03	0.011	141	0.174	0.1725	0.3193	0.144	6.7130	0.0043
1	08-Dec-92	9.9E-04	1.0161	0.0066	4.13	0.085	7.3E-03	0.016	278	0.087	0.0323	0.0016	0.026	0.1715	0.0066
2	15-Dec-92	8.9E-04	0.0030	0.0059	1.28	0.042	1.8E-03	0.015	107	0.057	0.0161	0.0015	0.028	0.1606	0.0059
3	21-Dec-92	9.2E-04	0.4799	0.0554	1.57	0.045	3.1E-04	0.015	147	0.091	0.0326	0.0037	0.023	0.1231	0.0062
4	29-Dec-92	8.9E-04	0.0030	0.0591	1.58	0.031	5.9E-04	0.015	152	0.106	0.0444	0.0053	0.022	0.0030	0.0059
5	05-Jan-93	8.6E-04	0.7436	0.0058	1.52	0.045	5.8E-04	0.014	139	0.123	0.0501	0.0058	0.037	0.2075	0.0058
6	12-Jan-93	9.0E-04	0.2172	0.0060	2.30	0.040	6.0E-04	0.015	136	0.108	0.0296	0.0015	0.036	0.1086	0.0060
7	19-Jan-93	9.0E-04	2.1052	0.0060	1.33	0.053	3.0E-04	0.042	138	0.108	0.0307	0.0015	0.049	0.6075	0.0060
8	26-Jan-93	4.7E-03	0.3005	0.0059	1.29	0.033	5.9E-04	0.015	155	0.127	0.0359	0.0077	0.043	0.2652	0.0059
9	02-Feb-93	8.8E-04	0.4302	0.0059	1.27	0.027	1.8E-03	0.015	122	0.115	0.0371	0.0041	0.054	0.1709	0.0059
10	09-Feb-93	9.0E-04	0.4837	0.0060	1.05	0.024	6.0E-04	0.015	120	0.093	0.0161	0.0015	0.037	0.1314	0.0060
11	16-Feb-93	8.8E-04	0.3801	0.0058	1.24	0.023	2.9E-04	0.015	121	0.116	0.0164	0.0015	0.053	0.1111	0.0058
12	23-Feb-93	8.8E-04	0.5534	0.0059	1.28	0.023	1.8E-03	0.015	100	0.082	0.0253	0.0015	0.051	0.1413	0.0059
13	02-Mar-93	9.1E-04	0.8543	0.0061	1.25	0.021	1.2E-03	0.015	97	0.084	0.0254	0.0015	0.048	0.1030	0.0061
14	09-Mar-93	9.4E-04	0.3998	0.0437	1.06	0.030	6.2E-04	0.016	98	0.074	0.0219	0.0016	0.044	0.1624	0.0062
15	16-Mar-93	9.4E-04	0.4623	0.0437	1.14	0.029	6.2E-04	0.016	107	0.067	0.0094	0.0016	0.036	0.1374	0.0062
16	23-Mar-93	9.6E-04	0.1988	0.0449	1.23	0.026	6.4E-04	0.016	95	0.051	0.0173	0.0016	0.030	0.1090	0.0064
17	30-Mar-93	8.5E-04	0.1932	0.0398	1.11	0.013	5.7E-04	0.014	82	0.064	0.0165	0.0014	0.035	0.0682	0.0057
Maximum		4.7E-03	2.5496	0.0773	4.13	0.085	7.3E-03	0.042	278	0.174	0.1725	0.3193	0.144	6.7130	0.0066
Minimum		6.4E-04	0.0030	0.0058	1.05	0.013	2.9E-04	0.011	82	0.051	0.0094	0.0014	0.022	0.0030	0.0043
Mean		1.1E-03	0.6319	0.0239	1.51	0.035	1.2E-03	0.016	130	0.096	0.0350	0.0202	0.044	0.5275	0.0059
Median		9.0E-04	0.4462	0.0060	1.28	0.030	6.1E-04	0.015	121	0.092	0.0275	0.0016	0.037	0.1394	0.0060
Mean Last 5 Weeks		9.2E-04	0.4217	0.0356	1.15	0.024	7.3E-04	0.015	96	0.068	0.0181	0.0015	0.039	0.1160	0.0061
75% Remaining (Wks)															
50% Remaining (Wks)															
25% Remaining (Wks)															
0% Remaining (Wks)															

Week No.	Date	Lanthanum D-La (mg/kg/wk)	Magnesium D-Mg (mg/kg/wk)	Manganese D-Mn (mg/kg/wk)	Molybdenium D-Mo (mg/kg/wk)	Sodium D-Na (mg/kg/wk)	Nickel D-Ni (mg/kg/wk)	Phosphorus D-P (mg/kg/wk)	Lead D-Pb (mg/kg/wk)	Antimony D-Sb (mg/kg/wk)	Silcon D-Si (mg/kg/wk)	Strontium D-Sr (mg/kg/wk)	Titanium D-Ti (mg/kg/wk)	Vanadium D-V (mg/kg/wk)	Tungsten D-W (mg/kg/wk)	Zinc D-Zn (mg/kg/wk)
0	01-Dec-92	0.0030	97.2	10.6	4.3E-04	2.58	1.992	0.386	1.51	0.227	0.2532	0.146	0.0142	0.0011	0.0043	36.7
1	08-Dec-92	0.0016	86.6	13.7	6.6E-04	0.33	0.357	0.152	1.79	0.719	1.8276	0.786	0.0310	0.0016	0.0066	10.9
2	15-Dec-92	0.0015	29.9	6.3	5.9E-04	0.59	0.153	0.071	1.70	0.399	0.8745	0.220	0.0015	0.0015	0.0059	6.3
3	21-Dec-92	0.0037	30.2	8.9	6.2E-04	1.23	0.233	0.246	0.97	0.529	1.1629	0.305	0.0252	0.0015	0.0062	13.2
4	29-Dec-92	0.0065	27.3	8.5	5.9E-04	0.30	0.198	0.160	1.40	0.426	0.8990	0.206	0.0095	0.0030	0.0059	15.0
5	05-Jan-93	0.0014	24.6	7.6	5.8E-04	1.73	0.217	0.081	1.44	0.357	0.5822	0.160	0.0150	0.0046	0.0058	16.2
6	12-Jan-93	0.0030	20.4	6.2	6.0E-04	0.30	0.173	0.036	1.06	0.452	0.5851	0.235	0.0151	0.0015	0.0121	15.3
7	19-Jan-93	0.0048	17.7	5.6	6.0E-04	1.80	0.178	0.421	1.15	0.397	0.0030	0.193	0.0186	0.0096	0.0060	15.3
8	26-Jan-93	0.0029	17.6	5.7	5.9E-04	0.29	0.185	0.112	1.33	0.418	0.6011	0.200	0.0071	0.0035	0.0589	17.3
9	02-Feb-93	0.0015	15.2	4.4	5.9E-04	0.29	0.153	0.301	1.26	0.430	0.3948	0.143	0.0015	0.0015	0.0118	17.2
10	09-Feb-93	0.0015	13.7	3.6	6.0E-04	0.30	0.103	0.245	1.31	0.328	0.3822	0.115	0.0131	0.0015	0.0717	14.8
11	16-Feb-93	0.0015	14.4	3.5	5.8E-04	0.29	0.131	0.012	1.45	0.380	0.4152	0.134	0.0015	0.0015	0.0643	15.0
12	23-Feb-93	0.0015	12.0	3.3	5.9E-04	0.29	0.108	0.012	1.15	0.424	0.4533	0.107	0.0041	0.0015	0.0471	15.3
13	02-Mar-93	0.0015	11.9	3.2	6.1E-04	0.30	0.086	0.012	1.21	0.424	0.2545	0.111	0.0015	0.0015	0.0606	16.1
14	09-Mar-93	0.0016	11.1	3.1	6.2E-04	0.31	0.117	0.150	0.99	0.481	0.1562	0.192	0.0037	0.0094	0.0437	14.3
15	16-Mar-93	0.0016	10.9	3.2	3.1E-03	0.31	0.087	0.219	0.64	0.625	0.2186	0.258	0.0016	0.0075	0.0437	13.4
16	23-Mar-93	0.0016	8.9	2.8	1.3E-03	0.32	0.070	0.013	0.50	0.712	0.3015	0.241	0.0045	0.0032	0.0321	11.8
17	30-Mar-93	0.0014	8.5	2.5	5.7E-03	0.28	0.059	0.119	0.84	0.506	0.1875	0.122	0.0014	0.0040	0.0341	10.6
Maximum		0.0065	97.2	13.7	5.7E-03	2.58	1.992	0.421	1.79	0.719	1.8276	0.786	0.0310	0.0096	0.0717	36.7
Minimum		0.0014	8.5	2.5	4.3E-04	0.28	0.059	0.012	0.50	0.227	0.0030	0.107	0.0014	0.0011	0.0043	6.3
Mean		0.0023	25.5	5.7	1.1E-03	0.66	0.255	0.153	1.20	0.458	0.5307	0.215	0.0094	0.0033	0.0289	15.3
Median		0.0016	16.4	5.0	6.0E-04	0.31	0.153	0.135	1.23	0.425	0.4050	0.193	0.0058	0.0016	0.0221	15.0
Mean Last 5 Weeks		0.0015	10.3	3.0	2.3E-03	0.31	0.084	0.103	0.83	0.549	0.2236	0.185	0.0025	0.0051	0.0428	13.2
75% Remaining (Wks)																
50% Remaining (Wks)																
25% Remaining (Wks)																
0% Remaining (Wks)																

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 2

		Cumulative Metal Leach Rates:																												
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Strontium	Titanium	Vanadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	01-Dec-92	6.4E-04	2.5	0.077		0.039	0.0017	0.011	141	0.17	0.173	0.319	0.144	6.71	0.0043	0.0030	97	11	4.3E-04	2.6	1.99	0.39	1.5	0.23	0.25	0.15	0.014	0.0011	0.0043	37
1	08-Dec-92	1.6E-03	3.6	0.084	4.1	0.125	0.0090	0.027	419	0.26	0.205	0.321	0.170	6.88	0.0109	0.0047	184	24	1.1E-03	2.9	2.35	0.54	3.3	0.95	2.08	0.93	0.045	0.0027	0.0109	48
2	15-Dec-92	2.5E-03	3.6	0.090	5.4	0.167	0.0108	0.042	526	0.32	0.221	0.322	0.197	7.05	0.0168	0.0061	214	31	1.7E-03	3.5	2.50	0.61	5.0	1.35	2.96	1.15	0.047	0.0042	0.0168	54
3	21-Dec-92	3.4E-03	4.0	0.145	7.0	0.212	0.0111	0.057	674	0.41	0.254	0.326	0.220	7.17	0.0230	0.0098	244	39	2.3E-03	4.7	2.73	0.86	6.0	1.87	4.12	1.46	0.072	0.0057	0.0230	67
4	29-Dec-92	4.3E-03	4.1	0.204	8.6	0.243	0.0117	0.072	826	0.51	0.298	0.331	0.243	7.17	0.0289	0.0163	271	48	2.9E-03	5.0	2.93	1.02	7.4	2.30	5.02	1.66	0.081	0.0087	0.0289	82
5	05-Jan-93	5.2E-03	4.8	0.210	10.1	0.287	0.0122	0.087	965	0.64	0.348	0.337	0.280	7.38	0.0347	0.0178	296	56	3.5E-03	6.8	3.15	1.10	8.8	2.66	5.60	1.82	0.096	0.0133	0.0347	98
6	12-Jan-93	6.1E-03	5.0	0.216	12.4	0.328	0.0128	0.102	1102	0.75	0.378	0.339	0.316	7.49	0.0407	0.0208	316	62	4.1E-03	7.1	3.32	1.13	9.9	3.11	6.18	2.06	0.111	0.0148	0.0467	113
7	19-Jan-93	7.0E-03	7.1	0.222	13.7	0.381	0.0131	0.144	1239	0.85	0.408	0.340	0.365	8.09	0.0467	0.0256	334	67	4.7E-03	8.9	3.50	1.55	11.0	3.51	6.19	2.25	0.130	0.0244	0.0527	129
8	26-Jan-93	1.2E-02	7.4	0.228	15.0	0.414	0.0137	0.159	1394	0.98	0.444	0.348	0.408	8.36	0.0526	0.0286	351	73	5.3E-03	9.2	3.69	1.67	12.3	3.93	6.79	2.45	0.137	0.0280	0.1117	146
9	02-Feb-93	1.3E-02	7.8	0.234	16.3	0.441	0.0155	0.173	1516	1.10	0.481	0.352	0.462	8.53	0.0585	0.0300	367	78	5.9E-03	9.5	3.84	1.97	13.6	4.36	7.18	2.59	0.139	0.0295	0.1235	163
10	09-Feb-93	1.4E-02	8.3	0.240	17.3	0.465	0.0161	0.188	1635	1.19	0.497	0.354	0.499	8.66	0.0645	0.0315	380	81	6.4E-03	9.7	3.94	2.21	14.9	4.68	7.57	2.71	0.152	0.0309	0.1951	178
11	16-Feb-93	1.4E-02	8.7	0.246	18.6	0.488	0.0164	0.203	1756	1.31	0.514	0.355	0.552	8.77	0.0703	0.0330	395	85	7.0E-03	10.0	4.07	2.22	16.4	5.06	7.98	2.84	0.153	0.0324	0.2594	193
12	23-Feb-93	1.5E-02	9.3	0.252	19.9	0.511	0.0182	0.218	1856	1.39	0.539	0.356	0.603	8.91	0.0762	0.0345	407	88	7.6E-03	10.3	4.18	2.23	17.5	5.49	8.43	2.95	0.157	0.0339	0.3065	208
13	02-Mar-93	1.6E-02	10.1	0.258	21.1	0.532	0.0194	0.233	1953	1.47	0.565	0.358	0.651	9.02	0.0823	0.0360	419	91	8.2E-03	10.6	4.27	2.25	18.7	5.91	8.69	3.06	0.159	0.0354	0.3671	225
14	09-Mar-93	1.7E-02	10.5	0.301	22.2	0.562	0.0200	0.248	2050	1.55	0.586	0.360	0.695	9.18	0.0885	0.0375	430	94	8.9E-03	11.0	4.38	2.40	19.7	6.39	8.84	3.25	0.163	0.0448	0.4109	239
15	16-Mar-93	1.8E-02	11.0	0.345	23.3	0.592	0.0206	0.264	2157	1.61	0.596	0.361	0.731	9.32	0.0948	0.0391	441	98	1.2E-02	11.3	4.47	2.61	20.3	7.02	9.06	3.51	0.164	0.0523	0.4546	252
16	23-Mar-93	1.9E-02	11.2	0.390	24.5	0.618	0.0213	0.280	2252	1.67	0.613	0.363	0.761	9.43	0.1012	0.0407	450	100	1.3E-02	11.6	4.54	2.63	20.8	7.73	9.36	3.75	0.169	0.0555	0.4867	264
17	30-Mar-93	2.0E-02	11.4	0.430	25.6	0.631	0.0218	0.294	2335	1.73	0.630	0.364	0.796	9.49	0.1069	0.0421	458	103	1.9E-02	11.9	4.60	2.75	21.7	8.24	9.55	3.87	0.170	0.0594	0.5207	275
Maximum		2.0E-02	11.4	0.430	25.6	0.631	0.0218	0.294	2335	1.73	0.630	0.364	0.796	9.49	0.1069	0.0421	458	103	1.9E-02	11.9	4.60	2.75	21.7	8.24	9.55	3.87	0.170	0.0594	0.5207	275
Minimum		6.4E-04	2.5	0.077	4.1	0.039	0.0017	0.011	141	0.17	0.173	0.319	0.144	6.71	0.0043	0.0030	97	11	4.3E-04	2.6	1.99	0.39	1.5	0.23	0.25	0.15	0.014	0.0011	0.0043	37
Mean		1.0E-02	7.2	0.232	15.6	0.391	0.0147	0.156	1378	0.99	0.431	0.345	0.450	8.20	0.0557	0.0254	336	68	6.3E-03	8.1	3.58	1.67	12.7	4.15	6.44	2.36	0.120	0.0265	0.1919	154
Median		1.2E-02	7.6	0.231	16.3	0.427	0.0146	0.166	1455	1.04	0.463	0.350	0.435	8.45	0.0556	0.0293	359	75	5.6E-03	9.3	3.76	1.82	13.0	4.14	6.99	2.52	0.138	0.0287	0.1176	155
Mean Last 5 Weeks		1.8E-02	10.8	0.345	23.3	0.587	0.0206	0.264	2149	1.61	0.598	0.361	0.727	9.29	0.0947	0.0391	439	97	1.2E-02	11.3	4.45	2.53	20.3	7.06	9.10	3.49	0.165	0.0495	0.4480	251
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B13. Ore - Type 3

Pre-Test ABA & ICP Metals Data Eskay Creek Ore - Type 3		
Initial Sample Weight (dry g)		746
ABA Results:		
Paste pH		
% S (Total)		10.4
% SO4		0.11
% S (Sulphide)		10.36
TAP (tonne CaCO3/ktonne)		325
NP (tonne CaCO3/ktonne)		233
CO2 (%)		
CaNP (t CaCO3/ktonne)		0
NNP (tonne CaCO3/ktonne)		-92
NP/AP		0.72
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

Post-Test ABA & ICP Metals Data Eskay Creek Ore - Type 3		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		
TAP (tonne CaCO3/ktonne)		*Not*
NP (tonne CaCO3/ktonne)		*Available*
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown in italics, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Ore Type 3

		Analytical Results:									Sulphate Production:			
									Acidity	Alkalinity	SO4	Cumulative		
						Alkalinity	Acidity		Production	Production	Production	SO4	Remaining	Remaining
Week No.	Date	Volume	pH	Redox	Conductivity	(CaCO3	(CaCO3	Sulphate	Rate	Rate	Rate	Production	S	S (Sulphide)
		(mL)	(pH units)	(mV)	(umohs/cm)	mg/L)*	mg/L)*	(SO4 mg/L)*	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg)	(% of original)	(% of original)
0	01-Dec-92	340	3.16	326	3150	*0.05*	383	1771	174.6	0.023	807	807	99.74	99.74
1	08-Dec-92	483.5	6.03	207	2040	2	13	1196	8.4	1.296	775	1582	99.49	99.49
2	15-Dec-92	445	6.15	303	1546	7	6	936	3.6	4.176	558	2141	99.31	99.31
3	21-Dec-92	389	6.77	385	1487	10	12	936	6.3	5.214	488	2629	99.16	99.15
4	29-Dec-92	429.1	6.82	380	1304	9	8	780	4.6	5.177	449	3077	99.01	99.01
5	05-Jan-93	446	6.59	340	1207	6	9	651	5.4	3.587	389	3467	98.89	98.88
6	12-Jan-93	440.6	6.28	313	1209	10	10	672	5.9	5.906	397	3863	98.76	98.76
7	19-Jan-93	468	6.29	267	1132	13	6	598	3.8	8.155	375	4239	98.64	98.64
8	26-Jan-93	448.7	6.53	196	1175	10	6	627	3.6	6.015	377	4616	98.52	98.52
9	02-Feb-93	467	6.71	355	956	12	13	462	8.1	7.512	289	4905	98.43	98.42
10	09-Feb-93	470	6.72	338	998	11	14	572	8.8	6.930	360	5265	98.31	98.31
11	16-Feb-93	457.8	6.52	270	933	11	13	588	8.0	6.750	361	5626	98.20	98.19
12	23-Feb-93	431.7	6.8	278	808	12	11	588	6.4	6.944	340	5966	98.09	98.08
13	02-Mar-93	447	6.67	283	910	13	10	483	6.0	7.790	289	6256	97.99	97.99
14	09-Mar-93	490.5	7.16	243	743	19	9	378	5.9	12.493	249	6504	97.92	97.91
15	16-Mar-93	498.7	7.3	221	667	22	4	311	2.7	14.707	208	6712	97.85	97.84
16	23-Mar-93	471.7	7.21	204	682	17	2	297	1.3	10.749	188	6900	97.79	97.78
17	30-Mar-93	450.8	6.98	189	569	16	2	253	1.2	9.669	153	7053	97.74	97.73
Maximum		498.7	7.3	385	3150	22	383	1771	174.6	14.707	807	7053	99.74	99.74
Minimum		340	3.16	189	569	0.05	2	253	1.2	0.023	153	807	97.74	97.73
Mean		448.6	6.48	283	1195	11.1	30	672	14.7	6.839	392	4534	98.55	98.54
Median		449.8	6.69	281	1065	11.0	10	593	5.9	6.840	368	4760	98.47	98.47
Mean Last 5 Weeks		471.7	7.06	228	714	17.4	5	344	3.4	11.081	217	6685	97.86	97.85
75% Remaining (Wks)													343	342
50% Remaining (Wks)													702	699
25% Remaining (Wks)													1060	1056
0% Remaining (Wks)													1418	1413

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 3

		Molar Ratios:					NP Consumption:											
								Total NP Consumption With Alkalinity Derived From:				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)
0	01-Dec-92	2.7E-05	35374	0.382	0.98	0.386	841	841	99.64	841	99.64	822	99.65	324	99.86	1507	99.35
1	08-Dec-92	1.6E-03	679	0.644	1.10	0.645	807	810	99.29	809	99.29	889	99.27	520	99.64	1606	98.66
2	15-Dec-92	7.2E-03	149	0.616	1.08	0.620	582	590	99.04	586	99.04	631	98.99	361	99.48	1160	98.17
3	21-Dec-92	1.0E-02	94	0.678	0.97	0.682	508	519	98.82	514	98.82	494	98.78	347	99.33	1011	97.73
4	29-Dec-92	1.1E-02	86	0.621	0.97	0.623	467	478	98.61	473	98.62	451	98.59	291	99.21	930	97.33
5	05-Jan-93	8.8E-03	126	0.706	1.13	0.713	405	413	98.43	409	98.44	458	98.39	289	99.08	805	96.99
6	12-Jan-93	1.4E-02	70	0.678	1.02	0.681	413	425	98.25	419	98.26	421	98.21	282	98.96	821	96.64
7	19-Jan-93	2.1E-02	54	0.818	1.14	0.825	391	407	98.08	399	98.09	447	98.02	322	98.83	778	96.30
8	26-Jan-93	1.5E-02	66	0.750	1.02	0.754	393	405	97.90	399	97.92	399	97.85	296	98.70	782	95.97
9	02-Feb-93	2.5E-02	48	0.919	1.21	0.922	301	316	97.77	309	97.79	364	97.69	278	98.58	594	95.71
10	09-Feb-93	1.8E-02	54	0.784	1.00	0.788	375	389	97.60	382	97.62	374	97.53	296	98.45	742	95.39
11	16-Feb-93	1.8E-02	49	0.693	0.89	0.695	376	389	97.43	383	97.46	334	97.39	261	98.34	744	95.07
12	23-Feb-93	2.0E-02	41	0.633	0.80	0.635	354	368	97.27	361	97.30	285	97.27	225	98.24	703	94.77
13	02-Mar-93	2.6E-02	39	0.806	1.02	0.808	301	317	97.14	309	97.17	309	97.13	244	98.14	597	94.52
14	09-Mar-93	4.8E-02	21	0.843	1.04	0.846	259	284	97.02	271	97.05	270	97.02	219	98.05	512	94.30
15	16-Mar-93	6.8E-02	17	0.942	1.14	0.945	217	246	96.91	231	96.96	247	96.91	205	97.96	430	94.11
16	23-Mar-93	5.5E-02	22	0.980	1.19	0.984	196	217	96.82	206	96.87	233	96.81	192	97.87	390	93.94
17	30-Mar-93	6.1E-02	18	0.879	1.09	0.883	159	179	96.74	169	96.79	173	96.74	141	97.81	317	93.81
Maximum		6.8E-02	35374	0.980	1.21	0.984	841	841	99.64	841	99.64	889	99.65	520	99.86	1606	99.35
Minimum		2.7E-05	17	0.382	0.80	0.386	159	179	96.74	169	96.79	173	96.74	141	97.81	317	93.81
Mean		2.4E-02	2056	0.743	1.04	0.746	408	422	97.93	415	97.95	422	97.90	283	98.70	802	96.04
Median		1.8E-02	54	0.728	1.03	0.733	383	397	97.83	391	97.85	387	97.77	285	98.64	761	95.84
Mean Last 5 Weeks		5.2E-02	23	0.890	1.10	0.893	226	249	96.93	237	96.97	246	96.92	200	97.97	449	94.13
75% Remaining (Wks)									221		231		223		283		115
50% Remaining (Wks)									455		476		459		574		244
25% Remaining (Wks)									690		722		695		865		374
0% Remaining (Wks)									924		967		932		1156		503

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 3

		Dissolved Metals*:																													
Week No.	Date	Silver D-Ag (mg/L)	Aluminum D-Al (mg/L)	Arsenic D-As (mg/L)	Boron D-B (mg/L)	Barium D-Ba (mg/L)	Beryllium D-Be (mg/L)	Bismuth D-Bi (mg/L)	Calcium D-Ca (mg/L)	Cadium D-Cd (mg/L)	Cobalt D-Co (mg/L)	Chromium D-Cr (mg/L)	Copper D-Cu (mg/L)	Iron D-Fe (mg/L)	Mercury D-Hg (mg/L)	Lanthanum D-La (mg/L)	Magnesium D-Mg (mg/L)	Manganese D-Mn (mg/L)	Molybdenium D-Mo (mg/L)	Sodium D-Na (mg/L)	Nickel D-Ni (mg/L)	Phosphorus D-P (mg/L)	Lead D-Pb (mg/L)	Antimony D-Sb (mg/L)	Silcon D-Si (mg/L)	Strontium D-Sr (mg/L)	Titanium D-Ti (mg/L)	Vanadium D-V (mg/L)	Tungsten D-W (mg/L)	Zinc D-Zn (mg/L)
0	01-Dec-92	0.008	7.23	0.12		0.136	0.005	*0.025*	282.4	0.307	0.032	2.874	2.7	72.45	*0.01*	0.006	258.3	29.6	*0.001*	3	2.403	0.22	3.6	1.03	0.48	0.592	0.034	*0.0025*	*0.01*	112.8
1	08-Dec-92	*0.0015*	1.53	*0.01*	4.89	0.124	0.008	0.05	321.2	0.049	*0.0025*	0.058	0.039	1.14	*0.01*	0.008	134.8	11.34	*0.001*	*0.5*	0.17	0.31	1.92	2.9	1.28	1.37	0.047	*0.0025*	*0.01*	3.91
2	15-Dec-92	*0.0015*	*0.005*	*0.01*	3.06	0.104	0.004	*0.025*	240.4	0.085	0.005	*0.0025*	0.031	0.25	*0.01*	*0.0025*	107.5	11.36	*0.001*	2	0.102	0.17	1.66	2.76	1.71	1.021	0.014	*0.0025*	*0.01*	4.78
3	21-Dec-92	*0.0015*	0.82	0.14	2.83	0.098	0.001	*0.025*	264.7	0.081	0.026	0.011	0.022	0.18	*0.01*	0.007	66.7	9.95	*0.001*	2	0.119	0.23	1.59	2.82	1.36	0.774	0.044	*0.0025*	*0.01*	9.05
4	29-Dec-92	*0.0015*	0.23	0.11	2.29	0.065	0.001	*0.025*	202.2	0.065	0.041	0.011	0.024	0.03	*0.01*	0.01	65.1	8.77	*0.001*	*0.5*	0.072	0.17	0.17	1.34	2.16	0.94	0.473	0.017	*0.01*	5.84
5	05-Jan-93	*0.0015*	1.07	*0.01*	2.34	0.081	0.001	*0.025*	191.9	0.058	0.039	0.013	0.028	0.28	*0.01*	*0.0025*	66.9	9.11	*0.001*	2	0.056	0.15	1.26	2.33	0.87	0.638	0.023	0.007	*0.01*	7.06
6	12-Jan-93	0.006	0.48	*0.01*	3.51	0.087	0.002	*0.025*	190.1	0.06	0.03	0.011	0.028	0.14	*0.01*	0.014	55.8	7.35	0.009	1	0.072	0.09	1.04	2.76	0.65	0.508	0.016	0.012	0.02	6.72
7	19-Jan-93	*0.0015*	3.17	*0.01*	2.11	0.091	*0.0005*	0.06	204.1	0.047	0.007	0.008	0.036	0.57	*0.01*	0.008	47.3	6.45	*0.001*	2	0.069	0.46	0.82	3.25	*0.005*	0.49	0.005	0.014	*0.01*	6.32
8	26-Jan-93	*0.0015*	0.47	*0.01*	1.66	0.092	0.001	*0.025*	196.3	0.065	0.023	0.01	0.027	0.34	*0.01*	*0.0025*	40.4	5.66	*0.001*	1	0.062	0.23	0.84	3.16	1.02	0.438	*0.0025*	0.014	0.02	5.56
9	02-Feb-93	*0.0015*	0.49	*0.01*	1.8	0.067	0.001	*0.025*	177.2	0.068	0.029	0.01	0.019	0.22	*0.01*	*0.0025*	32.5	4.32	*0.001*	*0.5*	0.034	0.5	0.69	2.96	0.71	0.392	*0.0025*	*0.0025*	*0.01*	5.5
10	09-Feb-93	*0.0015*	1.7	*0.01*	1.59	0.079	0.001	*0.025*	187.1	0.048	*0.0025*	*0.0025*	0.02	0.34	*0.01*	*0.0025*	29.6	3.79	*0.001*	1	0.005	0.34	0.71	2.69	0.8	0.34	0.029	*0.0025*	*0.01*	5.27
11	16-Feb-93	*0.0015*	0.47	*0.01*	1.65	0.066	*0.0005*	*0.025*	170	0.034	*0.0025*	*0.0025*	0.017	0.16	*0.01*	*0.0025*	27.8	3.79	*0.001*	*0.5*	0.01	*0.02*	0.61	3.25	0.83	0.347	*0.0025*	*0.0025*	*0.01*	4.87
12	23-Feb-93	*0.0015*	1.08	0.04	1.94	0.064	0.001	0.07	155.3	0.022	0.017	*0.0025*	0.017	0.2	*0.01*	*0.0025*	24.5	3.42	*0.001*	*0.5*	0.009	*0.02*	0.59	2.9	0.81	0.273	0.006	*0.0025*	*0.01*	5.1
13	02-Mar-93	*0.0015*	1.03	*0.01*	2.01	0.071	0.002	*0.025*	162.4	0.018	0.016	*0.0025*	0.017	0.18	*0.01*	*0.0025*	25.6	3.62	*0.001*	*0.5*	*0*	*0.02*	0.47	3.21	0.81	0.286	*0.0025*	*0.0025*	*0.01*	5.74
14	09-Mar-93	*0.0015*	0.68	0.06	1.35	0.06	0.001	*0.025*	133	0.022	0.017	*0.0025*	0.02	0.25	*0.01*	*0.0025*	18.4	2.71	0.007	*0.5*	0.049	0.3	0.49	3.29	0.65	0.248	0.041	0.013	*0.01*	4.64
15	16-Mar-93	*0.0015*	0.84	0.05	1.21	0.06	0.002	0.05	122.2	0.015	0.006	0.005	0.02	0.21	*0.01*	*0.0025*	14.8	2.17	0.007	*0.5*	0.032	0.39	0.2	3.77	0.31	0.23	*0.0025*	0.016	*0.01*	3.34
16	23-Mar-93	*0.0015*	0.42	0.1	1.52	0.059	0.001	*0.025*	121.5	0.016	0.017	*0.0025*	0.022	0.19	*0.01*	*0.0025*	15.1	2.21	0.003	*0.5*	0.023	*0.02*	0.3	4.74	0.8	0.22	0.008	0.011	*0.01*	3.08
17	30-Mar-93	*0.0015*	0.36	0.07	1.18	0.037	0.001	*0.025*	92.8	0.014	*0.0025*	*0.0025*	0.012	0.11	*0.01*	*0.0025*	12.7	1.83	0.007	*0.5*	*0*	0.21	0.28	3.94	0.46	0.169	*0.0025*	*0.0025*	0.03	2.61
Maximum		0.008	7.23	0.14	4.89	0.136	0.008	0.07	321.2	0.307	0.041	2.874	2.7	72.45	0.01	0.014	258.3	29.6	0.009	3	2.403	0.5	3.6	4.74	2.16	1.37	0.473	0.017	0.03	112.8
Minimum		0.0015	0.005	0.01	1.18	0.037	0.0005	0.025	92.8	0.014	0.0025	0.0025	0.012	0.03	0.01	0.0025	12.7	1.83	0.001	0.5	0.003	0.02	0.17	1.03	0.005	0.169	0.0025	0.0025	0.01	2.61
Mean		0.0021	1.226	0.04	2.17	0.080	0.0019	0.032	189.7	0.060	0.0175	0.1684	0.172	4.291	0.01	0.0046	58.0	7.08	0.003	1.1	0.183	0.21	0.96	2.95	0.873	0.510	0.0419	0.0072	0.01	11.23
Median		0.0015	0.750	0.01	1.94	0.075	0.0010	0.025	188.6	0.049	0.0170	0.0065	0.022	0.215	0.01	0.0025	36.5	4.99	0.001	0.5	0.053	0.22	0.70	2.93	0.805	0.415	0.0110	0.0025	0.01	5.39
Mean Last 5 Weeks		0.0015	0.666	0.06	1.45	0.057	0.0014	0.030	126.4	0.017	0.0117	0.0030	0.018	0.188	0.01	0.0025	17.3	2.51	0.005	0.5	0.022	0.19	0.35	3.79	0.606	0.231	0.0113	0.0090	0.01	3.88
75% Remaining (Wks)																															
50% Remaining (Wks)																															
25% Remaining (Wks)																															
0% Remaining (Wks)																															

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

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Eskay Creek Humidity Cell Data - Ore Type 3

Metal Leach Rates:

Week No.	Date	Silver D-Ag (mg/kg/wk)	Aluminum D-Al (mg/kg/wk)	Arsenic D-As (mg/kg/wk)	Boron D-B (mg/kg/wk)	Barium D-Ba (mg/kg/wk)	Beryllium D-Be (mg/kg/wk)	Bismuth D-Bi (mg/kg/wk)	Calcium D-Ca (mg/kg/wk)	Cadmium D-Cd (mg/kg/wk)	Cobalt D-Co (mg/kg/wk)	Chromium D-Cr (mg/kg/wk)	Copper D-Cu (mg/kg/wk)	Iron D-Fe (mg/kg/wk)	Mercury D-Hg (mg/kg/wk)
0	01-Dec-92	3.6E-03	3.2952	0.0547		0.062	2.3E-03	0.011	129	0.1399	0.0146	1.3099	1.2306	33.020	0.0046
1	08-Dec-92	9.7E-04	0.9916	0.0065	3.17	0.080	5.2E-03	0.032	208	0.0318	0.0016	0.0376	0.0253	0.739	0.0065
2	15-Dec-92	8.9E-04	0.0030	0.0060	1.83	0.062	2.4E-03	0.015	143	0.0507	0.0030	0.0015	0.0185	0.149	0.0060
3	21-Dec-92	7.8E-04	0.4276	0.0730	1.48	0.051	5.2E-04	0.013	138	0.0422	0.0136	0.0057	0.0115	0.094	0.0052
4	29-Dec-92	8.6E-04	0.1323	0.0633	1.32	0.037	5.8E-04	0.014	116	0.0374	0.0236	0.0063	0.0138	0.017	0.0058
5	05-Jan-93	9.0E-04	0.6397	0.0060	1.40	0.048	6.0E-04	0.015	115	0.0347	0.0233	0.0078	0.0167	0.167	0.0060
6	12-Jan-93	3.5E-03	0.2835	0.0059	2.07	0.051	1.2E-03	0.015	112	0.0354	0.0177	0.0065	0.0165	0.083	0.0059
7	19-Jan-93	9.4E-04	1.9887	0.0063	1.32	0.057	3.1E-04	0.038	128	0.0295	0.0044	0.0050	0.0226	0.358	0.0063
8	26-Jan-93	9.0E-04	0.2827	0.0060	1.00	0.055	6.0E-04	0.015	118	0.0391	0.0138	0.0060	0.0162	0.205	0.0060
9	02-Feb-93	9.4E-04	0.3067	0.0063	1.13	0.042	6.3E-04	0.016	111	0.0426	0.0182	0.0063	0.0119	0.138	0.0063
10	09-Feb-93	9.5E-04	1.0710	0.0063	1.00	0.050	6.3E-04	0.016	118	0.0302	0.0016	0.0016	0.0126	0.214	0.0063
11	16-Feb-93	9.2E-04	0.2884	0.0061	1.01	0.041	3.1E-04	0.015	104	0.0209	0.0015	0.0015	0.0104	0.098	0.0061
12	23-Feb-93	8.7E-04	0.6250	0.0231	1.12	0.037	5.8E-04	0.041	90	0.0127	0.0098	0.0014	0.0098	0.116	0.0058
13	02-Mar-93	9.0E-04	0.6172	0.0060	1.20	0.043	1.2E-03	0.015	97	0.0108	0.0096	0.0015	0.0102	0.108	0.0060
14	09-Mar-93	9.9E-04	0.4471	0.0395	0.89	0.039	6.6E-04	0.016	87	0.0145	0.0112	0.0016	0.0132	0.164	0.0066
15	16-Mar-93	1.0E-03	0.5615	0.0334	0.81	0.040	1.3E-03	0.033	82	0.0100	0.0040	0.0033	0.0134	0.140	0.0067
16	23-Mar-93	9.5E-04	0.2656	0.0632	0.96	0.037	6.3E-04	0.016	77	0.0101	0.0107	0.0016	0.0139	0.120	0.0063
17	30-Mar-93	9.1E-04	0.2175	0.0423	0.71	0.022	6.0E-04	0.015	56	0.0085	0.0015	0.0015	0.0073	0.066	0.0060
Maximum		3.6E-03	3.2952	0.0730	3.17	0.080	5.2E-03	0.041	208	0.1399	0.0236	1.3099	1.2306	33.020	0.0067
Minimum		7.8E-04	0.0030	0.0059	0.71	0.022	3.1E-04	0.011	56	0.0085	0.0015	0.0014	0.0073	0.017	0.0046
Mean		1.2E-03	0.6914	0.0252	1.32	0.048	1.1E-03	0.020	113	0.0334	0.0102	0.0782	0.0819	2.000	0.0060
Median		9.3E-04	0.4373	0.0064	1.13	0.045	6.3E-04	0.015	114	0.0310	0.0103	0.0042	0.0136	0.139	0.0060
Mean Last 5 Weeks		9.5E-04	0.4218	0.0369	0.92	0.036	8.9E-04	0.019	80	0.0108	0.0074	0.0019	0.0116	0.120	0.0063
75% Remaining (Wks)															
50% Remaining (Wks)															
25% Remaining (Wks)															
0% Remaining (Wks)															

Week No.	Date	Lanthanum D-La (mg/kg/wk)	Magnesium D-Mg (mg/kg/wk)	Manganese D-Mn (mg/kg/wk)	Molybdenum D-Mo (mg/kg/wk)	Sodium D-Na (mg/kg/wk)	Nickel D-Ni (mg/kg/wk)	Phosphorus D-P (mg/kg/wk)	Lead D-Pb (mg/kg/wk)	Antimony D-Sb (mg/kg/wk)	Silicon D-Si (mg/kg/wk)	Strontium D-Sr (mg/kg/wk)	Titanium D-Ti (mg/kg/wk)	Vanadium D-V (mg/kg/wk)	Tungsten D-W (mg/kg/wk)	Zinc D-Zn (mg/kg/wk)
0	01-Dec-92	0.0027	117.7	13.5	4.6E-04	1.37	1.0952	0.100	1.64	0.47	0.2188	0.270	0.0155	0.0011	0.0046	51.4
1	08-Dec-92	0.0052	87.4	7.3	6.5E-04	0.32	0.1102	0.201	1.24	1.88	0.8296	0.888	0.0305	0.0016	0.0065	2.5
2	15-Dec-92	0.0015	64.1	6.8	6.0E-04	1.19	0.0608	0.101	0.99	1.65	1.0200	0.609	0.0084	0.0015	0.0060	2.9
3	21-Dec-92	0.0037	34.8	5.2	5.2E-04	1.04	0.0621	0.120	0.83	1.47	0.7092	0.404	0.0229	0.0013	0.0052	4.7
4	29-Dec-92	0.0058	37.4	5.0	5.8E-04	0.29	0.0414	0.098	0.10	0.77	1.2424	0.541	0.2721	0.0098	0.0058	3.4
5	05-Jan-93	0.0015	40.0	5.4	6.0E-04	1.20	0.0335	0.090	0.75	1.39	0.5201	0.322	0.0138	0.0042	0.0060	4.2
6	12-Jan-93	0.0083	33.0	4.3	5.3E-03	0.59	0.0425	0.053	0.61	1.63	0.3839	0.300	0.0094	0.0071	0.0118	4.0
7	19-Jan-93	0.0050	29.7	4.0	6.3E-04	1.25	0.0433	0.289	0.51	2.04	0.0031	0.307	0.0031	0.0088	0.0063	4.0
8	26-Jan-93	0.0015	24.3	3.4	6.0E-04	0.60	0.0373	0.138	0.51	1.90	0.6135	0.263	0.0015	0.0084	0.0120	3.3
9	02-Feb-93	0.0016	20.3	2.7	6.3E-04	0.31	0.0213	0.313	0.43	1.85	0.4445	0.245	0.0016	0.0016	0.0063	3.4
10	09-Feb-93	0.0016	18.6	2.4	6.3E-04	0.63	0.0032	0.214	0.45	1.69	0.5040	0.214	0.0183	0.0016	0.0063	3.3
11	16-Feb-93	0.0015	17.1	2.3	6.1E-04	0.31	0.0061	0.012	0.37	1.99	0.5093	0.213	0.0015	0.0015	0.0061	3.0
12	23-Feb-93	0.0014	14.2	2.0	5.8E-04	0.29	0.0052	0.012	0.34	1.68	0.4687	0.158	0.0035	0.0014	0.0058	3.0
13	02-Mar-93	0.0015	15.3	2.2	6.0E-04	0.30	0.0015	0.012	0.28	1.92	0.4853	0.171	0.0015	0.0015	0.0060	3.4
14	09-Mar-93	0.0016	12.1	1.8	4.6E-03	0.33	0.0322	0.197	0.32	2.16	0.4274	0.163	0.0270	0.0085	0.0066	3.1
15	16-Mar-93	0.0017	9.9	1.5	4.7E-03	0.33	0.0214	0.261	0.13	2.52	0.2072	0.154	0.0017	0.0107	0.0067	2.2
16	23-Mar-93	0.0016	9.5	1.4	1.9E-03	0.32	0.0145	0.013	0.19	3.00	0.5058	0.139	0.0051	0.0070	0.0063	1.9
17	30-Mar-93	0.0015	7.7	1.1	4.2E-03	0.30	0.0015	0.127	0.17	2.38	0.2780	0.102	0.0015	0.0015	0.0181	1.6
Maximum		0.0083	117.7	13.5	5.3E-03	1.37	1.0952	0.313	1.64	3.00	1.2424	0.888	0.2721	0.0107	0.0181	51.4
Minimum		0.0014	7.7	1.1	4.6E-04	0.29	0.0015	0.012	0.10	0.47	0.0031	0.102	0.0015	0.0011	0.0046	1.6
Mean		0.0027	33.0	4.0	1.6E-03	0.61	0.0907	0.131	0.55	1.80	0.5206	0.304	0.0244	0.0044	0.0073	5.9
Median		0.0016	22.3	3.1	6.2E-04	0.33	0.0328	0.111	0.44	1.87	0.4947	0.254	0.0067	0.0016	0.0063	3.3
Mean Last 5 Weeks		0.0016	10.9	1.6	3.2E-03	0.32	0.0142	0.122	0.22	2.40	0.3808	0.146	0.0073	0.0058	0.0087	2.4
75% Remaining (Wks)																
50% Remaining (Wks)																
25% Remaining (Wks)																
0% Remaining (Wks)																

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 3

		Cumulative Metal Leach Rates:																												
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Strontium	Titanium	Vanadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	01-Dec-92	0.0036	3.3	0.055		0.062	0.0023	0.011	129	0.140	0.015	1.31	1.23	33.0	0.0046	0.0027	118	13	4.6E-04	1.37	1.10	0.10	1.64	0.47	0.22	0.27	0.015	0.0011	0.0046	51
1	08-Dec-92	0.0046	4.3	0.061	3.2	0.142	0.0075	0.044	337	0.172	0.016	1.35	1.26	33.8	0.0110	0.0079	205	21	1.1E-03	1.69	1.21	0.30	2.89	2.35	1.05	1.16	0.046	0.0028	0.0110	54
2	15-Dec-92	0.0055	4.3	0.067	5.0	0.204	0.0098	0.059	480	0.222	0.019	1.35	1.27	33.9	0.0170	0.0094	269	28	1.7E-03	2.88	1.27	0.40	3.88	4.00	2.07	1.77	0.054	0.0043	0.0170	57
3	21-Dec-92	0.0063	4.7	0.140	6.5	0.255	0.0104	0.072	618	0.265	0.033	1.35	1.29	34.0	0.0222	0.0131	304	33	2.2E-03	3.93	1.33	0.52	4.70	5.47	2.78	2.17	0.077	0.0056	0.0222	62
4	29-Dec-92	0.0072	4.8	0.203	7.8	0.293	0.0109	0.086	735	0.302	0.056	1.36	1.30	34.0	0.0280	0.0188	341	38	2.8E-03	4.21	1.37	0.62	4.80	6.24	4.02	2.71	0.349	0.0153	0.0280	65
5	05-Jan-93	0.0081	5.5	0.209	9.2	0.341	0.0115	0.101	849	0.337	0.080	1.37	1.32	34.2	0.0339	0.0203	381	43	3.4E-03	5.41	1.40	0.71	5.56	7.63	4.54	3.03	0.363	0.0195	0.0339	69
6	12-Jan-93	0.0116	5.8	0.215	11.3	0.393	0.0127	0.116	962	0.372	0.097	1.38	1.33	34.3	0.0399	0.0286	414	48	8.7E-03	6.00	1.45	0.76	6.17	9.26	4.92	3.33	0.373	0.0266	0.0458	73
7	19-Jan-93	0.0125	7.8	0.222	12.6	0.450	0.0130	0.153	1090	0.402	0.102	1.38	1.36	34.6	0.0461	0.0336	444	52	9.3E-03	7.26	1.49	1.05	6.68	11.30	4.93	3.64	0.376	0.0354	0.0520	77
8	26-Jan-93	0.0134	8.0	0.228	13.6	0.505	0.0136	0.169	1208	0.441	0.116	1.39	1.37	34.8	0.0521	0.0351	468	55	9.9E-03	7.86	1.53	1.19	7.19	13.20	5.54	3.90	0.377	0.0438	0.0641	80
9	02-Feb-93	0.0144	8.4	0.234	14.7	0.547	0.0143	0.184	1319	0.483	0.134	1.39	1.38	35.0	0.0584	0.0367	489	58	1.1E-02	8.17	1.55	1.50	7.62	15.05	5.99	4.15	0.379	0.0454	0.0703	84
10	09-Feb-93	0.0153	9.4	0.240	15.7	0.597	0.0149	0.200	1437	0.514	0.135	1.39	1.40	35.2	0.0647	0.0382	507	60	1.1E-02	8.80	1.55	1.72	8.07	16.75	6.49	4.36	0.397	0.0469	0.0766	87
11	16-Feb-93	0.0162	9.7	0.246	16.7	0.637	0.0152	0.215	1541	0.534	0.137	1.40	1.41	35.3	0.0708	0.0398	524	63	1.2E-02	9.11	1.56	1.73	8.44	18.74	7.00	4.58	0.399	0.0485	0.0828	90
12	23-Feb-93	0.0171	10.3	0.269	17.8	0.674	0.0158	0.256	1631	0.547	0.147	1.40	1.42	35.4	0.0766	0.0412	539	64	1.2E-02	9.40	1.56	1.74	8.78	20.42	7.47	4.73	0.402	0.0499	0.0885	93
13	02-Mar-93	0.0180	11.0	0.275	19.0	0.717	0.0170	0.271	1728	0.558	0.156	1.40	1.43	35.5	0.0826	0.0427	554	67	1.3E-02	9.70	1.56	1.75	9.07	22.34	7.95	4.91	0.404	0.0514	0.0945	97
14	09-Mar-93	0.0190	11.4	0.315	19.9	0.756	0.0176	0.287	1815	0.572	0.167	1.40	1.44	35.7	0.0892	0.0444	566	68	1.8E-02	10.02	1.60	1.95	9.39	24.51	8.38	5.07	0.430	0.0600	0.1011	100
15	16-Mar-93	0.0200	12.0	0.348	20.7	0.796	0.0190	0.321	1897	0.582	0.171	1.40	1.45	35.8	0.0959	0.0460	576	70	2.2E-02	10.36	1.62	2.21	9.52	27.03	8.59	5.22	0.432	0.0707	0.1078	102
16	23-Mar-93	0.0210	12.2	0.412	21.7	0.834	0.0196	0.336	1974	0.593	0.182	1.41	1.47	35.9	0.1022	0.0476	585	71	2.4E-02	10.68	1.63	2.22	9.71	30.02	9.09	5.36	0.437	0.0776	0.1141	104
17	30-Mar-93	0.0219	12.4	0.454	22.4	0.856	0.0202	0.352	2030	0.601	0.184	1.41	1.47	36.0	0.1082	0.0491	593	72	2.8E-02	10.98	1.63	2.35	9.88	32.40	9.37	5.46	0.439	0.0791	0.1323	105
Maximum		0.0219	12.4	0.454	22.4	0.856	0.0202	0.352	2030	0.601	0.184	1.41	1.47	36.0	0.1082	0.0491	593	72	2.8E-02	10.98	1.63	2.35	9.88	32.40	9.37	5.46	0.439	0.0791	0.1323	105
Minimum		0.0036	3.3	0.055	3.2	0.062	0.0023	0.011	129	0.140	0.015	1.31	1.23	33.0	0.0046	0.0027	118	13	4.6E-04	1.37	1.10	0.10	1.64	0.47	0.22	0.27	0.015	0.0011	0.0046	51
Mean		0.0131	8.1	0.233	14.0	0.503	0.0136	0.180	1210	0.424	0.108	1.38	1.37	34.8	0.0558	0.0308	438	51	1.1E-02	7.10	1.47	1.27	6.89	14.84	5.58	3.66	0.319	0.0380	0.0637	81
Median		0.0139	8.2	0.231	14.7	0.526	0.0140	0.176	1263	0.462	0.125	1.39	1.38	34.9	0.0553	0.0359	479	56	1.0E-02	8.01	1.54	1.35	7.41	14.13	5.76	4.03	0.378	0.0446	0.0672	82
Mean Last 5 Weeks		0.0200	11.8	0.361	20.8	0.792	0.0187	0.313	1889	0.581	0.172	1.40	1.45	35.8	0.0956	0.0460	575	70	2.1E-02	10.35	1.61	2.10	9.51	27.26	8.68	5.20	0.428	0.0678	0.1100	101
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B14. Ore - Type 4

Pre-Test ABA & ICP Metals Data Eskay Creek Ore - Type 4		
Initial Sample Weight (dry g)		749
ABA Results:		
Paste pH		
% S (Total)		30.5
% SO4		0.2
% S (Sulphide)		30.43
TAP (tonne CaCO3/ktonne)		953
NP (tonne CaCO3/ktonne)		181
CO2 (%)		
CaNP (t CaCO3/ktonne)		0
NNP (tonne CaCO3/ktonne)		-772
NP/AP		0.19
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

Post-Test ABA & ICP Metals Data Eskay Creek Ore - Type 4		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		
TAP (tonne CaCO3/ktonne)		*Not*
NP (tonne CaCO3/ktonne)		*Available*
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown in italics, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Ore Type 4

		Analytical Results:									Sulphate Production:			
									Acidity	Alkalinity	SO4	Cumulative		
						Alkalinity	Acidity		Production	Production	Production	SO4	Remaining	Remaining
Week No.	Date	Volume	pH	Redox	Conductivity	(CaCO3	(CaCO3	Sulphate	Rate	Rate	Rate	Production	S	S (Sulphide)
		(mL)	(pH units)	(mV)	(umohs/cm)	mg/L)*	mg/L)*	(SO4 mg/L)*	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg)	(% of original)	(% of original)
0	01-Dec-92	379	5.86	221	1270	5	128	494	64.8	2.530	250	250	99.97	99.97
1	08-Dec-92	483	6.34	223	1734	5	29	624	18.7	3.224	402	652	99.93	99.93
2	15-Dec-92	424	5.27	286	1796	3	16	494	9.1	1.698	280	932	99.90	99.90
3	21-Dec-92	422	5.4	353	1485	*0.5*	21	416	11.8	0.282	234	1166	99.87	99.87
4	29-Dec-92	465	6.74	375	1556	4	11	468	6.8	2.483	291	1457	99.84	99.84
5	05-Jan-93	452	6.03	335	1500	3	16	399	9.7	1.810	241	1698	99.81	99.81
6	12-Jan-93	444	6.12	280	1117	2	23	399	13.6	1.186	237	1934	99.79	99.79
7	19-Jan-93	454	5.97	279	938	4	17	312	10.3	2.425	189	2123	99.77	99.77
8	26-Jan-93	462	6.39	195	906	6	16	429	9.9	3.701	265	2388	99.74	99.74
9	02-Feb-93	444	6.37	339	649	3	28	297	16.6	1.778	176	2564	99.72	99.72
10	09-Feb-93	485	6.87	317	1680	9	28	1029	18.1	5.828	666	3230	99.65	99.65
11	16-Feb-93	491	6.59	266	1470	10	39	945	25.6	6.555	619	3850	99.58	99.58
12	23-Feb-93	422	6.37	285	976	12	48	872	27.0	6.761	491	4341	99.53	99.52
13	02-Mar-93	455	6.43	288	1283	5	81	973	49.2	3.037	591	4932	99.46	99.46
14	09-Mar-93	473	6.74	243	1173	6	44	780	27.8	3.789	493	5425	99.41	99.41
15	16-Mar-93	483	6.46	225	1219	3	23	806	14.8	1.935	520	5945	99.35	99.35
16	23-Mar-93	461	6.99	213	1152	9	15	572	9.2	5.539	352	6297	99.31	99.31
17	30-Mar-93	472	6.59	195	1007	8	20	609	12.6	5.041	384	6680	99.27	99.27
Maximum		491	6.99	375	1796	12	128	1029	64.8	6.761	666	6680	99.97	99.97
Minimum		379	5.27	195	649	0.5	11	297	6.8	0.282	176	250	99.27	99.27
Mean		454	6.31	273	1273	5.4	34	607	19.8	3.311	371	3104	99.66	99.66
Median		458	6.38	280	1245	5.0	23	533	14.2	2.784	321	2476	99.73	99.73
Mean Last 5 Weeks		469	6.64	233	1167	6.2	37	748	22.7	3.868	468	5856	99.36	99.36
75% Remaining (Wks)													491	490
50% Remaining (Wks)													979	977
25% Remaining (Wks)													1468	1464
0% Remaining (Wks)													1956	1952

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 4

		Molar Ratios:					NP Consumption:										
								Total NP Consumption With Alkalinity Derived From:				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)
0	01-Dec-92	0.0097	111	0.95	1.09	0.95	260	265	99.85	263	99.85	284	99.84	248	99.86	456	99.75
1	08-Dec-92	0.0077	192	1.21	1.49	1.22	419	426	99.62	422	99.62	624	99.50	512	99.58	820	99.30
2	15-Dec-92	0.0058	354	1.77	2.07	1.77	291	295	99.46	293	99.46	604	99.16	516	99.30	574	98.98
3	21-Dec-92	0.0012	1609	1.71	1.87	1.72	244	245	99.32	244	99.32	455	98.91	420	99.06	476	98.72
4	29-Dec-92	0.0082	225	1.73	1.85	1.73	303	308	99.15	305	99.16	559	98.60	525	98.77	598	98.38
5	05-Jan-93	0.0072	248	1.66	1.81	1.67	251	254	99.01	253	99.02	453	98.35	420	98.54	492	98.11
6	12-Jan-93	0.0048	286	1.27	1.39	1.28	246	249	98.87	248	98.88	341	98.16	315	98.37	479	97.85
7	19-Jan-93	0.0123	132	1.49	1.64	1.50	197	202	98.76	199	98.77	324	97.99	296	98.20	384	97.64
8	26-Jan-93	0.0134	84	1.03	1.15	1.03	276	283	98.60	279	98.62	316	97.81	285	98.05	541	97.34
9	02-Feb-93	0.0097	112	0.99	1.10	0.99	183	187	98.50	185	98.51	201	97.70	182	97.95	350	97.14
10	09-Feb-93	0.0084	119	0.96	1.00	0.96	694	706	98.11	700	98.13	693	97.32	669	97.58	1370	96.39
11	16-Feb-93	0.0102	86	0.85	0.88	0.85	645	658	97.75	652	97.77	569	97.00	547	97.27	1265	95.69
12	23-Feb-93	0.0132	47	0.60	0.63	0.60	512	525	97.46	519	97.48	323	96.82	305	97.11	996	95.14
13	02-Mar-93	0.0049	153	0.72	0.76	0.72	616	622	97.11	619	97.14	469	96.57	444	96.86	1182	94.48
14	09-Mar-93	0.0074	117	0.83	0.87	0.83	513	521	96.83	517	96.85	448	96.32	428	96.62	998	93.93
15	16-Mar-93	0.0036	249	0.87	0.90	0.87	541	545	96.52	543	96.55	488	96.05	470	96.36	1068	93.34
16	23-Mar-93	0.0151	77	1.13	1.18	1.14	367	378	96.32	372	96.35	432	95.81	417	96.13	724	92.94
17	30-Mar-93	0.0126	70	0.85	0.89	0.85	400	410	96.09	405	96.12	355	95.61	339	95.95	787	92.51
Maximum		0.0151	1609	1.77	2.07	1.77	694	706	99.85	700	99.85	693	99.84	669	99.86	1370	99.75
Minimum		0.0012	47	0.60	0.63	0.60	183	187	96.09	185	96.12	201	95.61	182	95.95	350	92.51
Mean		0.0086	237	1.15	1.25	1.15	387	393	98.19	390	98.20	441	97.64	408	97.86	753	96.53
Median		0.0083	125	1.01	1.12	1.01	335	343	98.55	339	98.56	450	97.76	420	98.00	661	97.24
Mean Last 5 Weeks		0.0087	133	0.88	0.92	0.88	487	495	96.57	491	96.60	438	96.07	420	96.39	952	93.44
75% Remaining (Wks)									94		95		102		107		50
50% Remaining (Wks)									186		187		205		215		98
25% Remaining (Wks)									277		279		309		323		145
0% Remaining (Wks)									368		371		412		431		193

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 4

		Dissolved Metals*:																												
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Strontium	Titanium	Vanadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(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)
0	01-Dec-92	0.004	2.35	0.02		0.065	*0.0005*	*0.025*	195.3	0.182	0.1	0.014	0.027	1.93	0.01	0.006	16.3	6.1	*0.001*	1	0.136	0.09	11.4	0.16	0.62	0.254	0.024	*0.0025*	*0.01*	95.8
1	08-Dec-92	*0.0015*	1.49	*0.01*	4.69	0.123	0.006	0.06	315.1	0.141	*0.0025*	*0.0025*	0.031	0.38	0.01	*0.0025*	41.6	8	*0.001*	3	0.076	0.39	7.99	0.05	0.05	0.758	0.047	*0.0025*	*0.01*	26.57
2	15-Dec-92	*0.0015*	*0.005*	0.06	6.58	0.126	0.004	*0.025*	364.7	0.095	*0.0025*	*0.0025*	0.052	0.33	0.01	*0.0025*	36.7	3.9	*0.001*	*0.5*	*0*	0.09	6.57	*0.01*	*0.005*	0.759	0.005	*0.0025*	*0.01*	12.26
3	21-Dec-92	*0.0015*	0.85	0.01	5.38	0.122	*0.0005*	*0.025*	297	0.107	*0.0025*	0.005	0.03	0.31	0.01	0.005	15.2	3.11	*0.001*	2	0.006	0.35	4	0.01	*0.005*	0.417	0.048	*0.0025*	*0.01*	11.65
4	29-Dec-92	0.004	*0.005*	0.1	5.23	0.089	*0.0005*	*0.025*	338.2	0.092	0.018	0.016	0.026	0.08	0.01	0.016	13	2.05	*0.001*	*0.5*	*0*	0.08	1.5	0.11	*0.005*	0.503	0.015	0.009	*0.01*	7.83
5	05-Jan-93	*0.0015*	1.26	*0.01*	4.55	0.102	0.001	*0.025*	276.9	0.191	*0.0025*	0.01	0.03	0.29	0.01	*0.0025*	13	4.3	*0.001*	2	*0*	0.08	2.99	0.07	*0.005*	0.375	0.027	*0.0025*	*0.01*	15.33
6	12-Jan-93	*0.0015*	0.55	0.02	4.85	0.107	0.002	*0.025*	211.7	0.225	*0.0025*	*0.0025*	0.025	0.18	0.01	0.007	10.3	3.86	0.002	1	*0*	0.07	2.18	0.09	*0.005*	0.27	0.014	0.005	*0.01*	15.12
7	19-Jan-93	0.004	*0.005*	*0.01*	2.5	0.121	*0.0005*	0.12	193.9	0.227	0.01	*0.0025*	0.042	0.58	0.01	0.012	10.9	4.43	*0.001*	2	0.032	0.44	2.12	0.1	*0.005*	0.225	0.017	0.016	0.03	14.55
8	26-Jan-93	0.003	0.16	*0.01*	1.73	0.091	0.001	*0.025*	184.2	0.268	0.018	0.013	0.036	0.45	0.01	*0.0025*	11.4	4.29	*0.001*	1	*0*	0.09	2.57	0.05	*0.005*	0.249	0.006	0.009	0.05	14.93
9	02-Feb-93	0.003	0.06	0.02	1.32	0.071	0.002	*0.025*	122.5	0.203	0.012	0.007	0.016	0.21	0.01	*0.0025*	7.3	2.81	*0.001*	*0.5*	0.014	0.33	1.68	0.03	*0.005*	0.177	*0.0025*	*0.0025*	*0.01*	12.74
10	09-Feb-93	*0.0015*	2.05	*0.01*	3.29	0.086	0.001	*0.025*	413	0.202	*0.0025*	*0.0025*	0.054	0.34	0.01	*0.0025*	8.6	2.88	*0.001*	1	*0*	*0.02*	1.16	*0.01*	*0.005*	0.352	0.032	*0.0025*	*0.01*	12.24
11	16-Feb-93	0.009	1.04	*0.01*	2.87	0.062	*0.0005*	*0.025*	333.6	0.142	*0.0025*	*0.0025*	0.021	0.19	0.01	*0.0025*	6.5	6.57	0.004	*0.5*	*0*	*0.02*	2.62	*0.01*	*0.005*	0.364	*0.0025*	*0.0025*	*0.01*	13.64
12	23-Feb-93	*0.0015*	0.08	0.03	2.73	0.066	0.002	*0.025*	216.5	0.321	0.014	*0.0025*	0.022	0.22	0.01	*0.0025*	6.7	4.44	*0.001*	*0.5*	*0*	0.05	1.97	0.06	*0.005*	0.168	0.012	*0.0025*	0.05	20.18
13	02-Mar-93	0.005	1.09	*0.01*	3.68	0.076	0.003	0.007	292.6	0.522	0.02	*0.0025*	0.022	0.2	0.01	*0.0025*	8	6.34	*0.001*	*0.5*	*0*	*0.02*	1.43	0.12	*0.005*	0.253	*0.0025*	0.007	0.08	27.97
14	09-Mar-93	0.004	0.58	*0.01*	2.57	0.076	0.001	*0.025*	271.2	0.267	0.011	*0.0025*	0.042	0.27	0.01	*0.0025*	5.8	6.52	0.005	*0.5*	*0*	0.33	1.17	0.09	0.28	0.272	*0.0025*	0.013	0.05	17.47
15	16-Mar-93	0.003	0.51	0.03	2.72	0.076	0.001	*0.025*	291.3	0.216	0.01	*0.0025*	0.023	0.22	0.01	0.006	4.9	7.01	0.002	1	0.012	0.37	1.22	*0.01*	0.92	0.287	*0.0025*	0.011	0.03	18.02
16	23-Mar-93	*0.0015*	0.33	0.04	3.17	0.059	0.001	*0.025*	270.7	0.252	0.008	*0.0025*	0.019	0.19	0.01	*0.0025*	4.8	4.49	*0.001*	*0.5*	*0*	*0.02*	0.52	0.05	*0.005*	0.225	*0.0025*	0.009	0.04	11.7
17	30-Mar-93	*0.0015*	0.17	0.06	2.59	0.056	0.001	*0.025*	214.8	0.16	*0.0025*	0.017	0.02	0.2	0.01	*0.0025*	4.8	5.91	0.005	*0.5*	0.013	0.21	0.71	0.04	*0.005*	0.233	*0.0025*	*0.0025*	0.07	14.81
Maximum		0.009	2.35	0.1	6.58	0.126	0.006	0.12	413	0.522	0.1	0.017	0.054	1.93	0.01	0.016	41.6	8	0.005	3	0.136	0.44	11.4	0.16	0.92	0.759	0.048	0.016	0.08	95.8
Minimum		0.0015	0.005	0.01	1.32	0.056	0.0005	0.007	122.5	0.092	0.0025	0.0025	0.016	0.08	0.01	0.0025	4.8	2.05	0.001	0.5	0.003	0.02	0.52	0.01	0.005	0.168	0.0025	0.0025	0.01	7.83
Mean		0.0029	0.699	0.03	3.56	0.087	0.0016	0.031	266.8	0.212	0.0134	0.0061	0.030	0.365	0.01	0.0046	12.5	4.83	0.002	1.0	0.018	0.17	2.99	0.06	0.108	0.341	0.0147	0.0058	0.03	20.16
Median		0.0023	0.530	0.02	3.17	0.081	0.0010	0.025	274.1	0.203	0.0090	0.0025	0.027	0.245	0.01	0.0025	9.5	4.44	0.001	0.8	0.003	0.09	2.05	0.05	0.005	0.271	0.0090	0.0025	0.01	14.87
Mean Last 5 Weeks		0.0030	0.536	0.03	2.95	0.069	0.0014	0.021	268.1	0.283	0.0103	0.0054	0.025	0.216	0.01	0.0032	5.7	6.05	0.003	0.6	0.007	0.19	1.01	0.06	0.243	0.254	0.0025	0.0085	0.05	17.99
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 4

Metal Leach Rates:

Week No.	Date	Silver D-Ag (mg/kg/wk)	Aluminum D-Al (mg/kg/wk)	Arsenic D-As (mg/kg/wk)	Boron D-B (mg/kg/wk)	Barium D-Ba (mg/kg/wk)	Beryllium D-Be (mg/kg/wk)	Bismuth D-Bi (mg/kg/wk)	Calcium D-Ca (mg/kg/wk)	Cadmium D-Cd (mg/kg/wk)	Cobalt D-Co (mg/kg/wk)	Chromium D-Cr (mg/kg/wk)	Copper D-Cu (mg/kg/wk)	Iron D-Fe (mg/kg/wk)	Mercury D-Hg (mg/kg/wk)
0	01-Dec-92	2.0E-03	1.1891	0.0101		0.033	2.5E-04	0.0127	99	0.092	0.0506	0.0071	0.0137	0.977	0.0051
1	08-Dec-92	9.7E-04	0.9608	0.0064	3.02	0.079	3.9E-03	0.0387	203	0.091	0.0016	0.0016	0.0200	0.245	0.0064
2	15-Dec-92	8.5E-04	0.0028	0.0340	3.72	0.071	2.3E-03	0.0142	206	0.054	0.0014	0.0014	0.0294	0.187	0.0057
3	21-Dec-92	8.5E-04	0.4789	0.0056	3.03	0.069	2.8E-04	0.0141	167	0.060	0.0014	0.0028	0.0169	0.175	0.0056
4	29-Dec-92	2.5E-03	0.0031	0.0621	3.25	0.055	3.1E-04	0.0155	210	0.057	0.0112	0.0099	0.0161	0.050	0.0062
5	05-Jan-93	9.1E-04	0.7604	0.0060	2.75	0.062	6.0E-04	0.0151	167	0.115	0.0015	0.0060	0.0181	0.175	0.0060
6	12-Jan-93	8.9E-04	0.3260	0.0119	2.88	0.063	1.2E-03	0.0148	125	0.133	0.0015	0.0015	0.0148	0.107	0.0059
7	19-Jan-93	2.4E-03	0.0030	0.0061	1.52	0.073	3.0E-04	0.0727	118	0.138	0.0061	0.0015	0.0255	0.352	0.0061
8	26-Jan-93	1.9E-03	0.0987	0.0062	1.07	0.056	6.2E-04	0.0154	114	0.165	0.0111	0.0080	0.0222	0.278	0.0062
9	02-Feb-93	1.8E-03	0.0356	0.0119	0.78	0.042	1.2E-03	0.0148	73	0.120	0.0071	0.0041	0.0095	0.124	0.0059
10	09-Feb-93	9.7E-04	1.3274	0.0065	2.13	0.056	6.5E-04	0.0162	267	0.131	0.0016	0.0016	0.0350	0.220	0.0065
11	16-Feb-93	5.9E-03	0.6818	0.0066	1.88	0.041	3.3E-04	0.0164	219	0.093	0.0016	0.0016	0.0138	0.125	0.0066
12	23-Feb-93	8.5E-04	0.0451	0.0169	1.54	0.037	1.1E-03	0.0141	122	0.181	0.0079	0.0014	0.0124	0.124	0.0056
13	02-Mar-93	3.0E-03	0.6621	0.0061	2.24	0.046	1.8E-03	0.0043	178	0.317	0.0121	0.0015	0.0134	0.121	0.0061
14	09-Mar-93	2.5E-03	0.3663	0.0063	1.62	0.048	6.3E-04	0.0158	171	0.169	0.0069	0.0016	0.0265	0.171	0.0063
15	16-Mar-93	1.9E-03	0.3289	0.0193	1.75	0.049	6.4E-04	0.0161	188	0.139	0.0064	0.0016	0.0148	0.142	0.0064
16	23-Mar-93	9.2E-04	0.2031	0.0246	1.95	0.036	6.2E-04	0.0154	167	0.155	0.0049	0.0015	0.0117	0.117	0.0062
17	30-Mar-93	9.5E-04	0.1071	0.0378	1.63	0.035	6.3E-04	0.0158	135	0.101	0.0016	0.0107	0.0126	0.126	0.0063
Maximum		5.9E-03	1.3274	0.0621	3.72	0.079	3.9E-03	0.0727	267	0.317	0.0506	0.0107	0.0350	0.977	0.0066
Minimum		8.5E-04	0.0028	0.0056	0.78	0.033	2.5E-04	0.0043	73	0.054	0.0014	0.0014	0.0095	0.050	0.0051
Mean		1.8E-03	0.4211	0.0158	2.16	0.053	9.6E-04	0.0190	163	0.128	0.0076	0.0036	0.0181	0.212	0.0061
Median		1.4E-03	0.3275	0.0083	1.95	0.052	6.3E-04	0.0154	167	0.126	0.0055	0.0016	0.0155	0.156	0.0061
Mean Last 5 Weeks		1.9E-03	0.3335	0.0188	1.84	0.043	8.7E-04	0.0135	168	0.176	0.0064	0.0034	0.0158	0.135	0.0063
75% Remaining (Wks)															
50% Remaining (Wks)															
25% Remaining (Wks)															
0% Remaining (Wks)															

Week No.	Date	Lanthanum D-La (mg/kg/wk)	Magnesium D-Mg (mg/kg/wk)	Manganese D-Mn (mg/kg/wk)	Molybdenum D-Mo (mg/kg/wk)	Sodium D-Na (mg/kg/wk)	Nickel D-Ni (mg/kg/wk)	Phosphorus D-P (mg/kg/wk)	Lead D-Pb (mg/kg/wk)	Antimony D-Sb (mg/kg/wk)	Silicon D-Si (mg/kg/wk)	Strontium D-Sr (mg/kg/wk)	Titanium D-Ti (mg/kg/wk)	Vanadium D-V (mg/kg/wk)	Tungsten D-W (mg/kg/wk)	Zinc D-Zn (mg/kg/wk)
0	01-Dec-92	0.0030	8.2	3.09	5.1E-04	0.51	0.0688	0.046	5.77	0.0810	0.3137	0.129	0.0121	0.0013	0.0051	48.6
1	08-Dec-92	0.0016	26.8	5.16	6.4E-04	1.93	0.0490	0.251	5.15	0.0322	0.0322	0.489	0.0303	0.0016	0.0064	17.1
2	15-Dec-92	0.0014	20.8	2.21	5.7E-04	0.28	0.0014	0.051	3.72	0.0057	0.0028	0.430	0.0028	0.0014	0.0057	6.9
3	21-Dec-92	0.0028	8.6	1.75	5.6E-04	1.13	0.0034	0.197	2.25	0.0056	0.0028	0.235	0.0270	0.0014	0.0056	6.6
4	29-Dec-92	0.0099	8.1	1.27	6.2E-04	0.31	0.0016	0.050	0.93	0.0683	0.0031	0.312	0.0093	0.0056	0.0062	4.9
5	05-Jan-93	0.0015	7.8	2.59	6.0E-04	1.21	0.0015	0.048	1.80	0.0422	0.0030	0.226	0.0163	0.0015	0.0060	9.3
6	12-Jan-93	0.0041	6.1	2.29	1.2E-03	0.59	0.0015	0.041	1.29	0.0534	0.0030	0.160	0.0083	0.0030	0.0059	9.0
7	19-Jan-93	0.0073	6.6	2.69	6.1E-04	1.21	0.0194	0.267	1.29	0.0606	0.0030	0.136	0.0103	0.0097	0.0182	8.8
8	26-Jan-93	0.0015	7.0	2.65	6.2E-04	0.62	0.0015	0.056	1.59	0.0308	0.0031	0.154	0.0037	0.0056	0.0308	9.2
9	02-Feb-93	0.0015	4.3	1.67	5.9E-04	0.30	0.0083	0.196	1.00	0.0178	0.0030	0.105	0.0015	0.0015	0.0059	7.6
10	09-Feb-93	0.0016	5.6	1.86	6.5E-04	0.65	0.0016	0.013	0.75	0.0065	0.0032	0.228	0.0207	0.0016	0.0065	7.9
11	16-Feb-93	0.0016	4.3	4.31	2.6E-03	0.33	0.0016	0.013	1.72	0.0066	0.0033	0.239	0.0016	0.0016	0.0066	8.9
12	23-Feb-93	0.0014	3.8	2.50	5.6E-04	0.28	0.0014	0.028	1.11	0.0338	0.0028	0.095	0.0068	0.0014	0.0282	11.4
13	02-Mar-93	0.0015	4.9	3.85	6.1E-04	0.30	0.0015	0.012	0.87	0.0729	0.0030	0.154	0.0015	0.0043	0.0486	17.0
14	09-Mar-93	0.0016	3.7	4.12	3.2E-03	0.32	0.0016	0.208	0.74	0.0568	0.1768	0.172	0.0016	0.0082	0.0316	11.0
15	16-Mar-93	0.0039	3.2	4.52	1.3E-03	0.64	0.0077	0.239	0.79	0.0064	0.5933	0.185	0.0016	0.0071	0.0193	11.6
16	23-Mar-93	0.0015	3.0	2.76	6.2E-04	0.31	0.0015	0.012	0.32	0.0308	0.0031	0.138	0.0015	0.0055	0.0246	7.2
17	30-Mar-93	0.0016	3.0	3.72	3.2E-03	0.32	0.0082	0.132	0.45	0.0252	0.0032	0.147	0.0016	0.0016	0.0441	9.3
Maximum		0.0099	26.8	5.16	3.2E-03	1.93	0.0688	0.267	5.77	0.0810	0.5933	0.489	0.0303	0.0097	0.0486	48.5
Minimum		0.0014	3.0	1.27	5.1E-04	0.28	0.0014	0.012	0.32	0.0056	0.0028	0.095	0.0015	0.0013	0.0051	4.9
Mean		0.0028	7.5	2.94	1.1E-03	0.62	0.0101	0.103	1.75	0.0354	0.0644	0.207	0.0088	0.0035	0.0170	11.8
Median		0.0016	5.8	2.67	6.2E-04	0.42	0.0016	0.050	1.20	0.0315	0.0031	0.166	0.0052	0.0016	0.0065	9.1
Mean Last 5 Weeks		0.0020	3.5	3.80	1.8E-03	0.38	0.0041	0.121	0.63	0.0384	0.1559	0.159	0.0016	0.0053	0.0337	11.2
75% Remaining (Wks)																
50% Remaining (Wks)																
25% Remaining (Wks)																
0% Remaining (Wks)																

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 4

		Cumulative Metal Leach Rates:																												
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Manganese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silcon	Strontium	Titanium	Vanadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	01-Dec-92	0.0020	1.19	0.010		0.033	2.5E-04	0.013	99	0.092	0.051	0.0071	0.014	0.98	0.0051	0.0030	8.2	3.1	5.1E-04	0.51	0.069	0.05	5.8	0.081	0.31	0.13	0.012	0.0013	0.0051	48
1	08-Dec-92	0.0030	2.15	0.017	3.0	0.112	4.1E-03	0.051	302	0.183	0.052	0.0087	0.034	1.22	0.0115	0.0046	35.1	8.2	1.2E-03	2.44	0.118	0.30	10.9	0.113	0.35	0.62	0.042	0.0029	0.0115	66
2	15-Dec-92	0.0038	2.15	0.051	6.7	0.184	6.4E-03	0.065	508	0.237	0.054	0.0101	0.063	1.41	0.0172	0.0061	55.8	10.5	1.7E-03	2.72	0.119	0.35	14.6	0.119	0.35	1.05	0.045	0.0043	0.0172	73
3	21-Dec-92	0.0047	2.63	0.056	9.8	0.252	6.7E-03	0.080	676	0.297	0.055	0.0129	0.080	1.58	0.0228	0.0089	64.4	12.2	2.3E-03	3.85	0.123	0.55	16.9	0.124	0.35	1.28	0.072	0.0057	0.0228	79
4	29-Dec-92	0.0072	2.63	0.118	13.0	0.308	7.0E-03	0.095	886	0.354	0.066	0.0229	0.096	1.63	0.0290	0.0188	72.5	13.5	2.9E-03	4.16	0.124	0.59	17.8	0.193	0.35	1.59	0.082	0.0113	0.0290	84
5	05-Jan-93	0.0081	3.40	0.124	15.8	0.369	7.6E-03	0.110	1053	0.469	0.068	0.0289	0.114	1.81	0.0350	0.0203	80.3	16.1	3.5E-03	5.37	0.126	0.64	19.6	0.235	0.36	1.82	0.098	0.0128	0.0350	93
6	12-Jan-93	0.0090	3.72	0.136	18.6	0.433	8.8E-03	0.125	1178	0.603	0.069	0.0304	0.129	1.91	0.0410	0.0245	86.4	18.4	4.7E-03	5.96	0.127	0.68	20.9	0.288	0.36	1.98	0.106	0.0158	0.0410	102
7	19-Jan-93	0.0114	3.72	0.142	20.2	0.506	9.1E-03	0.198	1296	0.740	0.075	0.0319	0.155	2.27	0.0470	0.0317	93.0	21.0	5.3E-03	7.17	0.147	0.95	22.2	0.349	0.36	2.12	0.117	0.0255	0.0592	111
8	26-Jan-93	0.0132	3.82	0.148	21.2	0.562	9.7E-03	0.213	1410	0.906	0.086	0.0399	0.177	2.54	0.0532	0.0333	100.1	23.7	5.9E-03	7.79	0.148	1.01	23.8	0.380	0.37	2.27	0.120	0.0310	0.0900	120
9	02-Feb-93	0.0150	3.86	0.160	22.0	0.604	1.1E-02	0.228	1482	1.026	0.093	0.0441	0.186	2.67	0.0591	0.0348	104.4	25.4	6.5E-03	8.09	0.156	1.20	24.8	0.398	0.37	2.38	0.122	0.0325	0.0959	128
10	09-Feb-93	0.0160	5.19	0.167	24.1	0.660	1.2E-02	0.244	1750	1.157	0.095	0.0457	0.221	2.89	0.0656	0.0364	110.0	27.2	7.2E-03	8.73	0.158	1.22	25.5	0.404	0.37	2.60	0.142	0.0341	0.1024	136
11	16-Feb-93	0.0219	5.87	0.173	26.0	0.700	1.2E-02	0.261	1968	1.250	0.097	0.0473	0.235	3.01	0.0722	0.0380	114.2	31.5	9.8E-03	9.06	0.160	1.23	27.3	0.411	0.38	2.84	0.144	0.0358	0.1090	145
12	23-Feb-93	0.0227	5.91	0.190	27.6	0.738	1.3E-02	0.275	2090	1.431	0.105	0.0487	0.247	3.14	0.0778	0.0394	118.0	34.0	1.0E-02	9.34	0.161	1.26	28.4	0.444	0.38	2.94	0.151	0.0372	0.1371	156
13	02-Mar-93	0.0258	6.57	0.196	29.8	0.784	1.5E-02	0.279	2268	1.748	0.117	0.0502	0.261	3.26	0.0839	0.0410	122.9	37.9	1.1E-02	9.65	0.163	1.27	29.2	0.517	0.38	3.09	0.152	0.0414	0.1857	173
14	09-Mar-93	0.0283	6.94	0.203	31.4	0.832	1.5E-02	0.295	2439	1.917	0.124	0.0518	0.287	3.43	0.0902	0.0425	126.5	42.0	1.4E-02	9.96	0.164	1.48	30.0	0.574	0.56	3.26	0.154	0.0496	0.2173	184
15	16-Mar-93	0.0302	7.27	0.222	33.2	0.881	1.6E-02	0.311	2627	2.056	0.130	0.0534	0.302	3.57	0.0966	0.0464	129.7	46.5	1.5E-02	10.61	0.172	1.72	30.8	0.581	1.15	3.45	0.156	0.0567	0.2366	196
16	23-Mar-93	0.0312	7.47	0.247	35.1	0.917	1.7E-02	0.326	2794	2.211	0.135	0.0550	0.314	3.69	0.1028	0.0479	132.6	49.3	1.6E-02	10.92	0.173	1.73	31.1	0.611	1.16	3.59	0.157	0.0623	0.2613	203
17	30-Mar-93	0.0321	7.58	0.284	36.8	0.952	1.7E-02	0.342	2929	2.312	0.137	0.0657	0.326	3.81	0.1091	0.0495	135.7	53.0	1.9E-02	11.23	0.182	1.86	31.5	0.637	1.16	3.73	0.159	0.0638	0.3054	212
Maximum		0.0321	7.58	0.284	36.8	0.952	1.7E-02	0.342	2929	2.312	0.137	0.0657	0.326	3.81	0.1091	0.0495	135.7	53.0	1.9E-02	11.23	0.182	1.86	31.5	0.637	1.16	3.73	0.159	0.0638	0.3054	212
Minimum		0.0020	1.19	0.010	3.0	0.033	2.5E-04	0.013	99	0.092	0.051	0.0071	0.014	0.98	0.0051	0.0030	8.2	3.1	5.1E-04	0.51	0.069	0.05	5.8	0.081	0.31	0.13	0.012	0.0013	0.0051	48
Mean		0.0159	4.56	0.147	22.0	0.546	1.0E-02	0.195	1542	1.055	0.089	0.0364	0.180	2.49	0.0566	0.0293	93.9	26.3	7.6E-03	7.09	0.144	1.00	22.8	0.359	0.50	2.26	0.113	0.0291	0.1090	128
Median		0.0141	3.84	0.154	22.0	0.583	1.0E-02	0.221	1446	0.966	0.090	0.0420	0.181	2.61	0.0562	0.0340	102.2	24.5	6.2E-03	7.94	0.152	1.10	24.3	0.389	0.37	2.32	0.121	0.0318	0.0930	124
Mean Last 5 Weeks		0.0295	7.17	0.230	33.3	0.873	1.6E-02	0.311	2611	2.049	0.128	0.0552	0.298	3.55	0.0965	0.0455	129.5	45.7	1.5E-02	10.47	0.171	1.61	30.5	0.584	0.88	3.42	0.156	0.0548	0.2413	194
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

B15. Ore - Type 5

Pre-Test ABA & ICP Metals Data Eskay Creek Ore - Type 5		
Initial Sample Weight (dry g)		744
ABA Results:		
Paste pH		
% S (Total)		7.2
% SO4		0.06
% S (Sulphide)		7.18
TAP (tonne CaCO3/ktonne)		225
NP (tonne CaCO3/ktonne)		14.4
CO2 (%)		
CaNP (t CaCO3/ktonne)		0
NNP (tonne CaCO3/ktonne)		-211
NP/AP		0.06
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

Post-Test ABA & ICP Metals Data Eskay Creek Ore - Type 5		
Final Sample Weight (dry g)		
ABA Results:		
Paste pH		
% S (Total)		
% SO4		
% S (Sulphide)		
TAP (tonne CaCO3/ktonne)		*Not*
NP (tonne CaCO3/ktonne)		*Available*
CO2 (%)		
CaNP (t CaCO3/ktonne)		
NNP (tonne CaCO3/ktonne)		
NP/AP		
Surface Area:		
Surface Area (m2/kg)		NA
Metals: (ppm)		
Silver	Ag	
Aluminum	Al	
Arsenic	As	
Boron	B	
Barium	Ba	
Berylium	Be	
Bismuth	Bi	
Calcium	Ca	
Cadium	Cd	
Cobalt	Cr	*Not*
Chromium	Co	*Available*
Copper	Cu	
Iron	Fe	
Mercury	Hg	
Lanthanum	La	
Magnesium	Mg	
Manganese	Mn	
Molybdenium	Mo	
Sodium	Na	
Nickel	Ni	
Phosphorus	P	
Lead	Pb	
Antimony	Sb	
Silcon	Si	
Strontium	Sr	
Titanium	Ti	
Vanadium	V	
Tungsten	W	
Zinc	Zn	

NOTE: When metals were reported as < detection limit, half the value of the detection limit is shown in italics, and was used in subsequent calculations.

Eskay Creek Humidity Cell Data - Ore Type 5

		Analytical Results:									Sulphate Production:			
									Acidity Production	Alkalinity Production	SO4 Production	Cumulative SO4	Remaining	Remaining
Week No.	Date	Volume	pH	Redox	Conductivity	Alkalinity (CaCO3	Acidity (CaCO3	Sulphate	Rate	Rate	Rate	Production	S	S (Sulphide)
		(mL)	(pH units)	(mV)	(umohs/cm)	mg/L)*	mg/L)*	(SO4 mg/L)*	(mg/kg/wk)	(mg/kg/wk)	(mg/kg/wk)	(mg/kg)	(% of original)	(% of original)
0	01-Dec-92	319	3.17	368	1100	*0.5*	119	432	51.0	0.214	185	185	99.91	99.91
1	08-Dec-92	486	4.49	183	1060	2	91	468	59.4	1.306	306	491	99.77	99.77
2	15-Dec-92	456	4.97	260	819	1	20	392	12.3	0.613	240	731	99.66	99.66
3	21-Dec-92	447	6.09	276	456	2	10	208	6.0	1.202	125	856	99.60	99.60
4	29-Dec-92	440	6.3	302	378	1	13	155	7.7	0.591	92	948	99.56	99.56
5	05-Jan-93	423	6.72	300	334	1	15	155	8.5	0.569	88	1036	99.52	99.52
6	12-Jan-93	440	5.84	252	338	2	17	85	10.1	1.183	50	1086	99.50	99.50
7	19-Jan-93	452	5.31	291	300	*0.5*	17	108	10.3	0.304	66	1152	99.47	99.47
8	26-Jan-93	477	6.01	197	281	1	17	81	10.9	0.641	52	1204	99.44	99.44
9	02-Feb-93	468	6.15	218	202	*0.5*	27	56	17.0	0.315	35	1239	99.43	99.42
10	09-Feb-93	484	6.05	219	223	1	31	58	20.2	0.651	38	1277	99.41	99.41
11	16-Feb-93	466	6.14	214	193	1	31	66	19.4	0.626	41	1318	99.39	99.39
12	23-Feb-93	452	6.31	214	234	3	32	74	19.4	1.823	45	1363	99.37	99.37
13	02-Mar-93	465	6.25	216	191	2	44	68	27.5	1.250	43	1406	99.35	99.35
14	09-Mar-93	492	6.19	210	187	1	32	60	21.2	0.661	40	1445	99.33	99.33
15	16-Mar-93	500	6.28	207	172	2	18	70	12.1	1.344	47	1492	99.31	99.31
16	23-Mar-93	491	6.48	202	182	1	10	54	6.6	0.660	36	1528	99.29	99.29
17	30-Mar-93	438	6.13	190	252	2	19	72	11.2	1.177	42	1570	99.27	99.27
Maximum		500	6.72	368	1100	3	119	468	59.4	1.823	306	1570	99.91	99.91
Minimum		319	3.17	183	172	0.5	10	54	6.0	0.214	35	185	99.27	99.27
Mean		455	5.83	240	383	1.4	31	148	18.4	0.841	87	1129	99.48	99.48
Median		461	6.14	217	267	1.0	20	78	12.2	0.655	49	1221	99.43	99.43
Mean Last 5 Weeks		477	6.27	205	197	1.6	25	65	15.7	1.019	41	1488	99.31	99.31
75% Remaining (Wks)													1280	1277
50% Remaining (Wks)													2581	2574
25% Remaining (Wks)													3882	3872
0% Remaining (Wks)													5183	5169

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 5

		Molar Ratios:					NP Consumption:										
								Total NP Consumption With Alkalinity Derived From:				Carbonate	Remaining	Feldspar	Remaining		
					Carbonate	Feldspar	Ideal NP	Atmospheric	Remaining		Remaining	Molar Ratio	NP	Molar Ratio	NP	Empirical	Remaining
		Alk	Ca+Mg		(Ba+Ca+	(Ca+	Consumption	CO2	NP	CaCO3	NP	NP	Carbonate	NP	Feldspar	NP	NP
Week No.	Date	/SO4	/Alk	Ca/SO4	Mg+Mn+	(Na/2))	To pH 6	Non-Carb System	Non-Carb System	Carb System	Carb System	Consumption	Molar Ratio	Consumption	Molar Ratio	Consumption	Empirical
					Sr)/SO4	/SO4	(mg/kg/wk)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)	(mg/kg/wk)	(%)
0	01-Dec-92	0.0011	747	0.28	0.84	0.29	193	193	98.66	193	98.66	163	98.87	56	99.61	335	97.67
1	08-Dec-92	0.0041	262	0.42	1.10	0.43	318	321	96.43	320	96.44	349	96.45	136	98.67	577	93.66
2	15-Dec-92	0.0024	413	0.41	1.03	0.41	250	251	94.68	251	94.70	258	94.66	103	97.96	488	90.27
3	21-Dec-92	0.0092	103	0.43	0.97	0.46	130	133	93.76	131	93.78	126	93.78	60	97.54	254	88.51
4	29-Dec-92	0.0062	141	0.39	0.89	0.39	95	97	93.09	96	93.12	85	93.19	38	97.28	183	87.23
5	05-Jan-93	0.0062	135	0.38	0.86	0.40	92	93	92.44	92	92.47	79	92.65	37	97.02	175	86.02
6	12-Jan-93	0.0226	53	0.54	4.20	0.56	52	55	92.06	54	92.10	220	91.12	29	96.82	95	85.36
7	19-Jan-93	0.0044	209	0.45	0.95	0.51	68	69	91.58	69	91.63	65	90.67	35	96.58	126	84.48
8	26-Jan-93	0.0118	99	0.61	1.21	0.66	54	55	91.20	55	91.25	65	90.21	36	96.33	97	83.81
9	02-Feb-93	0.0086	146	0.57	1.28	0.59	37	37	90.94	37	90.99	47	89.89	22	96.18	56	83.42
10	09-Feb-93	0.0165	78	0.66	1.32	0.73	39	41	90.66	40	90.71	52	89.53	29	95.98	58	83.01
11	16-Feb-93	0.0145	58	0.45	0.87	0.47	43	44	90.35	44	90.41	37	89.27	20	95.84	67	82.55
12	23-Feb-93	0.0389	23	0.41	0.90	0.43	47	50	90.00	49	90.07	42	88.98	20	95.70	74	82.03
13	02-Mar-93	0.0282	31	0.42	0.89	0.43	44	47	89.68	46	89.75	39	88.70	19	95.57	61	81.61
14	09-Mar-93	0.0160	54	0.42	0.88	0.44	41	43	89.38	42	89.46	36	88.45	18	95.44	62	81.18
15	16-Mar-93	0.0274	31	0.40	0.86	0.42	49	52	89.02	50	89.11	42	88.15	20	95.30	86	80.58
16	23-Mar-93	0.0178	56	0.47	1.01	0.49	37	38	88.75	38	88.85	38	87.89	18	95.17	68	80.11
17	30-Mar-93	0.0267	40	0.51	1.09	0.52	44	47	88.43	45	88.54	48	87.56	23	95.01	77	79.58
Maximum		0.0389	747	0.66	4.20	0.73	318	321	98.66	320	98.66	349	98.87	136	99.61	577	97.67
Minimum		0.0011	23	0.28	0.84	0.29	37	37	88.43	37	88.54	36	87.56	18	95.01	56	79.58
Mean		0.0146	149	0.46	1.17	0.48	91	93	91.73	92	91.78	100	91.11	40	96.55	163	85.06
Median		0.0132	89	0.43	0.96	0.45	51	53	91.07	52	91.12	58	90.05	29	96.25	90	83.61
Mean Last 5 Weeks		0.0232	42	0.44	0.95	0.46	43	45	89.05	44	89.14	41	88.15	20	95.30	71	80.61
75% Remaining (Wks)									60		61		61		163		26
50% Remaining (Wks)									139		143		150		344		77
25% Remaining (Wks)									219		224		238		526		128
0% Remaining (Wks)									299		305		326		708		179

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 5

		Dissolved Metals*:																												
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Manganese	Molybdenum	Sodium	Nickel	Phosphorus	Lead	Antimony	Silicon	Strontium	Titanium	Vanadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(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)
0	01-Dec-92	0.006	3.29	0.05		0.038	0.004	*0.025*	50.2	0.062	0.094	0.028	0.074	15.28	*0.01*	*0.0025*	60.3	4.9	0.009	2	0.081	0.37	4.72	0.04	0.75	0.19	0.043	0.011	*0.01*	25.3
1	08-Dec-92	*0.0015*	0.84	*0.01*	1.86	0.079	0.004	*0.025*	81.4	0.027	0.022	0.01	0.021	30.71	*0.01*	*0.0025*	77.9	8.11	*0.001*	2	0.074	0.51	4.27	0.04	2.1	0.43	0.019	*0.0025*	*0.01*	15
2	15-Dec-92	0.004	0.14	*0.01*	1.34	0.082	0.002	*0.025*	66.7	0.041	0.024	0.005	0.016	4.13	0.02	*0.0025*	59.9	6.23	*0.001*	*0.5*	0.055	0.27	3.07	0.03	1.89	0.335	*0.0025*	*0.0025*	*0.01*	7.17
3	21-Dec-92	*0.0015*	1.19	*0.01*	0.82	0.064	*0.0005*	*0.025*	37.5	0.038	0.017	0.007	0.014	0.45	*0.01*	*0.0025*	27.1	3.33	*0.001*	3	0.044	0.29	2.56	0.04	1.38	0.243	0.04	0.005	0.03	6.72
4	29-Dec-92	*0.0015*	0.58	*0.01*	0.66	0.031	*0.0005*	*0.025*	25.1	0.034	*0.0025*	*0.0025*	0.004	0.17	*0.01*	*0.0025*	19	2.32	*0.001*	*0.5*	0.011	0.11	3.35	*0.01*	1.19	0.223	*0.0025*	*0.0025*	*0.01*	7.55
5	05-Jan-93	*0.0015*	1.19	*0.01*	0.69	0.05	0.001	*0.025*	24.4	0.056	0.023	0.011	0.016	0.33	*0.01*	*0.0025*	18	2.33	*0.001*	2	0.048	0.25	3.38	0.03	1.11	0.255	0.027	*0.0025*	*0.01*	9.77
6	12-Jan-93	*0.0015*	0.79	*0.01*	0.86	0.044	0.001	*0.025*	19.1	0.059	0.024	0.01	0.013	0.28	*0.01*	*0.0025*	14.2	1.77	0.006	1	0.054	0.1	2.87	0.04	1.01	231	0.013	0.008	*0.01*	9.61
7	19-Jan-93	*0.0015*	*0.005*	*0.01*	0.53	0.074	0.002	0.1	20.3	0.068	0.028	0.011	0.037	0.76	*0.01*	*0.0025*	13.1	1.76	0.007	3	0.039	0.42	5.64	0.07	*0.005*	0.226	0.026	0.018	0.04	10.46
8	26-Jan-93	*0.0015*	0.92	*0.01*	0.42	0.07	0.001	0.16	20.7	0.07	0.024	0.011	0.024	0.4	*0.01*	*0.0025*	11.6	1.65	0.008	2	0.042	0.27	4.49	0.03	1.4	0.239	0.01	0.014	0.01	10.01
9	02-Feb-93	*0.0015*	*0.005*	*0.01*	0.46	0.046	0.001	0.07	13.3	0.054	0.01	0.005	0.01	0.24	*0.01*	*0.0025*	9.7	1.22	0.004	*0.5*	0.051	0.15	3.71	*0.01*	0.99	0.201	0.01	0.006	*0.01*	9.47
10	09-Feb-93	*0.0015*	1.39	*0.01*	0.34	0.066	*0.0005*	*0.025*	15.9	0.052	*0.0025*	*0.0025*	0.009	0.41	*0.01*	*0.0025*	9.3	1.27	*0.001*	2	0.009	0.34	3.78	*0.01*	1.39	0.198	0.006	*0.0025*	*0.01*	9.76
11	16-Feb-93	*0.0015*	0.22	*0.01*	0.41	0.044	0.001	*0.025*	12.4	0.06	0.008	*0.0025*	0.009	0.22	*0.01*	*0.0025*	6.6	1.17	0.008	*0.5*	0.015	0.05	3.46	*0.01*	1.29	0.198	0.005	0.006	0.03	10.27
12	23-Feb-93	*0.0015*	0.4	*0.01*	0.49	0.047	*0.0005*	*0.025*	12.7	0.053	0.008	*0.0025*	0.009	0.2	*0.01*	*0.0025*	8.7	1.23	*0.001*	*0.5*	0.006	0.09	3.29	0.05	1.34	0.186	0.012	*0.0025*	*0.01*	11.85
13	02-Mar-93	*0.0015*	0.67	*0.01*	0.4	0.04	*0.0005*	0.08	11.9	0.058	0.028	0.009	0.018	0.21	*0.01*	*0.0025*	7.8	1.13	*0.001*	*0.5*	0.006	*0.02*	3.6	0.05	1.02	0.016	0.006	0.011	*0.01*	12.11
14	09-Mar-93	*0.0015*	0.6	*0.01*	0.31	0.04	0.002	0.06	10.5	0.049	0.01	*0.0025*	0.017	0.35	*0.01*	*0.0025*	6.7	0.99	0.005	*0.5*	0.034	0.2	3.69	0.05	1.26	0.14	0.005	0.01	0.03	10.47
15	16-Mar-93	*0.0015*	0.5	*0.01*	0.35	0.038	0.001	0.09	11.7	0.054	*0.0025*	*0.0025*	0.017	0.36	*0.01*	*0.0025*	7.8	1.16	0.003	*0.5*	0.019	0.22	2.95	*0.01*	1.37	0.158	*0.0025*	0.017	*0.01*	12.01
16	23-Mar-93	*0.0015*	0.32	*0.01*	0.36	0.046	*0.0005*	*0.025*	10.7	0.039	0.009	*0.0025*	0.01	0.25	*0.01*	*0.0025*	7	1.01	0.005	*0.5*	0.006	*0.02*	3.35	*0.01*	1.2	0.14	*0.0025*	0.005	0.02	9.67
17	30-Mar-93	*0.0015*	0.21	0.03	0.55	0.017	0.001	*0.025*	15.2	0.067	0.01	*0.0025*	0.013	0.14	*0.01*	*0.0025*	10.1	1.46	0.006	*0.5*	0.033	0.12	3.68	0.01	0.95	0.183	0.0025	0.007	0.05	13.69
Maximum		0.006	3.29	0.05	1.86	0.082	0.004	0.16	81.4	0.07	0.094	0.028	0.074	30.71	0.02	0.0025	77.9	8.11	0.009	3	0.081	0.51	5.64	0.07	2.1	231	0.043	0.018	0.05	25.3
Minimum		0.0015	0.005	0.01	0.31	0.017	0.0005	0.025	10.5	0.027	0.0025	0.0025	0.004	0.14	0.01	0.0025	6.6	0.99	0.001	0.5	0.006	0.02	2.56	0.01	0.005	0.016	0.0025	0.0025	0.01	6.72
Mean		0.0019	0.737	0.01	0.64	0.051	0.0013	0.048	25.5	0.052	0.0193	0.0071	0.018	3.049	0.01	0.0025	20.8	2.39	0.004	1.2	0.035	0.21	3.66	0.03	1.203	13.031	0.0130	0.0074	0.02	11.16
Median		0.0015	0.590	0.01	0.49	0.046	0.0010	0.025	17.5	0.054	0.0135	0.0050	0.015	0.340	0.01	0.0025	10.9	1.56	0.004	0.5	0.037	0.21	3.53	0.03	1.230	0.200	0.0080	0.0060	0.01	10.14
Mean Last 5 Weeks		0.0015	0.460	0.01	0.39	0.036	0.0010	0.056	12.0	0.053	0.0119	0.0038	0.015	0.262	0.01	0.0025	7.9	1.15	0.004	0.5	0.020	0.12	3.45	0.03	1.160	0.127	0.0037	0.0100	0.02	11.59
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

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Eskay Creek Humidity Cell Data - Ore Type 5

Metal Leach Rates:

Week No.	Date	Silver D-Ag (mg/kg/wk)	Aluminum D-Al (mg/kg/wk)	Arsenic D-As (mg/kg/wk)	Boron D-B (mg/kg/wk)	Barium D-Ba (mg/kg/wk)	Beryllium D-Be (mg/kg/wk)	Bismuth D-Bi (mg/kg/wk)	Calcium D-Ca (mg/kg/wk)	Cadmium D-Cd (mg/kg/wk)	Cobalt D-Co (mg/kg/wk)	Chromium D-Cr (mg/kg/wk)	Copper D-Cu (mg/kg/wk)	Iron D-Fe (mg/kg/wk)	Mercury D-Hg (mg/kg/wk)
0	01-Dec-92	2.6E-03	1.4106	0.0214		0.016	1.7E-03	0.011	21.5	0.027	0.0403	0.0120	0.0317	6.552	0.0043
1	08-Dec-92	9.8E-04	0.5487	0.0065	1.22	0.052	2.6E-03	0.016	53.2	0.018	0.0144	0.0065	0.0137	20.061	0.0065
2	15-Dec-92	2.5E-03	0.0858	0.0061	0.82	0.050	1.2E-03	0.015	40.9	0.025	0.0147	0.0031	0.0098	2.531	0.0123
3	21-Dec-92	9.0E-04	0.7150	0.0060	0.49	0.038	3.0E-04	0.015	22.5	0.023	0.0102	0.0042	0.0084	0.270	0.0060
4	29-Dec-92	8.9E-04	0.3430	0.0059	0.39	0.018	3.0E-04	0.015	14.8	0.020	0.0015	0.0015	0.0024	0.101	0.0059
5	05-Jan-93	8.5E-04	0.6766	0.0057	0.39	0.028	5.7E-04	0.014	13.9	0.032	0.0131	0.0063	0.0091	0.188	0.0057
6	12-Jan-93	8.9E-04	0.4672	0.0059	0.51	0.026	5.9E-04	0.015	11.3	0.035	0.0142	0.0059	0.0077	0.166	0.0059
7	19-Jan-93	9.1E-04	0.0030	0.0061	0.32	0.045	1.2E-03	0.061	12.3	0.041	0.0170	0.0067	0.0225	0.462	0.0061
8	26-Jan-93	9.6E-04	0.5898	0.0064	0.27	0.045	6.4E-04	0.103	13.3	0.045	0.0154	0.0071	0.0154	0.256	0.0064
9	02-Feb-93	9.4E-04	0.0031	0.0063	0.29	0.029	6.3E-04	0.044	8.4	0.034	0.0063	0.0031	0.0063	0.151	0.0063
10	09-Feb-93	9.8E-04	0.9042	0.0065	0.22	0.043	3.3E-04	0.016	10.3	0.034	0.0016	0.0016	0.0059	0.267	0.0065
11	16-Feb-93	9.4E-04	0.1378	0.0063	0.26	0.028	6.3E-04	0.016	7.8	0.038	0.0050	0.0016	0.0056	0.138	0.0063
12	23-Feb-93	9.1E-04	0.2430	0.0061	0.30	0.029	3.0E-04	0.015	7.7	0.032	0.0049	0.0015	0.0055	0.122	0.0061
13	02-Mar-93	9.4E-04	0.4188	0.0063	0.25	0.025	3.1E-04	0.050	7.4	0.036	0.0175	0.0056	0.0113	0.131	0.0063
14	09-Mar-93	9.9E-04	0.3968	0.0066	0.21	0.026	1.3E-03	0.040	6.9	0.032	0.0066	0.0017	0.0112	0.231	0.0066
15	16-Mar-93	1.0E-03	0.3360	0.0067	0.24	0.026	6.7E-04	0.060	7.9	0.036	0.0017	0.0017	0.0114	0.242	0.0067
16	23-Mar-93	9.9E-04	0.2112	0.0066	0.24	0.030	3.3E-04	0.016	7.1	0.026	0.0059	0.0016	0.0066	0.165	0.0066
17	30-Mar-93	8.8E-04	0.1236	0.0177	0.32	0.010	5.9E-04	0.015	8.9	0.039	0.0059	0.0015	0.0077	0.082	0.0059
Maximum		2.6E-03	1.4106	0.0214	1.22	0.052	2.6E-03	0.103	53.2	0.045	0.0403	0.0120	0.0317	20.061	0.0123
Minimum		8.5E-04	0.0030	0.0057	0.21	0.010	3.0E-04	0.011	6.9	0.018	0.0015	0.0015	0.0024	0.082	0.0043
Mean		1.1E-03	0.4230	0.0077	0.40	0.031	7.9E-04	0.030	15.3	0.032	0.0109	0.0041	0.0107	1.784	0.0065
Median		9.4E-04	0.3699	0.0063	0.30	0.028	6.1E-04	0.016	10.8	0.033	0.0084	0.0031	0.0088	0.210	0.0063
Mean Last 5 Weeks		9.6E-04	0.2973	0.0088	0.25	0.023	6.5E-04	0.036	7.7	0.034	0.0075	0.0024	0.0096	0.170	0.0064
75% Remaining (Wks)															
50% Remaining (Wks)															
25% Remaining (Wks)															
0% Remaining (Wks)															

Week No.	Date	Lanthanum D-La (mg/kg/wk)	Magnesium D-Mg (mg/kg/wk)	Manganese D-Mn (mg/kg/wk)	Molybdenum D-Mo (mg/kg/wk)	Sodium D-Na (mg/kg/wk)	Nickel D-Ni (mg/kg/wk)	Phosphorus D-P (mg/kg/wk)	Lead D-Pb (mg/kg/wk)	Antimony D-Sb (mg/kg/wk)	Silicon D-Si (mg/kg/wk)	Strontium D-Sr (mg/kg/wk)	Titanium D-Ti (mg/kg/wk)	Vanadium D-V (mg/kg/wk)	Tungsten D-W (mg/kg/wk)	Zinc D-Zn (mg/kg/wk)
0	01-Dec-92	0.0011	25.9	2.10	3.9E-03	0.86	0.0347	0.159	2.02	0.0172	0.3216	0.081	0.0184	0.0047	0.0043	10.8
1	08-Dec-92	0.0016	50.9	5.30	6.5E-04	1.31	0.0483	0.333	2.79	0.0261	1.3718	0.281	0.0124	0.0016	0.0065	9.8
2	15-Dec-92	0.0015	36.7	3.82	6.1E-04	0.31	0.0337	0.165	1.88	0.0184	1.1584	0.205	0.0015	0.0015	0.0061	4.4
3	21-Dec-92	0.0015	16.3	2.00	6.0E-04	1.80	0.0264	0.174	1.54	0.0240	0.8291	0.146	0.0240	0.0030	0.0180	4.0
4	29-Dec-92	0.0015	11.2	1.37	5.9E-04	0.30	0.0065	0.065	1.98	0.0059	0.7038	0.132	0.0015	0.0015	0.0059	4.5
5	05-Jan-93	0.0014	10.2	1.32	5.7E-04	1.14	0.0273	0.142	1.92	0.0171	0.6311	0.145	0.0154	0.0014	0.0057	5.6
6	12-Jan-93	0.0015	8.4	1.05	3.5E-03	0.59	0.0319	0.059	1.70	0.0237	0.5973	136.613	0.0077	0.0047	0.0059	5.7
7	19-Jan-93	0.0015	8.0	1.07	4.3E-03	1.82	0.0237	0.255	3.43	0.0425	0.0030	0.137	0.0158	0.0109	0.0243	6.4
8	26-Jan-93	0.0016	7.4	1.06	5.1E-03	1.28	0.0269	0.173	2.88	0.0192	0.8976	0.153	0.0064	0.0090	0.0064	6.4
9	02-Feb-93	0.0016	6.1	0.77	2.5E-03	0.31	0.0321	0.094	2.33	0.0063	0.6227	0.126	0.0063	0.0038	0.0063	6.0
10	09-Feb-93	0.0016	6.1	0.83	6.5E-04	1.30	0.0059	0.221	2.46	0.0065	0.9042	0.129	0.0039	0.0016	0.0065	6.3
11	16-Feb-93	0.0016	4.1	0.73	5.0E-03	0.31	0.0094	0.031	2.17	0.0063	0.8080	0.124	0.0031	0.0038	0.0188	6.4
12	23-Feb-93	0.0015	5.3	0.75	6.1E-04	0.30	0.0036	0.055	2.00	0.0304	0.8141	0.113	0.0073	0.0015	0.0061	7.2
13	02-Mar-93	0.0016	4.9	0.71	6.3E-04	0.31	0.0038	0.013	2.25	0.0313	0.6375	0.010	0.0038	0.0069	0.0063	7.6
14	09-Mar-93	0.0017	4.4	0.65	3.3E-03	0.33	0.0225	0.132	2.44	0.0331	0.8332	0.093	0.0033	0.0066	0.0198	6.9
15	16-Mar-93	0.0017	5.2	0.78	2.0E-03	0.34	0.0128	0.148	1.98	0.0067	0.9207	0.106	0.0017	0.0114	0.0067	8.1
16	23-Mar-93	0.0016	4.6	0.67	3.3E-03	0.33	0.0040	0.013	2.21	0.0066	0.7919	0.092	0.0016	0.0033	0.0132	6.4
17	30-Mar-93	0.0015	5.9	0.86	3.5E-03	0.29	0.0194	0.071	2.17	0.0059	0.5593	0.108	0.0015	0.0041	0.0294	8.1
Maximum		0.0017	50.9	5.30	5.1E-03	1.82	0.0483	0.333	3.43	0.0425	1.3718	136.613	0.0240	0.0114	0.0294	10.8
Minimum		0.0011	4.1	0.65	5.7E-04	0.29	0.0036	0.013	1.54	0.0059	0.0030	0.010	0.0015	0.0014	0.0043	4.0
Mean		0.0015	12.3	1.43	2.3E-03	0.74	0.0207	0.128	2.23	0.0182	0.7447	7.711	0.0075	0.0045	0.0109	6.7
Median		0.0015	6.8	0.95	2.3E-03	0.33	0.0231	0.137	2.17	0.0178	0.8000	0.128	0.0051	0.0038	0.0065	6.4
Mean Last 5 Weeks		0.0016	5.0	0.73	2.6E-03	0.32	0.0125	0.075	2.21	0.0167	0.7485	0.082	0.0024	0.0065	0.0151	7.4
75% Remaining (Wks)																
50% Remaining (Wks)																
25% Remaining (Wks)																
0% Remaining (Wks)																

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

Eskay Creek Humidity Cell Data - Ore Type 5

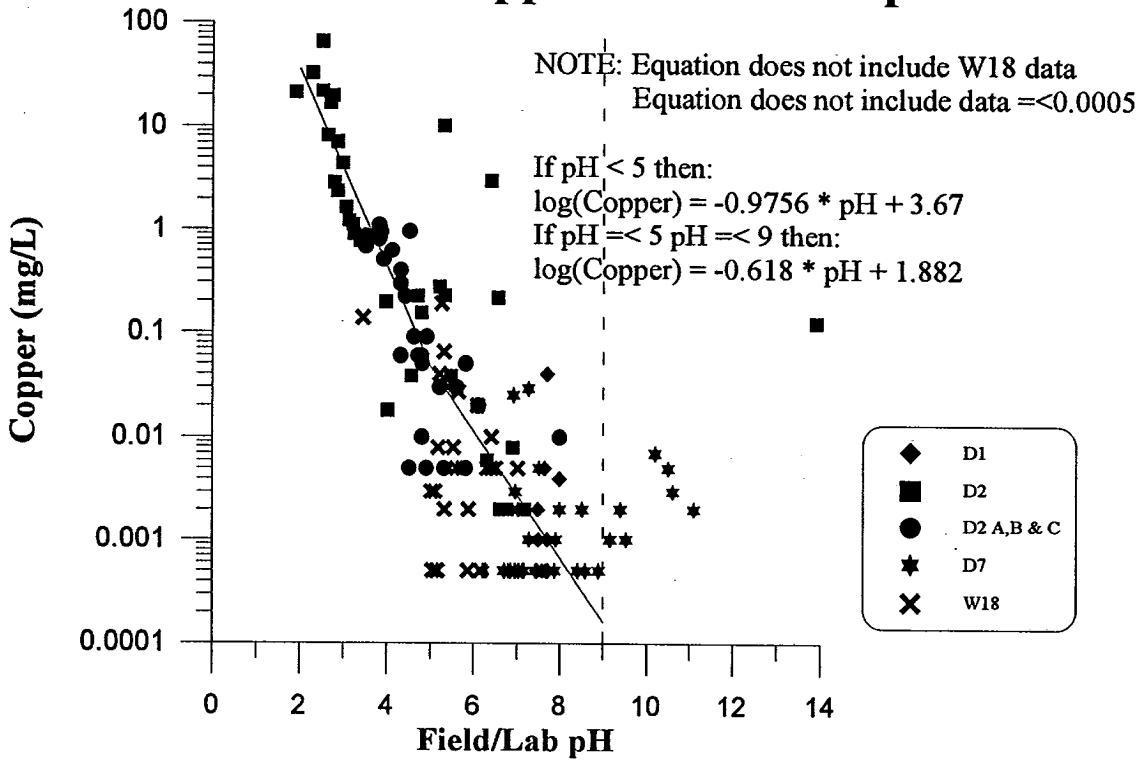
		Cumulative Metal Leach Rates:																												
		Silver	Aluminum	Arsenic	Boron	Barium	Beryllium	Bismuth	Calcium	Cadium	Cobalt	Chromium	Copper	Iron	Mercury	Lanthanum	Magnesium	Mangenese	Molybdenium	Sodium	Nickel	Phosphorus	Lead	Antimony	Silcon	Strontium	Titanium	Venadium	Tungsten	Zinc
Week No.	Date	D-Ag	D-Al	D-As	D-B	D-Ba	D-Be	D-Bi	D-Ca	D-Cd	D-Co	D-Cr	D-Cu	D-Fe	D-Hg	D-La	D-Mg	D-Mn	D-Mo	D-Na	D-Ni	D-P	D-Pb	D-Sb	D-Si	D-Sr	D-Ti	D-V	D-W	D-Zn
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
0	01-Dec-92	0.0026	1.41	0.021		0.016	0.0017	0.011	22	0.027	0.040	0.012	0.032	6.6	0.0043	0.0011	25.9	2.1	0.0039	0.86	0.035	0.16	2.0	0.017	0.32	0.08	0.018	0.0047	0.0043	11
1	08-Dec-92	0.0036	1.96	0.028	1.2	0.068	0.0043	0.027	75	0.044	0.055	0.019	0.045	26.6	0.0108	0.0027	76.7	7.4	0.0045	2.16	0.083	0.49	4.8	0.043	1.69	0.36	0.031	0.0063	0.0108	21
2	15-Dec-92	0.0060	2.05	0.034	2.0	0.118	0.0056	0.042	116	0.069	0.069	0.022	0.055	29.1	0.0231	0.0042	113.5	11.2	0.0051	2.47	0.117	0.66	6.7	0.062	2.85	0.57	0.032	0.0079	0.0169	25
3	21-Dec-92	0.0069	2.76	0.040	2.5	0.157	0.0059	0.057	138	0.092	0.080	0.026	0.064	29.4	0.0291	0.0057	129.7	13.2	0.0057	4.27	0.143	0.83	8.2	0.086	3.68	0.71	0.056	0.0109	0.0350	29
4	29-Dec-92	0.0078	3.10	0.046	2.9	0.175	0.0061	0.072	153	0.112	0.081	0.027	0.066	29.5	0.0350	0.0072	141.0	14.6	0.0063	4.57	0.150	0.90	10.2	0.092	4.38	0.85	0.058	0.0124	0.0409	34
5	05-Jan-93	0.0086	3.78	0.052	3.3	0.203	0.0067	0.086	167	0.144	0.094	0.034	0.075	29.7	0.0407	0.0086	151.2	15.9	0.0069	5.71	0.177	1.04	12.1	0.109	5.02	0.99	0.073	0.0138	0.0466	39
6	12-Jan-93	0.0095	4.25	0.058	3.8	0.229	0.0073	0.101	178	0.179	0.108	0.039	0.083	29.9	0.0466	0.0101	159.6	17.0	0.0104	6.30	0.209	1.10	13.8	0.132	5.61	137.60	0.081	0.0185	0.0525	45
7	19-Jan-93	0.0104	4.25	0.064	4.1	0.274	0.0085	0.162	190	0.220	0.125	0.046	0.105	30.3	0.0527	0.0116	167.6	18.0	0.0147	8.12	0.233	1.35	17.3	0.175	5.62	137.74	0.097	0.0295	0.0768	51
8	26-Jan-93	0.0114	4.84	0.070	4.4	0.319	0.0092	0.265	204	0.265	0.141	0.053	0.121	30.6	0.0591	0.0132	175.0	19.1	0.0198	9.40	0.260	1.53	20.1	0.194	6.51	137.89	0.103	0.0384	0.0832	58
9	02-Feb-93	0.0123	4.84	0.076	4.7	0.348	0.0098	0.309	212	0.299	0.147	0.056	0.127	30.7	0.0654	0.0148	181.1	19.9	0.0223	9.72	0.292	1.62	22.5	0.200	7.14	138.02	0.109	0.0422	0.0895	64
10	09-Feb-93	0.0133	5.75	0.083	4.9	0.391	0.0101	0.325	222	0.333	0.149	0.058	0.133	31.0	0.0719	0.0164	187.2	20.7	0.0230	11.02	0.298	1.84	24.9	0.207	8.04	138.15	0.113	0.0438	0.0960	70
11	16-Feb-93	0.0143	5.88	0.089	5.2	0.419	0.0107	0.340	230	0.371	0.154	0.060	0.138	31.1	0.0781	0.0180	191.3	21.4	0.0280	11.33	0.307	1.87	27.1	0.213	8.85	138.27	0.116	0.0476	0.1148	76
12	23-Feb-93	0.0152	6.13	0.095	5.5	0.447	0.0111	0.356	238	0.403	0.159	0.061	0.144	31.3	0.0842	0.0195	196.6	22.2	0.0286	11.63	0.311	1.93	29.1	0.244	9.66	138.39	0.124	0.0491	0.1209	83
13	02-Mar-93	0.0161	6.55	0.101	5.7	0.472	0.0114	0.406	245	0.439	0.176	0.067	0.155	31.4	0.0905	0.0211	201.4	22.9	0.0292	11.95	0.314	1.94	31.3	0.275	10.30	138.40	0.128	0.0560	0.1271	91
14	09-Mar-93	0.0171	6.94	0.108	5.9	0.499	0.0127	0.445	252	0.471	0.183	0.068	0.166	31.6	0.0971	0.0227	205.9	23.5	0.0325	12.28	0.337	2.07	33.8	0.308	11.13	138.49	0.131	0.0626	0.1469	98
15	16-Mar-93	0.0181	7.28	0.115	6.2	0.524	0.0134	0.506	260	0.508	0.184	0.070	0.178	31.9	0.1038	0.0244	211.1	24.3	0.0345	12.61	0.350	2.22	35.8	0.315	12.05	138.59	0.132	0.0740	0.1537	106
16	23-Mar-93	0.0191	7.49	0.121	6.4	0.555	0.0137	0.522	267	0.533	0.190	0.072	0.184	32.0	0.1104	0.0261	215.7	25.0	0.0378	12.94	0.354	2.23	38.0	0.321	12.85	138.69	0.134	0.0773	0.1669	112
17	30-Mar-93	0.0200	7.61	0.139	6.7	0.565	0.0143	0.537	276	0.573	0.196	0.073	0.192	32.1	0.1163	0.0275	221.7	25.8	0.0414	13.24	0.373	2.30	40.1	0.327	13.41	138.80	0.136	0.0814	0.1963	120
Maximum		0.0200	7.61	0.139	6.7	0.565	0.0143	0.537	276	0.573	0.196	0.073	0.192	32.1	0.1163	0.0275	221.7	25.8	0.0414	13.24	0.373	2.30	40.1	0.327	13.41	138.80	0.136	0.0814	0.1963	120
Minimum		0.0026	1.41	0.021	1.2	0.016	0.0017	0.011	22	0.027	0.040	0.012	0.032	6.6	0.0043	0.0011	25.9	2.1	0.0039	0.86	0.035	0.16	2.0	0.017	0.32	0.081	0.018	0.0047	0.0043	11
Mean		0.0118	4.83	0.075	4.4	0.321	0.0090	0.254	191	0.282	0.129	0.048	0.115	29.2	0.0622	0.0142	164.0	18.0	0.0197	8.37	0.241	1.45	21.0	0.184	7.17	92.37	0.093	0.0376	0.0877	63
Median --		0.0119	4.84	0.073	4.7	0.334	0.0095	0.287	208	0.282	0.144	0.055	0.124	30.7	0.0622	0.0140	178.1	19.5	0.0211	9.56	0.276	1.57	21.3	0.197	6.83	137.96	0.106	0.0403	0.0863	61
Mean Last 5 Weeks		0.0181	7.17	0.117	6.2	0.523	0.0131	0.483	260	0.505	0.186	0.070	0.175	31.8	0.1036	0.0244	211.2	24.3	0.0351	12.60	0.345	2.15	35.8	0.309	11.95	138.59	0.132	0.0703	0.1582	106
75% Remaining (Wks)																														
50% Remaining (Wks)																														
25% Remaining (Wks)																														
0% Remaining (Wks)																														

** If values were reported as < detection limit, then 1/2 the detection limit is shown in italics, and was used in subsequent calculations*

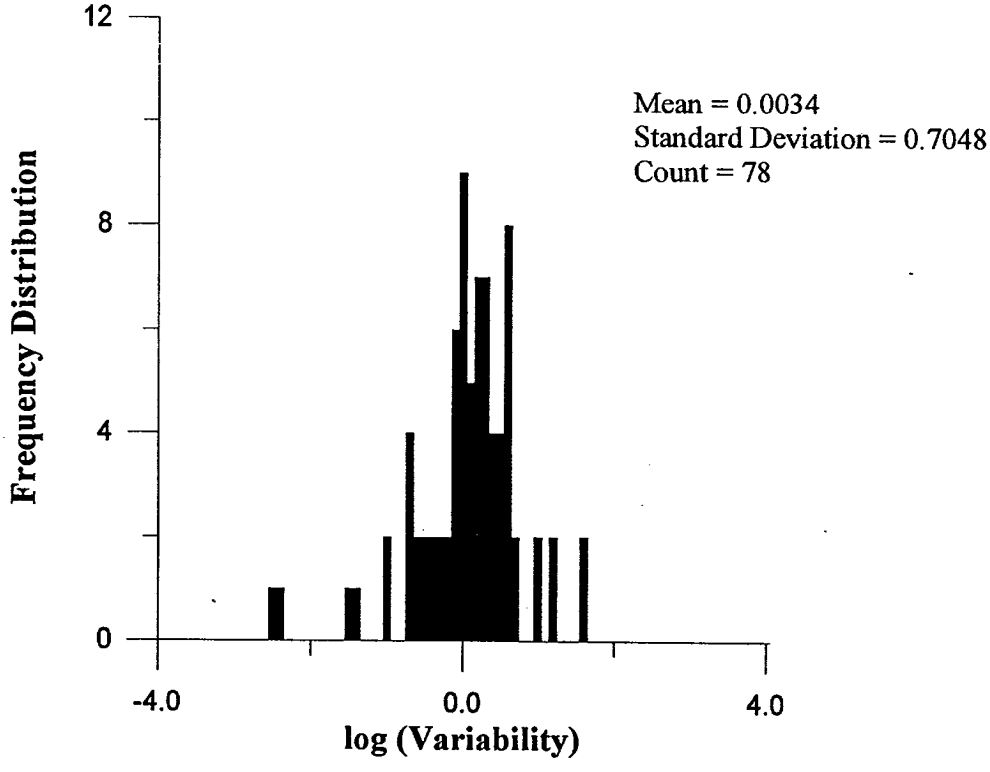
APPENDIX

Appendix C. Empirical Drainage-Chemistry Model of Monitoring Data Near the Dump

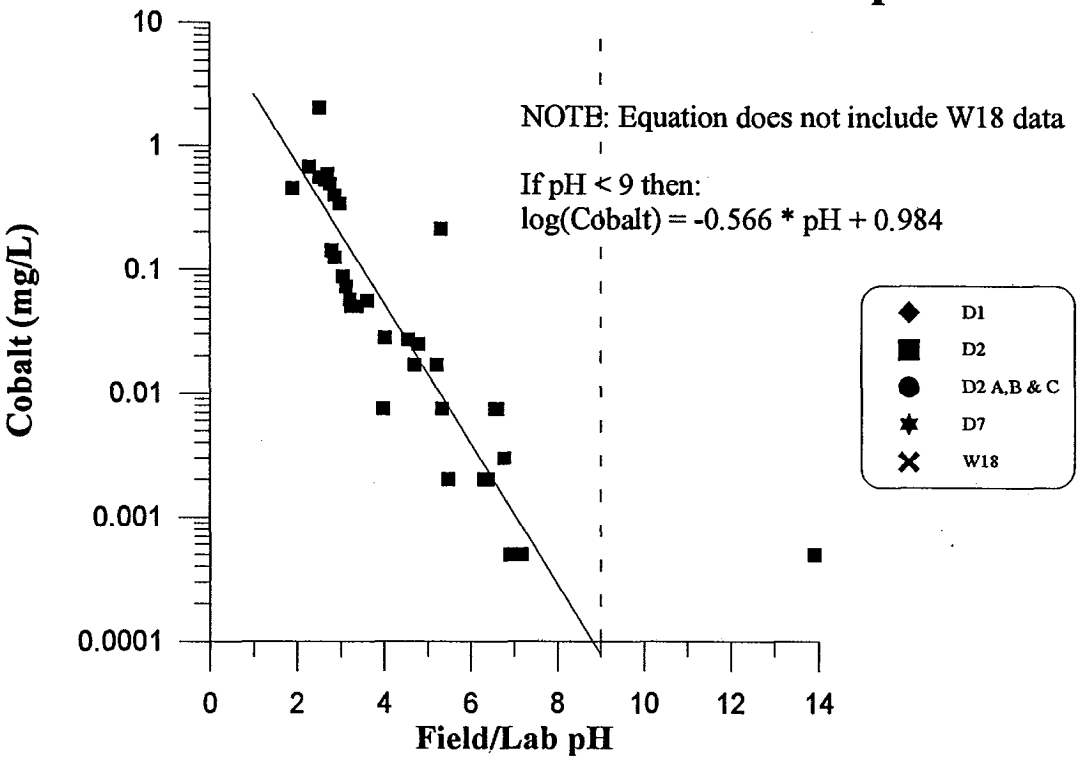
Dissolved/Total Copper vs Field/Lab pH



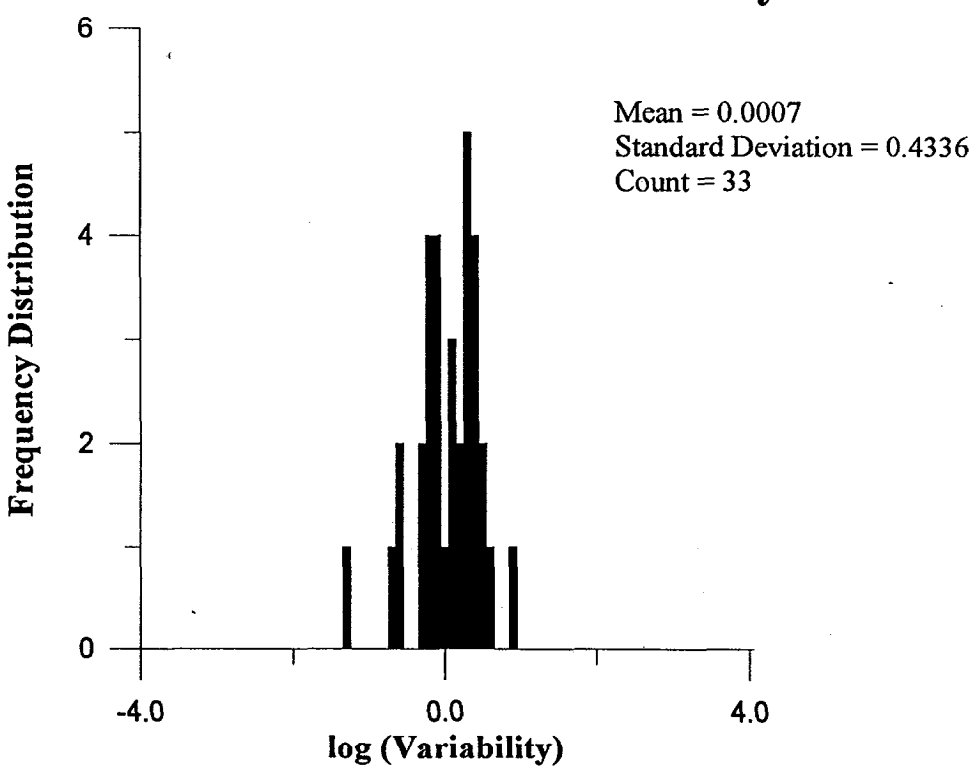
Dissolved/Total Copper Variability



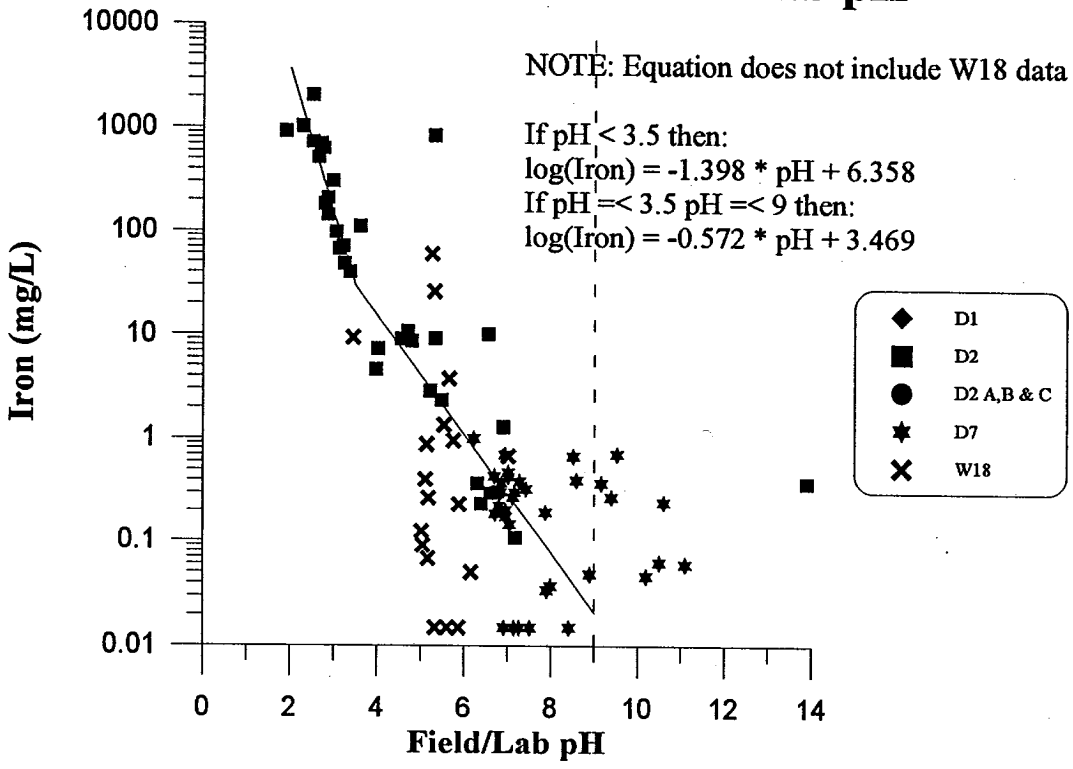
Dissolved/Total Cobalt vs Field/Lab pH



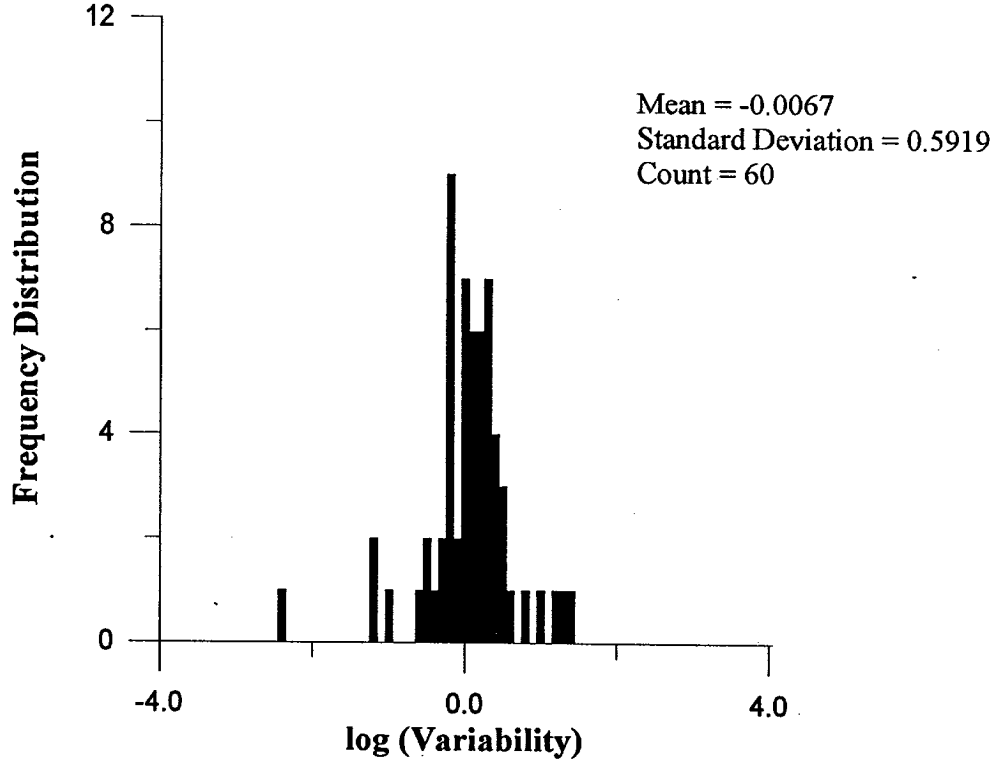
Dissolved/Total Cobalt Variability



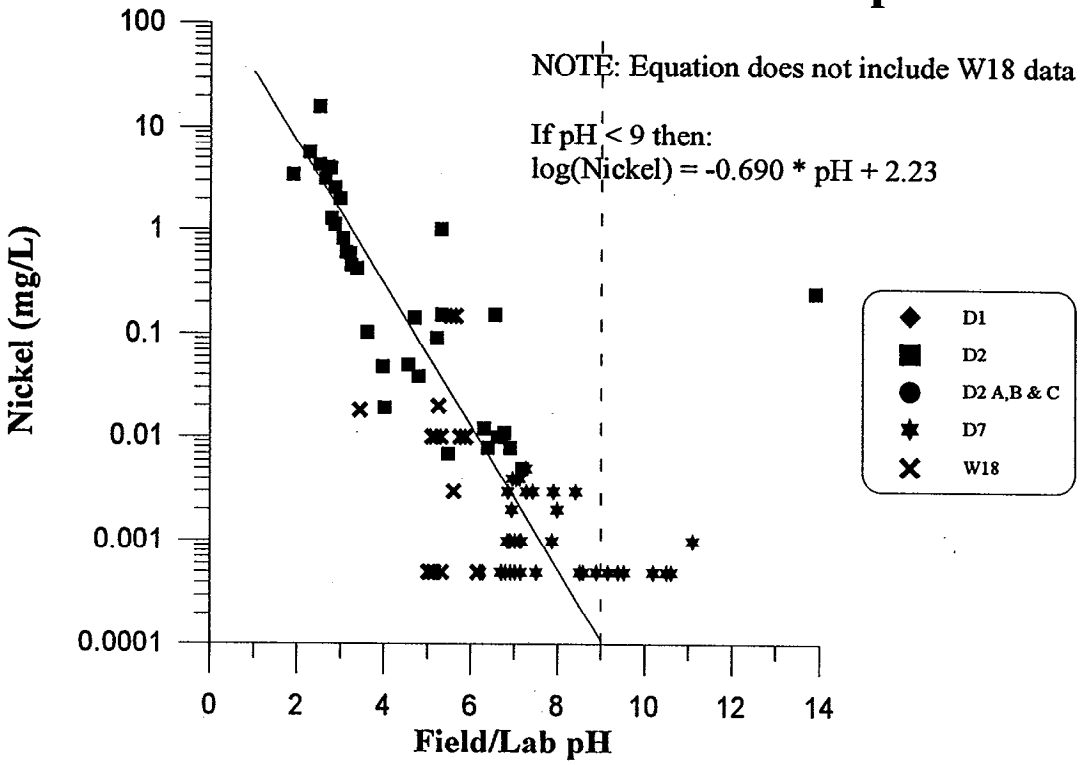
Dissolved/Total Iron vs Field/Lab pH



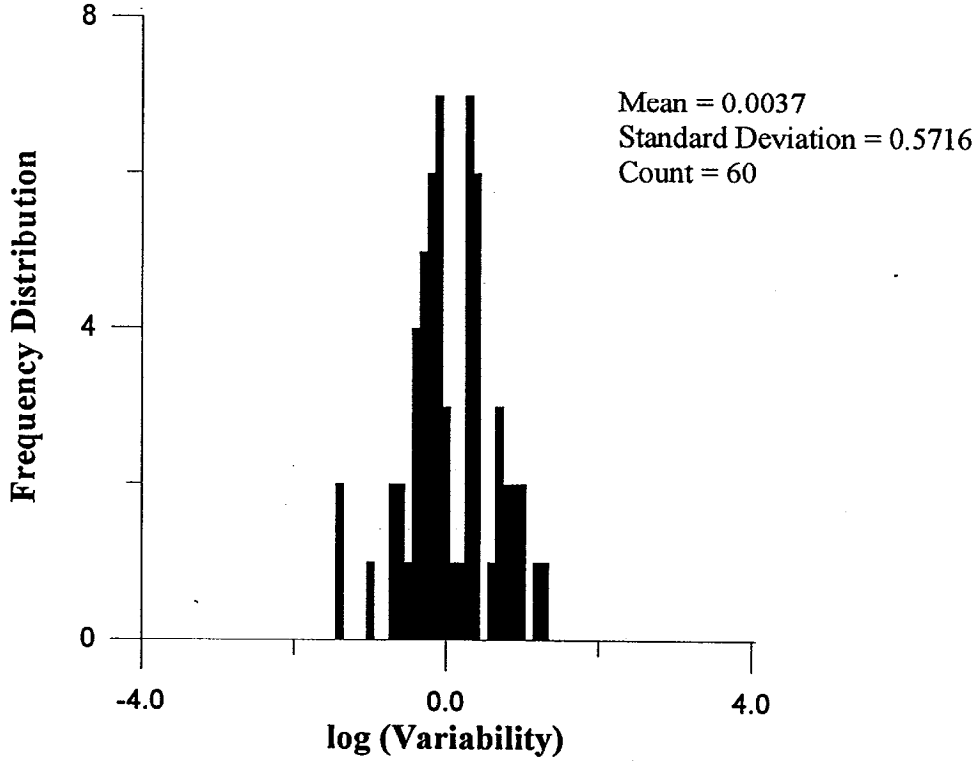
Dissolved/Total Iron Variability



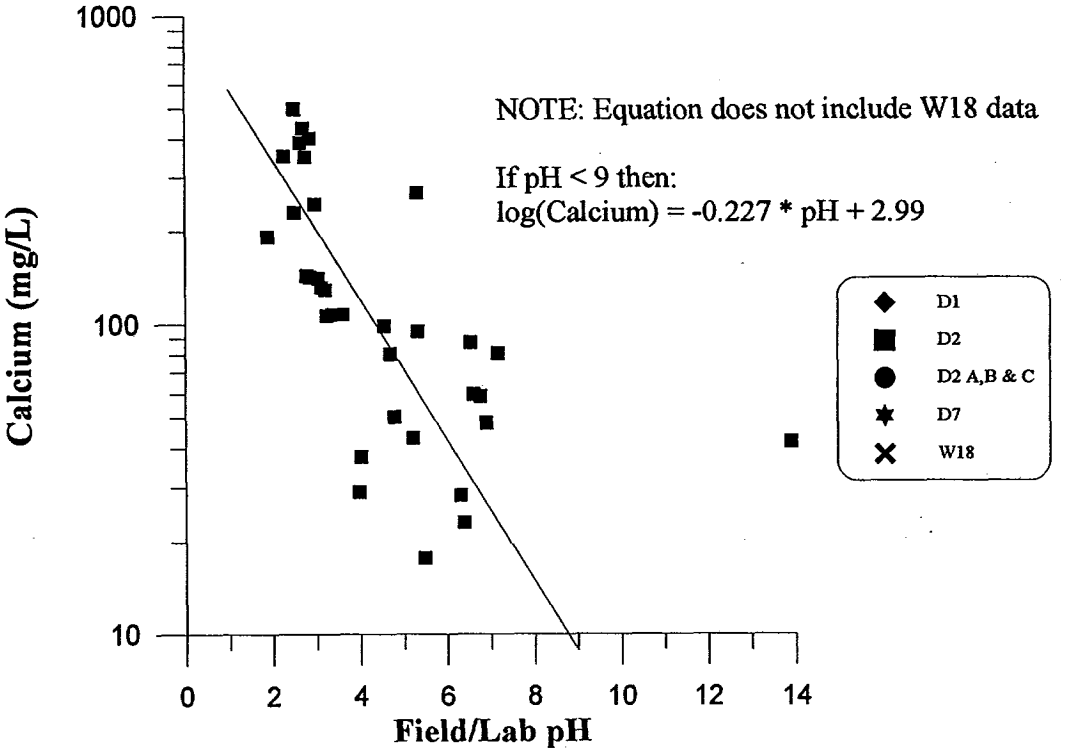
Dissolved/Total Nickel vs Field/Lab pH



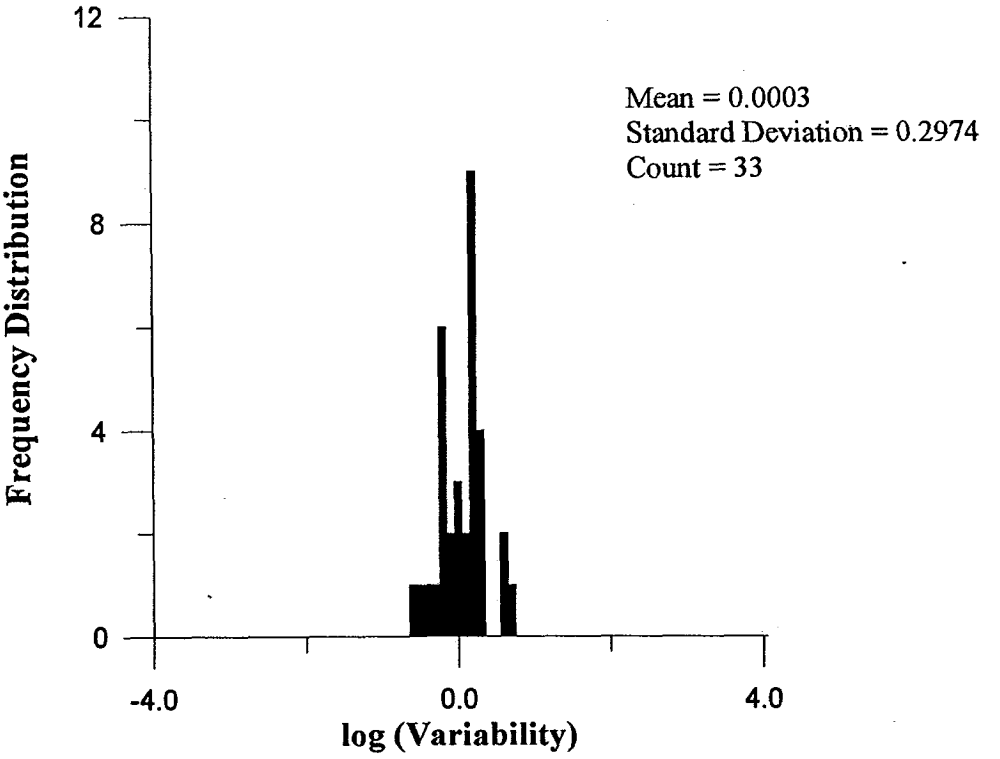
Dissolved/Total Nickel Variability



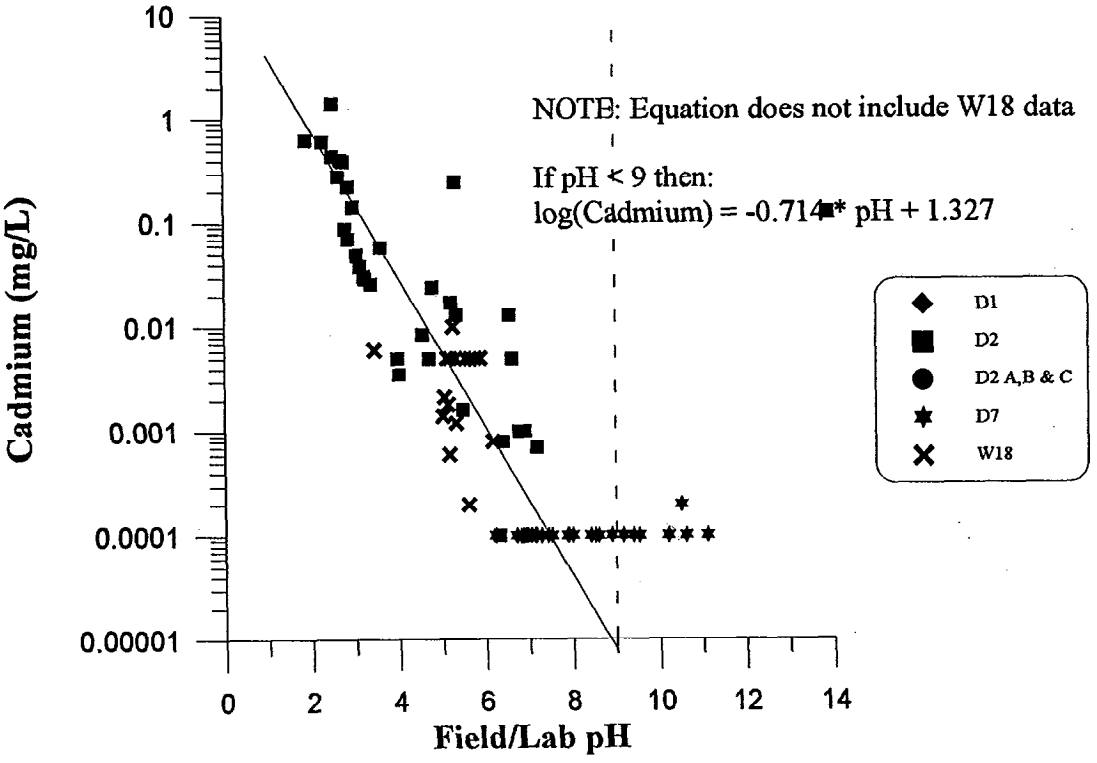
Dissolved/Total Calcium vs Field/Lab pH



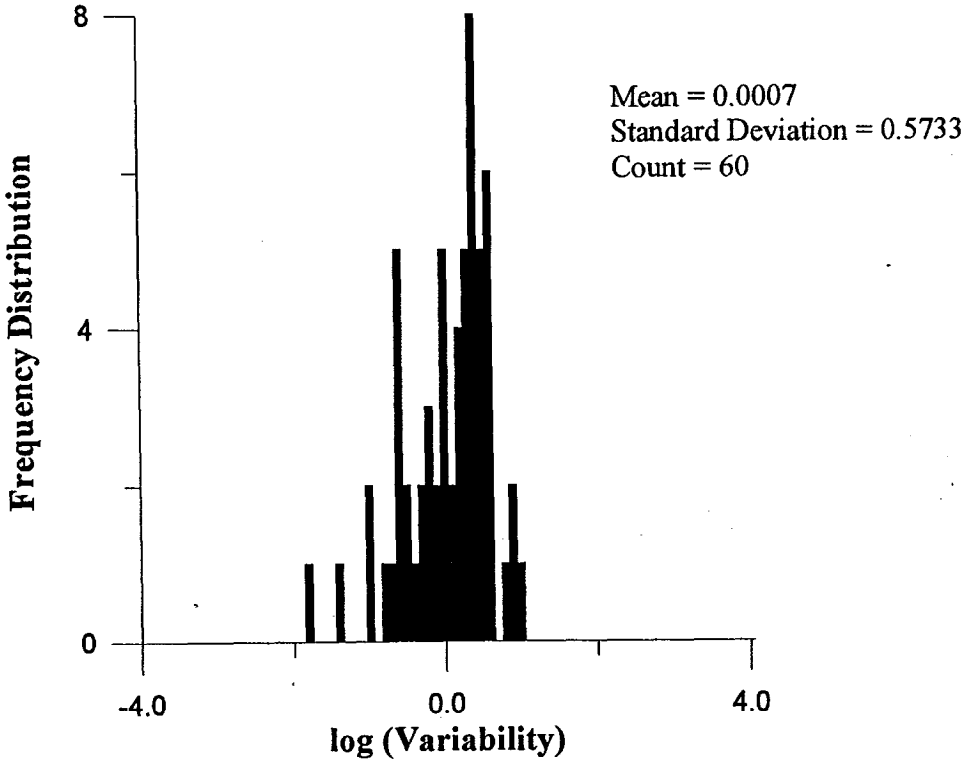
Dissolved/Total Calcium Variability



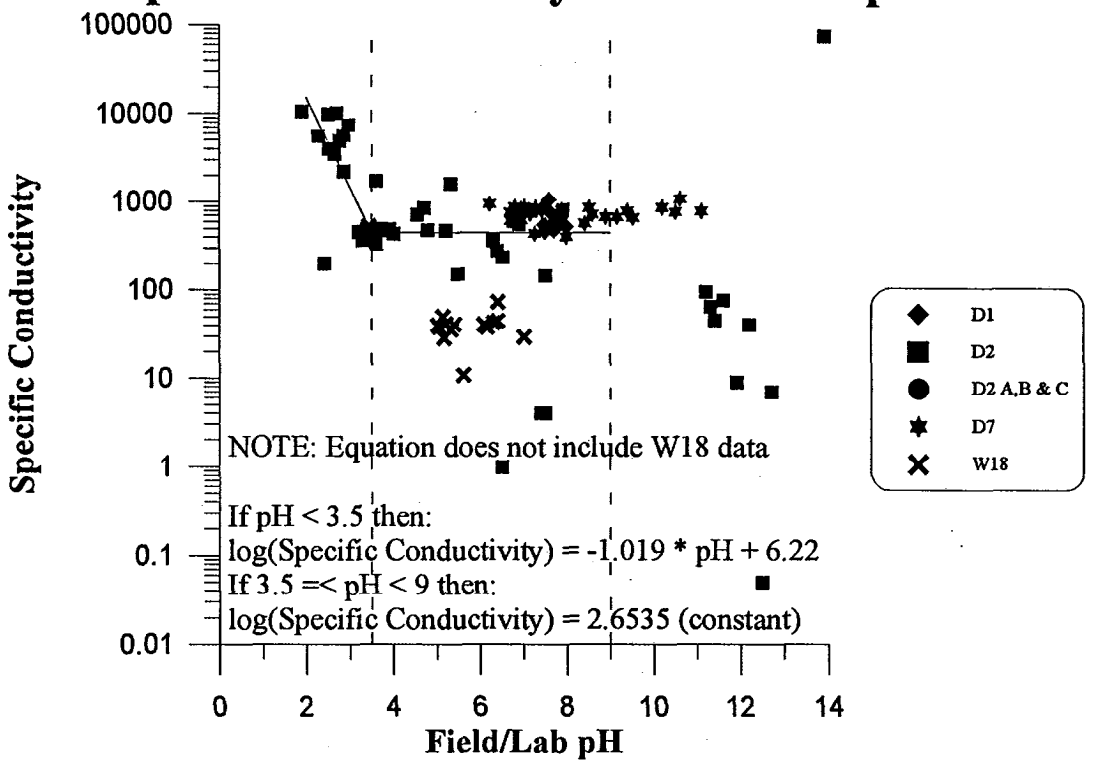
Dissolved/Total Cadmium vs Field/Lab pH



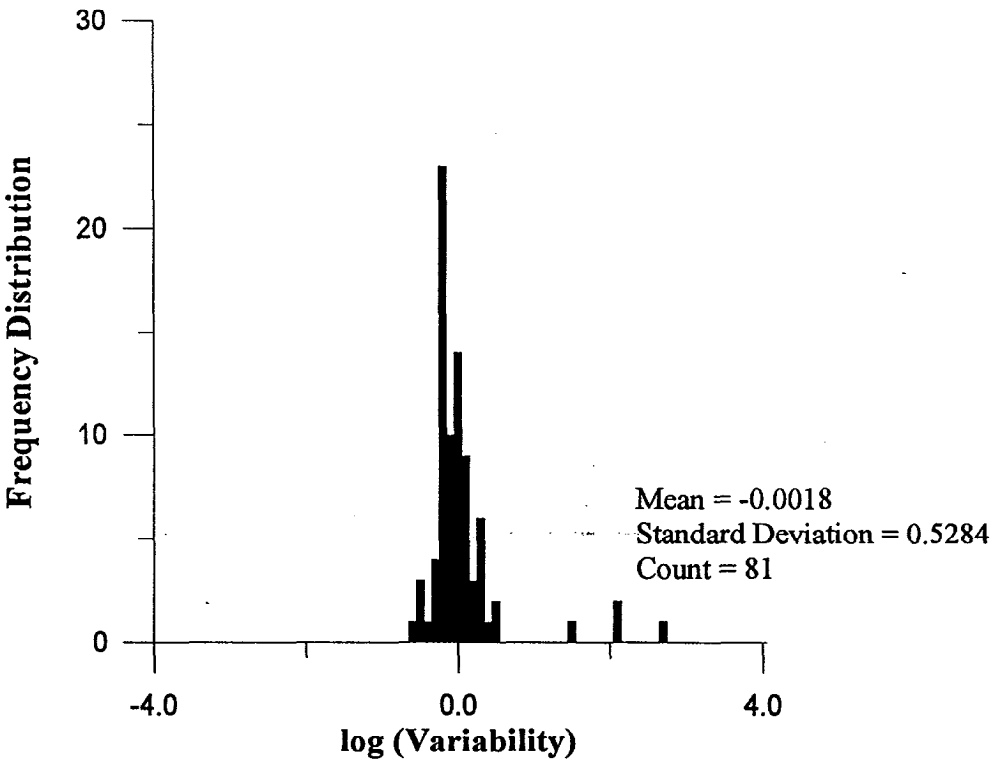
Dissolved/Total Cadmium Variability

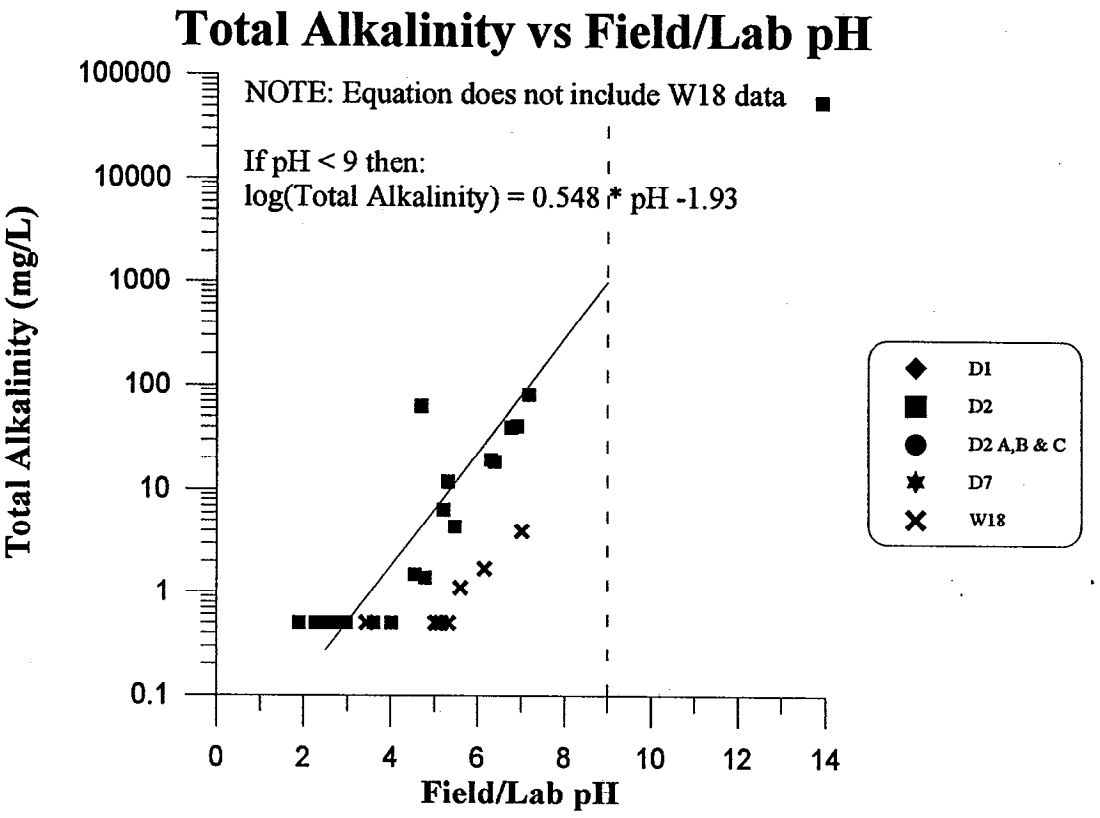


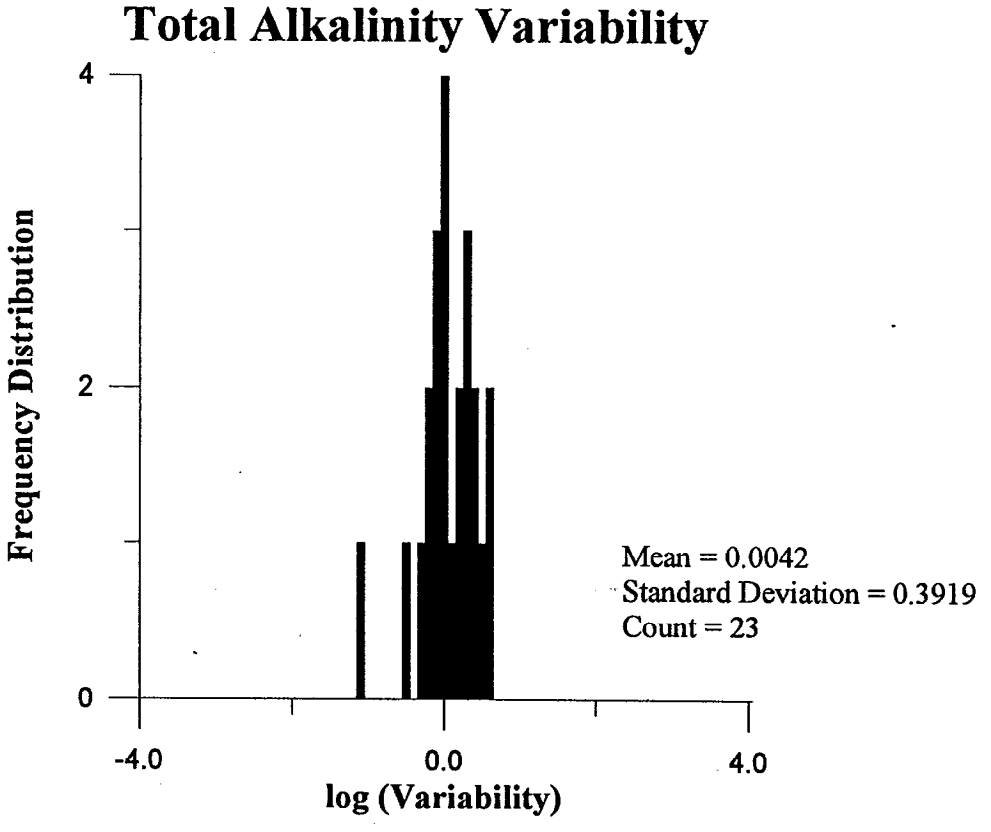
Specific Conductivity vs Field/Lab pH



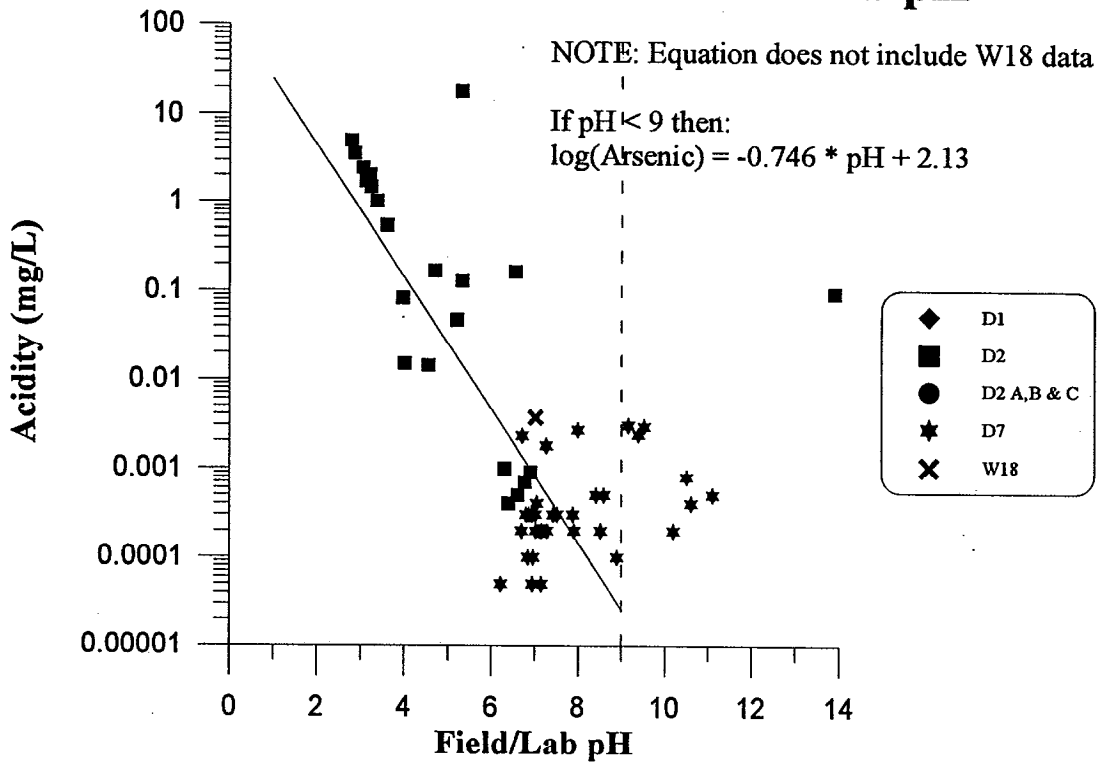
Specific Conductivity Variability



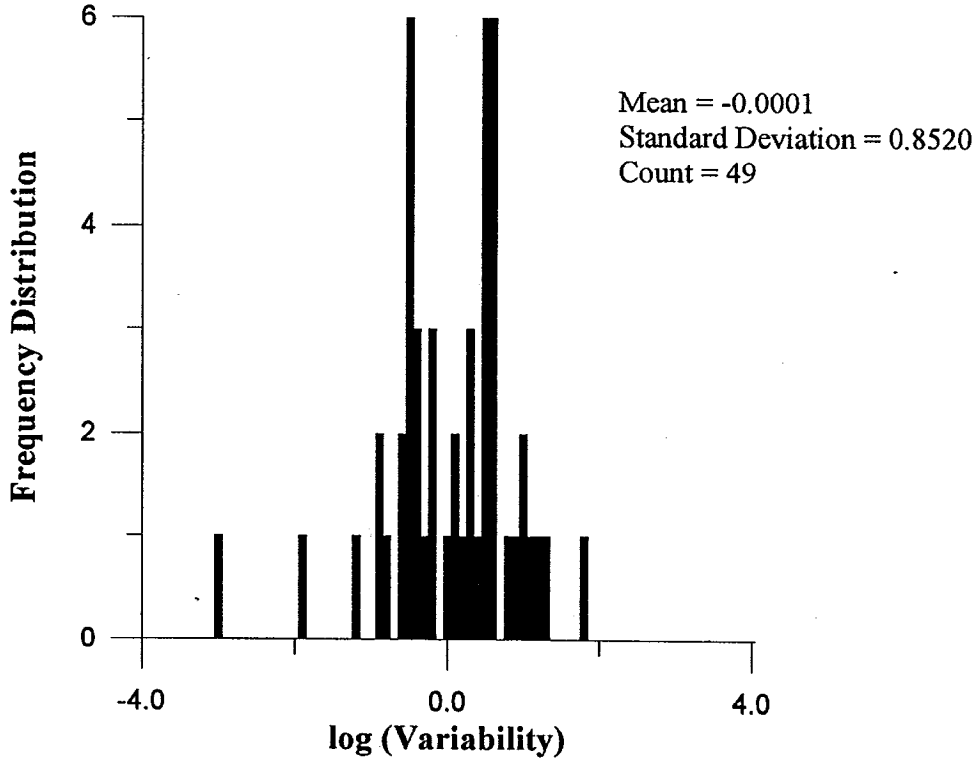

Total Alkalinity vs Field/Lab pH
NOTE: Equation does not include W18 data
If pH < 9 then:
log(Total Alkalinity) = 0.548 * pH -1.93
Total Alkalinity (mg/L)
100000
10000
1000
100
10
1
0.1
0
2
4
6
8
10
12
14
Field/Lab pH
D1
D2
D2 A,B & C
D7
W18

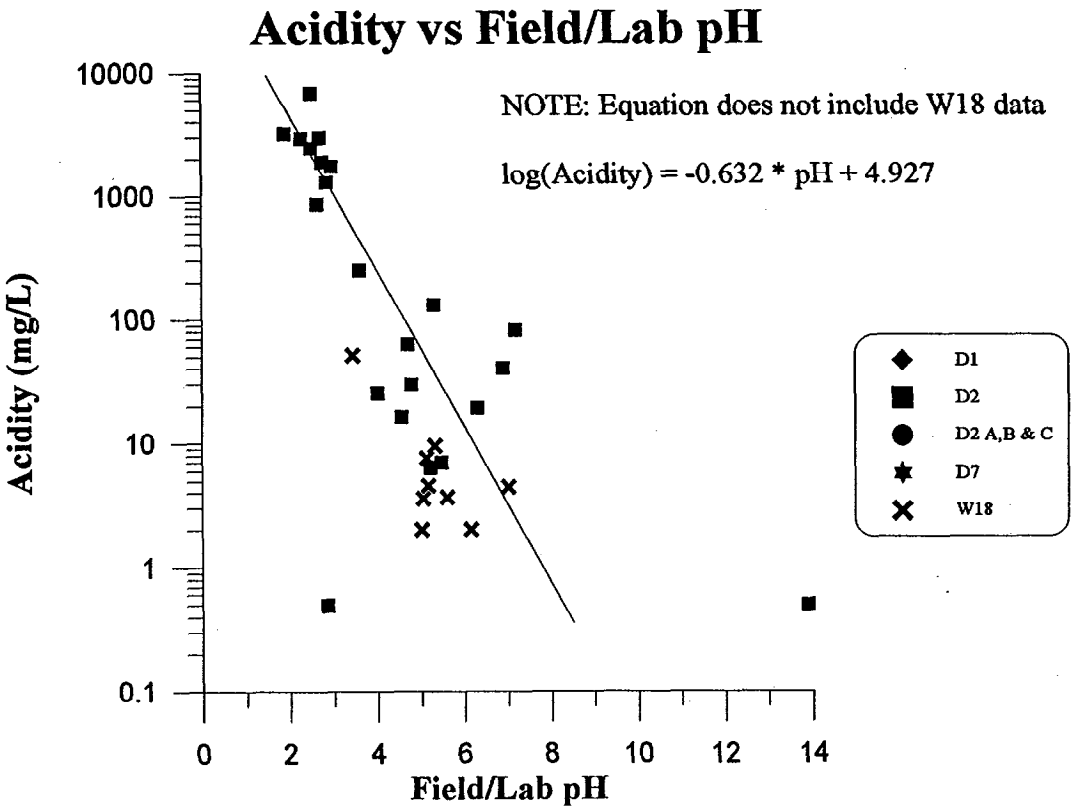

Total Alkalinity Variability
Frequency Distribution
4
2
0
-4.0
0.0
4.0
log (Variability)
Mean = 0.0042
Standard Deviation = 0.3919
Count = 23

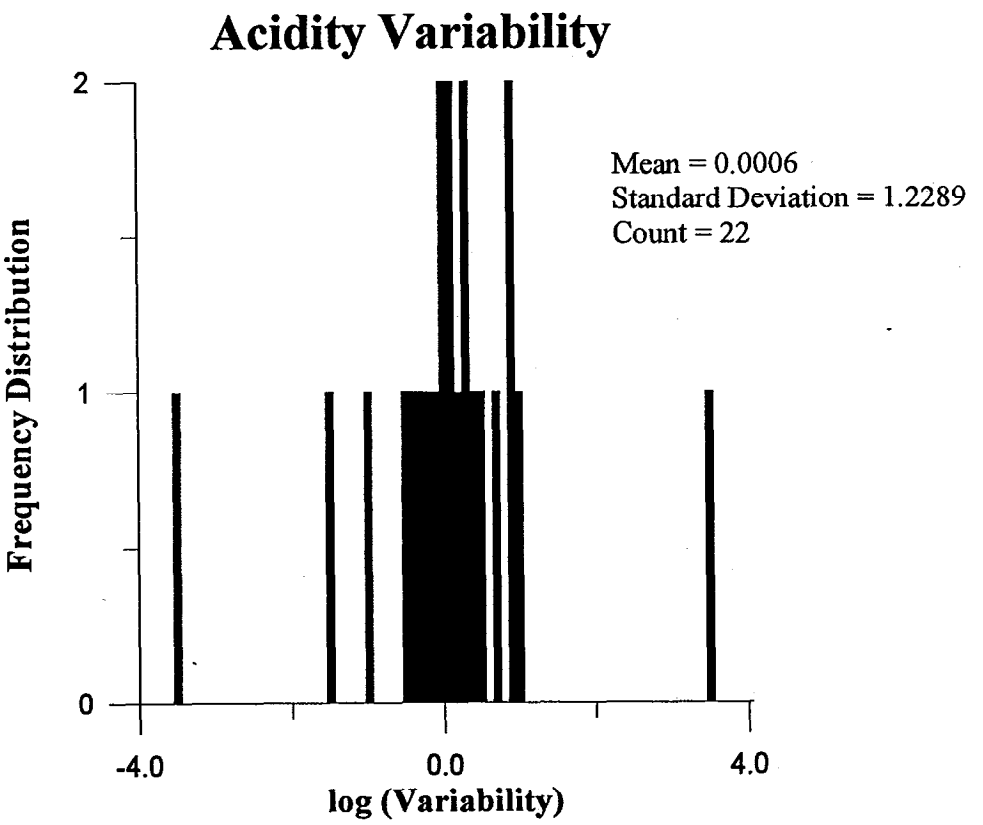
Dissolved/Total Arsenic vs Field/Lab pH



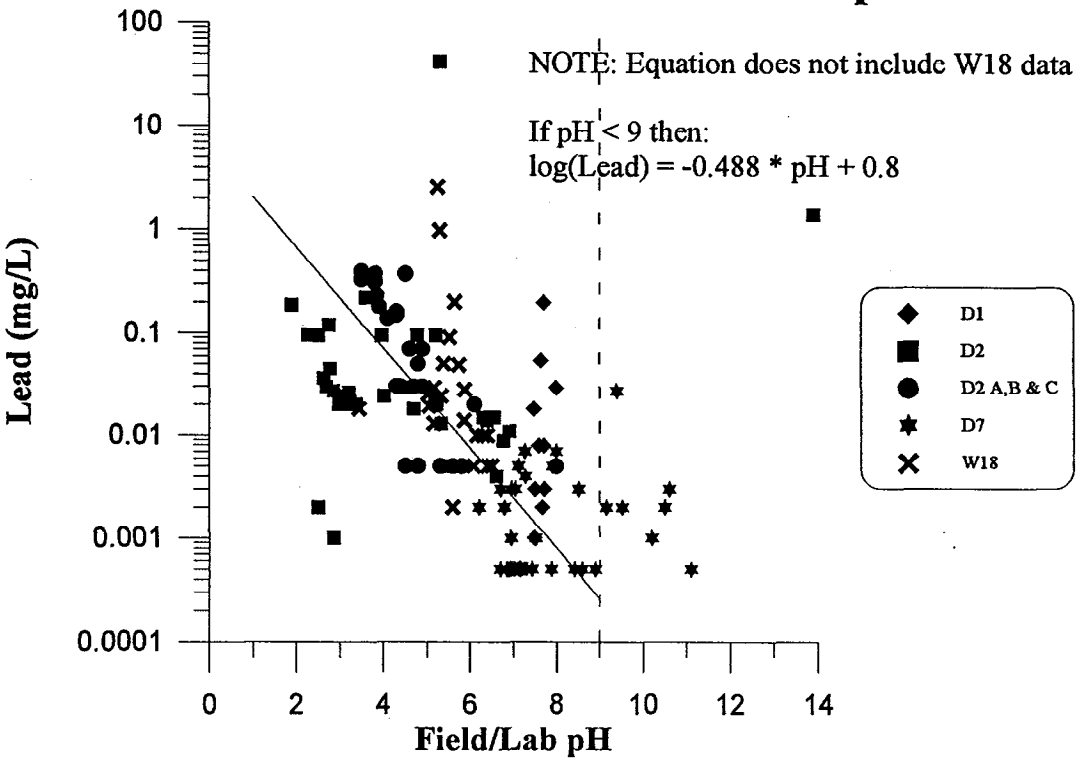
Dissolved/Total Arsenic Variability



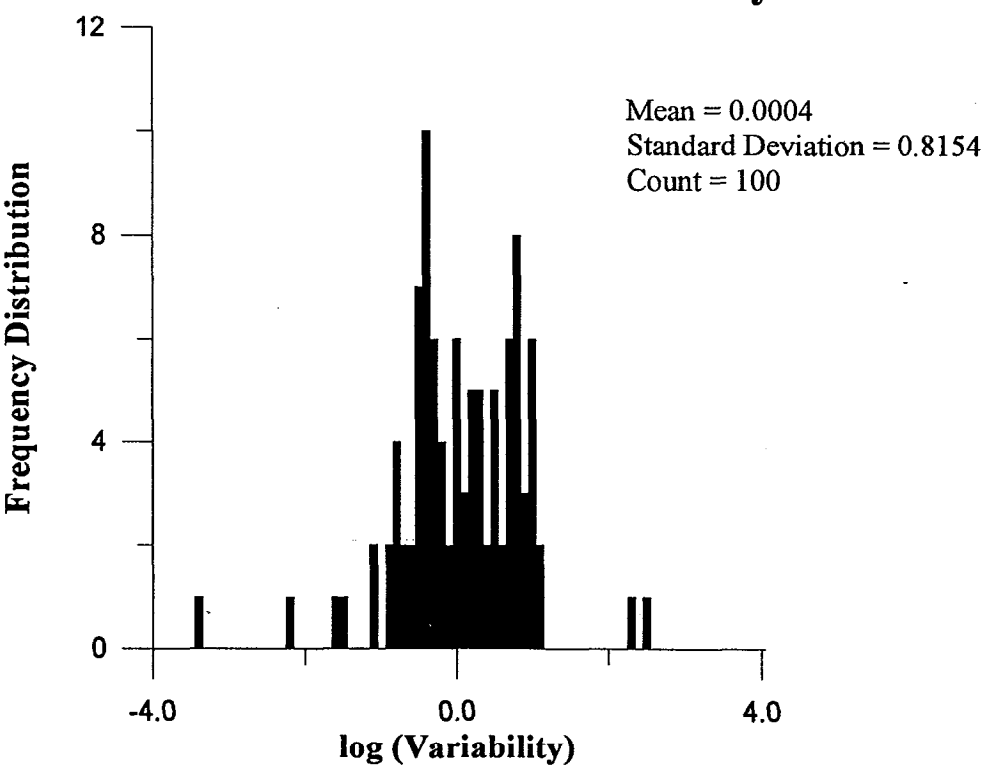

Acidity vs Field/Lab pH
NOTE: Equation does not include W18 data
log(Acidity) = -0.632 * pH + 4.927
Acidity (mg/L)
10000
1000
100
10
1
0.1
0
2
4
6
8
10
12
14
Field/Lab pH
D1
D2
D2 A,B & C
D7
W18


Acidity Variability
Mean = 0.0006
Standard Deviation = 1.2289
Count = 22
Frequency Distribution
2
1
0
-4.0
0.0
4.0
log (Variability)

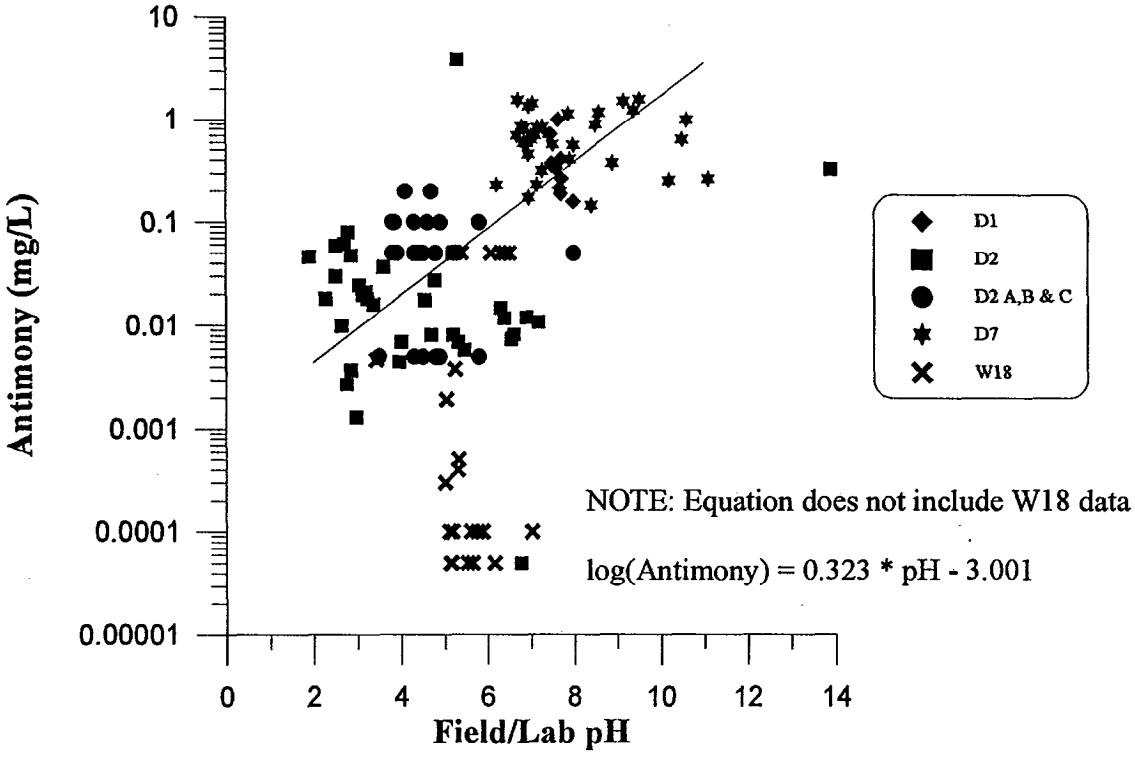
Dissolved/Total Lead vs Field/Lab pH



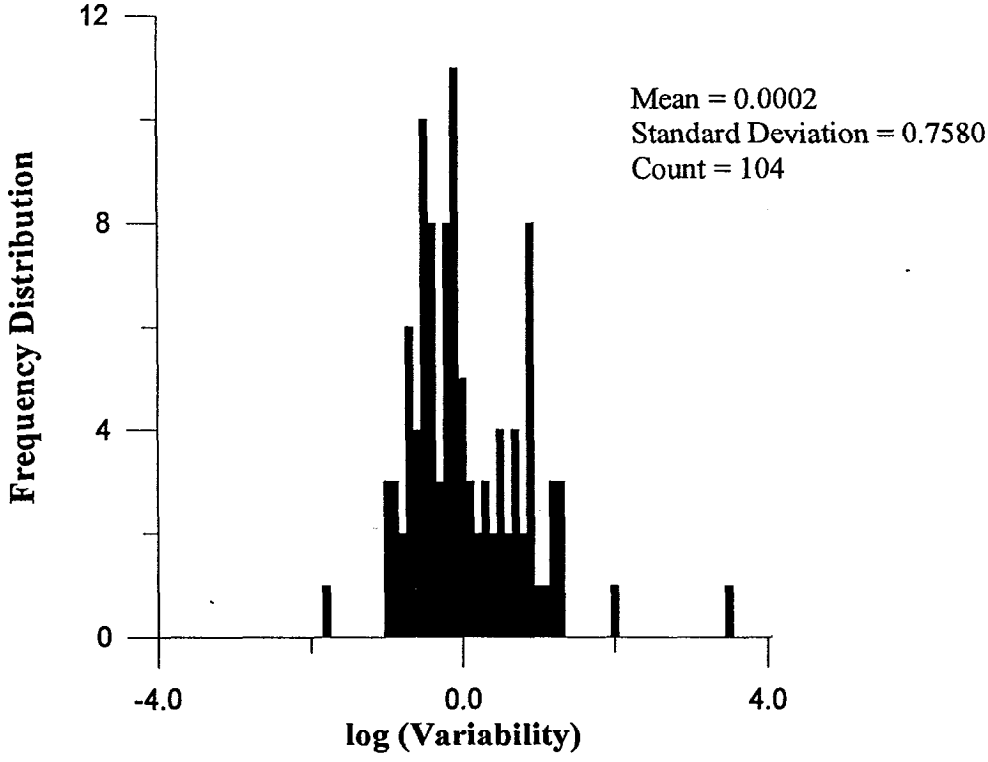
Dissolved/Total Lead Variability



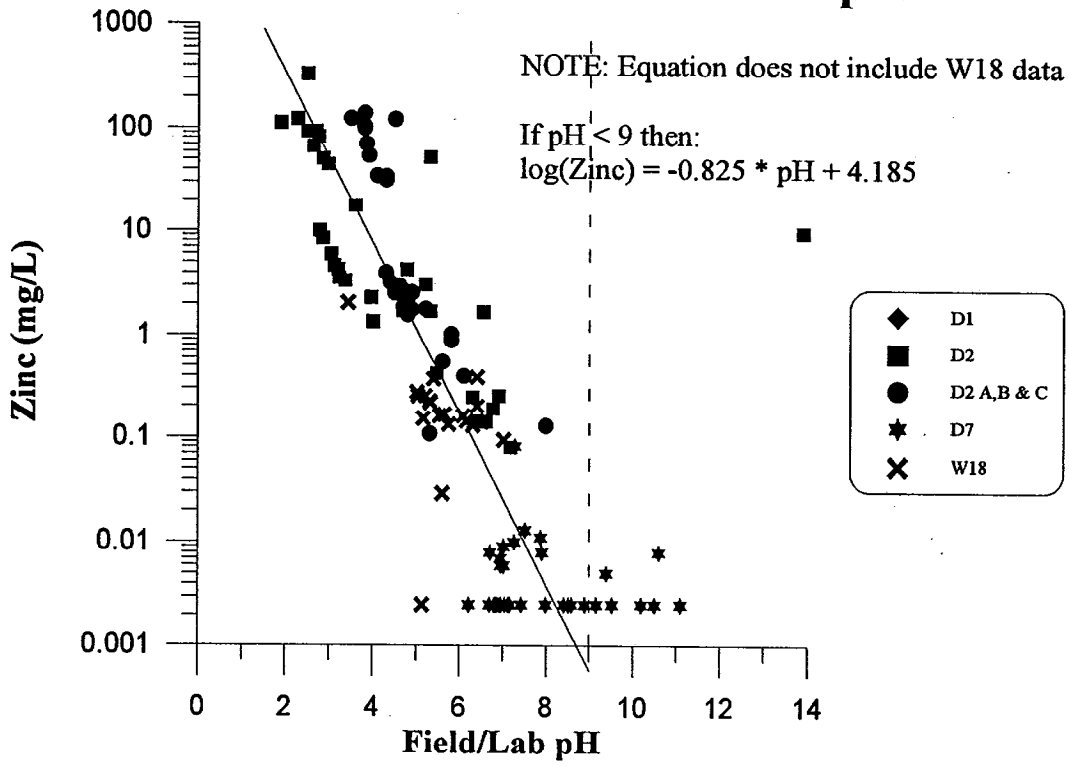
Dissolved/Total Antimony vs Field/Lab pH



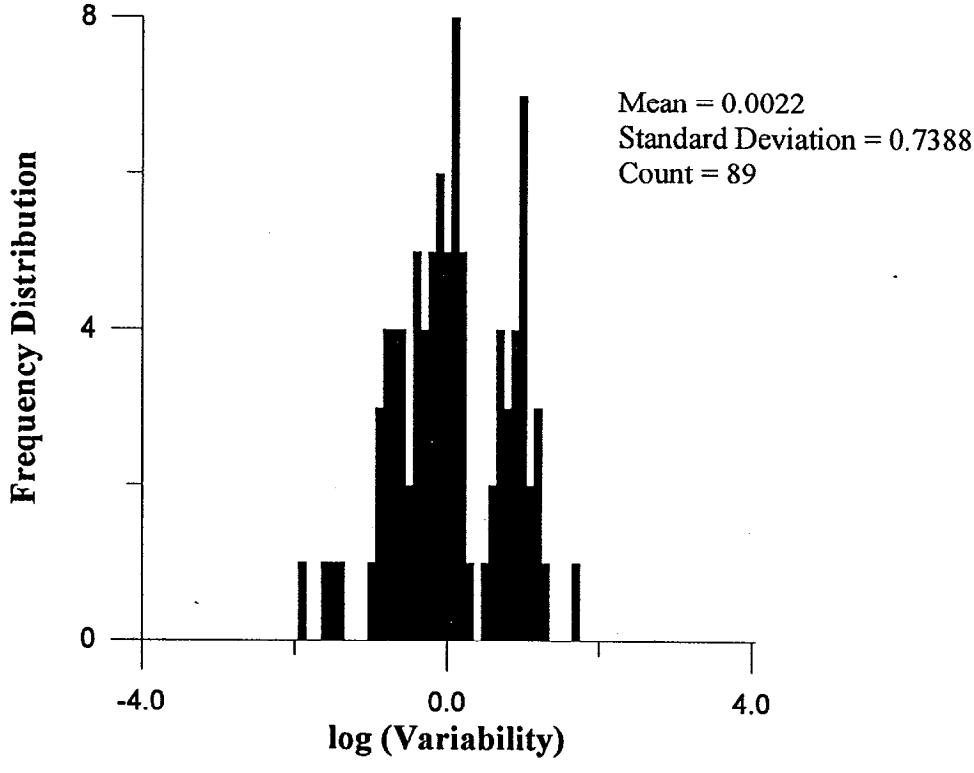
Dissolved/Total Antimony Variability



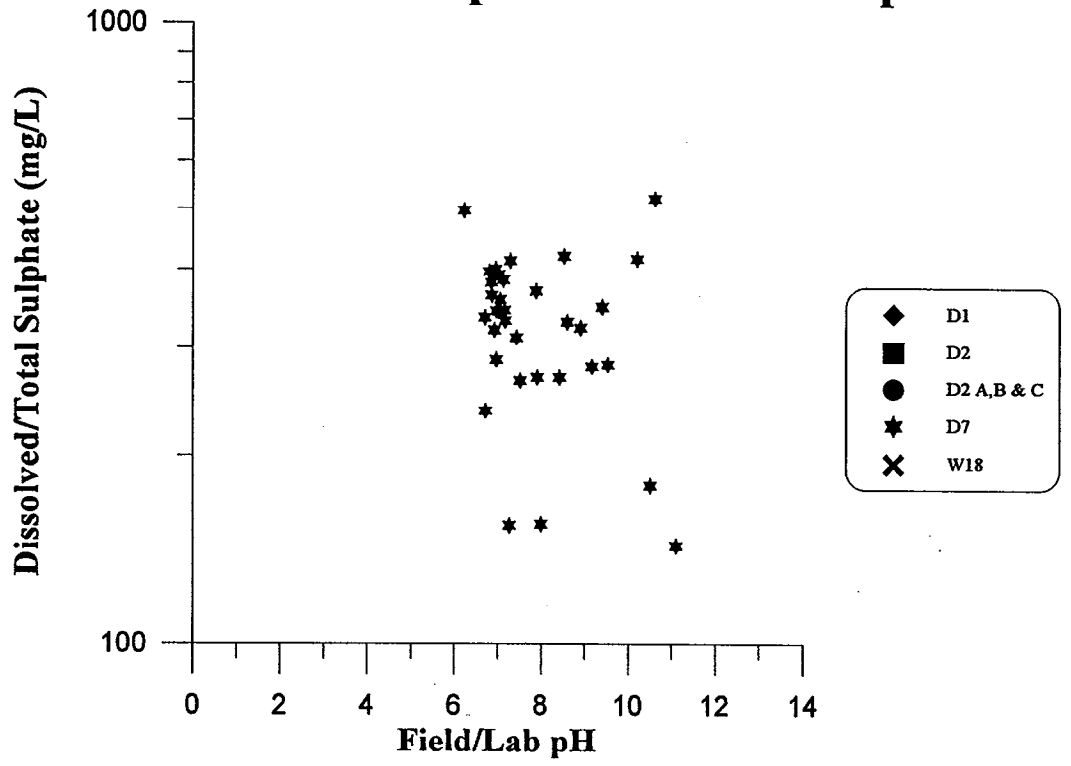
Dissolved/Total Zinc vs Field/Lab pH



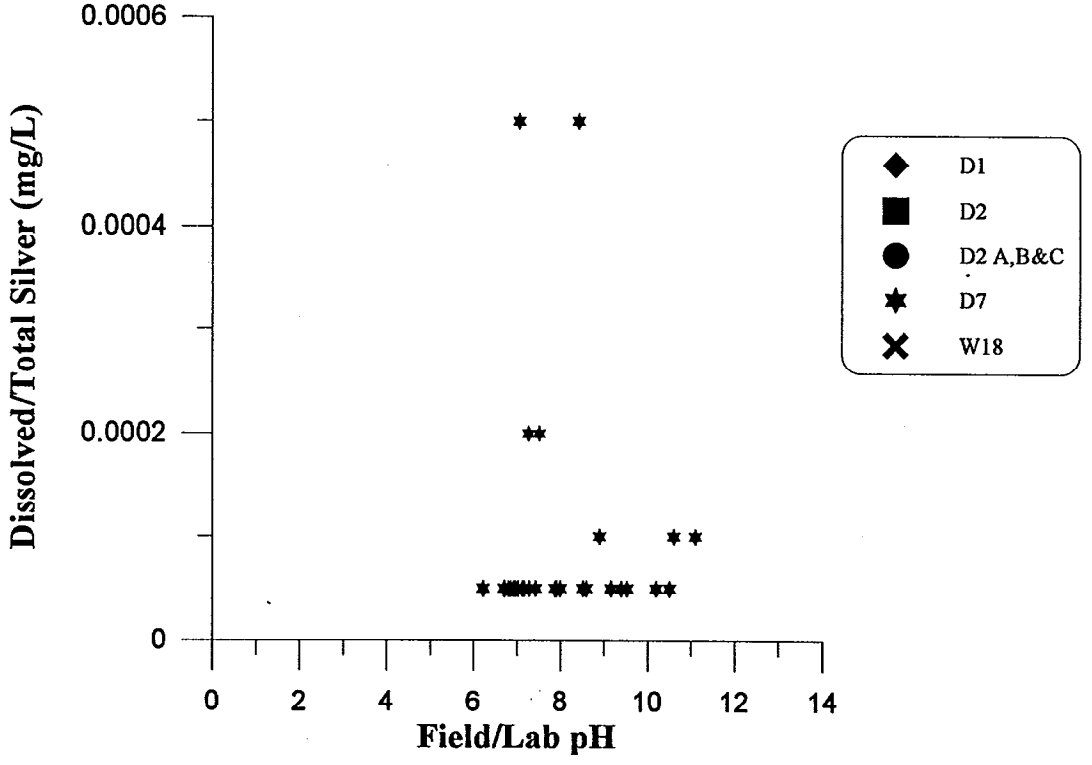
Dissolved/Total Zinc Variability

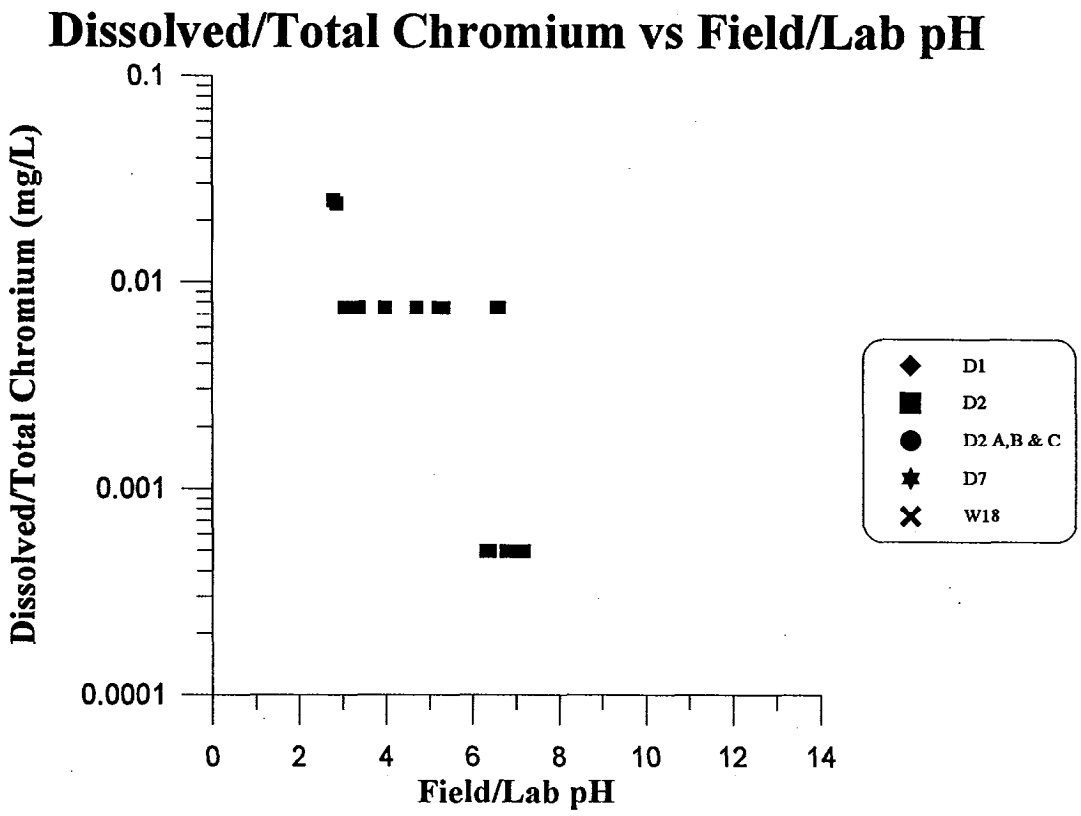


Dissolved/Total Sulphate vs Field/Lab pH

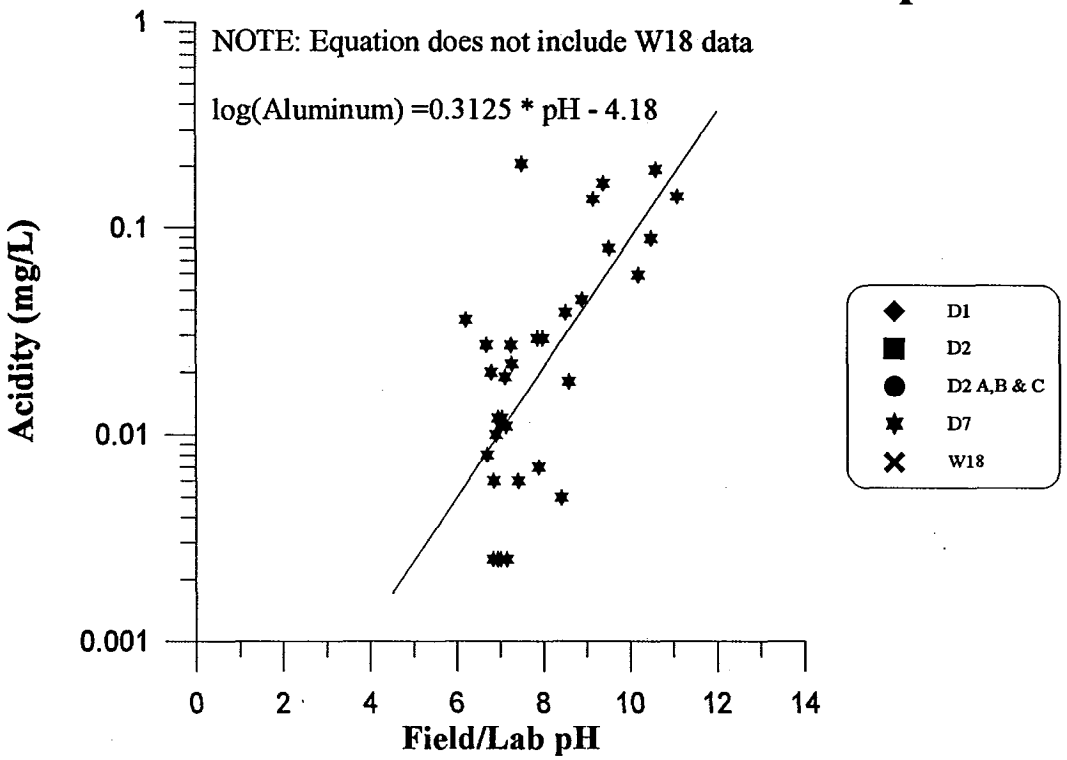


Dissolved/Total Silver vs Field/Lab pH

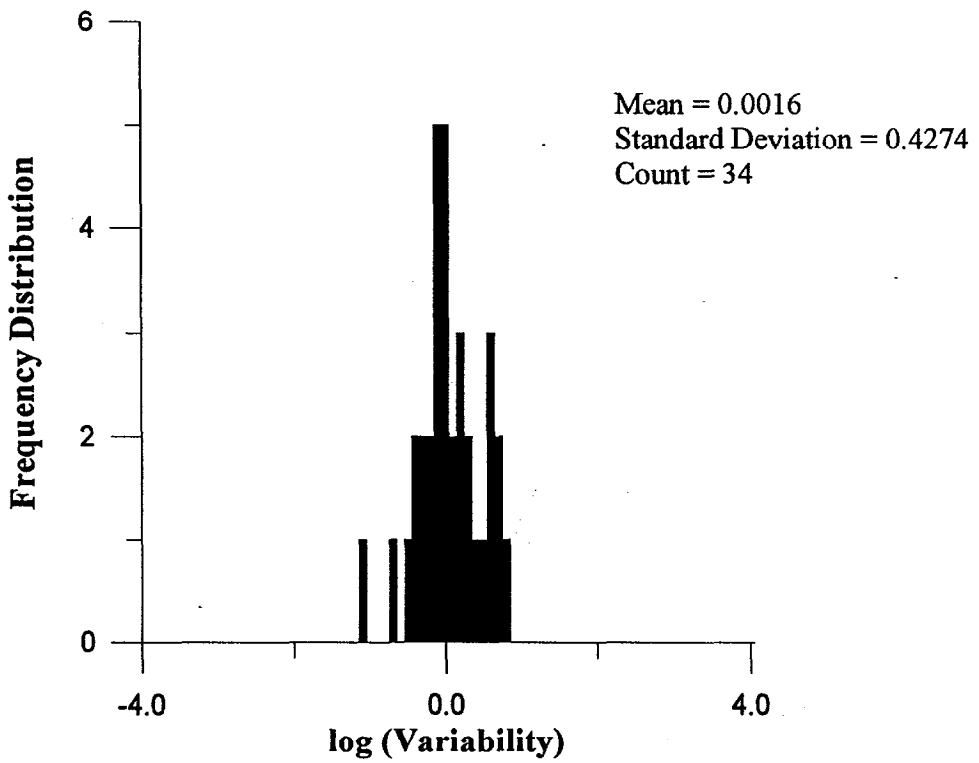



Dissolved/Total Chromium vs Field/Lab pH
Dissolved/Total Chromium (mg/L)
0.1
0.01
0.001
0.0001
0
2
4
6
8
10
12
14
Field/Lab pH
D1
D2
D2 A,B & C
D7
W18

Dissolved/Total Aluminum vs Field/Lab pH



Dissolved/Total Aluminum Variability



APPENDIX

Appendix D. Rinse pH and Lime-Addition Values by Truck Load in 1994 and 1995

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Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
1	13-May-95	18	8.2	0
2	13-May-95	19	8.2	0
3	13-May-95	20	8	0
4	13-May-95	21	8.1	0
5	13-May-95	22	8	0
6	13-May-95	23	8.2	0
7	13-May-95	24	5.2	0.5
8	13-May-95	25	5	0.5
9	13-May-95	26	6	0.5
10	13-May-95	27	6.1	0.5
11	13-May-95	28	6.2	0.5
12	13-May-95	29	3.7	0.5
13	13-May-95	30	4.1	0.5
14	13-May-95	31	4	0.5
15	13-May-95	32	4.2	0.5
16	13-May-95	33	3.9	0.5
17	13-May-95	34	4.5	0.5
18	13-May-95	35	4	0.5
19	13-May-95	36	3.8	0.5
20	13-May-95	37	6.1	0.5
21	13-May-95	38	6.3	0.5
22	13-May-95	39	6	0.5
23	13-May-95	40	6.3	0.5
24	13-May-95	41	6.2	0.5
25	13-May-95	42	6	0.5
26	13-May-95	43	5.6	0.5
27	13-May-95	44	5.9	0.5
28	13-May-95	45	4.7	0.5
29	13-May-95	46	5.2	0.5
30	13-May-95	47	6	0.5
31	13-May-95	48	5.7	0.5
32	13-May-95	49	5.5	0.5
33	13-May-95	50	5.3	0.5
34	13-May-95	51	5.8	0.5
35	13-May-95	52	6	0.5
36	13-May-95	53	5.7	0.5
37	13-May-95	54	5.4	0.5
38	13-May-95	55	5.6	0.5
39	13-May-95	56	6.1	0.5
40	13-May-95	57	5.7	0.5
41	13-May-95	58	5.9	0.5
42	13-May-95	59	6.5	0.5
43	13-May-95	60	5.9	0.5
44	13-May-95	61	5.2	0.5
45	13-May-95	62	6	0.5
46	13-May-95	63	6.5	0.5
47	14-May-95	1	5.5	0.5
48	14-May-95	2	6	0.5
49	14-May-95	3	5.2	0.5
50	14-May-95	4	5.8	0.5
51	14-May-95	5	6.8	0.5
52	14-May-95	6	6.5	0.5
53	14-May-95	7	6.9	0.5
54	14-May-95	8	6.4	0.5
55	14-May-95	9	6.5	0.5
56	14-May-95	10	6.3	0.5
57	14-May-95	11	6.8	0.5
58	14-May-95	12	6	0.5
59	14-May-95	13	6.3	0.5
60	14-May-95	14	6.2	0.5
61	14-May-95	15	4.5	0.5
62	14-May-95	16	4.8	0.5
63	14-May-95	17	6	0.5
64	14-May-95	18	6.5	0.5
65	14-May-95	19	3.8	0.5
66	14-May-95	20	4	0.5
67	14-May-95	21	3.3	1
68	14-May-95	22	3.4	1
69	14-May-95	23	5.8	0.5
70	14-May-95	24	5.4	0.5
71	14-May-95	25	6	0.5
72	14-May-95	26	6.1	0.5
73	14-May-95	27	5.5	0.5
74	14-May-95	28	5.5	0.5
75	14-May-95	29	5.8	0.5
76	14-May-95	30	4.7	0.5
77	14-May-95	31	4.8	0.5
78	14-May-95	32	5.4	0.5
79	14-May-95	33	6.2	0.5
80	14-May-95	34	6.5	0.5
81	14-May-95	35	4.5	0.5
82	14-May-95	36	4.8	0.5
83	14-May-95	37	4.4	0.5
84	14-May-95	38	4.8	0.5
85	14-May-95	39	4	0.5
86	14-May-95	40	5.1	0.5
87	14-May-95	41	4	0.5
88	14-May-95	42	3.4	1
89	14-May-95	43	4.1	0.5
90	14-May-95	44	3.2	1
91	14-May-95	45	5	0.5
92	14-May-95	46	4.8	0.5
93	14-May-95	47	4.2	0.5
94	14-May-95	48	4.9	0.5
95	14-May-95	49	3.9	0.5
96	14-May-95	50	3.2	1
97	14-May-95	52	3.6	1
98	14-May-95	53	3.4	1
99	14-May-95	54	3.2	1
100	14-May-95	55	3.5	1
101	14-May-95	56	3.4	1
102	14-May-95	57	3.2	1
103	14-May-95	58	2.9	1
104	14-May-95	59	3.9	0.5
105	14-May-95	60	4.5	0.5
106	14-May-95	61	4	0.5
107	14-May-95	62	4.5	0.5
108	14-May-95	63	6.8	0.5
109	14-May-95	64	6.2	0.5
110	14-May-95	65	6	0.5
111	14-May-95	66	5.8	0.5
112	14-May-95	67	6.2	0.5
113	14-May-95	68	6.4	0.5
114	14-May-95	69	6.2	0.5
115	14-May-95	70	6	0.5
116	14-May-95	71	6.7	0.5
117	14-May-95	72	6.8	0.5
118	14-May-95	73	6.4	0.5
119	14-May-95	74	3.4	1
120	14-May-95	75	3.9	0.5
121	14-May-95	76	3.2	1
122	15-May-95	1	6.5	0.5
123	15-May-95	2	5.8	0.5
124	15-May-95	3	6.2	0.5
125	15-May-95	4	6	0.5
126	15-May-95	5	6.2	0.5
127	15-May-95	6	5.5	0.5
128	15-May-95	7	5.8	0.5
129	15-May-95	8	6	0.5
130	15-May-95	9	6	0.5
131	15-May-95	10	5.7	0.5
132	15-May-95	11	6.1	0.5
133	15-May-95	12	5.8	0.5
134	15-May-95	13	6.9	0.5
135	15-May-95	14	6.7	0.5
136	15-May-95	15	6	0.5
137	15-May-95	16	6.2	0.5
138	15-May-95	17	7.1	0
139	15-May-95	18	7.4	0
140	15-May-95	19	7	0
141	15-May-95	20	7.1	0
142	15-May-95	21	6.9	0.5
143	15-May-95	22	6.2	0.5
144	15-May-95	23	6.5	0.5
145	15-May-95	24	7.5	0
146	15-May-95	25	7.1	0
147	15-May-95	26	7	0
148	15-May-95	27	7.2	0
149	15-May-95	28	7	0
150	15-May-95	29	7.2	0
151	15-May-95	30	7.1	0
152	15-May-95	31	7.4	0
153	15-May-95	32	7.2	0
154	15-May-95	33	7	0
155	15-May-95	34	7.2	0
156	15-May-95	35	6.8	0.5
157	15-May-95	36	6.2	0.5
158	15-May-95	37	6.5	0.5
159	15-May-95	38	6	0.5
160	15-May-95	39	5.8	0.5
161	15-May-95	40	5.4	0.5
162	15-May-95	41	6	0.5
163	15-May-95	42	4.5	0.5
164	15-May-95	43	4.8	0.5
165	15-May-95	44	4.4	0.5
166	15-May-95	45	4.6	0.5
167	15-May-95	46	5	0.5
168	15-May-95	47	7	0
169	15-May-95	48	6.8	0.5
170	15-May-95	49	6.5	0.5
171	15-May-95	50	6.8	0.5
172	15-May-95	51	6.9	0.5
173	16-May-95	1	6.8	0.5
174	16-May-95	2	6.3	0.5
175	16-May-95	3	5.9	0.5
176	16-May-95	4	6	0.5
177	16-May-95	5	6.8	0.5
178	16-May-95	6	6.2	0.5
179	16-May-95	7	6	0.5
180	16-May-95	8	6.1	0.5
181	16-May-95	9	6.4	0.5
182	16-May-95	10	5.8	0.5
183	16-May-95	11	6	0.5
184	16-May-95	12	6.1	0.5
185	16-May-95	13	6.8	0.5
186	16-May-95	14	5.9	0.5
187	16-May-95	15	5.7	0.5
188	16-May-95	16	5.8	0.5
189	16-May-95	17	6	0.5
190	16-May-95	18	6.4	0.5
191	16-May-95	19	6.5	0.5
192	16-May-95	20	6	0.5
193	16-May-95	21	5.5	0.5
194	16-May-95	22	6.5	0.5
195	16-May-95	23	3.4	1
196	16-May-95	24	3.3	1
197	16-May-95	25	3.5	1
198	16-May-95	26	3	1
199	16-May-95	27	3.2	1
200	16-May-95	28	3.3	1

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
201	16-May-95	29	3.3	1
202	16-May-95	30	3.4	1
203	16-May-95	31	4.1	0.5
204	16-May-95	32	3.9	0.5
205	16-May-95	33	4.4	0.5
206	16-May-95	34	5.9	0.5
207	16-May-95	35	5	0.5
208	16-May-95	36	5.4	0.5
209	16-May-95	37	5.6	0.5
210	16-May-95	38	6	0.5
211	16-May-95	39	5.3	0.5
212	16-May-95	40	6.3	0.5
213	16-May-95	41	5.7	0.5
214	16-May-95	42	6	0.5
215	16-May-95	43	6.5	0.5
216	16-May-95	45	5.3	0.5
217	16-May-95	46	5.4	0.5
218	16-May-95	47	5.2	0.5
219	16-May-95	48	6	0.5
220	16-May-95	49	6.3	0.5
221	16-May-95	50	6.7	0.5
222	16-May-95	51	5.4	0.5
223	16-May-95	52	6.3	0.5
224	16-May-95	54	4.7	0.5
225	16-May-95	55	6.2	0.5
226	16-May-95	56	5.5	0.5
227	16-May-95	57	6	0.5
228	16-May-95	58	5.5	0.5
229	16-May-95	59	5.4	0.5
230	16-May-95	60	5.5	0.5
231	16-May-95	61	6	0.5
232	16-May-95	62	6.3	0.5
233	16-May-95	63	5.3	0.5
234	17-May-95	1	7.5	0
235	17-May-95	2	7.3	0
236	17-May-95	3	7.1	0
237	17-May-95	4	7.6	0
238	17-May-95	5	7.2	0
239	17-May-95	6	2.5	1
240	17-May-95	7	2.9	1
241	17-May-95	8	3.2	1
242	17-May-95	9	3	1
243	17-May-95	10	3.3	1
244	17-May-95	11	2.7	1
245	17-May-95	12	2.9	1
246	17-May-95	13	3	1
247	17-May-95	14	3.1	1
248	17-May-95	15	3.1	1
249	17-May-95	16	3.4	1
250	17-May-95	17	2.9	1
251	17-May-95	18	7.4	0
252	17-May-95	19	7.7	0
253	17-May-95	20	7.2	0
254	17-May-95	21	7.7	0
255	17-May-95	22	7.4	0
256	17-May-95	23	7.7	0
257	17-May-95	24	7.5	0
258	17-May-95	25	7.3	0
259	17-May-95	26	7.5	0
260	17-May-95	27	6.3	0.5
261	17-May-95	28	6.7	0.5
262	17-May-95	29	5.9	0.5
263	17-May-95	30	5.7	0.5
264	17-May-95	31	6	0.5
265	17-May-95	32	6.3	0.5
266	17-May-95	33	5.8	0.5
267	17-May-95	34	6	0.5
268	17-May-95	35	6.2	0.5
269	17-May-95	36	6.5	0.5
270	17-May-95	37	5.8	0.5
271	17-May-95	38	5.5	0.5
272	17-May-95	39	6.3	0.5
273	17-May-95	40	6.2	0.5
274	17-May-95	41	5.8	0.5
275	17-May-95	42	5.7	0.5
276	17-May-95	43	6	0.5
277	17-May-95	44	6.2	0.5
278	17-May-95	45	3.2	1
279	17-May-95	46	3	1
280	17-May-95	47	3.4	1
281	17-May-95	48	2.8	1
282	17-May-95	49	2.9	1
283	17-May-95	50	2.8	1
284	17-May-95	51	2.7	1
285	17-May-95	52	2.9	1
286	17-May-95	53	3.5	1
287	17-May-95	54	3	1
288	17-May-95	55	3.2	1
289	17-May-95	56	3.2	1
290	17-May-95	57	3.4	1
291	17-May-95	58	3.4	1
292	17-May-95	59	3.2	1
293	17-May-95	60	3	1
294	17-May-95	61	4	1
295	17-May-95	62	5.2	0.5
296	17-May-95	63	6.3	0.5
297	17-May-95	64	3.9	0.5
298	17-May-95	65	4.2	0.5
299	17-May-95	66	5.5	0.5
300	17-May-95	67	3.4	1
301	17-May-95	68	3	1
302	17-May-95	69	2.7	1
303	17-May-95	70	2.5	1
304	17-May-95	71	3.1	1
305	17-May-95	72	7.2	0
306	17-May-95	73	7.9	0
307	17-May-95	74	7.5	0
308	17-May-95	75	7.3	0
309	17-May-95	76	8.2	0
310	17-May-95	77	8	0
311	17-May-95	78	6.9	0.5
312	17-May-95	79	4.5	0.5
313	17-May-95	80	3.9	0.5
314	17-May-95	81	4	0.5
315	17-May-95	82	4.8	0.5
316	17-May-95	83	7.9	0
317	17-May-95	84	8	0
318	17-May-95	85	8.5	0
319	17-May-95	86	7.7	0
320	17-May-95	87	7.6	0
321	17-May-95	88	7.3	0
322	18-May-95	1	6.5	0.5
323	18-May-95	2	3.9	0.5
324	18-May-95	3	4	0.5
325	18-May-95	4	6	0.5
326	18-May-95	5	5.3	0.5
327	18-May-95	6	8	0
328	18-May-95	7	7.9	0
329	18-May-95	8	7.4	0
330	18-May-95	9	7.9	0
331	18-May-95	10	8	0
332	18-May-95	11	7.2	0
333	18-May-95	12	7.8	0
334	18-May-95	13	7.5	0
335	18-May-95	14	8.2	0
336	18-May-95	15	8	0
337	18-May-95	16	8	0
338	18-May-95	17	7.9	0
339	18-May-95	18	7.5	0
340	18-May-95	19	7.5	0
341	18-May-95	20	8	0
342	18-May-95	21	8.1	0
343	18-May-95	22	8	0
344	18-May-95	23	7.2	0
345	18-May-95	24	7.8	0
346	18-May-95	25	7.4	0
347	18-May-95	26	7.5	0
348	18-May-95	27	7.4	0
349	18-May-95	28	7.1	0
350	18-May-95	29	7.6	0
351	18-May-95	30	8.1	0
352	18-May-95	31	7.8	0
353	18-May-95	32	7.5	0
354	18-May-95	33	7.4	0
355	18-May-95	34	7.9	0
356	18-May-95	35	7.7	0
357	18-May-95	36	7.4	0
358	18-May-95	37	7.2	0
359	18-May-95	38	7.4	0
360	18-May-95	39	7.8	0
361	18-May-95	40	7.7	0
362	18-May-95	41	7.9	0
363	18-May-95	42	8	0
364	18-May-95	43	8.2	0
365	18-May-95	44	8	0
366	18-May-95	45	7.9	0
367	18-May-95	46	7.2	0
368	18-May-95	47	7.5	0
369	18-May-95	48	6.3	0.5
370	18-May-95	49	6.4	0.5
371	18-May-95	50	6.9	0.5
372	18-May-95	51	5.4	0.5
373	18-May-95	52	5.3	0.5
374	18-May-95	53	6.7	0.5
375	18-May-95	54	6.8	0.5
376	18-May-95	55	6.3	0.5
377	18-May-95	56	5.7	0.5
378	18-May-95	57	4.5	0.5
379	18-May-95	58	4	0.5
380	18-May-95	59	5.1	0.5
381	18-May-95	60	6	0.5
382	18-May-95	61	6.9	0.5
383	18-May-95	62	6.5	0.5
384	18-May-95	63	5.8	0.5
385	18-May-95	64	5.6	0.5
386	18-May-95	65	5.8	0.5
387	18-May-95	66	5.5	0.5
388	18-May-95	67	5.4	0.5
389	18-May-95	68	6	0.5
390	18-May-95	69	4.5	0.5
391	18-May-95	70	4.4	0.5
392	18-May-95	71	4.9	0.5

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
393	18-May-95	72	5.5	0.5
394	18-May-95	73	5	0.5
395	18-May-95	74	4.3	0.5
396	18-May-95	75	4.7	0.5
397	18-May-95	76	5	0.5
398	18-May-95	77	4.3	0.5
399	18-May-95	78	5.9	0.5
400	18-May-95	79	4.8	0.5
401	18-May-95	80	4.5	0.5
402	18-May-95	81	4	0.5
403	18-May-95	82	4.7	0.5
404	18-May-95	83	5.8	0.5
405	18-May-95	84	5.2	0.5
406	18-May-95	85	3.2	1
407	18-May-95	86	2.8	1
408	18-May-95	87	3	1
409	18-May-95	88	3.2	1
410	18-May-95	89	3	1
411	18-May-95	90	3.1	1
412	18-May-95	91	3.4	1
413	18-May-95	92	3	1
414	18-May-95	93	2.9	1
415	18-May-95	94	3.2	1
416	19-May-95	1	6.8	0.5
417	19-May-95	2	6	0.5
418	19-May-95	3	4.5	0.5
419	19-May-95	4	5.1	0.5
420	19-May-95	5	4.3	0.5
421	19-May-95	6	4	0.5
422	19-May-95	7	3.8	0.5
423	19-May-95	8	3.9	0.5
424	19-May-95	9	5.2	0.5
425	19-May-95	10	4.8	0.5
426	19-May-95	11	3.4	1
427	19-May-95	12	3.9	1
428	19-May-95	13	3	1
429	19-May-95	14	2.8	1
430	19-May-95	15	3.1	1
431	19-May-95	16	4.1	0.5
432	19-May-95	17	4.8	0.5
433	19-May-95	18	5.5	0.5
434	19-May-95	19	6	0.5
435	19-May-95	20	5	0.5
436	19-May-95	21	4.1	0.5
437	19-May-95	22	3.2	1
438	19-May-95	23	4.5	0.5
439	19-May-95	24	3	1
440	19-May-95	25	4	0.5
441	19-May-95	26	3.2	1
442	19-May-95	27	3	1
443	19-May-95	28	3.2	1
444	19-May-95	29	2.8	1
445	19-May-95	30	1.8	1
446	19-May-95	31	3.2	1
447	19-May-95	32	2.8	1
448	19-May-95	33	2	1
449	19-May-95	34	3.1	1
450	19-May-95	35	2.1	1
451	19-May-95	36	1	1
452	19-May-95	37	1.9	1
453	19-May-95	38	3.2	1
454	19-May-95	39	2.8	1
455	19-May-95	40	3.9	0.5
456	19-May-95	41	4	0.5
457	19-May-95	42	4	0.5
458	19-May-95	43	4.5	0.5
459	19-May-95	44	4.2	0.5
460	19-May-95	45	3.2	1
461	19-May-95	46	2.8	1
462	19-May-95	47	2.6	1
463	19-May-95	48	3	1
464	19-May-95	49	3.9	0.5
465	19-May-95	50	3.6	0.5
466	19-May-95	51	4.1	0.5
467	19-May-95	52	5.2	0.5
468	19-May-95	53	4.8	0.5
469	19-May-95	54	7.1	0
470	19-May-95	55	7	0
471	19-May-95	56	7.5	0
472	19-May-95	57	7.3	0
473	19-May-95	58	6	0.5
474	19-May-95	59	4.9	0.5
475	19-May-95	60	3.9	0.5
476	19-May-95	63	5.2	0.5
477	19-May-95	64	4.8	0.5
478	19-May-95	65	4	0.5
479	19-May-95	66	3.7	0.5
480	19-May-95	67	3.8	0.5
481	19-May-95	68	4.2	0.5
482	19-May-95	69	5	0.5
483	19-May-95	70	7.3	0
484	19-May-95	71	7.4	0
485	19-May-95	72	7	0
486	19-May-95	73	7.3	0
487	19-May-95	74	7.1	0
488	19-May-95	75	7	0
489	19-May-95	76	7.1	0
490	19-May-95	77	7.4	0
491	19-May-95	78	7.3	0
492	19-May-95	79	7.1	0
493	19-May-95	80	4.3	0.5
494	19-May-95	81	4.9	0.5
495	19-May-95	82	5.6	0.5
496	19-May-95	83	4	0.5
497	19-May-95	84	3.9	0.5
498	20-May-95	1	4.1	0.5
499	20-May-95	2	3.9	0.5
500	20-May-95	3	4	0.5
501	20-May-95	4	4.2	0.5
502	20-May-95	5	4.9	0.5
503	20-May-95	6	7.2	0
504	20-May-95	7	7.9	0
505	20-May-95	8	7.5	0
506	20-May-95	9	7.6	0
507	20-May-95	10	7.9	0
508	20-May-95	11	7.2	0
509	20-May-95	12	7.5	0
510	20-May-95	13	2.8	1
511	20-May-95	14	3.4	1
512	20-May-95	15	3	1
513	20-May-95	16	2.5	1
514	20-May-95	17	3.2	1
515	20-May-95	18	3.1	1
516	20-May-95	19	2.8	1
517	20-May-95	20	2.6	1
518	20-May-95	21	3	1
519	20-May-95	22	2.9	1
520	20-May-95	23	3.9	0.5
521	20-May-95	24	4	0.5
522	20-May-95	25	6.7	0.5
523	20-May-95	26	5.2	0.5
524	20-May-95	27	6.2	0.5
525	20-May-95	28	9.3	0
526	20-May-95	29	8.7	0
527	20-May-95	30	7.3	0
528	20-May-95	31	11.3	0
529	20-May-95	32	10.2	0
530	20-May-95	33	7.3	0
531	20-May-95	34	7.6	0
532	20-May-95	35	7.2	0
533	20-May-95	36	7.3	0
534	20-May-95	37	7.1	0
535	20-May-95	38	7.5	0
536	20-May-95	39	7.8	0
537	20-May-95	40	7.1	0
538	20-May-95	41	7.3	0
539	20-May-95	42	7.8	0
540	20-May-95	43	2.2	1
541	20-May-95	44	2.7	1
542	20-May-95	45	3.2	1
543	20-May-95	46	2.9	1
544	20-May-95	47	2.2	1
545	20-May-95	48	5.9	0.5
546	20-May-95	49	6.3	0.5
547	20-May-95	50	5.2	0.5
548	20-May-95	51	3.9	0.5
549	20-May-95	52	5	0.5
550	20-May-95	53	3.8	0.5
551	20-May-95	54	4.2	0.5
552	20-May-95	55	5.9	0.5
553	20-May-95	56	4	0.5
554	20-May-95	57	4.1	0.5
555	20-May-95	58	7.3	0
556	20-May-95	59	7.2	0
557	20-May-95	60	7.5	0
558	20-May-95	61	7.1	0
559	20-May-95	62	6.3	0.5
560	20-May-95	63	5.2	0.5
561	20-May-95	64	5.8	0.5
562	20-May-95	65	6	0.5
563	21-May-95	1	6	0.5
564	21-May-95	2	5.8	0.5
565	21-May-95	3	6.2	0.5
566	21-May-95	4	4.3	0.5
567	21-May-95	5	5	0.5
568	21-May-95	6	7.4	0
569	21-May-95	7	7.1	0
570	21-May-95	8	7.4	0
571	21-May-95	9	7.5	0
572	21-May-95	10	7.2	0
573	21-May-95	11	7.8	0
574	21-May-95	12	6.5	0.5
575	21-May-95	13	5.8	0.5
576	21-May-95	14	6	0.5
577	21-May-95	15	5.9	0.5
578	21-May-95	16	5.2	0.5
579	21-May-95	17	7.4	0
580	21-May-95	18	7.1	0
581	21-May-95	19	7.8	0
582	21-May-95	20	8	0
583	21-May-95	21	7.6	0
584	21-May-95	22	7.2	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
585	21-May-95	23	2.8	1
586	21-May-95	24	3.1	1
587	21-May-95	25	2.6	1
588	21-May-95	26	3.8	0.5
589	21-May-95	27	3.9	0.5
590	21-May-95	28	4	0.5
591	21-May-95	29	5.8	0.5
592	21-May-95	30	5.1	0.5
593	21-May-95	31	6.3	0.5
594	21-May-95	32	6.5	0.5
595	21-May-95	33	4.3	0.5
596	21-May-95	34	3.8	0.5
597	21-May-95	35	4	0.5
598	21-May-95	36	4.3	0.5
599	21-May-95	37	7.2	0
600	21-May-95	38	7.6	0
601	21-May-95	39	7.8	0
602	21-May-95	40	7.3	0
603	21-May-95	41	7.6	0
604	21-May-95	42	7.1	0
605	21-May-95	43	3.8	0.5
606	21-May-95	44	4.2	0.5
607	21-May-95	45	3.7	0.5
608	21-May-95	46	5.2	0.5
609	21-May-95	47	5	0.5
610	21-May-95	48	7.4	0
611	21-May-95	49	7.8	0
612	21-May-95	50	7.1	0
613	21-May-95	51	7.2	0
614	21-May-95	52	7.4	0
615	21-May-95	53	6.5	0.5
616	21-May-95	54	6.4	0.5
617	21-May-95	55	5	0.5
618	21-May-95	56	5.2	0.5
619	21-May-95	57	6.1	0.5
620	21-May-95	58	4.5	0.5
621	21-May-95	59	4.1	0.5
622	21-May-95	60	4.8	0.5
623	21-May-95	61	4.7	0.5
624	21-May-95	62	5.2	0.5
625	21-May-95	63	5.1	0.5
626	21-May-95	64	5.3	0.5
627	21-May-95	65	5.8	0.5
628	21-May-95	66	3.1	1
629	21-May-95	67	2.8	1
630	21-May-95	68	2.6	1
631	21-May-95	69	3.2	1
632	21-May-95	70	3	1
633	21-May-95	71	2.8	1
634	21-May-95	72	2.3	1
635	21-May-95	73	2.9	1
636	21-May-95	74	3	1
637	21-May-95	75	2.7	1
638	21-May-95	76	3.3	1
639	21-May-95	77	3.6	0.5
640	21-May-95	78	4.1	0.5
641	21-May-95	79	6.3	0.5
642	21-May-95	80	5.7	0.5
643	21-May-95	81	6.2	0.5
644	21-May-95	82	3.6	0.5
645	21-May-95	83	4.5	0.5
646	21-May-95	84	4.1	0.5
647	21-May-95	85	3.9	0.5
648	21-May-95	86	5	0.5
649	21-May-95	87	3.6	0.5
650	21-May-95	88	3.8	0.5
651	21-May-95	89	4.5	0.5
652	21-May-95	90	4.1	0.5
653	22-May-95	1	2.3	1
654	22-May-95	2	2.9	1
655	22-May-95	3	3.4	1
656	22-May-95	4	3.2	1
657	22-May-95	5	3	1
658	22-May-95	6	7.2	0
659	22-May-95	7	7.8	0
660	22-May-95	8	7.2	0
661	22-May-95	9	7.7	0
662	22-May-95	10	7.5	0
663	22-May-95	11	7.8	0
664	22-May-95	12	7.2	0
665	22-May-95	13	7.7	0
666	22-May-95	14	7.4	0
667	22-May-95	15	7.8	0
668	22-May-95	16	7.7	0
669	22-May-95	17	7.8	0
670	22-May-95	18	7.2	0
671	22-May-95	19	7.4	0
672	22-May-95	20	7.9	0
673	22-May-95	21	7.2	0
674	22-May-95	22	7.5	0
675	22-May-95	23	7.9	0
676	22-May-95	24	7.2	0
677	22-May-95	25	7.4	0
678	22-May-95	26	7.4	0
679	22-May-95	27	7.5	0
680	22-May-95	28	2.8	1
681	22-May-95	29	3.4	1
682	22-May-95	30	2.9	1
683	22-May-95	31	2.8	1
684	22-May-95	32	2.6	1
685	22-May-95	33	2.4	1
686	22-May-95	34	2.9	1
687	22-May-95	35	3	1
688	22-May-95	36	3.4	1
689	22-May-95	37	3.3	1
690	22-May-95	38	7.4	0
691	22-May-95	39	7.8	0
692	22-May-95	40	7.3	0
693	22-May-95	41	7.5	0
694	22-May-95	42	7.5	0
695	22-May-95	43	7.4	0
696	22-May-95	44	7.2	0
697	22-May-95	45	7	0
698	22-May-95	46	7.1	0
699	22-May-95	47	7.2	0
700	22-May-95	48	6.3	0.5
701	22-May-95	49	4.5	0.5
702	22-May-95	50	5.2	0.5
703	22-May-95	51	5.1	0.5
704	22-May-95	52	4.9	0.5
705	22-May-95	53	4.2	0.5
706	22-May-95	54	4.9	0.5
707	22-May-95	55	5.8	0.5
708	22-May-95	56	5.2	0.5
709	22-May-95	57	6.3	0.5
710	22-May-95	58	5.9	0.5
711	22-May-95	59	3.7	0.5
712	22-May-95	60	4	0.5
713	22-May-95	61	4.5	0.5
714	22-May-95	62	4.7	0.5
715	22-May-95	63	6.3	0.5
716	22-May-95	64	4	0.5
717	22-May-95	65	3.9	0.5
718	22-May-95	66	5.2	0.5
719	22-May-95	67	5.4	0.5
720	22-May-95	68	5.7	0.5
721	22-May-95	69	3.9	0.5
722	22-May-95	70	4.1	0.5
723	22-May-95	71	4.5	0.5
724	22-May-95	72	3.7	0.5
725	22-May-95	73	4	0.5
726	22-May-95	74	6.3	0.5
727	22-May-95	75	7.4	0
728	22-May-95	76	7.8	0
729	22-May-95	77	7.3	0
730	22-May-95	78	7.4	0
731	22-May-95	79	7.6	0
732	22-May-95	80	7.8	0
733	22-May-95	81	7.2	0
734	22-May-95	82	7.4	0
735	22-May-95	83	7.2	0
736	22-May-95	84	7.7	0
737	22-May-95	85	7.8	0
738	22-May-95	86	8.1	0
739	22-May-95	87	8	0
740	22-May-95	88	7.5	0
741	22-May-95	89	7.6	0
742	24-May-95	1	4.5	0.5
743	24-May-95	2	3.9	0.5
744	24-May-95	3	4.8	0.5
745	24-May-95	4	5.2	0.5
746	24-May-95	5	4.8	0.5
747	24-May-95	6	7.4	0
748	24-May-95	7	7.2	0
749	24-May-95	8	7.8	0
750	24-May-95	9	7.7	0
751	24-May-95	10	7.2	0
752	24-May-95	11	7.8	0
753	24-May-95	12	7.4	0
754	24-May-95	13	7.4	0
755	24-May-95	14	7.1	0
756	24-May-95	15	7.5	0
757	24-May-95	16	5.8	0.5
758	24-May-95	17	4.7	0.5
759	24-May-95	18	5.5	0.5
760	24-May-95	19	5.7	0.5
761	24-May-95	20	6.1	0.5
762	24-May-95	21	6.5	0.5
763	24-May-95	22	5.8	0.5
764	24-May-95	23	5.2	0.5
765	24-May-95	24	5.7	0.5
766	24-May-95	25	5.5	0.5
767	24-May-95	26	5.2	0.5
768	24-May-95	27	4.8	0.5
769	24-May-95	28	5.8	0.5
770	24-May-95	29	4.5	0.5
771	24-May-95	30	5.2	0.5
772	24-May-95	31	7.5	0
773	24-May-95	32	7.2	0
774	24-May-95	33	7.8	0
775	24-May-95	34	7.5	0
776	24-May-95	35	7.8	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
777	24-May-95	36	7.1	0
778	24-May-95	37	7.4	0
779	24-May-95	38	7.4	0
780	24-May-95	39	7.2	0
781	24-May-95	40	7.5	0
782	24-May-95	41	7.4	0
783	24-May-95	42	7.1	0
784	24-May-95	43	7.2	0
785	24-May-95	44	7.8	0
786	24-May-95	45	8	0
787	24-May-95	46	7.5	0
788	24-May-95	47	7.4	0
789	24-May-95	48	7.2	0
790	24-May-95	49	7.3	0
791	24-May-95	50	7.6	0
792	24-May-95	51	7.7	0
793	24-May-95	52	7.2	0
794	24-May-95	53	7	0
795	24-May-95	54	7.5	0
796	24-May-95	55	7.4	0
797	24-May-95	56	7.4	0
798	24-May-95	57	4.8	0.5
799	24-May-95	58	5.2	0.5
800	24-May-95	59	5.5	0.5
801	24-May-95	60	5.4	0.5
802	24-May-95	61	5.5	0.5
803	24-May-95	62	5.9	0.5
804	24-May-95	63	6.2	0.5
805	24-May-95	64	5.4	0.5
806	24-May-95	65	5.2	0.5
807	24-May-95	66	5.5	0.5
808	24-May-95	67	5.7	0.5
809	24-May-95	68	5.5	0.5
810	24-May-95	69	7.2	0
811	24-May-95	70	7.4	0
812	24-May-95	71	7.3	0
813	24-May-95	72	7.4	0
814	24-May-95	73	7.2	0
815	24-May-95	74	7.4	0
816	24-May-95	75	7.3	0
817	24-May-95	76	7.4	0
818	24-May-95	77	7.5	0
819	25-May-95	1	7.4	0
820	25-May-95	2	7.2	0
821	25-May-95	3	7.4	0
822	25-May-95	4	7.5	0
823	25-May-95	5	6.3	0.5
824	25-May-95	6	4.8	0.5
825	25-May-95	7	5.5	0.5
826	25-May-95	8	4.9	0.5
827	25-May-95	9	5.2	0.5
828	25-May-95	10	5.4	0.5
829	25-May-95	11	4.8	0.5
830	25-May-95	12	5.2	0.5
831	25-May-95	13	7.4	0
832	25-May-95	14	7.2	0
833	25-May-95	15	7.5	0
834	25-May-95	16	7.4	0
835	25-May-95	17	7.4	0
836	25-May-95	18	8.1	0
837	25-May-95	19	7.9	0
838	25-May-95	20	7.5	0
839	25-May-95	21	7.2	0
840	25-May-95	22	7.4	0
841	25-May-95	23	7.4	0
842	25-May-95	24	7.5	0
843	25-May-95	25	3.7	1
844	25-May-95	26	3.7	1
845	25-May-95	27	3.7	1
846	25-May-95	28	3.7	1
847	25-May-95	29	3.7	1
848	25-May-95	30	3.7	1
849	25-May-95	31	3.7	1
850	25-May-95	32	7.7	0
851	25-May-95	33	7.7	0
852	25-May-95	34	7.7	0
853	25-May-95	35	7.7	0
854	25-May-95	36	7.7	0
855	25-May-95	37	6	0.5
856	25-May-95	38	6.6	0.5
857	25-May-95	39	6	0.5
858	26-May-95	1	4.7	0.5
859	26-May-95	2	4.7	0.5
860	26-May-95	3	4.7	0.5
861	26-May-95	4	4.7	0.5
862	26-May-95	5	5.1	0.75
863	26-May-95	6	5.7	0.75
864	26-May-95	7	5.9	0.75
865	26-May-95	8	6	0.75
866	26-May-95	9	5.7	0.75
867	26-May-95	10	5.7	0.75
868	26-May-95	11	5.7	0.75
869	26-May-95	12	5.7	0.75
870	26-May-95	13	4.4	0.75
871	26-May-95	14	3.5	0.75
872	26-May-95	15	3.8	0.75
873	26-May-95	16	3.5	0.75
874	26-May-95	17	3.9	0.75
875	26-May-95	18	4.7	0.75
876	26-May-95	19	4.9	0.75
877	26-May-95	20	4.7	0.75
878	26-May-95	21	4.7	0.75
879	26-May-95	22	4.8	0.75
880	26-May-95	23	4.8	0.75
881	26-May-95	24	4.7	0.75
882	26-May-95	25	3.5	0.75
883	26-May-95	26	3.7	0.75
884	26-May-95	27	3.7	0.75
885	26-May-95	28	3.7	0.75
886	26-May-95	29	3.8	0.75
887	26-May-95	30	3.8	0.75
888	26-May-95	31	4	0.75
889	26-May-95	32	4	0.75
890	26-May-95	33	4	0.75
891	26-May-95	34	4	0.75
892	26-May-95	35	3	1
893	26-May-95	36	3	1
894	26-May-95	37	3	1
895	26-May-95	38	4	0.75
896	26-May-95	39	4	0.75
897	26-May-95	40	4	0.75
898	26-May-95	41	4	0.75
899	26-May-95	42	4	0.75
900	26-May-95	43	4	0.75
901	26-May-95	44	4	0.75
902	26-May-95	45	7	0
903	26-May-95	46	7	0
904	26-May-95	47	7	0
905	26-May-95	48	7	0
906	26-May-95	49	7	0
907	26-May-95	50	4	0.75
908	26-May-95	51	4	0.75
909	26-May-95	52	7	0
910	26-May-95	53	7	0
911	26-May-95	54	7	0
912	26-May-95	55	7	0
913	26-May-95	56	7	0
914	26-May-95	57	4	0.75
915	26-May-95	58	4	0.75
916	26-May-95	59	4	0.75
917	26-May-95	60	4	0.75
918	26-May-95	61	4	0.75
919	26-May-95	62	4	0.75
920	26-May-95	63	4	0.75
921	26-May-95	64	4	0.75
922	26-May-95	65	4	0.75
923	26-May-95	66	4	0.75
924	26-May-95	67	4	0.75
925	26-May-95	68	4	0.75
926	27-May-95	1	7.1	0
927	27-May-95	2	7.4	0
928	27-May-95	3	7.1	0
929	27-May-95	4	7.4	0
930	27-May-95	5	7.1	0
931	27-May-95	6	5	0.75
932	27-May-95	7	4.5	0.75
933	27-May-95	8	4.8	0.75
934	27-May-95	9	4.8	0.75
935	27-May-95	10	4.8	0.75
936	27-May-95	11	4.8	0.75
937	27-May-95	12	4.7	0.75
938	27-May-95	13	4.7	0.75
939	27-May-95	14	4.7	0.75
940	27-May-95	15	5.7	0.75
941	27-May-95	16	5.7	0.75
942	27-May-95	17	5.7	0.75
943	27-May-95	18	5.7	0.75
944	27-May-95	19	5.7	0.75
945	27-May-95	20	6.1	0.75
946	27-May-95	21	6.1	0.75
947	27-May-95	22	6.1	0.75
948	27-May-95	23	6.1	0.75
949	27-May-95	24	6.1	0.75
950	27-May-95	25	4.1	0.75
951	27-May-95	26	4.1	0.75
952	27-May-95	27	4.1	0.75
953	27-May-95	28	4.1	0.75
954	27-May-95	29	4.4	0.75
955	27-May-95	30	7.7	0
956	27-May-95	31	7.7	0
957	27-May-95	32	7.7	0
958	27-May-95	33	7.7	0
959	27-May-95	34	7.7	0
960	27-May-95	35	7.2	0
961	27-May-95	36	7.2	0
962	27-May-95	37	7.2	0
963	27-May-95	38	7.2	0
964	27-May-95	39	7.2	0
965	27-May-95	40	7.7	0
966	27-May-95	41	7.7	0
967	27-May-95	42	7.7	0
968	27-May-95	43	7.7	0

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
969	27-May-95	44	7.7	0
970	27-May-95	45	7.4	0
971	27-May-95	46	7.4	0
972	27-May-95	47	7.4	0
973	27-May-95	48	7.4	0
974	27-May-95	49	7.4	0
975	27-May-95	50	4.7	0.75
976	27-May-95	51	4.7	0.75
977	27-May-95	52	4.7	0.75
978	27-May-95	53	4.7	0.75
979	27-May-95	54	4.7	0.75
980	27-May-95	55	5.1	0.75
981	27-May-95	56	5.1	0.75
982	27-May-95	57	5.1	0.75
983	27-May-95	58	5.1	0.75
984	27-May-95	59	5.1	0.75
985	27-May-95	60	4	0.75
986	27-May-95	61	4	0.75
987	27-May-95	62	4	0.75
988	27-May-95	63	4	0.75
989	27-May-95	64	4	0.75
990	27-May-95	65	5.7	0.75
991	27-May-95	66	5.7	0.75
992	27-May-95	67	5.7	0.75
993	27-May-95	68	5.7	0.75
994	27-May-95	69	5.7	0.75
995	27-May-95	70	5.7	0.75
996	27-May-95	71	6.5	0
997	27-May-95	72	6.5	0
998	27-May-95	73	6.5	0
999	27-May-95	74	6.5	0
1000	27-May-95	75	6.5	0
1001	27-May-95	76	5	0.75
1002	27-May-95	77	5	0.75
1003	27-May-95	78	5	0.75
1004	27-May-95	79	5	0.75
1005	27-May-95	80	5	0.75
1006	27-May-95	81	5.3	0.75
1007	27-May-95	82	5.3	0.75
1008	27-May-95	83	5.3	0.75
1009	27-May-95	84	5.3	0.75
1010	27-May-95	85	5.3	0.75
1011	27-May-95	86	4.7	0.75
1012	27-May-95	87	4.7	0.75
1013	27-May-95	88	4.7	0.75
1014	27-May-95	89	4.7	0.75
1015	27-May-95	90	4.7	0.75
1016	27-May-95	91	5	0.75
1017	27-May-95	92	5	0.75
1018	27-May-95	93	7.1	0
1019	27-May-95	94	7.1	0
1020	27-May-95	95	7.1	0
1021	27-May-95	96	7.1	0
1022	27-May-95	97	7.1	0
1023	28-May-95	1	6	2
1024	28-May-95	2	6	2
1025	28-May-95	3	6	2
1026	28-May-95	4	6	2
1027	28-May-95	5	6	2
1028	28-May-95	6	5.5	2
1029	28-May-95	7	5.5	2
1030	28-May-95	8	5.5	2
1031	28-May-95	9	5.5	2
1032	28-May-95	10	5.5	2
1033	28-May-95	11	6.7	2
1034	28-May-95	12	6.7	2
1035	28-May-95	13	6.7	2
1036	28-May-95	14	6.7	2
1037	28-May-95	15	6.7	2
1038	28-May-95	16	6.4	2
1039	28-May-95	17	6.4	2
1040	28-May-95	18	6.4	2
1041	28-May-95	19	6.4	2
1042	28-May-95	20	6.4	2
1043	28-May-95	21	6	2
1044	28-May-95	22	6	2
1045	28-May-95	23	6	2
1046	28-May-95	24	6	2
1047	28-May-95	25	6	2
1048	28-May-95	26	5.2	1
1049	28-May-95	27	5.2	1
1050	28-May-95	28	5.2	1
1051	28-May-95	29	5.2	1
1052	28-May-95	30	3.9	1
1053	28-May-95	31	3.9	1
1054	28-May-95	32	3.9	1
1055	28-May-95	33	3.9	1
1056	28-May-95	34	4	1
1057	28-May-95	35	4	1
1058	28-May-95	36	6.7	1
1059	28-May-95	37	6.7	1
1060	28-May-95	38	6.7	1
1061	28-May-95	39	6.7	1
1062	28-May-95	40	6	1
1063	28-May-95	41	6	1
1064	28-May-95	42	6	1
1065	28-May-95	43	6	1
1066	28-May-95	44	5.7	0.75
1067	28-May-95	45	5.7	0.75
1068	28-May-95	46	5.7	0.75
1069	28-May-95	47	5	0.75
1070	28-May-95	48	10	0
1071	28-May-95	49	10	0
1072	28-May-95	50	10	0
1073	28-May-95	51	10	0
1074	28-May-95	52	9.4	0
1075	28-May-95	53	9.4	0
1076	28-May-95	54	6	0.75
1077	28-May-95	55	6	0.75
1078	28-May-95	56	2.6	1.5
1079	28-May-95	57	2.6	1.5
1080	28-May-95	58	2.6	1.5
1081	28-May-95	59	2.6	1.5
1082	28-May-95	60	2.6	1.5
1083	28-May-95	61	4.6	0.75
1084	28-May-95	62	4.6	0.75
1085	28-May-95	63	4.6	0.75
1086	28-May-95	64	4.6	0.75
1087	28-May-95	65	6.4	0.75
1088	28-May-95	66	6.4	0.75
1089	28-May-95	67	6.4	0.75
1090	28-May-95	68	6.4	0.75
1091	28-May-95	69	6.4	0.75
1092	28-May-95	70	6.7	0.75
1093	28-May-95	71	6.7	0.75
1094	28-May-95	72	6.7	0.75
1095	28-May-95	73	6.7	0.75
1096	28-May-95	74	6	0.75
1097	28-May-95	75	6	0.75
1098	28-May-95	76	6	0.75
1099	28-May-95	77	6	0.75
1100	28-May-95	78	6	0.75
1101	28-May-95	79	6	0.75
1102	29-May-95	1	5.7	1
1103	29-May-95	2	5.7	1
1104	29-May-95	3	5.7	1
1105	29-May-95	4	5.7	1
1106	29-May-95	5	5.7	1
1107	29-May-95	6	5.7	1
1108	29-May-95	7	5.7	1
1109	29-May-95	8	5.7	1
1110	29-May-95	9	5.7	1
1111	29-May-95	10	5.7	1
1112	29-May-95	11	5	1
1113	29-May-95	12	5	1
1114	29-May-95	13	5	1
1115	29-May-95	14	5	1
1116	29-May-95	15	5	1
1117	29-May-95	16	5	1
1118	29-May-95	17	5	1
1119	29-May-95	18	5	1
1120	29-May-95	19	5	1
1121	29-May-95	20	5	1
1122	29-May-95	21	4.4	1
1123	29-May-95	22	4.4	1
1124	29-May-95	23	4.4	1
1125	29-May-95	24	4.4	1
1126	29-May-95	25	4.4	1
1127	29-May-95	26	4.4	1
1128	29-May-95	27	4.4	1
1129	29-May-95	28	4.4	1
1130	29-May-95	29	4.4	1
1131	29-May-95	30	4.4	1
1132	29-May-95	31	6	1
1133	29-May-95	32	6	1
1134	29-May-95	33	6	1
1135	29-May-95	34	6	1
1136	29-May-95	35	6	1
1137	29-May-95	36	6	1
1138	29-May-95	37	6	1
1139	29-May-95	38	6	1
1140	29-May-95	39	6	1
1141	29-May-95	40	6	1
1142	29-May-95	41	5.5	2
1143	29-May-95	42	5.5	2
1144	29-May-95	43	5.5	2
1145	29-May-95	44	5.5	2
1146	29-May-95	45	5.5	2
1147	29-May-95	46	5.5	2
1148	29-May-95	47	5.5	2
1149	29-May-95	48	5.5	2
1150	29-May-95	49	5.5	2
1151	29-May-95	50	5.5	2
1152	29-May-95	51	7.4	0
1153	29-May-95	52	7.4	0
1154	29-May-95	53	7.4	0
1155	29-May-95	54	7.4	0
1156	29-May-95	55	7.4	0
1157	29-May-95	56	7.4	0
1158	29-May-95	57	7.4	0
1159	29-May-95	58	7.4	0
1160	29-May-95	59	7.4	0

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
1161	29-May-95	60	7.4	0
1162	29-May-95	61	4	2
1163	29-May-95	62	4	2
1164	29-May-95	63	4	2
1165	29-May-95	64	4	2
1166	29-May-95	65	4	2
1167	29-May-95	66	4	2
1168	29-May-95	67	4	2
1169	29-May-95	68	4	2
1170	29-May-95	69	4	2
1171	29-May-95	70	4	2
1172	30-May-95	1	5	0.75
1173	30-May-95	2	5	0.75
1174	30-May-95	3	5	0.75
1175	30-May-95	4	5	0.75
1176	30-May-95	5	5	0.75
1177	30-May-95	6	6.2	0.75
1178	30-May-95	7	6.2	0.75
1179	30-May-95	8	6.2	0.75
1180	30-May-95	9	6.2	0.75
1181	30-May-95	10	6.2	0.75
1182	30-May-95	11	4.7	0.75
1183	30-May-95	12	4.7	0.75
1184	30-May-95	13	4.7	0.75
1185	30-May-95	14	4.7	0.75
1186	30-May-95	15	4.7	0.75
1187	30-May-95	16	4.7	0.75
1188	30-May-95	17	5.3	0.75
1189	30-May-95	18	5.3	0.75
1190	30-May-95	19	5.3	0.75
1191	30-May-95	20	5.3	0.75
1192	30-May-95	21	5	0.75
1193	30-May-95	22	5.5	0.75
1194	30-May-95	23	5.4	0.75
1195	30-May-95	24	5.5	0.75
1196	30-May-95	25	5.8	0.75
1197	30-May-95	26	5	0.75
1198	30-May-95	27	4.1	0.75
1199	30-May-95	28	4.2	0.75
1200	30-May-95	29	2.7	1.5
1201	30-May-95	30	3.5	0.75
1202	30-May-95	31	4.9	0.75
1203	30-May-95	32	6.3	0.75
1204	30-May-95	33	5.3	0.75
1205	30-May-95	34	5.5	0.75
1206	30-May-95	35	5.6	0.75
1207	30-May-95	36	5.6	0.75
1208	30-May-95	37	5.5	0.75
1209	30-May-95	38	5.5	0.75
1210	30-May-95	39	6.1	0.75
1211	30-May-95	40	6.1	0.75
1212	30-May-95	41	6	0.75
1213	30-May-95	42	6.2	0.75
1214	30-May-95	43	6	0.75
1215	30-May-95	44	6.2	0.75
1216	30-May-95	45	6.2	0.75
1217	30-May-95	46	2.8	1.5
1218	30-May-95	47	3.5	0.75
1219	30-May-95	48	3.9	0.75
1220	30-May-95	49	4	0.75
1221	30-May-95	50	6.2	0.75
1222	30-May-95	51	6.2	0.75
1223	30-May-95	52	5.1	0.75
1224	30-May-95	53	2.6	1
1225	30-May-95	54	3.5	0.75
1226	30-May-95	55	3.8	0.75
1227	30-May-95	56	5.6	0.75
1228	30-May-95	57	5.6	0.75
1229	30-May-95	58	5.4	0.75
1230	30-May-95	59	5.6	0.75
1231	30-May-95	60	6.9	0.75
1232	31-May-95	1	7.5	0
1233	31-May-95	2	6.8	0.75
1234	31-May-95	3	7	0
1235	31-May-95	4	6.4	0.75
1236	31-May-95	5	5.6	0.75
1237	31-May-95	6	3	1.5
1238	31-May-95	7	3.2	1.5
1239	31-May-95	8	4.9	0.75
1240	31-May-95	9	5.1	0.75
1241	31-May-95	10	6.6	0.75
1242	31-May-95	11	5.4	0.75
1243	31-May-95	12	11.7	0
1244	31-May-95	13	6.5	0.75
1245	31-May-95	14	6.6	0.75
1246	31-May-95	15	6.5	0.75
1247	31-May-95	16	5.8	0.75
1248	31-May-95	17	6	0.75
1249	31-May-95	18	5.4	0.75
1250	31-May-95	19	6.2	0.75
1251	31-May-95	20	4.3	0.75
1252	31-May-95	21	5.9	0.75
1253	31-May-95	22	5.6	0.75
1254	31-May-95	23	3.7	0.75
1255	31-May-95	24	4	0.5
1256	31-May-95	25	4	0.5
1257	31-May-95	26	3.9	0.5
1258	31-May-95	27	4.2	0.5
1259	31-May-95	28	6.3	0.5
1260	31-May-95	29	6	0.5
1261	31-May-95	30	6	0.5
1262	31-May-95	31	6.1	0.5
1263	31-May-95	32	4.5	0.5
1264	31-May-95	33	5.5	0.5
1265	31-May-95	34	6.2	0.5
1266	31-May-95	35	6.3	0.5
1267	31-May-95	36	5.2	0.5
1268	31-May-95	37	6.5	0.5
1269	31-May-95	38	6.5	0.5
1270	31-May-95	39	6.3	0.5
1271	31-May-95	40	6.5	0.5
1272	31-May-95	41	6.2	0.5
1273	31-May-95	42	6	0.5
1274	31-May-95	43	6.1	0.5
1275	31-May-95	44	6	0.5
1276	31-May-95	45	5.1	0.5
1277	31-May-95	46	3.2	1
1278	31-May-95	47	5.5	0.5
1279	31-May-95	48	5	0.5
1280	31-May-95	49	4.5	0.5
1281	31-May-95	50	6.1	0.5
1282	31-May-95	51	5.5	0.5
1283	31-May-95	52	5	0.5
1284	31-May-95	53	5.5	0.5
1285	31-May-95	54	5.8	0.5
1286	31-May-95	55	7.1	0
1287	31-May-95	56	6.4	0.5
1288	31-May-95	57	6	0.5
1289	31-May-95	58	6.6	0.5
1290	31-May-95	59	6	0.5
1291	31-May-95	60	7.1	0
1292	31-May-95	61	7.3	0
1293	31-May-95	62	6.6	0.5
1294	31-May-95	63	6.3	0.5
1295	31-May-95	64	7.1	0
1296	31-May-95	65	7.3	0
1297	31-May-95	66	3.5	0.5
1298	31-May-95	67	3.7	0.5
1299	31-May-95	68	6.8	0.5
1300	31-May-95	69	6.7	0.5
1301	01-Jun-95	1	7.5	0
1302	01-Jun-95	2	6.8	0.75
1303	01-Jun-95	3	6.4	0.75
1304	01-Jun-95	4	5.6	0.75
1305	01-Jun-95	5	5	0.75
1306	01-Jun-95	6	5	0.75
1307	01-Jun-95	7	5	0.75
1308	01-Jun-95	8	5	0.75
1309	01-Jun-95	9	5	0.75
1310	01-Jun-95	10	5	0.75
1311	01-Jun-95	11	4.7	0.75
1312	01-Jun-95	12	4.7	0.75
1313	01-Jun-95	13	4.7	0.75
1314	01-Jun-95	14	4.7	0.75
1315	01-Jun-95	15	4.7	0.75
1316	01-Jun-95	16	4.7	0.75
1317	01-Jun-95	17	6	0.75
1318	01-Jun-95	18	6	0.75
1319	01-Jun-95	19	6	0.75
1320	01-Jun-95	20	6	0.75
1321	01-Jun-95	21	6	0.75
1322	01-Jun-95	22	6.4	0.75
1323	01-Jun-95	23	6.4	0.75
1324	01-Jun-95	24	6.4	0.75
1325	01-Jun-95	25	5.8	0.75
1326	01-Jun-95	26	5.8	0.75
1327	01-Jun-95	27	5.8	0.75
1328	01-Jun-95	28	5.8	0.75
1329	01-Jun-95	29	4	0.75
1330	01-Jun-95	30	4	0.75
1331	01-Jun-95	31	4	0.75
1332	01-Jun-95	32	4	0.75
1333	01-Jun-95	33	4	0.75
1334	01-Jun-95	34	4	0.75
1335	01-Jun-95	35	4	0.75
1336	01-Jun-95	36	4	0.75
1337	01-Jun-95	37	4.6	0.75
1338	01-Jun-95	38	4.6	0.75
1339	01-Jun-95	39	4.6	0.75
1340	01-Jun-95	40	4.6	0.75
1341	01-Jun-95	41	3	1.5
1342	01-Jun-95	42	3	1.5
1343	01-Jun-95	43	3	1.5
1344	01-Jun-95	44	3	1.5
1345	01-Jun-95	45	4.8	0.75
1346	01-Jun-95	46	4.8	0.75
1347	01-Jun-95	47	4.8	0.75
1348	01-Jun-95	48	4.8	0.75
1349	01-Jun-95	49	4.8	0.75
1350	01-Jun-95	50	4.8	0.75
1351	01-Jun-95	51	6.4	0.75
1352	01-Jun-95	52	6.4	0.75

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
1353	01-Jun-95	53	6.4	0.75
1354	01-Jun-95	54	6.4	0.75
1355	01-Jun-95	55	6.4	0.75
1356	01-Jun-95	56	6.4	0.75
1357	01-Jun-95	57	4.8	0.75
1358	01-Jun-95	58	4.8	0.75
1359	01-Jun-95	59	4.8	0.75
1360	01-Jun-95	60	4.8	0.75
1361	01-Jun-95	61	4.9	0.75
1362	01-Jun-95	62	4.9	0.75
1363	01-Jun-95	63	4.9	0.75
1364	01-Jun-95	64	4.9	0.75
1365	01-Jun-95	65	4.9	0.75
1366	01-Jun-95	66	4.9	0.75
1367	01-Jun-95	67	5.7	0.75
1368	01-Jun-95	68	5.7	0.75
1369	01-Jun-95	69	5.7	0.75
1370	01-Jun-95	70	5.7	0.75
1371	01-Jun-95	71	3.9	0.75
1372	01-Jun-95	72	3.9	0.75
1373	01-Jun-95	73	4.6	0.75
1374	01-Jun-95	74	4.6	0.75
1375	01-Jun-95	75	4.6	0.75
1376	01-Jun-95	76	4.6	0.75
1377	01-Jun-95	77	6	0.75
1378	01-Jun-95	78	6	0.75
1379	01-Jun-95	79	6	0.75
1380	01-Jun-95	80	6	0.75
1381	01-Jun-95	81	6	0.75
1382	01-Jun-95	82	6	0.75
1383	01-Jun-95	83	6	0.75
1384	01-Jun-95	84	6	0.75
1385	01-Jun-95	85	6	0.75
1386	01-Jun-95	86	6	0.75
1387	01-Jun-95	87	6	0.75
1388	01-Jun-95	88	6	0.75
1389	01-Jun-95	89	6	0.75
1390	01-Jun-95	90	6	0.75
1391	02-Jun-95	1	6	0.75
1392	02-Jun-95	2	6	0.75
1393	02-Jun-95	3	6	0.75
1394	02-Jun-95	4	6	0.75
1395	02-Jun-95	5	5.7	0.75
1396	02-Jun-95	6	5.7	0.75
1397	02-Jun-95	7	5.7	0.75
1398	02-Jun-95	8	5.7	0.75
1399	02-Jun-95	9	7.3	0
1400	02-Jun-95	10	7.3	0
1401	02-Jun-95	11	7.3	0
1402	02-Jun-95	12	7.3	0
1403	02-Jun-95	13	7.3	0
1404	02-Jun-95	14	4	0.75
1405	02-Jun-95	15	7.1	0
1406	02-Jun-95	16	7.1	0
1407	02-Jun-95	17	7.1	0
1408	02-Jun-95	18	7.1	0
1409	02-Jun-95	19	7.1	0
1410	02-Jun-95	20	7.1	0
1411	02-Jun-95	21	4.6	0.75
1412	02-Jun-95	22	4.6	0.75
1413	02-Jun-95	23	4.6	0.75
1414	02-Jun-95	24	4.6	0.75
1415	02-Jun-95	25	4.6	0.75
1416	02-Jun-95	26	5	0.75
1417	02-Jun-95	27	5	0.75
1418	02-Jun-95	28	5	0.75
1419	02-Jun-95	29	5	0.75
1420	02-Jun-95	30	5	0.75
1421	02-Jun-95	31	7.9	0
1422	02-Jun-95	32	7.9	0
1423	02-Jun-95	33	7.9	0
1424	02-Jun-95	34	7.9	0
1425	02-Jun-95	35	7.9	0
1426	02-Jun-95	36	7.9	0
1427	02-Jun-95	37	7.4	0
1428	02-Jun-95	38	7.4	0
1429	02-Jun-95	39	7.4	0
1430	02-Jun-95	40	7.4	0
1431	02-Jun-95	41	7.6	0
1432	02-Jun-95	42	7.6	0
1433	02-Jun-95	43	7.6	0
1434	02-Jun-95	44	7.6	0
1435	02-Jun-95	45	7.6	0
1436	02-Jun-95	46	7.6	0
1437	02-Jun-95	47	7.4	0
1438	02-Jun-95	48	7.4	0
1439	02-Jun-95	49	7.4	0
1440	02-Jun-95	50	7.4	0
1441	02-Jun-95	51	7.2	0
1442	02-Jun-95	52	7.8	0
1443	02-Jun-95	53	7.8	0
1444	02-Jun-95	54	7.8	0
1445	02-Jun-95	55	7.8	0
1446	02-Jun-95	56	5	0.75
1447	02-Jun-95	57	7.8	0
1448	02-Jun-95	58	7.8	0
1449	02-Jun-95	59	7.8	0
1450	02-Jun-95	60	7.8	0
1451	02-Jun-95	61	7.2	0
1452	02-Jun-95	62	7.2	0
1453	02-Jun-95	63	7.2	0
1454	02-Jun-95	64	7.2	0
1455	02-Jun-95	65	7.2	0
1456	02-Jun-95	66	7.2	0
1457	02-Jun-95	67	7.2	0
1458	02-Jun-95	68	7.2	0
1459	02-Jun-95	69	7.8	0
1460	02-Jun-95	70	7.8	0
1461	02-Jun-95	71	7.8	0
1462	02-Jun-95	72	7.8	0
1463	02-Jun-95	73	7.8	0
1464	02-Jun-95	74	7.4	0
1465	02-Jun-95	75	7.4	0
1466	02-Jun-95	76	7.4	0
1467	02-Jun-95	77	7.4	0
1468	02-Jun-95	78	7.4	0
1469	03-Jun-95	1	7	0
1470	03-Jun-95	2	7	0
1471	03-Jun-95	3	7	0
1472	03-Jun-95	4	7	0
1473	03-Jun-95	5	7.4	0
1474	03-Jun-95	6	7.4	0
1475	03-Jun-95	7	7.4	0
1476	03-Jun-95	8	7.4	0
1477	03-Jun-95	9	7.7	0
1478	03-Jun-95	10	7.7	0
1479	03-Jun-95	11	7.7	0
1480	03-Jun-95	12	7.7	0
1481	03-Jun-95	13	7.7	0
1482	03-Jun-95	14	7.7	0
1483	03-Jun-95	15	7.7	0
1484	03-Jun-95	16	7.1	0
1485	03-Jun-95	17	7.1	0
1486	03-Jun-95	18	7.1	0
1487	03-Jun-95	19	7.1	0
1488	03-Jun-95	20	7.1	0
1489	03-Jun-95	21	7.1	0
1490	03-Jun-95	22	7.1	0
1491	03-Jun-95	23	7.1	0
1492	03-Jun-95	24	7.1	0
1493	03-Jun-95	25	7.4	0
1494	03-Jun-95	26	7.4	0
1495	03-Jun-95	27	7.4	0
1496	03-Jun-95	28	7.4	0
1497	03-Jun-95	29	6.6	0.75
1498	03-Jun-95	30	6.6	0.75
1499	03-Jun-95	31	6.6	0.75
1500	03-Jun-95	32	6.6	0.75
1501	03-Jun-95	33	6.6	0.75
1502	03-Jun-95	34	6.9	0.75
1503	03-Jun-95	35	6.9	0.75
1504	03-Jun-95	36	6.9	0.75
1505	03-Jun-95	37	6.9	0.75
1506	03-Jun-95	38	6.4	0.75
1507	03-Jun-95	39	6.4	0.75
1508	03-Jun-95	40	6.4	0.75
1509	03-Jun-95	41	6.4	0.75
1510	03-Jun-95	42	6.4	0.75
1511	03-Jun-95	43	5.7	0.75
1512	03-Jun-95	44	5.7	0.75
1513	03-Jun-95	45	5.7	0.75
1514	03-Jun-95	46	5.5	0.75
1515	03-Jun-95	47	5.5	0.75
1516	03-Jun-95	48	5.5	0.75
1517	03-Jun-95	49	5.5	0.75
1518	03-Jun-95	50	5.5	0.75
1519	03-Jun-95	51	6.7	0.75
1520	03-Jun-95	52	6.7	0.75
1521	03-Jun-95	53	6.7	0.75
1522	03-Jun-95	54	6.7	0.75
1523	03-Jun-95	55	6.5	0.75
1524	03-Jun-95	56	6.5	0.75
1525	03-Jun-95	57	6.5	0.75
1526	03-Jun-95	58	6.5	0.75
1527	03-Jun-95	59	6.5	0.75
1528	03-Jun-95	60	7	0
1529	03-Jun-95	61	6.5	0.75
1530	03-Jun-95	62	6.5	0.75
1531	03-Jun-95	63	6.5	0.75
1532	03-Jun-95	64	6.5	0.75
1533	03-Jun-95	65	6.5	0.75
1534	03-Jun-95	66	6.6	0.75
1535	03-Jun-95	67	6.6	0.75
1536	03-Jun-95	68	6.6	0.75
1537	03-Jun-95	69	6.6	0.75
1538	03-Jun-95	70	6.6	0.75
1539	03-Jun-95	71	6.6	0.75
1540	03-Jun-95	72	6.6	0.75
1541	03-Jun-95	73	6.2	0.75
1542	03-Jun-95	74	6.2	0.75
1543	03-Jun-95	75	6.2	0.75
1544	03-Jun-95	76	6.2	0.75

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
1545	03-Jun-95	77	6.2	0.75
1546	03-Jun-95	78	6.2	0.75
1547	03-Jun-95	79	6.2	0.75
1548	03-Jun-95	80	6.2	0.75
1549	03-Jun-95	81	6.2	0.75
1550	03-Jun-95	82	6	0.75
1551	03-Jun-95	83	6	0.75
1552	03-Jun-95	84	6	0.75
1553	03-Jun-95	85	6	0.75
1554	03-Jun-95	86	6	0.75
1555	03-Jun-95	87	6	0.75
1556	04-Jun-95	1	6.7	0.75
1557	04-Jun-95	2	6.7	0.75
1558	04-Jun-95	3	6.7	0.75
1559	04-Jun-95	4	6.7	0.75
1560	04-Jun-95	5	6.7	0.75
1561	04-Jun-95	6	6.7	0.75
1562	04-Jun-95	7	6.4	0.75
1563	04-Jun-95	8	6.4	0.75
1564	04-Jun-95	9	6.4	0.75
1565	04-Jun-95	10	6.4	0.75
1566	04-Jun-95	11	6.4	0.75
1567	04-Jun-95	12	6.4	0.75
1568	04-Jun-95	13	6.4	0.75
1569	04-Jun-95	14	6.4	0.75
1570	04-Jun-95	15	6.4	0.75
1571	04-Jun-95	16	5.7	0.75
1572	04-Jun-95	17	5.7	0.75
1573	04-Jun-95	18	5.7	0.75
1574	04-Jun-95	19	5.7	0.75
1575	04-Jun-95	20	6	0.75
1576	04-Jun-95	21	6	0.75
1577	04-Jun-95	22	6	0.75
1578	04-Jun-95	23	6	0
1579	04-Jun-95	24	6	0
1580	04-Jun-95	25	6	0
1581	04-Jun-95	26	6	0
1582	04-Jun-95	27	6	0
1583	04-Jun-95	28	6	0
1584	04-Jun-95	29	6.9	0
1585	04-Jun-95	30	6.9	0
1586	04-Jun-95	31	6.9	0
1587	04-Jun-95	32	6.9	0
1588	04-Jun-95	33	6.9	0
1589	04-Jun-95	34	6.9	0
1590	04-Jun-95	35	6.9	0
1591	04-Jun-95	36	6.9	0
1592	04-Jun-95	37	6.9	0
1593	04-Jun-95	38	6.9	0
1594	04-Jun-95	39	6.9	0
1595	04-Jun-95	40	6.9	0
1596	04-Jun-95	41	5.7	0.75
1597	04-Jun-95	42	5.7	0.75
1598	04-Jun-95	43	5.7	0.75
1599	04-Jun-95	44	5.7	0.75
1600	04-Jun-95	45	5.3	0.75
1601	04-Jun-95	46	5.3	0.75
1602	04-Jun-95	47	5.3	0.75
1603	04-Jun-95	48	5.3	0.75
1604	04-Jun-95	49	5.3	0.75
1605	04-Jun-95	50	5.3	0.75
1606	04-Jun-95	51	6.5	0.75
1607	04-Jun-95	52	6.5	0.75
1608	04-Jun-95	53	6.5	0.75
1609	04-Jun-95	54	6.5	0.75
1610	04-Jun-95	55	7.2	0
1611	04-Jun-95	56	7.2	0
1612	04-Jun-95	57	7.2	0
1613	04-Jun-95	58	7.2	0
1614	04-Jun-95	59	7.2	0
1615	04-Jun-95	60	7.2	0
1616	04-Jun-95	61	7.2	0
1617	04-Jun-95	62	7.9	0
1618	04-Jun-95	63	7.9	0
1619	04-Jun-95	64	7.9	0
1620	04-Jun-95	65	7.9	0
1621	04-Jun-95	66	7.9	0
1622	04-Jun-95	67	6.2	0.75
1623	04-Jun-95	68	6.2	0.75
1624	04-Jun-95	69	6.2	0.75
1625	04-Jun-95	70	6.2	0.75
1626	04-Jun-95	71	6.2	0.75
1627	04-Jun-95	72	6.2	0.75
1628	04-Jun-95	73	5.7	0.75
1629	04-Jun-95	74	5.7	0.75
1630	04-Jun-95	75	5.7	0.75
1631	04-Jun-95	76	6.3	0.75
1632	04-Jun-95	77	6.3	0.75
1633	04-Jun-95	78	6.3	0.75
1634	04-Jun-95	79	6.3	0.75
1635	04-Jun-95	80	6.3	0.75
1636	04-Jun-95	81	6	0.75
1637	04-Jun-95	82	6	0.75
1638	04-Jun-95	83	6	0.75
1639	04-Jun-95	84	6	0.75
1640	04-Jun-95	85	6	0.75
1641	04-Jun-95	86	6.8	0.75
1642	04-Jun-95	87	6.8	0.75
1643	04-Jun-95	88	6.8	0.75
1644	04-Jun-95	89	6.8	0.75
1645	04-Jun-95	90	6.8	0.75
1646	04-Jun-95	91	6.8	0.75
1647	04-Jun-95	92	6.8	0.75
1648	04-Jun-95	93	6.8	0.75
1649	05-Jun-95	1	7.4	0
1650	05-Jun-95	2	7.4	0
1651	05-Jun-95	3	7.4	0
1652	05-Jun-95	4	7.4	0
1653	05-Jun-95	5	7.4	0
1654	05-Jun-95	6	8.1	0
1655	05-Jun-95	7	8.1	0
1656	05-Jun-95	8	8.1	0
1657	05-Jun-95	9	8.1	0
1658	05-Jun-95	10	8.1	0
1659	05-Jun-95	11	5.9	0.75
1660	05-Jun-95	12	5.9	0.75
1661	05-Jun-95	13	5.9	0.75
1662	05-Jun-95	14	5.9	0.75
1663	05-Jun-95	15	5.9	0.75
1664	05-Jun-95	16	5.9	0.75
1665	05-Jun-95	17	5.9	0.75
1666	05-Jun-95	18	5.9	0.75
1667	05-Jun-95	19	6.8	0.75
1668	05-Jun-95	20	6.8	0.75
1669	05-Jun-95	21	6.8	0.75
1670	05-Jun-95	22	6.8	0.75
1671	05-Jun-95	23	6.8	0.75
1672	05-Jun-95	24	6.8	0.75
1673	05-Jun-95	25	6	0.75
1674	05-Jun-95	26	6	0.75
1675	05-Jun-95	27	6	0.75
1676	05-Jun-95	28	6	0.75
1677	05-Jun-95	29	6	0.75
1678	05-Jun-95	30	6	0.75
1679	05-Jun-95	31	6.7	0.75
1680	05-Jun-95	32	6.7	0.75
1681	05-Jun-95	33	6.7	0.75
1682	05-Jun-95	34	6.7	0.75
1683	05-Jun-95	35	6.7	0.75
1684	05-Jun-95	36	6.7	0.75
1685	05-Jun-95	37	6.4	0.75
1686	05-Jun-95	38	6.4	0.75
1687	05-Jun-95	39	6.4	0.75
1688	05-Jun-95	40	6.4	0.75
1689	05-Jun-95	41	6.4	0.75
1690	05-Jun-95	42	6.9	0.75
1691	05-Jun-95	43	6.9	0.75
1692	05-Jun-95	44	6.9	0.75
1693	05-Jun-95	45	6.9	0.75
1694	05-Jun-95	46	6.9	0.75
1695	05-Jun-95	47	6.7	0.75
1696	05-Jun-95	48	6.7	0.75
1697	05-Jun-95	49	6.7	0.75
1698	05-Jun-95	50	6.7	0.75
1699	05-Jun-95	51	6.7	0.75
1700	05-Jun-95	52	6.7	0.75
1701	05-Jun-95	53	6.7	0.75
1702	05-Jun-95	54	5.3	0.75
1703	05-Jun-95	55	5.3	0.75
1704	05-Jun-95	56	5.3	0.75
1705	05-Jun-95	57	5.3	0.75
1706	05-Jun-95	58	5.3	0.75
1707	05-Jun-95	59	5.3	0.75
1708	05-Jun-95	60	5.3	0.75
1709	05-Jun-95	61	6.8	0.75
1710	05-Jun-95	62	6.8	0.75
1711	05-Jun-95	63	6.8	0.75
1712	05-Jun-95	64	6.8	0.75
1713	05-Jun-95	65	6.8	0.75
1714	05-Jun-95	66	6.8	0.75
1715	05-Jun-95	67	7.1	0
1716	05-Jun-95	68	7.1	0
1717	05-Jun-95	69	7.1	0
1718	05-Jun-95	70	7.1	0
1719	05-Jun-95	71	7.1	0
1720	05-Jun-95	72	7.1	0
1721	05-Jun-95	73	6.7	0.75
1722	05-Jun-95	74	6.7	0.75
1723	05-Jun-95	75	6.7	0.75
1724	05-Jun-95	76	6.7	0.75
1725	05-Jun-95	77	6.7	0.75
1726	05-Jun-95	78	6.4	0.75
1727	05-Jun-95	79	6.4	0.75
1728	05-Jun-95	80	6.4	0.75
1729	05-Jun-95	81	6.4	0.75
1730	05-Jun-95	82	6.4	0.75
1731	05-Jun-95	83	6.4	0.75
1732	05-Jun-95	84	6.4	0.75
1733	05-Jun-95	85	6.9	0.75
1734	05-Jun-95	86	6.9	0.75
1735	05-Jun-95	87	6.9	0.75
1736	05-Jun-95	88	6.9	0.75

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
1737	05-Jun-95	89	6.9	0.75
1738	05-Jun-95	90	6.9	0.75
1739	05-Jun-95	91	7.5	0
1740	05-Jun-95	92	7.5	0
1741	05-Jun-95	93	7.5	0
1742	05-Jun-95	94	7.5	0
1743	05-Jun-95	95	6.6	0.75
1744	05-Jun-95	96	6.6	0.75
1745	05-Jun-95	97	6.6	0.75
1746	05-Jun-95	98	6.6	0.75
1747	05-Jun-95	99	6.6	0.75
1748	05-Jun-95	100	6.6	0.75
1749	06-Jun-95	1	6	0.75
1750	06-Jun-95	2	6	0.75
1751	06-Jun-95	3	6	0.75
1752	06-Jun-95	4	6	0.75
1753	06-Jun-95	5	6	0.75
1754	06-Jun-95	6	6.9	0.75
1755	06-Jun-95	7	6.9	0.75
1756	06-Jun-95	8	6.9	0.75
1757	06-Jun-95	9	6.9	0.75
1758	06-Jun-95	10	6.9	0.75
1759	06-Jun-95	11	5.7	0.75
1760	06-Jun-95	12	5.7	0.75
1761	06-Jun-95	13	5.7	0.75
1762	06-Jun-95	14	5.7	0.75
1763	06-Jun-95	15	5.7	0.75
1764	06-Jun-95	16	7.3	0.75
1765	06-Jun-95	17	7.3	0.75
1766	06-Jun-95	18	7.3	0.75
1767	06-Jun-95	19	7.3	0.75
1768	06-Jun-95	20	7.3	0.75
1769	06-Jun-95	21	7.3	0.75
1770	06-Jun-95	22	6.4	0.75
1771	06-Jun-95	23	6.4	0.75
1772	06-Jun-95	24	6.4	0.75
1773	06-Jun-95	25	6.4	0.75
1774	06-Jun-95	26	6.4	0.75
1775	06-Jun-95	27	6.4	0.75
1776	06-Jun-95	28	5.3	0.75
1777	06-Jun-95	29	5.3	0.75
1778	06-Jun-95	30	5.3	0.75
1779	06-Jun-95	31	5.3	0.75
1780	06-Jun-95	32	5.3	0.75
1781	06-Jun-95	33	5.3	0.75
1782	06-Jun-95	34	6.5	0.75
1783	06-Jun-95	35	6.5	0.75
1784	06-Jun-95	36	6.5	0.75
1785	06-Jun-95	37	6.5	0.75
1786	06-Jun-95	38	6.5	0.75
1787	06-Jun-95	39	6.5	0.75
1788	06-Jun-95	40	6.5	0.75
1789	06-Jun-95	41	7.3	0
1790	06-Jun-95	42	7.3	0
1791	06-Jun-95	43	7.3	0
1792	06-Jun-95	44	7.3	0
1793	06-Jun-95	45	7.3	0
1794	06-Jun-95	46	7.3	0
1795	06-Jun-95	47	8	0
1796	06-Jun-95	48	8	0
1797	06-Jun-95	49	8	0
1798	06-Jun-95	50	8	0
1799	06-Jun-95	51	8	0
1800	06-Jun-95	52	8	0
1801	06-Jun-95	53	8	0
1802	06-Jun-95	54	7.4	0
1803	06-Jun-95	55	7.4	0
1804	06-Jun-95	56	7.4	0
1805	06-Jun-95	57	7.4	0
1806	06-Jun-95	58	5.7	0.75
1807	06-Jun-95	59	5.7	0.75
1808	06-Jun-95	60	5.7	0.75
1809	06-Jun-95	61	5.7	0.75
1810	06-Jun-95	62	5.7	0.75
1811	06-Jun-95	63	5.7	0.75
1812	06-Jun-95	64	5.7	0.75
1813	06-Jun-95	65	6.3	0.75
1814	06-Jun-95	66	6.3	0.75
1815	06-Jun-95	67	6.3	0.75
1816	06-Jun-95	68	6.3	0.75
1817	06-Jun-95	69	6.3	0.75
1818	06-Jun-95	70	6.3	0.75
1819	06-Jun-95	71	6.3	0.75
1820	06-Jun-95	72	5.9	0.75
1821	06-Jun-95	73	5.9	0.75
1822	06-Jun-95	74	5.9	0.75
1823	06-Jun-95	75	5.9	0.75
1824	06-Jun-95	76	5.9	0.75
1825	06-Jun-95	77	5.9	0.75
1826	06-Jun-95	78	5.9	0.75
1827	06-Jun-95	79	7.3	0
1828	06-Jun-95	80	7.3	0
1829	06-Jun-95	81	7.3	0
1830	06-Jun-95	82	7.3	0
1831	06-Jun-95	83	7.3	0
1832	06-Jun-95	84	7.3	0
1833	06-Jun-95	85	6.8	0
1834	06-Jun-95	86	6.8	0
1835	06-Jun-95	87	6.8	0
1836	06-Jun-95	88	6.8	0
1837	06-Jun-95	89	6.8	0
1838	06-Jun-95	90	6.8	0
1839	06-Jun-95	91	7.2	0
1840	06-Jun-95	92	7.2	0
1841	06-Jun-95	93	7.2	0
1842	06-Jun-95	94	7.2	0
1843	06-Jun-95	95	7.2	0
1844	06-Jun-95	96	7.2	0
1845	06-Jun-95	97	7.2	0
1846	06-Jun-95	98	7.2	0
1847	06-Jun-95	99	7.2	0
1848	07-Jun-95	1	6	0.75
1849	07-Jun-95	2	6	0.75
1850	07-Jun-95	3	6	0.75
1851	07-Jun-95	4	6	0.75
1852	07-Jun-95	5	6	0.75
1853	07-Jun-95	6	6	0.75
1854	07-Jun-95	7	6	0.75
1855	07-Jun-95	8	6.6	0
1856	07-Jun-95	9	6.6	0
1857	07-Jun-95	10	6.6	0
1858	07-Jun-95	11	6.6	0
1859	07-Jun-95	12	6.6	0.75
1860	07-Jun-95	13	6.6	0
1861	07-Jun-95	14	6.6	0
1862	07-Jun-95	15	6.6	0
1863	07-Jun-95	16	6.6	0
1864	07-Jun-95	17	6.9	0
1865	07-Jun-95	18	6.9	0.75
1866	07-Jun-95	19	6.9	0
1867	07-Jun-95	20	6.9	0
1868	07-Jun-95	21	6.9	0
1869	07-Jun-95	22	6.9	0
1870	07-Jun-95	23	6.9	0
1871	07-Jun-95	24	7.3	0
1872	07-Jun-95	25	7.3	0
1873	07-Jun-95	26	7.3	0
1874	07-Jun-95	27	7.3	0
1875	07-Jun-95	28	7.3	0
1876	07-Jun-95	29	7.3	0
1877	07-Jun-95	30	7.3	0
1878	07-Jun-95	31	7.3	0
1879	07-Jun-95	32	6.7	0.75
1880	07-Jun-95	33	6.7	0.75
1881	07-Jun-95	34	6.7	0.75
1882	07-Jun-95	35	6.7	0.75
1883	07-Jun-95	36	6.7	0.75
1884	07-Jun-95	37	6.3	0.75
1885	07-Jun-95	38	6.3	0.75
1886	07-Jun-95	39	6.3	0.75
1887	07-Jun-95	40	6.3	0.75
1888	07-Jun-95	41	6.3	0.75
1889	07-Jun-95	42	6.1	0.75
1890	07-Jun-95	43	6.1	0.75
1891	07-Jun-95	44	6.1	0.75
1892	07-Jun-95	45	6.1	0.75
1893	07-Jun-95	46	6.1	0.75
1894	07-Jun-95	47	6.1	0.75
1895	07-Jun-95	48	7.2	0
1896	07-Jun-95	49	7.2	0
1897	07-Jun-95	50	7.2	0
1898	07-Jun-95	51	7.2	0
1899	07-Jun-95	52	7.2	0
1900	07-Jun-95	53	7.2	0
1901	07-Jun-95	54	5.7	0.75
1902	07-Jun-95	55	5.7	0.75
1903	07-Jun-95	56	5.7	0.75
1904	07-Jun-95	57	5.7	0.75
1905	07-Jun-95	58	5.7	0.75
1906	07-Jun-95	59	5.7	0.75
1907	07-Jun-95	60	5.7	0.75
1908	07-Jun-95	61	5.9	0.75
1909	07-Jun-95	62	5.9	0.75
1910	07-Jun-95	63	5.9	0.75
1911	07-Jun-95	64	5.9	0.75
1912	07-Jun-95	65	5.9	0.75
1913	07-Jun-95	66	6.8	0
1914	07-Jun-95	67	6.8	0
1915	07-Jun-95	68	6.8	0
1916	07-Jun-95	69	6.8	0
1917	07-Jun-95	70	6.8	0
1918	07-Jun-95	71	6.9	0
1919	07-Jun-95	72	6.9	0
1920	07-Jun-95	73	6.9	0
1921	07-Jun-95	74	6.9	0
1922	07-Jun-95	75	6.9	0
1923	07-Jun-95	76	6.9	0
1924	07-Jun-95	77	7	0
1925	07-Jun-95	78	7	0
1926	07-Jun-95	79	7	0
1927	07-Jun-95	80	7	0
1928	08-Jun-95	1	5	0.75

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
1929	08-Jun-95	2	5	0.75
1930	08-Jun-95	3	5	0.75
1931	08-Jun-95	4	5	0.75
1932	08-Jun-95	5	5	0.75
1933	08-Jun-95	6	5	0.75
1934	08-Jun-95	7	5	0.75
1935	08-Jun-95	8	5	0.75
1936	08-Jun-95	9	5	0.75
1937	08-Jun-95	10	6.3	0.75
1938	08-Jun-95	11	6.3	0.75
1939	08-Jun-95	12	6.3	0.75
1940	08-Jun-95	13	6.3	0.75
1941	08-Jun-95	14	6.3	0.75
1942	08-Jun-95	15	6.3	0.75
1943	08-Jun-95	16	6.3	0.75
1944	08-Jun-95	17	7.8	0
1945	08-Jun-95	18	7.8	0
1946	08-Jun-95	19	7.8	0
1947	08-Jun-95	20	7.8	0
1948	08-Jun-95	21	7.8	0
1949	08-Jun-95	22	7.8	0
1950	08-Jun-95	23	7.8	0
1951	08-Jun-95	24	7.8	0
1952	08-Jun-95	25	7.8	0
1953	08-Jun-95	26	7.8	0
1954	08-Jun-95	27	7.8	0
1955	08-Jun-95	28	7.4	0
1956	08-Jun-95	29	7.4	0
1957	08-Jun-95	30	7.4	0
1958	08-Jun-95	31	7	0
1959	08-Jun-95	32	7	0
1960	08-Jun-95	33	7	0
1961	08-Jun-95	34	7	0
1962	08-Jun-95	35	7	0
1963	08-Jun-95	36	7	0
1964	08-Jun-95	37	7	0
1965	08-Jun-95	38	7	0
1966	08-Jun-95	39	7	0
1967	08-Jun-95	40	7	0
1968	08-Jun-95	41	7	0
1969	08-Jun-95	42	7	0
1970	08-Jun-95	43	7	0
1971	08-Jun-95	44	7	0
1972	08-Jun-95	45	7	0
1973	08-Jun-95	46	7	0
1974	08-Jun-95	47	7	0
1975	08-Jun-95	48	7	0
1976	08-Jun-95	49	7	0
1977	08-Jun-95	50	7	0
1978	08-Jun-95	51	7	0
1979	08-Jun-95	52	7	0
1980	08-Jun-95	53	7	0
1981	08-Jun-95	54	7	0
1982	08-Jun-95	55	7	0
1983	08-Jun-95	56	7	0
1984	08-Jun-95	57	7	0
1985	08-Jun-95	58	7	0
1986	08-Jun-95	59	7	0
1987	08-Jun-95	60	7	0
1988	08-Jun-95	61	7	0
1989	08-Jun-95	62	7	0
1990	08-Jun-95	63	7	0
1991	08-Jun-95	64	7	0
1992	08-Jun-95	65	7	0
1993	08-Jun-95	66	7	0
1994	08-Jun-95	67	7	0
1995	08-Jun-95	68	7	0
1996	08-Jun-95	69	7	0
1997	08-Jun-95	70	7	0
1998	08-Jun-95	71	5.2	1
1999	08-Jun-95	72	5.5	1
2000	08-Jun-95	73	5.7	1
2001	08-Jun-95	74	6.1	1
2002	08-Jun-95	75	6.5	1
2003	08-Jun-95	76	5.5	1
2004	08-Jun-95	77	6.1	1
2005	08-Jun-95	78	6.3	1
2006	08-Jun-95	79	6.1	1
2007	08-Jun-95	80	6.2	1
2008	08-Jun-95	81	5.8	1
2009	08-Jun-95	82	5.5	1
2010	08-Jun-95	83	6.3	1
2011	08-Jun-95	84	6.5	1
2012	08-Jun-95	85	3.5	1
2013	08-Jun-95	86	4.2	1
2014	08-Jun-95	87	5.5	1
2015	08-Jun-95	88	6.3	1
2016	08-Jun-95	89	5.5	1
2017	08-Jun-95	90	5.4	1
2018	08-Jun-95	91	6.2	1
2019	08-Jun-95	92	5.8	1
2020	08-Jun-95	93	5.5	1
2021	09-Jun-95	1	4.5	1
2022	09-Jun-95	2	5.2	1
2023	09-Jun-95	3	5.1	1
2024	09-Jun-95	4	4.3	1
2025	09-Jun-95	5	6.2	1
2026	09-Jun-95	6	6.1	1
2027	09-Jun-95	7	2.6	1.5
2028	09-Jun-95	8	2.5	1.5
2029	09-Jun-95	9	2.3	1.5
2030	09-Jun-95	10	2.2	1.5
2031	09-Jun-95	11	2.6	1.5
2032	09-Jun-95	12	2.3	1.5
2033	09-Jun-95	13	2.3	1.5
2034	09-Jun-95	14	2.6	1.5
2035	09-Jun-95	15	3.2	1.5
2036	09-Jun-95	16	2.8	1.5
2037	09-Jun-95	17	2.8	1.5
2038	09-Jun-95	18	2.8	1.5
2039	09-Jun-95	19	2.2	1.5
2040	09-Jun-95	20	2.1	1.5
2041	09-Jun-95	21	2.2	1.5
2042	09-Jun-95	22	2.4	1.5
2043	09-Jun-95	23	2.5	1.5
2044	09-Jun-95	24	2.5	1.5
2045	09-Jun-95	25	2.4	1.5
2046	09-Jun-95	26	2.2	1.5
2047	09-Jun-95	27	2.2	1.5
2048	09-Jun-95	28	2.1	1.5
2049	09-Jun-95	29	2.8	1.5
2050	09-Jun-95	30	2.6	1.5
2051	09-Jun-95	31	2.9	1.5
2052	09-Jun-95	32	2.8	1.5
2053	09-Jun-95	33	2.8	1.5
2054	09-Jun-95	34	2.8	1.5
2055	09-Jun-95	35	2.9	1.5
2056	09-Jun-95	36	2.2	1.5
2057	09-Jun-95	37	2.8	1.5
2058	09-Jun-95	38	2.9	1.5
2059	09-Jun-95	39	2.9	1.5
2060	09-Jun-95	40	2.6	1.5
2061	09-Jun-95	41	2.6	1.5
2062	09-Jun-95	42	2.8	1.5
2063	09-Jun-95	43	3	1.5
2064	09-Jun-95	44	3	1.5
2065	09-Jun-95	45	2.8	1.5
2066	09-Jun-95	46	2.8	1.5
2067	09-Jun-95	47	2.9	1.5
2068	09-Jun-95	48	2.8	1.5
2069	09-Jun-95	49	2.6	1.5
2070	09-Jun-95	50	2.3	1.5
2071	09-Jun-95	51	2.2	1.5
2072	09-Jun-95	52	2.4	1.5
2073	09-Jun-95	53	2.3	1.5
2074	09-Jun-95	54	2.2	1.5
2075	09-Jun-95	55	2.3	1.5
2076	09-Jun-95	56	2.6	1.5
2077	09-Jun-95	57	2.2	1.5
2078	09-Jun-95	58	2.1	1.5
2079	09-Jun-95	59	2.2	1.5
2080	09-Jun-95	60	2.2	1.5
2081	09-Jun-95	61	2.1	1.5
2082	09-Jun-95	62	2.5	1.5
2083	09-Jun-95	63	2.1	1.5
2084	09-Jun-95	64	2.2	1.5
2085	09-Jun-95	65	2.4	1.5
2086	09-Jun-95	66	2.4	1.5
2087	09-Jun-95	67	2.1	1.5
2088	09-Jun-95	68	2.2	1.5
2089	09-Jun-95	69	2.5	1.5
2090	09-Jun-95	70	2.2	1.5
2091	09-Jun-95	71	2.6	1.5
2092	09-Jun-95	72	2.1	1.5
2093	09-Jun-95	73	2.4	1.5
2094	09-Jun-95	74	2.5	1.5
2095	09-Jun-95	75	2.3	1.5
2096	09-Jun-95	76	2.2	1.5
2097	09-Jun-95	77	2.2	1.5
2098	09-Jun-95	78	2.1	1.5
2099	09-Jun-95	79	2.1	1.5
2100	09-Jun-95	80	2.5	1.5
2101	09-Jun-95	81	2.2	1.5
2102	09-Jun-95	82	2.2	1.5
2103	09-Jun-95	83	2.4	1.5
2104	09-Jun-95	84	2.2	1.5
2105	09-Jun-95	85	2	1.5
2106	09-Jun-95	86	2.2	1.5
2107	09-Jun-95	87	2.2	1.5
2108	09-Jun-95	88	2.3	1.5
2109	09-Jun-95	89	2.2	1.5
2110	09-Jun-95	90	2.1	1.5
2111	09-Jun-95	91	2.4	1.5
2112	09-Jun-95	92	2.2	1.5
2113	09-Jun-95	93	2.4	1.5
2114	09-Jun-95	94	2.9	1.5
2115	09-Jun-95	95	2.4	1.5
2116	09-Jun-95	96	2.5	1.5
2117	09-Jun-95	97	2.2	1.5
2118	09-Jun-95	98	2.1	1.5
2119	09-Jun-95	99	2.2	1.5
2120	09-Jun-95	100	2.6	1.5

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
2121	09-Jun-95	101	2.4	1.5
2122	09-Jun-95	102	2.1	1.5
2123	09-Jun-95	103	2.2	1.5
2124	10-Jun-95	1	2.2	1.5
2125	10-Jun-95	2	2.5	1.5
2126	10-Jun-95	3	2.1	1.5
2127	10-Jun-95	4	2.6	1.5
2128	10-Jun-95	5	2.2	1.5
2129	10-Jun-95	6	2.1	1.5
2130	10-Jun-95	7	2.2	1.5
2131	10-Jun-95	8	2.5	1.5
2132	10-Jun-95	9	2.1	1.5
2133	10-Jun-95	10	2.6	1.5
2134	10-Jun-95	11	2.3	1.5
2135	10-Jun-95	12	2.2	1.5
2136	10-Jun-95	13	2.2	1.5
2137	10-Jun-95	14	2.1	1.5
2138	10-Jun-95	15	2.2	1.5
2139	10-Jun-95	16	2.8	1.5
2140	10-Jun-95	17	3	1.5
2141	10-Jun-95	18	2.8	1.5
2142	10-Jun-95	19	2.8	1.5
2143	10-Jun-95	20	3	1.5
2144	10-Jun-95	21	2.2	1.5
2145	10-Jun-95	22	2.8	1.5
2146	10-Jun-95	23	3	1.5
2147	10-Jun-95	24	2.2	1.5
2148	10-Jun-95	25	2.6	1.5
2149	10-Jun-95	26	3	1.5
2150	10-Jun-95	27	2.2	1.5
2151	10-Jun-95	28	2.4	1.5
2152	10-Jun-95	29	2.3	1.5
2153	10-Jun-95	30	2.1	1.5
2154	10-Jun-95	31	2.4	1.5
2155	10-Jun-95	32	2.5	1.5
2156	10-Jun-95	33	2.6	1.5
2157	10-Jun-95	34	2.1	1.5
2158	10-Jun-95	35	2.3	1.5
2159	10-Jun-95	36	2.6	1.5
2160	10-Jun-95	37	2.2	1.5
2161	10-Jun-95	38	2.1	1.5
2162	10-Jun-95	39	2.2	1.5
2163	10-Jun-95	40	2.6	1.5
2164	10-Jun-95	41	2.2	1.5
2165	10-Jun-95	42	2.1	1.5
2166	10-Jun-95	43	2.6	1.5
2167	10-Jun-95	44	2.1	1.5
2168	10-Jun-95	45	2.3	1.5
2169	10-Jun-95	46	2.2	1.5
2170	10-Jun-95	47	2.6	1.5
2171	10-Jun-95	48	2.2	1.5
2172	10-Jun-95	49	2.1	1.5
2173	10-Jun-95	50	2.3	1.5
2174	10-Jun-95	51	2.4	1.5
2175	10-Jun-95	52	2.3	1.5
2176	10-Jun-95	53	2.6	1.5
2177	10-Jun-95	54	2.5	1.5
2178	10-Jun-95	55	2.2	1.5
2179	10-Jun-95	56	2.2	1.5
2180	10-Jun-95	57	2.1	1.5
2181	10-Jun-95	58	2.5	1.5
2182	10-Jun-95	59	2.2	1.5
2183	10-Jun-95	60	2.4	1.5
2184	10-Jun-95	61	2.4	1.5
2185	10-Jun-95	62	2.1	1.5
2186	10-Jun-95	63	2.2	1.5
2187	10-Jun-95	64	5.5	1
2188	10-Jun-95	65	4.5	1
2189	10-Jun-95	66	4.8	1
2190	10-Jun-95	67	4.2	1
2191	10-Jun-95	68	4.5	1
2192	10-Jun-95	69	4.5	1
2193	10-Jun-95	70	2.2	1.5
2194	10-Jun-95	71	2.5	1.5
2195	10-Jun-95	72	2.4	1.5
2196	10-Jun-95	73	2.1	1.5
2197	10-Jun-95	74	2.6	1.5
2198	10-Jun-95	75	2.2	1.5
2199	10-Jun-95	76	2.2	1.5
2200	10-Jun-95	77	3.1	1.5
2201	10-Jun-95	78	2.8	1.5
2202	10-Jun-95	79	2.2	1.5
2203	10-Jun-95	80	2.4	1.5
2204	10-Jun-95	81	2.2	1.5
2205	10-Jun-95	82	2.3	1.5
2206	10-Jun-95	83	2.6	1.5
2207	10-Jun-95	84	2.2	1.5
2208	10-Jun-95	85	2.6	1.5
2209	10-Jun-95	86	2.2	1.5
2210	10-Jun-95	87	2.1	1.5
2211	10-Jun-95	88	2.2	1.5
2212	10-Jun-95	89	2.6	1.5
2213	10-Jun-95	90	2.3	1.5
2214	10-Jun-95	91	2.5	1.5
2215	10-Jun-95	92	2.1	1.5
2216	10-Jun-95	93	2.2	1.5
2217	10-Jun-95	94	2.2	1.5
2218	10-Jun-95	95	2.1	1.5
2219	10-Jun-95	96	2.2	1.5
2220	10-Jun-95	97	2.2	1.5
2221	10-Jun-95	98	2.4	1.5
2222	10-Jun-95	99	2.2	1.5
2223	10-Jun-95	100	2.5	1.5
2224	10-Jun-95	101	2.4	1.5
2225	10-Jun-95	102	2.1	1.5
2226	10-Jun-95	103	2.4	1.5
2227	10-Jun-95	104	2.6	1.5
2228	10-Jun-95	105	2.2	1.5
2229	11-Jun-95	1	2.2	1.5
2230	11-Jun-95	2	2.4	1.5
2231	11-Jun-95	3	2.8	1.5
2232	11-Jun-95	4	3	1.5
2233	11-Jun-95	5	3.1	1.5
2234	11-Jun-95	6	2.8	1.5
2235	11-Jun-95	7	2.2	1.5
2236	11-Jun-95	8	2.4	1.5
2237	11-Jun-95	9	2.6	1.5
2238	11-Jun-95	10	2.4	1.5
2239	11-Jun-95	11	2.3	1.5
2240	11-Jun-95	12	2.5	1.5
2241	11-Jun-95	13	2.2	1.5
2242	11-Jun-95	14	2.1	1.5
2243	11-Jun-95	15	4.5	1
2244	11-Jun-95	16	6.3	1
2245	11-Jun-95	17	6.8	1
2246	11-Jun-95	18	2.4	1.5
2247	11-Jun-95	19	2.2	1.5
2248	11-Jun-95	20	2.1	1.5
2249	11-Jun-95	21	2.2	1.5
2250	11-Jun-95	22	2.2	1.5
2251	11-Jun-95	23	2.3	1.5
2252	11-Jun-95	24	2.4	1.5
2253	11-Jun-95	25	2.8	1.5
2254	11-Jun-95	26	2.4	1.5
2255	11-Jun-95	27	2.4	1.5
2256	11-Jun-95	28	2.6	1.5
2257	11-Jun-95	29	2.2	1.5
2258	11-Jun-95	30	2.3	1.5
2259	11-Jun-95	31	2.5	1.5
2260	11-Jun-95	32	2.1	1.5
2261	11-Jun-95	33	2.6	1.5
2262	11-Jun-95	34	2.6	1.5
2263	11-Jun-95	35	2.4	1.5
2264	11-Jun-95	36	2.4	1.5
2265	11-Jun-95	37	2.2	1.5
2266	11-Jun-95	38	2.1	1.5
2267	11-Jun-95	39	2.2	1.5
2268	11-Jun-95	40	2.2	1.5
2269	11-Jun-95	41	2.3	1.5
2270	11-Jun-95	42	2.1	1.5
2271	11-Jun-95	43	2.4	1.5
2272	11-Jun-95	45	2.3	1.5
2273	11-Jun-95	46	2.6	1.5
2274	11-Jun-95	47	2.3	1.5
2275	11-Jun-95	48	2.5	1.5
2276	11-Jun-95	49	2.6	1.5
2277	11-Jun-95	50	2.2	1.5
2278	11-Jun-95	51	2.1	1.5
2279	11-Jun-95	52	2.2	1.5
2280	11-Jun-95	53	2.5	1.5
2281	11-Jun-95	54	2.6	1.5
2282	11-Jun-95	55	2.3	1.5
2283	11-Jun-95	56	3.7	1
2284	11-Jun-95	57	4.2	1
2285	11-Jun-95	58	5.2	1
2286	11-Jun-95	59	5.1	1
2287	11-Jun-95	60	4.2	1
2288	11-Jun-95	61	6.6	1
2289	11-Jun-95	62	4.5	1
2290	11-Jun-95	63	5.2	1
2291	11-Jun-95	64	5	1
2292	11-Jun-95	65	4.8	1
2293	11-Jun-95	66	4.8	1
2294	11-Jun-95	67	4.5	1
2295	11-Jun-95	68	4.4	1
2296	11-Jun-95	69	5.1	1
2297	11-Jun-95	70	5	1
2298	11-Jun-95	71	5.4	1
2299	11-Jun-95	72	4.5	1
2300	11-Jun-95	73	4.5	1
2301	11-Jun-95	74	4.8	1
2302	11-Jun-95	75	5	1
2303	11-Jun-95	76	5	1
2304	11-Jun-95	77	4.5	1
2305	11-Jun-95	78	5	1
2306	11-Jun-95	79	5	1
2307	11-Jun-95	80	4.5	1
2308	11-Jun-95	81	4.5	1
2309	11-Jun-95	82	4.5	1
2310	11-Jun-95	83	4.5	1
2311	11-Jun-95	84	4.7	1
2312	11-Jun-95	85	4.3	1

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
2313	11-Jun-95	86	4.4	1
2314	11-Jun-95	87	4.2	1
2315	11-Jun-95	88	5	1
2316	11-Jun-95	89	5.1	1
2317	11-Jun-95	90	4.8	1
2318	11-Jun-95	91	4.5	1
2319	11-Jun-95	92	4.5	1
2320	11-Jun-95	93	4.2	1
2321	11-Jun-95	94	4.8	1
2322	11-Jun-95	95	4.5	1
2323	11-Jun-95	96	4.5	1
2324	11-Jun-95	97	4.2	1
2325	11-Jun-95	98	4.2	1
2326	11-Jun-95	99	4.3	1
2327	11-Jun-95	100	4.4	1
2328	11-Jun-95	101	4.1	1
2329	11-Jun-95	102	4	1
2330	11-Jun-95	103	4	1
2331	11-Jun-95	104	4.2	1
2332	11-Jun-95	105	5.1	1
2333	11-Jun-95	106	5	1
2334	12-Jun-95	1	4.5	1.5
2335	12-Jun-95	2	4.2	1.5
2336	12-Jun-95	3	3.9	1.5
2337	12-Jun-95	4	5.1	1.5
2338	12-Jun-95	5	5	1.5
2339	12-Jun-95	6	4.8	1.5
2340	12-Jun-95	7	7.2	0
2341	12-Jun-95	8	7.4	0
2342	12-Jun-95	9	7.4	0
2343	12-Jun-95	10	7.1	0
2344	12-Jun-95	11	7.1	0
2345	12-Jun-95	12	2.2	1.5
2346	12-Jun-95	13	2.4	1.5
2347	12-Jun-95	14	2.5	1.5
2348	12-Jun-95	15	2.2	1.5
2349	12-Jun-95	16	2.2	1.5
2350	12-Jun-95	17	2.1	1.5
2351	12-Jun-95	18	2.4	1.5
2352	12-Jun-95	19	2.2	1.5
2353	12-Jun-95	20	2.1	1.5
2354	12-Jun-95	21	2.2	1.5
2355	12-Jun-95	22	2.4	1.5
2356	12-Jun-95	23	7.4	0
2357	12-Jun-95	24	7.4	0
2358	12-Jun-95	25	7.2	0
2359	12-Jun-95	26	7.4	0
2360	12-Jun-95	27	7.1	0
2361	12-Jun-95	28	7.4	0
2362	12-Jun-95	29	7.2	0
2363	12-Jun-95	30	7.1	0
2364	12-Jun-95	31	7.2	0
2365	12-Jun-95	32	7.1	0
2366	12-Jun-95	33	7.3	0
2367	12-Jun-95	34	7	0
2368	12-Jun-95	35	7.1	0
2369	12-Jun-95	36	7.4	0
2370	12-Jun-95	37	7.1	0
2371	12-Jun-95	38	7	0
2372	12-Jun-95	39	7.2	0
2373	12-Jun-95	40	7	0
2374	12-Jun-95	41	7.5	0
2375	12-Jun-95	42	7.1	0
2376	12-Jun-95	43	7.2	0
2377	12-Jun-95	44	7	0
2378	12-Jun-95	45	2	1.5
2379	12-Jun-95	46	2.3	1.5
2380	12-Jun-95	47	2.6	1.5
2381	12-Jun-95	48	2.1	1.5
2382	12-Jun-95	49	2.2	1.5
2383	12-Jun-95	50	2.6	1.5
2384	12-Jun-95	51	2.2	1.5
2385	12-Jun-95	52	2.6	1.5
2386	12-Jun-95	53	2.1	1.5
2387	12-Jun-95	54	2.5	1.5
2388	12-Jun-95	55	2	1.5
2389	12-Jun-95	56	2.1	1.5
2390	12-Jun-95	57	2.5	1.5
2391	12-Jun-95	58	2.2	1.5
2392	12-Jun-95	59	2.2	1.5
2393	12-Jun-95	60	2.6	1.5
2394	12-Jun-95	61	2.7	1.5
2395	12-Jun-95	62	2.1	1.5
2396	12-Jun-95	63	2.6	1.5
2397	12-Jun-95	64	2	1.5
2398	12-Jun-95	65	2.3	1.5
2399	12-Jun-95	66	2.5	1.5
2400	12-Jun-95	67	2	1.5
2401	12-Jun-95	68	2.3	1.5
2402	12-Jun-95	69	2.6	1.5
2403	12-Jun-95	70	2	1.5
2404	12-Jun-95	71	2.6	1.5
2405	12-Jun-95	72	2.3	1.5
2406	12-Jun-95	73	2.1	1.5
2407	12-Jun-95	74	2.2	1.5
2408	12-Jun-95	75	2.7	1.5
2409	12-Jun-95	76	2.3	1.5
2410	12-Jun-95	77	2.4	1.5
2411	12-Jun-95	78	2.3	1.5
2412	12-Jun-95	79	2	1.5
2413	12-Jun-95	80	2.2	1.5
2414	12-Jun-95	81	2.4	1.5
2415	12-Jun-95	82	2.6	1.5
2416	12-Jun-95	83	2	1.5
2417	12-Jun-95	84	2.3	1.5
2418	12-Jun-95	85	2.4	1.5
2419	12-Jun-95	86	2	1.5
2420	12-Jun-95	87	2.2	1.5
2421	12-Jun-95	88	2.5	1.5
2422	12-Jun-95	89	2.3	1.5
2423	12-Jun-95	90	2.1	1.5
2424	12-Jun-95	91	2.4	1.5
2425	12-Jun-95	92	2	1.5
2426	12-Jun-95	93	2.5	1.5
2427	12-Jun-95	94	2.3	1.5
2428	12-Jun-95	95	2	1.5
2429	12-Jun-95	96	2.1	1.5
2430	12-Jun-95	97	2.6	1.5
2431	12-Jun-95	98	2.2	1.5
2432	12-Jun-95	99	2	1.5
2433	12-Jun-95	100	2.6	1.5
2434	12-Jun-95	101	2.5	1.5
2435	12-Jun-95	102	2.2	1.5
2436	12-Jun-95	103	2.6	1.5
2437	12-Jun-95	104	2.1	1.5
2438	12-Jun-95	105	2	1.5
2439	12-Jun-95	106	2	1.5
2440	13-Jun-95	1	2.2	1.5
2441	13-Jun-95	2	2.4	1.5
2442	13-Jun-95	3	2.2	1.5
2443	13-Jun-95	4	2.2	1.5
2444	13-Jun-95	5	2.2	1.5
2445	13-Jun-95	6	2.5	1.5
2446	13-Jun-95	7	2.1	1.5
2447	13-Jun-95	8	2.3	1.5
2448	13-Jun-95	9	2.2	1.5
2449	13-Jun-95	10	2.4	1.5
2450	13-Jun-95	11	2.6	1.5
2451	13-Jun-95	12	2	1.5
2452	13-Jun-95	13	2.3	1.5
2453	13-Jun-95	14	2.6	1.5
2454	13-Jun-95	15	2.3	1.5
2455	13-Jun-95	16	2.6	1.5
2456	13-Jun-95	17	2.3	1.5
2457	13-Jun-95	18	2	1.5
2458	13-Jun-95	19	2.6	1.5
2459	13-Jun-95	20	2.1	1.5
2460	13-Jun-95	21	6.1	1
2461	13-Jun-95	22	5.8	1
2462	13-Jun-95	23	5.8	1
2463	13-Jun-95	24	5.2	1
2464	13-Jun-95	25	5.4	1
2465	13-Jun-95	26	2.5	1.5
2466	13-Jun-95	27	2	1.5
2467	13-Jun-95	28	2.6	1.5
2468	13-Jun-95	29	2.3	1.5
2469	13-Jun-95	30	2.2	1.5
2470	13-Jun-95	31	2.6	1.5
2471	13-Jun-95	32	2	1.5
2472	13-Jun-95	33	2.3	1.5
2473	13-Jun-95	34	2.1	1.5
2474	13-Jun-95	35	2.2	1.5
2475	13-Jun-95	36	2.1	1.5
2476	13-Jun-95	37	2.6	1.5
2477	13-Jun-95	38	2.3	1.5
2478	13-Jun-95	39	2.2	1.5
2479	13-Jun-95	40	2	1.5
2480	13-Jun-95	41	2.4	1.5
2481	13-Jun-95	42	2.2	1.5
2482	13-Jun-95	43	2.2	1.5
2483	13-Jun-95	44	2.1	1.5
2484	13-Jun-95	45	2.6	1.5
2485	13-Jun-95	46	2.4	1.5
2486	13-Jun-95	47	2.4	1.5
2487	13-Jun-95	48	2.2	1.5
2488	13-Jun-95	49	2.1	1.5
2489	13-Jun-95	50	2.2	1.5
2490	13-Jun-95	51	2.6	1.5
2491	13-Jun-95	52	2	1.5
2492	13-Jun-95	53	2.5	1.5
2493	13-Jun-95	54	2.2	1.5
2494	13-Jun-95	55	2.3	1.5
2495	13-Jun-95	56	2.6	1.5
2496	13-Jun-95	57	2.4	1.5
2497	13-Jun-95	58	2.4	1.5
2498	13-Jun-95	59	2.4	1.5
2499	13-Jun-95	60	2.4	1.5
2500	13-Jun-95	61	2.6	1.5
2501	13-Jun-95	62	2.2	1.5
2502	13-Jun-95	63	2	1.5
2503	13-Jun-95	64	2.3	1.5
2504	13-Jun-95	65	2.4	1.5

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
2505	13-Jun-95	66	2	1.5
2506	13-Jun-95	67	2.6	1.5
2507	13-Jun-95	68	2.3	1.5
2508	13-Jun-95	69	2.4	1.5
2509	13-Jun-95	70	2.5	1.5
2510	13-Jun-95	71	2	1.5
2511	13-Jun-95	72	2.6	1.5
2512	13-Jun-95	73	2.1	1.5
2513	13-Jun-95	74	2.2	1.5
2514	13-Jun-95	75	2.2	1.5
2515	13-Jun-95	76	2.6	1.5
2516	13-Jun-95	77	2.1	1.5
2517	13-Jun-95	78	2	1.5
2518	13-Jun-95	79	2.2	1.5
2519	13-Jun-95	80	2.4	1.5
2520	13-Jun-95	81	2.5	1.5
2521	13-Jun-95	82	2.1	1.5
2522	13-Jun-95	83	2	1.5
2523	13-Jun-95	84	2.6	1.5
2524	13-Jun-95	85	2.3	1.5
2525	13-Jun-95	86	2.1	1.5
2526	13-Jun-95	87	2.6	1.5
2527	13-Jun-95	88	2.3	1.5
2528	13-Jun-95	89	2.4	1.5
2529	13-Jun-95	90	2.2	1.5
2530	13-Jun-95	91	2.2	1.5
2531	13-Jun-95	92	2.2	1.5
2532	13-Jun-95	93	2.4	1.5
2533	13-Jun-95	94	2.1	1.5
2534	13-Jun-95	95	2.2	1.5
2535	13-Jun-95	96	2.6	1.5
2536	13-Jun-95	97	2.1	1.5
2537	13-Jun-95	98	2.3	1.5
2538	13-Jun-95	99	2.4	1.5
2539	13-Jun-95	100	2.2	1.5
2540	14-Jun-95	1	2.2	1.5
2541	14-Jun-95	2	2.6	1.5
2542	14-Jun-95	3	2.3	1.5
2543	14-Jun-95	4	2	1.5
2544	14-Jun-95	5	2.4	1.5
2545	14-Jun-95	6	2.1	1.5
2546	14-Jun-95	7	2	1.5
2547	14-Jun-95	8	2.1	1.5
2548	14-Jun-95	9	2.2	1.5
2549	14-Jun-95	10	2.6	1.5
2550	14-Jun-95	11	4.1	1
2551	14-Jun-95	12	4.5	1
2552	14-Jun-95	13	4.8	1
2553	14-Jun-95	14	4.4	1
2554	14-Jun-95	15	4.2	1
2555	14-Jun-95	16	2.6	1.5
2556	14-Jun-95	17	2.3	1.5
2557	14-Jun-95	18	2.2	1.5
2558	14-Jun-95	19	2	1.5
2559	14-Jun-95	20	2.1	1.5
2560	14-Jun-95	21	2.1	1.5
2561	14-Jun-95	22	2.9	1.5
2562	14-Jun-95	23	2.6	1.5
2563	14-Jun-95	24	2.6	1.5
2564	14-Jun-95	25	2.4	1.5
2565	14-Jun-95	26	2.8	1.5
2566	14-Jun-95	27	2.6	1.5
2567	14-Jun-95	28	2.4	1.5
2568	14-Jun-95	29	2.6	1.5
2569	14-Jun-95	30	2.6	1.5
2570	14-Jun-95	31	6.2	1
2571	14-Jun-95	32	6.3	1
2572	14-Jun-95	33	6.3	1
2573	14-Jun-95	34	6.9	1
2574	14-Jun-95	35	6.5	1
2575	14-Jun-95	36	6.2	1
2576	14-Jun-95	37	6.3	1
2577	14-Jun-95	38	6.2	1
2578	14-Jun-95	39	6.6	1
2579	14-Jun-95	40	6.4	1
2580	14-Jun-95	41	6.6	1
2581	14-Jun-95	42	6.2	1
2582	14-Jun-95	43	6.4	1
2583	14-Jun-95	44	6.3	1
2584	14-Jun-95	45	6.1	1
2585	14-Jun-95	46	7.3	0
2586	14-Jun-95	47	7.3	0
2587	14-Jun-95	48	7.4	0
2588	14-Jun-95	49	7.1	0
2589	14-Jun-95	50	7.3	0
2590	14-Jun-95	51	7.2	0
2591	14-Jun-95	52	7.1	0
2592	14-Jun-95	53	7.1	0
2593	14-Jun-95	54	7	0
2594	14-Jun-95	55	7.1	0
2595	14-Jun-95	56	7.3	0
2596	14-Jun-95	57	7.1	0
2597	14-Jun-95	58	7	0
2598	14-Jun-95	59	7.1	0
2599	14-Jun-95	60	7.4	0
2600	14-Jun-95	61	7.1	0
2601	14-Jun-95	62	7	0
2602	14-Jun-95	63	7.3	0
2603	14-Jun-95	64	7.2	0
2604	14-Jun-95	65	6.3	1
2605	14-Jun-95	66	6	1
2606	14-Jun-95	67	4.1	1
2607	14-Jun-95	68	4.2	1
2608	14-Jun-95	69	4.6	1
2609	14-Jun-95	70	4.8	1
2610	14-Jun-95	71	5.2	1
2611	14-Jun-95	72	5.1	1
2612	14-Jun-95	73	4.4	1
2613	14-Jun-95	74	4.2	1
2614	14-Jun-95	75	7.2	0
2615	14-Jun-95	76	7.4	0
2616	14-Jun-95	77	7.2	0
2617	14-Jun-95	78	7.1	0
2618	14-Jun-95	79	7	0
2619	14-Jun-95	80	6.3	1
2620	14-Jun-95	81	4.8	1
2621	14-Jun-95	82	7.2	0
2622	14-Jun-95	83	7.1	0
2623	14-Jun-95	84	6.5	1
2624	14-Jun-95	85	5.8	1
2625	14-Jun-95	86	6.3	1
2626	14-Jun-95	87	6.1	1
2627	14-Jun-95	88	6	1
2628	14-Jun-95	89	6.2	1
2629	14-Jun-95	90	6	1
2630	14-Jun-95	91	6.4	1
2631	14-Jun-95	92	6.2	1
2632	14-Jun-95	93	5.4	1
2633	14-Jun-95	94	4.8	1
2634	14-Jun-95	95	5.2	1
2635	14-Jun-95	96	5.1	1
2636	15-Jun-95	1	4.2	1
2637	15-Jun-95	2	4.1	1
2638	15-Jun-95	3	4.2	1
2639	15-Jun-95	4	4	1
2640	15-Jun-95	5	4.4	1
2641	15-Jun-95	6	4	1
2642	15-Jun-95	7	4.1	1
2643	15-Jun-95	8	4.1	1
2644	15-Jun-95	9	4.4	1
2645	15-Jun-95	10	4.3	1
2646	15-Jun-95	11	4	1
2647	15-Jun-95	12	4.2	1
2648	15-Jun-95	13	4.1	1
2649	15-Jun-95	14	4	1
2650	15-Jun-95	15	4.5	1
2651	15-Jun-95	16	4	1
2652	15-Jun-95	17	4.8	1
2653	15-Jun-95	18	4.5	1
2654	15-Jun-95	19	4.7	1
2655	15-Jun-95	20	4.6	1
2656	15-Jun-95	21	4	1
2657	15-Jun-95	22	4.5	1
2658	15-Jun-95	23	4.2	1
2659	15-Jun-95	24	4	1
2660	15-Jun-95	25	4.3	1
2661	15-Jun-95	26	4.1	1
2662	15-Jun-95	27	4.3	1
2663	15-Jun-95	28	4.2	1
2664	15-Jun-95	29	4.2	1
2665	15-Jun-95	30	4.1	1
2666	15-Jun-95	31	5.4	1
2667	15-Jun-95	32	4.2	1
2668	15-Jun-95	33	4.3	1
2669	15-Jun-95	34	5.1	1
2670	15-Jun-95	35	6.3	1
2671	15-Jun-95	36	6.1	1
2672	15-Jun-95	37	5.8	1
2673	15-Jun-95	38	5.2	1
2674	15-Jun-95	39	6.8	1
2675	15-Jun-95	40	6.1	1
2676	15-Jun-95	41	6.3	1
2677	15-Jun-95	42	6.5	1
2678	15-Jun-95	43	6.8	1
2679	15-Jun-95	44	5.8	1
2680	15-Jun-95	45	6.2	1
2681	15-Jun-95	46	5.8	1
2682	15-Jun-95	47	5.9	1
2683	15-Jun-95	48	6.3	1
2684	15-Jun-95	49	6.4	1
2685	15-Jun-95	50	6	1
2686	15-Jun-95	51	6.6	1
2687	15-Jun-95	52	6.8	1
2688	15-Jun-95	53	6.1	1
2689	15-Jun-95	54	6.2	1
2690	15-Jun-95	55	6.5	1
2691	15-Jun-95	56	6.2	1
2692	15-Jun-95	57	5.8	1
2693	15-Jun-95	58	5.7	1
2694	15-Jun-95	59	5.9	1
2695	15-Jun-95	60	5.8	1
2696	15-Jun-95	61	6.5	1

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
2697	15-Jun-95	62	5.8	1
2698	15-Jun-95	63	6.9	1
2699	15-Jun-95	64	5.8	1
2700	15-Jun-95	65	6.2	1
2701	15-Jun-95	66	6.3	1
2702	15-Jun-95	67	6.5	1
2703	15-Jun-95	68	6	1
2704	15-Jun-95	69	6.5	1
2705	15-Jun-95	70	6.2	1
2706	15-Jun-95	71	6.3	1
2707	15-Jun-95	72	6.1	1
2708	15-Jun-95	73	6.3	1
2709	15-Jun-95	74	6.6	1
2710	15-Jun-95	75	6.1	1
2711	15-Jun-95	76	6.5	1
2712	15-Jun-95	77	6.2	1
2713	15-Jun-95	78	6.3	1
2714	15-Jun-95	79	6.6	1
2715	15-Jun-95	80	6.1	1
2716	15-Jun-95	81	6	1
2717	15-Jun-95	82	4.6	1
2718	15-Jun-95	83	4.8	1
2719	15-Jun-95	84	4.2	1
2720	15-Jun-95	85	4	1
2721	15-Jun-95	86	4.5	1
2722	15-Jun-95	87	4.6	1
2723	15-Jun-95	88	5.6	1
2724	15-Jun-95	89	4	1
2725	15-Jun-95	90	6.6	1
2726	15-Jun-95	91	6.2	1
2727	15-Jun-95	92	6.4	1
2728	15-Jun-95	93	5.8	1
2729	15-Jun-95	94	5.9	1
2730	16-Jun-95	1	6.3	1
2731	16-Jun-95	2	6	1
2732	16-Jun-95	3	5.9	1
2733	16-Jun-95	4	5.6	1
2734	16-Jun-95	5	6.3	1
2735	16-Jun-95	6	6.2	1
2736	16-Jun-95	7	5.9	1
2737	16-Jun-95	8	5.8	1
2738	16-Jun-95	9	6	1
2739	16-Jun-95	10	6.5	1
2740	16-Jun-95	11	6.2	1
2741	16-Jun-95	12	6	1
2742	16-Jun-95	13	6.2	1
2743	16-Jun-95	14	6.5	1
2744	16-Jun-95	15	6.6	1
2745	16-Jun-95	16	6.1	1
2746	16-Jun-95	17	5.9	1
2747	16-Jun-95	18	5.8	1
2748	16-Jun-95	19	6.2	1
2749	16-Jun-95	20	6.5	1
2750	16-Jun-95	21	6.2	1
2751	16-Jun-95	22	6	1
2752	16-Jun-95	23	6.5	1
2753	16-Jun-95	24	6.3	1
2754	16-Jun-95	25	6.6	1
2755	16-Jun-95	26	6	1
2756	16-Jun-95	27	6.6	1
2757	16-Jun-95	28	6.1	1
2758	16-Jun-95	29	6.7	1
2759	16-Jun-95	30	6	1
2760	16-Jun-95	31	6.2	1
2761	16-Jun-95	32	5.9	1
2762	16-Jun-95	33	6.3	1
2763	16-Jun-95	34	5.8	1
2764	16-Jun-95	35	6.2	1
2765	16-Jun-95	36	6	1
2766	16-Jun-95	37	5.9	1
2767	16-Jun-95	38	6.1	1
2768	16-Jun-95	39	6.4	1
2769	16-Jun-95	40	6.5	1
2770	16-Jun-95	41	6.9	1
2771	16-Jun-95	42	5.8	1
2772	16-Jun-95	43	6.2	1
2773	16-Jun-95	44	6.3	1
2774	16-Jun-95	45	6.2	1
2775	16-Jun-95	46	6	1
2776	16-Jun-95	47	6.8	1
2777	16-Jun-95	48	6.6	1
2778	16-Jun-95	49	5.9	1
2779	16-Jun-95	50	6	1
2780	16-Jun-95	51	6.2	1
2781	16-Jun-95	52	5.9	1
2782	16-Jun-95	53	6.4	1
2783	16-Jun-95	54	6.6	1
2784	16-Jun-95	55	6.2	1
2785	16-Jun-95	56	5.9	1
2786	16-Jun-95	57	6.6	1
2787	16-Jun-95	58	6	1
2788	16-Jun-95	59	5.8	1
2789	16-Jun-95	60	6.3	1
2790	16-Jun-95	61	6.2	1
2791	16-Jun-95	62	6	1
2792	16-Jun-95	63	5.9	1
2793	16-Jun-95	64	6.6	1
2794	16-Jun-95	65	5.9	1
2795	16-Jun-95	66	6.3	1
2796	16-Jun-95	67	6.5	1
2797	16-Jun-95	68	5.8	1
2798	16-Jun-95	69	6.6	1
2799	16-Jun-95	70	6.5	1
2800	16-Jun-95	71	6.6	1
2801	16-Jun-95	72	6.1	1
2802	16-Jun-95	73	5.9	1
2803	16-Jun-95	74	6.2	1
2804	16-Jun-95	75	6.4	1
2805	16-Jun-95	76	6.7	1
2806	16-Jun-95	77	6.1	1
2807	16-Jun-95	78	6.3	1
2808	16-Jun-95	79	5.8	1
2809	16-Jun-95	80	5.7	1
2810	16-Jun-95	81	6.2	1
2811	16-Jun-95	82	6.6	1
2812	16-Jun-95	83	6.1	1
2813	16-Jun-95	84	6	1
2814	16-Jun-95	85	6.4	1
2815	16-Jun-95	86	6.1	1
2816	16-Jun-95	87	6.5	1
2817	16-Jun-95	88	5.9	1
2818	16-Jun-95	89	6	1
2819	16-Jun-95	90	6.5	1
2820	16-Jun-95	91	6.4	1
2821	16-Jun-95	92	6.6	1
2822	17-Jun-95	1	6.9	1
2823	17-Jun-95	2	6.2	1
2824	17-Jun-95	3	6	1
2825	17-Jun-95	4	5.9	1
2826	17-Jun-95	5	6.2	1
2827	17-Jun-95	6	6.5	1
2828	17-Jun-95	7	6	1
2829	17-Jun-95	8	6.4	1
2830	17-Jun-95	9	5.9	1
2831	17-Jun-95	10	7.7	0
2832	17-Jun-95	11	7	0
2833	17-Jun-95	12	7.2	0
2834	17-Jun-95	13	7.5	0
2835	17-Jun-95	14	7.7	0
2836	17-Jun-95	15	7.1	0
2837	17-Jun-95	16	7.4	0
2838	17-Jun-95	17	7.5	0
2839	17-Jun-95	18	7.5	0
2840	17-Jun-95	19	7.2	0
2841	17-Jun-95	20	7.6	0
2842	17-Jun-95	21	7.7	0
2843	17-Jun-95	22	7.5	0
2844	17-Jun-95	23	7	0
2845	17-Jun-95	24	7.5	0
2846	17-Jun-95	25	7.7	0
2847	17-Jun-95	26	7.3	0
2848	17-Jun-95	27	7.6	0
2849	17-Jun-95	28	7.2	0
2850	17-Jun-95	29	7.7	0
2851	17-Jun-95	30	7.1	0
2852	17-Jun-95	31	7.7	0
2853	17-Jun-95	32	7	0
2854	17-Jun-95	33	7.3	0
2855	17-Jun-95	34	7.1	0
2856	17-Jun-95	35	7.5	0
2857	17-Jun-95	36	7.7	0
2858	17-Jun-95	37	7.3	0
2859	17-Jun-95	38	7.2	0
2860	17-Jun-95	39	7.5	0
2861	17-Jun-95	40	7.7	0
2862	17-Jun-95	41	7.1	0
2863	17-Jun-95	42	7.5	0
2864	17-Jun-95	43	7.3	0
2865	17-Jun-95	44	7	0
2866	17-Jun-95	45	7.3	0
2867	17-Jun-95	46	7	0
2868	17-Jun-95	47	7.5	0
2869	17-Jun-95	48	7.1	0
2870	17-Jun-95	49	7.3	0
2871	17-Jun-95	50	7	0
2872	17-Jun-95	51	7.3	0
2873	17-Jun-95	52	7.5	0
2874	17-Jun-95	53	7.7	0
2875	17-Jun-95	54	7.1	0
2876	17-Jun-95	55	7.2	0
2877	17-Jun-95	56	7.5	0
2878	17-Jun-95	57	7.3	0
2879	17-Jun-95	58	7	0
2880	17-Jun-95	59	7.1	0
2881	17-Jun-95	60	7.3	0
2882	17-Jun-95	61	7.5	0
2883	17-Jun-95	62	7.7	0
2884	17-Jun-95	63	7.5	0
2885	17-Jun-95	64	7.1	0
2886	17-Jun-95	65	7	0
2887	17-Jun-95	66	7.4	0
2888	17-Jun-95	67	7.1	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
2889	17-Jun-95	68	7.5	0
2890	17-Jun-95	69	7.3	0
2891	17-Jun-95	70	7.7	0
2892	17-Jun-95	71	7.2	0
2893	17-Jun-95	72	7.3	0
2894	17-Jun-95	73	7.6	0
2895	17-Jun-95	74	7.1	0
2896	17-Jun-95	75	7.4	0
2897	17-Jun-95	76	7.1	0
2898	17-Jun-95	77	7.6	0
2899	17-Jun-95	78	7.5	0
2900	17-Jun-95	79	7.6	0
2901	17-Jun-95	80	7.4	0
2902	17-Jun-95	81	7.2	0
2903	17-Jun-95	82	7.6	0
2904	17-Jun-95	83	7.4	0
2905	17-Jun-95	84	7.5	0
2906	17-Jun-95	85	7.6	0
2907	17-Jun-95	86	7.3	0
2908	17-Jun-95	87	7.4	0
2909	17-Jun-95	88	7.1	0
2910	17-Jun-95	89	7.7	0
2911	18-Jun-95	1	7.3	0
2912	18-Jun-95	2	7.6	0
2913	18-Jun-95	3	7.7	0
2914	18-Jun-95	4	7.3	0
2915	18-Jun-95	5	7.2	0
2916	18-Jun-95	6	7.5	0
2917	18-Jun-95	7	7.4	0
2918	18-Jun-95	8	7.6	0
2919	18-Jun-95	9	7.7	0
2920	18-Jun-95	10	7.4	0
2921	18-Jun-95	11	7.5	0
2922	18-Jun-95	12	7.3	0
2923	18-Jun-95	13	7.7	0
2924	18-Jun-95	14	7.5	0
2925	18-Jun-95	15	7.3	0
2926	18-Jun-95	16	7.7	0
2927	18-Jun-95	17	7.4	0
2928	18-Jun-95	18	7.6	0
2929	18-Jun-95	19	7.4	0
2930	18-Jun-95	20	7.7	0
2931	18-Jun-95	21	7.7	0
2932	18-Jun-95	22	7.5	0
2933	18-Jun-95	23	7.3	0
2934	18-Jun-95	24	7.3	0
2935	18-Jun-95	25	7.6	0
2936	18-Jun-95	26	7.2	0
2937	18-Jun-95	27	7.4	0
2938	18-Jun-95	28	7.3	0
2939	18-Jun-95	29	7.4	0
2940	18-Jun-95	30	7.5	0
2941	18-Jun-95	31	7.6	0
2942	18-Jun-95	32	7.5	0
2943	18-Jun-95	33	7.7	0
2944	18-Jun-95	34	7.3	0
2945	18-Jun-95	35	7.4	0
2946	18-Jun-95	36	7.2	0
2947	18-Jun-95	37	7.4	0
2948	18-Jun-95	38	7.5	0
2949	18-Jun-95	39	7.3	0
2950	18-Jun-95	40	7.7	0
2951	18-Jun-95	41	7.4	0
2952	18-Jun-95	42	7.2	0
2953	18-Jun-95	43	7.6	0
2954	18-Jun-95	44	7.3	0
2955	18-Jun-95	45	7.2	0
2956	18-Jun-95	46	7.5	0
2957	18-Jun-95	47	7.7	0
2958	18-Jun-95	48	7.6	0
2959	18-Jun-95	49	7.4	0
2960	18-Jun-95	50	7.2	0
2961	18-Jun-95	51	7.5	0
2962	18-Jun-95	52	7.6	0
2963	18-Jun-95	53	7.4	0
2964	18-Jun-95	54	7.5	0
2965	18-Jun-95	55	7.6	0
2966	18-Jun-95	56	7.4	0
2967	18-Jun-95	57	7.3	0
2968	18-Jun-95	58	7.6	0
2969	18-Jun-95	59	7.7	0
2970	18-Jun-95	60	7.4	0
2971	18-Jun-95	61	7.5	0
2972	18-Jun-95	62	7.4	0
2973	18-Jun-95	63	7.7	0
2974	18-Jun-95	64	7.3	0
2975	18-Jun-95	65	7.6	0
2976	18-Jun-95	66	7.3	0
2977	18-Jun-95	67	7.6	0
2978	18-Jun-95	68	7.7	0
2979	18-Jun-95	69	7.3	0
2980	18-Jun-95	70	7.4	0
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2982	18-Jun-95	72	7.3	0
2983	18-Jun-95	73	7.6	0
2984	18-Jun-95	74	7.5	0
2985	18-Jun-95	75	7.2	0
2986	18-Jun-95	76	7.7	0
2987	18-Jun-95	77	7.3	0
2988	18-Jun-95	78	7.6	0
2989	18-Jun-95	79	7.5	0
2990	18-Jun-95	80	7.7	0
2991	18-Jun-95	81	7.5	0
2992	18-Jun-95	82	7.4	0
2993	18-Jun-95	83	7.2	0
2994	18-Jun-95	84	7.3	0
2995	18-Jun-95	85	7.7	0
2996	18-Jun-95	86	7.6	0
2997	18-Jun-95	87	7.3	0
2998	18-Jun-95	88	7.2	0
2999	18-Jun-95	89	7.4	0
3000	18-Jun-95	90	7.5	0
3001	18-Jun-95	91	7.5	0
3002	18-Jun-95	92	7.2	0
3003	18-Jun-95	93	7.3	0
3004	18-Jun-95	94	7.3	0
3005	18-Jun-95	95	7.6	0
3006	18-Jun-95	96	7.2	0
3007	18-Jun-95	97	7.3	0
3008	18-Jun-95	98	7.6	0
3009	18-Jun-95	99	7.7	0
3010	18-Jun-95	100	7.5	0
3011	19-Jun-95	1	7.7	0
3012	19-Jun-95	2	7.3	0
3013	19-Jun-95	3	7.6	0
3014	19-Jun-95	4	7.4	0
3015	19-Jun-95	5	7.4	0
3016	19-Jun-95	6	7.3	0
3017	19-Jun-95	7	7.6	0
3018	19-Jun-95	8	7.5	0
3019	19-Jun-95	9	7.2	0
3020	19-Jun-95	10	7.4	0
3021	19-Jun-95	11	7.3	0
3022	19-Jun-95	12	7.7	0
3023	19-Jun-95	13	7.5	0
3024	19-Jun-95	14	7.7	0
3025	19-Jun-95	15	7.6	0
3026	19-Jun-95	16	7.2	0
3027	19-Jun-95	17	7.7	0
3028	19-Jun-95	18	7.3	0
3029	19-Jun-95	19	7.2	0
3030	19-Jun-95	20	7.7	0
3031	19-Jun-95	21	7.6	0
3032	19-Jun-95	22	7.7	0
3033	19-Jun-95	23	7.3	0
3034	19-Jun-95	24	7.4	0
3035	19-Jun-95	25	7.5	0
3036	19-Jun-95	26	7.3	0
3037	19-Jun-95	27	7.6	0
3038	19-Jun-95	28	7.5	0
3039	19-Jun-95	29	7.2	0
3040	19-Jun-95	30	7.7	0
3041	19-Jun-95	31	7.4	0
3042	19-Jun-95	32	7.5	0
3043	19-Jun-95	33	7.5	0
3044	19-Jun-95	34	7.7	0
3045	19-Jun-95	35	7.6	0
3046	19-Jun-95	36	7.2	0
3047	19-Jun-95	37	7.6	0
3048	19-Jun-95	38	7.5	0
3049	19-Jun-95	39	7.2	0
3050	19-Jun-95	40	7.1	0
3051	19-Jun-95	41	5.2	1
3052	19-Jun-95	42	4.8	1
3053	19-Jun-95	43	5.5	1
3054	19-Jun-95	44	5.6	1
3055	19-Jun-95	45	4.3	1
3056	19-Jun-95	46	4.2	1
3057	19-Jun-95	47	4.5	1
3058	19-Jun-95	48	5	1
3059	19-Jun-95	49	5.3	1
3060	19-Jun-95	50	4.9	1
3061	19-Jun-95	51	4.8	1
3062	19-Jun-95	52	5.8	1
3063	19-Jun-95	53	6.6	1
3064	19-Jun-95	54	4.5	1
3065	19-Jun-95	55	5.7	1
3066	19-Jun-95	56	5.9	1
3067	19-Jun-95	57	4.9	1
3068	19-Jun-95	58	5.3	1
3069	19-Jun-95	59	4.3	1
3070	19-Jun-95	60	5.8	1
3071	19-Jun-95	61	6.7	1
3072	19-Jun-95	62	5.8	1
3073	19-Jun-95	63	6.9	1
3074	19-Jun-95	64	4.8	1
3075	19-Jun-95	65	6.2	1
3076	19-Jun-95	66	4.8	1
3077	19-Jun-95	67	5.7	1
3078	19-Jun-95	68	6.3	1
3079	19-Jun-95	69	6.8	1
3080	19-Jun-95	70	5.6	1

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
3081	19-Jun-95	71	5.7	1
3082	19-Jun-95	72	4	1
3083	19-Jun-95	73	5	1
3084	19-Jun-95	74	6	1
3085	19-Jun-95	75	6.5	1
3086	19-Jun-95	76	6.3	1
3087	19-Jun-95	77	5	1
3088	19-Jun-95	78	6.2	1
3089	19-Jun-95	79	4.8	1
3090	19-Jun-95	80	5.7	1
3091	19-Jun-95	81	5.9	1
3092	19-Jun-95	82	6.2	1
3093	19-Jun-95	83	6.8	1
3094	19-Jun-95	84	6.3	1
3095	19-Jun-95	85	5.8	1
3096	19-Jun-95	86	7.3	0
3097	19-Jun-95	87	7.6	0
3098	19-Jun-95	88	7.5	0
3099	19-Jun-95	89	7.4	0
3100	19-Jun-95	90	7.3	0
3101	19-Jun-95	91	6.4	1
3102	19-Jun-95	92	6.2	1
3103	19-Jun-95	93	6.6	1
3104	19-Jun-95	94	6.1	1
3105	19-Jun-95	95	5.9	1
3106	19-Jun-95	96	7.2	0
3107	19-Jun-95	97	7.3	0
3108	19-Jun-95	98	7.6	0
3109	19-Jun-95	99	7.2	0
3110	19-Jun-95	100	7.1	0
3111	20-Jun-95	1	6.3	1
3112	20-Jun-95	2	5.9	1
3113	20-Jun-95	3	6.2	1
3114	20-Jun-95	4	6	1
3115	20-Jun-95	5	5.8	1
3116	20-Jun-95	6	6	1
3117	20-Jun-95	7	6.5	1
3118	20-Jun-95	8	6.1	1
3119	20-Jun-95	9	5.8	1
3120	20-Jun-95	10	6.8	1
3121	20-Jun-95	11	6.2	1
3122	20-Jun-95	12	5.8	1
3123	20-Jun-95	13	6.3	1
3124	20-Jun-95	14	6.6	1
3125	20-Jun-95	15	6.8	1
3126	20-Jun-95	16	6.2	1
3127	20-Jun-95	17	6.7	1
3128	20-Jun-95	18	6.5	1
3129	20-Jun-95	19	6	1
3130	20-Jun-95	20	5.8	1
3131	20-Jun-95	21	6.4	1
3132	20-Jun-95	22	6.3	1
3133	20-Jun-95	23	6.7	1
3134	20-Jun-95	24	6.9	1
3135	20-Jun-95	25	6.5	1
3136	20-Jun-95	26	6.3	1
3137	20-Jun-95	27	6.6	1
3138	20-Jun-95	28	6.3	1
3139	20-Jun-95	29	6	1
3140	20-Jun-95	30	5.9	1
3141	20-Jun-95	31	6.8	1
3142	20-Jun-95	32	6.6	1
3143	20-Jun-95	33	6.1	1
3144	20-Jun-95	34	6.5	1
3145	20-Jun-95	35	6.3	1
3146	20-Jun-95	36	6.8	1
3147	20-Jun-95	37	6.8	1
3148	20-Jun-95	38	6.6	1
3149	20-Jun-95	39	5.9	1
3150	20-Jun-95	40	6	1
3151	20-Jun-95	41	7.3	0
3152	20-Jun-95	42	7.4	0
3153	20-Jun-95	43	6.6	1
3154	20-Jun-95	44	6.2	1
3155	20-Jun-95	45	6.4	1
3156	20-Jun-95	46	7.2	0
3157	20-Jun-95	47	7.4	0
3158	20-Jun-95	48	7.6	0
3159	20-Jun-95	49	7.5	0
3160	20-Jun-95	50	7.3	0
3161	20-Jun-95	51	7.5	0
3162	20-Jun-95	52	7.5	0
3163	20-Jun-95	53	7.2	0
3164	20-Jun-95	54	7.3	0
3165	20-Jun-95	55	7.3	0
3166	20-Jun-95	56	7.5	0
3167	20-Jun-95	57	7.6	0
3168	20-Jun-95	58	7.4	0
3169	20-Jun-95	59	7.3	0
3170	20-Jun-95	60	7.7	0
3171	20-Jun-95	61	7.4	0
3172	20-Jun-95	62	7.6	0
3173	20-Jun-95	63	7.3	0
3174	20-Jun-95	64	7.4	0
3175	20-Jun-95	65	7.7	0
3176	20-Jun-95	66	7.2	0
3177	20-Jun-95	67	7.3	0
3178	20-Jun-95	68	7.5	0
3179	20-Jun-95	69	7.2	0
3180	20-Jun-95	70	7	0
3181	20-Jun-95	71	7.1	0
3182	20-Jun-95	72	7.7	0
3183	20-Jun-95	73	7.3	0
3184	20-Jun-95	74	7.6	0
3185	20-Jun-95	75	7.3	0
3186	20-Jun-95	76	7.2	0
3187	20-Jun-95	77	7.6	0
3188	20-Jun-95	78	7.3	0
3189	20-Jun-95	79	7.3	0
3190	20-Jun-95	80	7.5	0
3191	20-Jun-95	81	7.4	0
3192	20-Jun-95	82	7.4	0
3193	20-Jun-95	83	7.2	0
3194	20-Jun-95	84	7.5	0
3195	20-Jun-95	85	7.3	0
3196	20-Jun-95	86	7.2	0
3197	20-Jun-95	87	7.5	0
3198	20-Jun-95	88	7.3	0
3199	20-Jun-95	89	7.3	0
3200	20-Jun-95	90	7.5	0
3201	21-Jun-95	1	7.2	0
3202	21-Jun-95	2	7.4	0
3203	21-Jun-95	3	7.3	0
3204	21-Jun-95	4	7.3	0
3205	21-Jun-95	5	7.4	0
3206	21-Jun-95	6	7.2	0
3207	21-Jun-95	7	7.4	0
3208	21-Jun-95	8	7.3	0
3209	21-Jun-95	9	7.2	0
3210	21-Jun-95	10	7.4	0
3211	21-Jun-95	11	7.5	0
3212	21-Jun-95	12	7.5	0
3213	21-Jun-95	13	7.6	0
3214	21-Jun-95	14	7.3	0
3215	21-Jun-95	15	7.2	0
3216	21-Jun-95	16	7.6	0
3217	21-Jun-95	17	7.5	0
3218	21-Jun-95	18	7.3	0
3219	21-Jun-95	19	7.2	0
3220	21-Jun-95	20	7.4	0
3221	21-Jun-95	21	7.3	0
3222	21-Jun-95	22	7.3	0
3223	21-Jun-95	23	7.7	0
3224	21-Jun-95	24	7.5	0
3225	21-Jun-95	25	7.3	0
3226	21-Jun-95	26	7.4	0
3227	21-Jun-95	27	7.2	0
3228	21-Jun-95	28	7.5	0
3229	21-Jun-95	29	7.7	0
3230	21-Jun-95	30	7.3	0
3231	21-Jun-95	31	7.5	0
3232	21-Jun-95	32	7.2	0
3233	21-Jun-95	33	7.6	0
3234	21-Jun-95	34	7.1	0
3235	21-Jun-95	35	7.2	0
3236	21-Jun-95	36	7.6	0
3237	21-Jun-95	37	7.3	0
3238	21-Jun-95	38	7.3	0
3239	21-Jun-95	39	7.2	0
3240	21-Jun-95	40	7.2	0
3241	21-Jun-95	41	7.3	0
3242	21-Jun-95	42	7.6	0
3243	21-Jun-95	43	7.5	0
3244	21-Jun-95	44	7.2	0
3245	21-Jun-95	45	7.3	0
3246	21-Jun-95	46	7.6	0
3247	21-Jun-95	47	7.3	0
3248	21-Jun-95	48	7.2	0
3249	21-Jun-95	49	7	0
3250	21-Jun-95	50	7.2	0
3251	21-Jun-95	51	7.4	0
3252	21-Jun-95	52	7.3	0
3253	21-Jun-95	53	7.7	0
3254	21-Jun-95	54	7.1	0
3255	21-Jun-95	55	7.3	0
3256	21-Jun-95	56	7.2	0
3257	21-Jun-95	57	7.4	0
3258	21-Jun-95	58	7.2	0
3259	21-Jun-95	59	7.1	0
3260	21-Jun-95	60	7.3	0
3261	21-Jun-95	61	7.2	0
3262	21-Jun-95	62	7.6	0
3263	21-Jun-95	63	7.5	0
3264	21-Jun-95	64	7.3	0
3265	21-Jun-95	65	7.4	0
3266	21-Jun-95	66	7.3	0
3267	21-Jun-95	67	7.5	0
3268	21-Jun-95	68	7.1	0
3269	21-Jun-95	69	7.3	0
3270	21-Jun-95	70	7.5	0
3271	21-Jun-95	71	6.1	1
3272	21-Jun-95	72	7.3	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
3273	21-Jun-95	73	7.1	0
3274	21-Jun-95	74	7.4	0
3275	21-Jun-95	75	7.3	0
3276	21-Jun-95	76	7.2	0
3277	21-Jun-95	77	7	0
3278	21-Jun-95	78	7.5	0
3279	21-Jun-95	79	7.7	0
3280	21-Jun-95	80	7.3	0
3281	21-Jun-95	81	7.2	0
3282	21-Jun-95	82	7.4	0
3283	21-Jun-95	83	7.1	0
3284	21-Jun-95	84	7.6	0
3285	21-Jun-95	85	7.3	0
3286	21-Jun-95	86	7	0
3287	21-Jun-95	87	7.2	0
3288	21-Jun-95	88	7.1	0
3289	21-Jun-95	89	7.6	0
3290	21-Jun-95	90	7.2	0
3291	21-Jun-95	91	7.3	0
3292	21-Jun-95	92	7.5	0
3293	21-Jun-95	93	7.2	0
3294	21-Jun-95	94	7.1	0
3295	22-Jun-95	1	7.2	0
3296	22-Jun-95	2	7.3	0
3297	22-Jun-95	3	7.6	0
3298	22-Jun-95	4	7.5	0
3299	22-Jun-95	5	7.3	0
3300	22-Jun-95	6	7.2	0
3301	22-Jun-95	7	7.7	0
3302	22-Jun-95	8	7.5	0
3303	22-Jun-95	9	7.3	0
3304	22-Jun-95	10	7.5	0
3305	22-Jun-95	11	7.2	0
3306	22-Jun-95	12	7.5	0
3307	22-Jun-95	13	7.5	0
3308	22-Jun-95	14	7.7	0
3309	22-Jun-95	15	7.3	0
3310	22-Jun-95	16	7.3	0
3311	22-Jun-95	17	7.5	0
3312	22-Jun-95	18	7.7	0
3313	22-Jun-95	19	7.2	0
3314	22-Jun-95	20	7.5	0
3315	22-Jun-95	21	7.7	0
3316	22-Jun-95	22	7.2	0
3317	22-Jun-95	23	7.4	0
3318	22-Jun-95	24	7.5	0
3319	22-Jun-95	25	7.6	0
3320	22-Jun-95	26	7.5	0
3321	22-Jun-95	27	7.7	0
3322	22-Jun-95	28	7.3	0
3323	22-Jun-95	29	7.4	0
3324	22-Jun-95	30	7.3	0
3325	23-Jun-95	1	7.2	0
3326	23-Jun-95	2	7.2	0
3327	23-Jun-95	3	7.2	0
3328	23-Jun-95	4	7.2	0
3329	23-Jun-95	5	7.2	0
3330	23-Jun-95	6	7.2	0
3331	23-Jun-95	7	7.2	0
3332	23-Jun-95	8	7.2	0
3333	23-Jun-95	9	7.6	0
3334	23-Jun-95	10	7.6	0
3335	23-Jun-95	11	7.6	0
3336	23-Jun-95	12	7.6	0
3337	23-Jun-95	13	7.6	0
3338	23-Jun-95	14	7.6	0
3339	23-Jun-95	15	7.6	0
3340	23-Jun-95	16	7.6	0
3341	23-Jun-95	17	7.6	0
3342	23-Jun-95	18	7.6	0
3343	23-Jun-95	19	7.6	0
3344	23-Jun-95	20	7.6	0
3345	23-Jun-95	21	7.5	0
3346	23-Jun-95	22	7.5	0
3347	23-Jun-95	23	7.5	0
3348	23-Jun-95	24	7.5	0
3349	23-Jun-95	25	7.5	0
3350	23-Jun-95	26	7.5	0
3351	23-Jun-95	27	7.5	0
3352	23-Jun-95	28	7.5	0
3353	23-Jun-95	29	7.5	0
3354	23-Jun-95	30	7.5	0
3355	23-Jun-95	31	7.4	0
3356	23-Jun-95	32	7.4	0
3357	23-Jun-95	33	7.4	0
3358	23-Jun-95	34	7.4	0
3359	23-Jun-95	35	7.4	0
3360	23-Jun-95	36	7.6	0
3361	23-Jun-95	37	7.6	0
3362	23-Jun-95	38	7.6	0
3363	23-Jun-95	39	7.6	0
3364	23-Jun-95	40	7.6	0
3365	23-Jun-95	41	7.6	0
3366	23-Jun-95	42	7.6	0
3367	23-Jun-95	43	7.6	0
3368	23-Jun-95	44	7.6	0
3369	23-Jun-95	45	7.6	0
3370	23-Jun-95	46	7.2	0
3371	23-Jun-95	47	7.2	0
3372	23-Jun-95	48	7.2	0
3373	23-Jun-95	49	7.2	0
3374	23-Jun-95	50	7.2	0
3375	23-Jun-95	51	7.4	0
3376	23-Jun-95	52	7.4	0
3377	23-Jun-95	53	7.4	0
3378	23-Jun-95	54	7.4	0
3379	23-Jun-95	55	7.4	0
3380	23-Jun-95	56	7.7	0
3381	23-Jun-95	57	7.7	0
3382	23-Jun-95	58	7.7	0
3383	23-Jun-95	59	7.7	0
3384	23-Jun-95	60	7.7	0
3385	23-Jun-95	61	7.1	0
3386	23-Jun-95	62	7.1	0
3387	23-Jun-95	63	7.1	0
3388	23-Jun-95	64	7.1	0
3389	23-Jun-95	65	7.1	0
3390	23-Jun-95	66	7.1	0
3391	23-Jun-95	67	7.1	0
3392	23-Jun-95	68	7.1	0
3393	23-Jun-95	69	7.1	0
3394	23-Jun-95	70	7.1	0
3395	23-Jun-95	71	7.6	0
3396	23-Jun-95	72	7.6	0
3397	23-Jun-95	73	7.6	0
3398	23-Jun-95	74	7.6	0
3399	23-Jun-95	75	7.5	0
3400	23-Jun-95	76	7.5	0
3401	23-Jun-95	77	7.5	0
3402	23-Jun-95	78	7.5	0
3403	23-Jun-95	79	7.5	0
3404	23-Jun-95	80	7.2	0
3405	23-Jun-95	81	7.2	0
3406	23-Jun-95	82	7.2	0
3407	23-Jun-95	83	7.2	0
3408	23-Jun-95	84	7.7	0
3409	23-Jun-95	85	7.7	0
3410	23-Jun-95	86	7.7	0
3411	23-Jun-95	87	7.7	0
3412	23-Jun-95	88	7.7	0
3413	23-Jun-95	89	7.7	0
3414	23-Jun-95	90	7.7	0
3415	23-Jun-95	91	7.7	0
3416	23-Jun-95	92	7.7	0
3417	23-Jun-95	93	7.7	0
3418	23-Jun-95	94	7.7	0
3419	23-Jun-95	95	7.7	0
3420	23-Jun-95	96	7.6	0
3421	23-Jun-95	97	7.6	0
3422	23-Jun-95	98	7.6	0
3423	24-Jun-95	1	5.5	0.75
3424	24-Jun-95	2	5.5	0.75
3425	24-Jun-95	3	5.5	0.75
3426	24-Jun-95	4	5.5	0.75
3427	24-Jun-95	5	5.5	0.75
3428	24-Jun-95	6	5.5	0.75
3429	24-Jun-95	7	5.5	0.75
3430	24-Jun-95	8	5.5	0.75
3431	24-Jun-95	9	5.5	0.75
3432	24-Jun-95	10	6.5	0.75
3433	24-Jun-95	11	6.5	0.75
3434	24-Jun-95	12	6.5	0.75
3435	24-Jun-95	13	6.5	0.75
3436	24-Jun-95	14	6.5	0.75
3437	24-Jun-95	15	6.5	0.75
3438	24-Jun-95	16	6.5	0.75
3439	24-Jun-95	17	6.5	0.75
3440	24-Jun-95	18	6.5	0.75
3441	24-Jun-95	19	6.5	0.75
3442	24-Jun-95	20	6.5	0.75
3443	24-Jun-95	21	6.5	0.75
3444	24-Jun-95	22	6	0.75
3445	24-Jun-95	23	6	0.75
3446	24-Jun-95	24	6	0.75
3447	24-Jun-95	25	6	0.75
3448	24-Jun-95	26	7.2	0
3449	24-Jun-95	27	7.2	0
3450	24-Jun-95	28	7.2	0
3451	24-Jun-95	29	7.2	0
3452	24-Jun-95	30	7.2	0
3453	24-Jun-95	31	7.2	0
3454	24-Jun-95	32	7.2	0
3455	24-Jun-95	33	7.2	0
3456	24-Jun-95	34	7.2	0
3457	24-Jun-95	35	7.2	0
3458	24-Jun-95	36	5.5	0.75
3459	24-Jun-95	37	5.5	0.75
3460	24-Jun-95	38	5.5	0.75
3461	24-Jun-95	39	5.5	0.75
3462	24-Jun-95	40	5.5	0.75
3463	24-Jun-95	41	5.5	0.75
3464	24-Jun-95	42	5.5	0.75

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
3465	24-Jun-95	43	5.5	0.75
3466	24-Jun-95	44	5.5	0.75
3467	24-Jun-95	45	5.5	0.75
3468	24-Jun-95	46	5.5	0.75
3469	24-Jun-95	47	5.5	0.75
3470	24-Jun-95	48	5.5	0.75
3471	24-Jun-95	49	5.5	0.75
3472	24-Jun-95	50	5.5	0.75
3473	24-Jun-95	51	7.8	0
3474	24-Jun-95	52	7.8	0
3475	24-Jun-95	53	7.8	0
3476	24-Jun-95	54	7.8	0
3477	24-Jun-95	55	7.8	0
3478	24-Jun-95	56	7.8	0
3479	24-Jun-95	57	7.8	0
3480	24-Jun-95	58	7.8	0
3481	24-Jun-95	59	7.8	0
3482	24-Jun-95	60	7.8	0
3483	24-Jun-95	61	7.7	0
3484	24-Jun-95	62	7.7	0
3485	24-Jun-95	63	7.7	0
3486	24-Jun-95	64	7.7	0
3487	24-Jun-95	65	7.7	0
3488	24-Jun-95	66	7.7	0
3489	24-Jun-95	67	7.7	0
3490	24-Jun-95	68	7.7	0
3491	24-Jun-95	69	7.7	0
3492	24-Jun-95	70	7.7	0
3493	24-Jun-95	71	7.1	0
3494	24-Jun-95	72	7.1	0
3495	24-Jun-95	73	7.1	0
3496	24-Jun-95	74	7.1	0
3497	24-Jun-95	75	7.1	0
3498	24-Jun-95	76	7.1	0
3499	24-Jun-95	77	7.1	0
3500	24-Jun-95	78	7.1	0
3501	24-Jun-95	79	7.1	0
3502	24-Jun-95	80	7.1	0
3503	24-Jun-95	81	5	0.75
3504	24-Jun-95	82	5	0.75
3505	24-Jun-95	83	5	0.75
3506	24-Jun-95	84	5	0.75
3507	24-Jun-95	85	5	0.75
3508	24-Jun-95	86	5	0.75
3509	24-Jun-95	87	5	0.75
3510	24-Jun-95	88	5	0.75
3511	24-Jun-95	89	5	0.75
3512	24-Jun-95	90	5	0.75
3513	24-Jun-95	91	7.2	0
3514	24-Jun-95	92	7.2	0
3515	24-Jun-95	93	7.2	0
3516	24-Jun-95	94	7.2	0
3517	24-Jun-95	95	7.2	0
3518	24-Jun-95	96	7.2	0
3519	24-Jun-95	97	7.2	0
3520	24-Jun-95	98	7.2	0
3521	24-Jun-95	99	7.2	0
3522	25-Jun-95	1	7.2	0
3523	25-Jun-95	2	7.2	0
3524	25-Jun-95	3	7.2	0
3525	25-Jun-95	4	7.2	0
3526	25-Jun-95	5	7.2	0
3527	25-Jun-95	6	7.2	0
3528	25-Jun-95	7	7.2	0
3529	25-Jun-95	8	7.2	0
3530	25-Jun-95	9	7.2	0
3531	25-Jun-95	10	7.2	0
3532	25-Jun-95	11	7.6	0
3533	25-Jun-95	12	7.6	0
3534	25-Jun-95	13	7.6	0
3535	25-Jun-95	14	7.6	0
3536	25-Jun-95	15	7.6	0
3537	25-Jun-95	16	7.6	0
3538	25-Jun-95	17	7.6	0
3539	25-Jun-95	18	7.6	0
3540	25-Jun-95	19	7.6	0
3541	25-Jun-95	20	7.6	0
3542	25-Jun-95	21	7.5	0
3543	25-Jun-95	22	7.5	0
3544	25-Jun-95	23	7.5	0
3545	25-Jun-95	24	7.5	0
3546	25-Jun-95	25	7.5	0
3547	25-Jun-95	26	7.5	0
3548	25-Jun-95	27	7.5	0
3549	25-Jun-95	28	7.5	0
3550	25-Jun-95	29	7.5	0
3551	25-Jun-95	30	7.5	0
3552	25-Jun-95	31	7.9	0
3553	25-Jun-95	32	7.9	0
3554	25-Jun-95	33	7.9	0
3555	25-Jun-95	34	7.9	0
3556	25-Jun-95	35	7.9	0
3557	25-Jun-95	36	7.7	0
3558	25-Jun-95	37	7.7	0
3559	25-Jun-95	38	7.7	0
3560	25-Jun-95	39	7.7	0
3561	25-Jun-95	40	7.7	0
3562	25-Jun-95	41	7.5	0
3563	25-Jun-95	42	7.5	0
3564	25-Jun-95	43	7.5	0
3565	25-Jun-95	44	7.5	0
3566	25-Jun-95	45	7.5	0
3567	25-Jun-95	46	7.5	0
3568	25-Jun-95	47	7.5	0
3569	25-Jun-95	48	7.5	0
3570	25-Jun-95	49	7.5	0
3571	25-Jun-95	50	7.5	0
3572	25-Jun-95	51	7.6	0
3573	25-Jun-95	52	7.6	0
3574	25-Jun-95	53	7.6	0
3575	25-Jun-95	54	7.6	0
3576	25-Jun-95	55	7.6	0
3577	25-Jun-95	56	7.6	0
3578	25-Jun-95	57	7.6	0
3579	25-Jun-95	58	7.6	0
3580	25-Jun-95	59	7.6	0
3581	25-Jun-95	60	7.6	0
3582	25-Jun-95	61	7.2	0
3583	25-Jun-95	62	7.2	0
3584	25-Jun-95	63	7.2	0
3585	25-Jun-95	64	7.2	0
3586	25-Jun-95	65	7.2	0
3587	25-Jun-95	66	7.2	0
3588	25-Jun-95	67	7.2	0
3589	25-Jun-95	68	7.2	0
3590	25-Jun-95	69	7.2	0
3591	25-Jun-95	70	7.2	0
3592	25-Jun-95	71	7.1	0
3593	25-Jun-95	72	7.1	0
3594	25-Jun-95	73	7.1	0
3595	25-Jun-95	74	7.1	0
3596	25-Jun-95	75	7.1	0
3597	25-Jun-95	76	7.1	0
3598	25-Jun-95	77	7.1	0
3599	25-Jun-95	78	7.1	0
3600	25-Jun-95	79	7.1	0
3601	25-Jun-95	80	7.1	0
3602	25-Jun-95	81	7.5	0
3603	25-Jun-95	82	7.5	0
3604	25-Jun-95	83	7.5	0
3605	25-Jun-95	84	7.5	0
3606	25-Jun-95	85	7.5	0
3607	25-Jun-95	86	7.9	0
3608	25-Jun-95	87	7.9	0
3609	25-Jun-95	88	7.9	0
3610	25-Jun-95	89	7.9	0
3611	25-Jun-95	90	7.9	0
3612	25-Jun-95	91	7.4	0
3613	25-Jun-95	92	7.4	0
3614	25-Jun-95	93	7.4	0
3615	25-Jun-95	94	7.4	0
3616	25-Jun-95	95	7.4	0
3617	25-Jun-95	96	7.7	0
3618	25-Jun-95	97	7.7	0
3619	25-Jun-95	98	7.7	0
3620	25-Jun-95	99	7.7	0
3621	25-Jun-95	100	7.7	0
3622	26-Jun-95	1	7.7	0
3623	26-Jun-95	2	7.7	0
3624	26-Jun-95	3	7.7	0
3625	26-Jun-95	4	7.7	0
3626	26-Jun-95	5	7.7	0
3627	26-Jun-95	6	7.7	0
3628	26-Jun-95	7	7.7	0
3629	26-Jun-95	8	7.7	0
3630	26-Jun-95	9	7.7	0
3631	26-Jun-95	10	7.7	0
3632	26-Jun-95	11	7.2	0
3633	26-Jun-95	12	7.2	0
3634	26-Jun-95	13	7.2	0
3635	26-Jun-95	14	7.2	0
3636	26-Jun-95	15	7.2	0
3637	26-Jun-95	16	8	0
3638	26-Jun-95	17	8	0
3639	26-Jun-95	18	8	0
3640	26-Jun-95	19	8	0
3641	26-Jun-95	20	8	0
3642	26-Jun-95	21	8	0
3643	26-Jun-95	22	8	0
3644	26-Jun-95	23	8	0
3645	26-Jun-95	24	8	0
3646	26-Jun-95	25	8	0
3647	26-Jun-95	26	7.5	0
3648	26-Jun-95	27	7.5	0
3649	26-Jun-95	28	7.5	0
3650	26-Jun-95	29	7.5	0
3651	26-Jun-95	30	7.5	0
3652	26-Jun-95	31	7.4	0
3653	26-Jun-95	32	7.4	0
3654	26-Jun-95	33	7.4	0
3655	26-Jun-95	34	7.4	0
3656	26-Jun-95	35	7.4	0

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Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
3657	26-Jun-95	36	7.4	0
3658	26-Jun-95	37	7.4	0
3659	26-Jun-95	38	7.4	0
3660	26-Jun-95	39	7.4	0
3661	26-Jun-95	40	7.4	0
3662	26-Jun-95	41	7.1	0
3663	26-Jun-95	42	7.1	0
3664	26-Jun-95	43	7.1	0
3665	26-Jun-95	44	7.1	0
3666	26-Jun-95	45	7.1	0
3667	26-Jun-95	46	7.1	0
3668	26-Jun-95	47	7.1	0
3669	26-Jun-95	48	7.1	0
3670	26-Jun-95	49	7.3	0
3671	26-Jun-95	50	7.3	0
3672	26-Jun-95	51	7.3	0
3673	26-Jun-95	52	7.3	0
3674	26-Jun-95	53	7.3	0
3675	26-Jun-95	54	7.3	0
3676	26-Jun-95	55	7.6	0
3677	26-Jun-95	56	7.6	0
3678	26-Jun-95	57	7.6	0
3679	26-Jun-95	58	7.6	0
3680	26-Jun-95	59	7.6	0
3681	26-Jun-95	60	7.6	0
3682	26-Jun-95	61	7.6	0
3683	26-Jun-95	62	7.6	0
3684	26-Jun-95	63	7.6	0
3685	26-Jun-95	64	7.6	0
3686	26-Jun-95	65	7.6	0
3687	26-Jun-95	66	7.6	0
3688	26-Jun-95	67	7.9	0
3689	26-Jun-95	68	7.9	0
3690	26-Jun-95	69	7.9	0
3691	26-Jun-95	70	7.9	0
3692	26-Jun-95	71	7.9	0
3693	26-Jun-95	72	7.9	0
3694	26-Jun-95	73	7.9	0
3695	26-Jun-95	74	7.9	0
3696	26-Jun-95	75	7.7	0
3697	26-Jun-95	76	7.7	0
3698	26-Jun-95	77	7.7	0
3699	26-Jun-95	78	7.7	0
3700	26-Jun-95	79	7.7	0
3701	26-Jun-95	80	7.6	0
3702	26-Jun-95	81	7.6	0
3703	26-Jun-95	82	7.6	0
3704	26-Jun-95	83	7.6	0
3705	26-Jun-95	84	7.6	0
3706	26-Jun-95	85	7.6	0
3707	26-Jun-95	86	7.6	0
3708	26-Jun-95	87	7.6	0
3709	26-Jun-95	88	7.6	0
3710	26-Jun-95	89	7.6	0
3711	26-Jun-95	90	7.6	0
3712	26-Jun-95	91	7.1	0
3713	26-Jun-95	92	7.1	0
3714	26-Jun-95	93	7.1	0
3715	26-Jun-95	94	7.1	0
3716	26-Jun-95	95	7.1	0
3717	26-Jun-95	96	7.1	0
3718	27-Jun-95	1	7.6	0
3719	27-Jun-95	2	7.6	0
3720	27-Jun-95	3	7.6	0
3721	27-Jun-95	4	7.6	0
3722	27-Jun-95	5	7.6	0
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3724	27-Jun-95	7	7.6	0
3725	27-Jun-95	8	7.6	0
3726	27-Jun-95	9	7.6	0
3727	27-Jun-95	10	7.4	0
3728	27-Jun-95	11	7.4	0
3729	27-Jun-95	12	7.4	0
3730	27-Jun-95	13	7.4	0
3731	27-Jun-95	14	7.4	0
3732	27-Jun-95	15	7.7	0
3733	27-Jun-95	16	7.7	0
3734	27-Jun-95	17	7.7	0
3735	27-Jun-95	18	7.7	0
3736	27-Jun-95	19	7.7	0
3737	27-Jun-95	20	7.7	0
3738	27-Jun-95	21	7.7	0
3739	27-Jun-95	22	7.7	0
3740	27-Jun-95	23	7.7	0
3741	27-Jun-95	24	7.7	0
3742	27-Jun-95	25	7.5	0
3743	27-Jun-95	26	7.5	0
3744	27-Jun-95	27	7.5	0
3745	27-Jun-95	28	7.5	0
3746	27-Jun-95	29	7.4	0
3747	27-Jun-95	30	7.4	0
3748	27-Jun-95	31	7.6	0
3749	27-Jun-95	32	7.6	0
3750	27-Jun-95	33	7.6	0
3751	27-Jun-95	34	7.6	0
3752	27-Jun-95	35	7.5	0
3753	27-Jun-95	36	7.5	0
3754	27-Jun-95	37	7.5	0
3755	27-Jun-95	38	7.5	0
3756	27-Jun-95	39	7.5	0
3757	27-Jun-95	40	7.9	0
3758	27-Jun-95	41	7.9	0
3759	27-Jun-95	42	7.9	0
3760	27-Jun-95	43	7.9	0
3761	27-Jun-95	44	7.9	0
3762	27-Jun-95	45	7.7	0
3763	27-Jun-95	46	7.7	0
3764	27-Jun-95	47	7.7	0
3765	27-Jun-95	48	7.7	0
3766	27-Jun-95	49	7.7	0
3767	27-Jun-95	50	7.6	0
3768	27-Jun-95	51	7.6	0
3769	27-Jun-95	52	7.6	0
3770	27-Jun-95	53	7.6	0
3771	27-Jun-95	54	7.6	0
3772	27-Jun-95	55	7.6	0
3773	27-Jun-95	56	7.6	0
3774	27-Jun-95	57	7.6	0
3775	27-Jun-95	58	7.6	0
3776	27-Jun-95	59	7.6	0
3777	27-Jun-95	60	7.6	0
3778	27-Jun-95	61	7.5	0
3779	27-Jun-95	62	7.5	0
3780	27-Jun-95	63	7.5	0
3781	27-Jun-95	64	7.5	0
3782	27-Jun-95	65	7.5	0
3783	27-Jun-95	66	7.5	0
3784	27-Jun-95	67	7.5	0
3785	27-Jun-95	68	7.5	0
3786	27-Jun-95	69	7.5	0
3787	27-Jun-95	70	7.5	0
3788	27-Jun-95	71	7.3	0
3789	27-Jun-95	72	7.3	0
3790	27-Jun-95	73	7.3	0
3791	27-Jun-95	74	7.3	0
3792	27-Jun-95	75	7.3	0
3793	27-Jun-95	76	7.6	0
3794	27-Jun-95	77	7.6	0
3795	27-Jun-95	78	7.6	0
3796	27-Jun-95	79	7.6	0
3797	27-Jun-95	80	7.7	0
3798	27-Jun-95	81	7.7	0
3799	27-Jun-95	82	7.7	0
3800	27-Jun-95	83	7.7	0
3801	27-Jun-95	84	7.7	0
3802	27-Jun-95	85	7.7	0
3803	27-Jun-95	86	7.7	0
3804	27-Jun-95	87	7.7	0
3805	27-Jun-95	88	7.7	0
3806	27-Jun-95	89	7.7	0
3807	27-Jun-95	90	7.6	0
3808	27-Jun-95	91	7.4	0
3809	27-Jun-95	92	7.4	0
3810	27-Jun-95	93	7.4	0
3811	27-Jun-95	94	7.2	0
3812	27-Jun-95	95	7.2	0
3813	27-Jun-95	96	7.2	0
3814	27-Jun-95	97	7.2	0
3815	27-Jun-95	98	7.2	0
3816	28-Jun-95	1	7.6	0
3817	28-Jun-95	2	7.6	0
3818	28-Jun-95	3	7.6	0
3819	28-Jun-95	4	7.6	0
3820	28-Jun-95	5	7.6	0
3821	28-Jun-95	6	7.6	0
3822	28-Jun-95	7	7.6	0
3823	28-Jun-95	8	7.6	0
3824	28-Jun-95	9	7.4	0
3825	28-Jun-95	10	7.4	0
3826	28-Jun-95	11	7.4	0
3827	28-Jun-95	12	7.4	0
3828	28-Jun-95	13	7.4	0
3829	28-Jun-95	14	7.4	0
3830	28-Jun-95	15	7.2	0
3831	28-Jun-95	16	7.2	0
3832	28-Jun-95	17	7.2	0
3833	28-Jun-95	18	7.2	0
3834	28-Jun-95	19	7.2	0
3835	28-Jun-95	20	7.1	0
3836	28-Jun-95	21	7.1	0
3837	28-Jun-95	22	7.1	0
3838	28-Jun-95	23	7.1	0
3839	28-Jun-95	24	7.1	0
3840	28-Jun-95	25	7.1	0
3841	28-Jun-95	26	7.1	0
3842	28-Jun-95	27	7.1	0
3843	28-Jun-95	28	7.1	0
3844	28-Jun-95	29	7.1	0
3845	28-Jun-95	30	7.1	0
3846	28-Jun-95	31	7.6	0
3847	28-Jun-95	32	7.6	0
3848	28-Jun-95	33	7.6	0

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
3849	28-Jun-95	34	7.6	0
3850	28-Jun-95	35	7.6	0
3851	28-Jun-95	36	7.2	0
3852	28-Jun-95	37	7.2	0
3853	28-Jun-95	38	7.2	0
3854	28-Jun-95	39	7.2	0
3855	28-Jun-95	40	7.2	0
3856	28-Jun-95	41	7.4	0
3857	28-Jun-95	42	7.4	0
3858	28-Jun-95	43	7.4	0
3859	28-Jun-95	44	7.4	0
3860	28-Jun-95	45	7.4	0
3861	28-Jun-95	46	7.5	0
3862	28-Jun-95	47	7.5	0
3863	28-Jun-95	48	7.5	0
3864	28-Jun-95	49	7.5	0
3865	28-Jun-95	50	7.5	0
3866	28-Jun-95	51	7.5	0
3867	28-Jun-95	52	7.5	0
3868	28-Jun-95	53	7.5	0
3869	28-Jun-95	54	7.5	0
3870	28-Jun-95	55	7.5	0
3871	28-Jun-95	56	7.5	0
3872	28-Jun-95	57	7.5	0
3873	28-Jun-95	58	7.5	0
3874	28-Jun-95	59	7.5	0
3875	28-Jun-95	60	7.6	0
3876	28-Jun-95	61	7.7	0
3877	28-Jun-95	62	7.7	0
3878	28-Jun-95	63	7.7	0
3879	28-Jun-95	64	7.7	0
3880	28-Jun-95	65	7.7	0
3881	28-Jun-95	66	7.7	0
3882	28-Jun-95	67	7.7	0
3883	28-Jun-95	68	7.7	0
3884	28-Jun-95	69	7.7	0
3885	28-Jun-95	70	7.7	0
3886	28-Jun-95	71	7.6	0
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3900	28-Jun-95	85	7.8	0
3901	28-Jun-95	86	7.8	0
3902	28-Jun-95	87	7.8	0
3903	28-Jun-95	88	7.8	0
3904	28-Jun-95	89	7.8	0
3905	28-Jun-95	90	7.8	0
3906	28-Jun-95	91	7.2	0
3907	28-Jun-95	92	7.2	0
3908	28-Jun-95	93	7.2	0
3909	28-Jun-95	94	7.2	0
3910	28-Jun-95	95	7.2	0
3911	28-Jun-95	96	7.2	0
3912	28-Jun-95	97	7.2	0
3913	29-Jun-95	1	7.1	0
3914	29-Jun-95	2	7.1	0
3915	29-Jun-95	3	7.1	0
3916	29-Jun-95	4	7.1	0
3917	29-Jun-95	5	7.1	0
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3920	29-Jun-95	8	7.1	0
3921	29-Jun-95	9	7.1	0
3922	29-Jun-95	10	7.3	0
3923	29-Jun-95	11	7.3	0
3924	29-Jun-95	12	7.3	0
3925	29-Jun-95	13	7.3	0
3926	29-Jun-95	14	7.3	0
3927	29-Jun-95	15	7.4	0
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3929	29-Jun-95	17	7.4	0
3930	29-Jun-95	18	7.4	0
3931	29-Jun-95	19	7.4	0
3932	29-Jun-95	20	7.4	0
3933	29-Jun-95	21	7.4	0
3934	29-Jun-95	22	7.4	0
3935	29-Jun-95	23	7.4	0
3936	29-Jun-95	24	7.4	0
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3943	29-Jun-95	31	7.3	0
3944	29-Jun-95	32	7.3	0
3945	29-Jun-95	33	7.3	0
3946	29-Jun-95	34	7.3	0
3947	29-Jun-95	35	7.3	0
3948	29-Jun-95	36	7.6	0
3949	29-Jun-95	37	7.6	0
3950	29-Jun-95	38	7.6	0
3951	29-Jun-95	39	7.6	0
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3958	29-Jun-95	46	7.8	0
3959	29-Jun-95	47	7.8	0
3960	29-Jun-95	48	7.8	0
3961	29-Jun-95	49	7.8	0
3962	29-Jun-95	50	7.8	0
3963	29-Jun-95	51	7.8	0
3964	29-Jun-95	52	7.8	0
3965	29-Jun-95	53	7.8	0
3966	29-Jun-95	54	7.8	0
3967	29-Jun-95	55	7.8	0
3968	29-Jun-95	56	7.4	0
3969	29-Jun-95	57	7.4	0
3970	29-Jun-95	58	7.4	0
3971	29-Jun-95	59	7.4	0
3972	29-Jun-95	60	7.4	0
3973	29-Jun-95	61	7.4	0
3974	29-Jun-95	62	7.4	0
3975	29-Jun-95	63	7.4	0
3976	29-Jun-95	64	7.4	0
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3978	29-Jun-95	66	7.4	0
3979	29-Jun-95	67	7.4	0
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3983	29-Jun-95	71	7.1	0
3984	29-Jun-95	72	7.1	0
3985	29-Jun-95	73	7.1	0
3986	29-Jun-95	74	7.1	0
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3988	29-Jun-95	76	7.1	0
3989	29-Jun-95	77	7.1	0
3990	29-Jun-95	78	7.1	0
3991	29-Jun-95	79	7.1	0
3992	29-Jun-95	80	7.1	0
3993	29-Jun-95	81	7.3	0
3994	29-Jun-95	82	7.3	0
3995	29-Jun-95	83	7.3	0
3996	29-Jun-95	84	7.3	0
3997	29-Jun-95	85	7.3	0
3998	29-Jun-95	86	7.5	0
3999	29-Jun-95	87	7.5	0
4000	29-Jun-95	88	7.5	0
4001	29-Jun-95	89	7.5	0
4002	29-Jun-95	90	7.5	0
4003	29-Jun-95	91	7.5	0
4004	29-Jun-95	92	7.5	0
4005	29-Jun-95	93	7.5	0
4006	29-Jun-95	94	7.5	0
4007	29-Jun-95	95	7.5	0
4008	29-Jun-95	96	7.5	0
4009	29-Jun-95	97	7.5	0
4010	29-Jun-95	98	7.5	0
4011	30-Jun-95	1	7.7	0
4012	30-Jun-95	2	7.7	0
4013	30-Jun-95	3	7.7	0
4014	30-Jun-95	4	7.7	0
4015	30-Jun-95	5	7.7	0
4016	30-Jun-95	6	7.7	0
4017	30-Jun-95	7	7.7	0
4018	30-Jun-95	8	7.7	0
4019	30-Jun-95	9	7.7	0
4020	30-Jun-95	10	7.5	0
4021	30-Jun-95	11	7.5	0
4022	30-Jun-95	12	7.5	0
4023	30-Jun-95	13	7.5	0
4024	30-Jun-95	14	7.5	0
4025	30-Jun-95	15	7.5	0
4026	30-Jun-95	16	7.5	0
4027	30-Jun-95	17	7.5	0
4028	30-Jun-95	18	7.5	0
4029	30-Jun-95	19	7.3	0
4030	30-Jun-95	20	7.3	0
4031	30-Jun-95	21	7.3	0
4032	30-Jun-95	22	7.3	0
4033	30-Jun-95	23	7.3	0
4034	30-Jun-95	24	5.5	0.75
4035	30-Jun-95	25	5.5	0.75
4036	30-Jun-95	26	5.5	0.75
4037	30-Jun-95	27	5.5	0.75
4038	30-Jun-95	28	5.5	0.75
4039	30-Jun-95	29	5.5	0.75
4040	30-Jun-95	30	5.5	0.75

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
4041	30-Jun-95	31	5.5	0.75
4042	30-Jun-95	32	5.5	0.75
4043	30-Jun-95	33	5.5	0.75
4044	30-Jun-95	34	5.5	0.75
4045	30-Jun-95	35	5.5	0.75
4046	30-Jun-95	36	5.5	0.75
4047	30-Jun-95	37	5.5	0.75
4048	30-Jun-95	38	5.5	0.75
4049	30-Jun-95	39	5.5	0.75
4050	30-Jun-95	40	5.5	0.75
4051	30-Jun-95	41	7.7	0
4052	30-Jun-95	42	7.7	0
4053	30-Jun-95	43	7.7	0
4054	30-Jun-95	44	7.7	0
4055	30-Jun-95	45	7.7	0
4056	30-Jun-95	46	7.7	0
4057	30-Jun-95	47	7.7	0
4058	30-Jun-95	48	7.7	0
4059	30-Jun-95	49	7.3	0
4060	30-Jun-95	50	7.3	0
4061	30-Jun-95	51	7.3	0
4062	30-Jun-95	52	7.3	0
4063	30-Jun-95	53	7.3	0
4064	30-Jun-95	54	7.3	0
4065	30-Jun-95	55	7.3	0
4066	30-Jun-95	56	7.3	0
4067	30-Jun-95	57	7.3	0
4068	30-Jun-95	58	2.5	1
4069	30-Jun-95	59	2.5	1
4070	30-Jun-95	60	2.5	1
4071	30-Jun-95	61	2.5	1
4072	30-Jun-95	62	2.5	1
4073	30-Jun-95	63	2.5	1
4074	30-Jun-95	64	2.5	1
4075	30-Jun-95	65	2.5	1
4076	30-Jun-95	66	2.5	1
4077	30-Jun-95	67	2.5	1
4078	30-Jun-95	68	2.5	1
4079	30-Jun-95	69	2.5	1
4080	30-Jun-95	70	2.5	1
4081	30-Jun-95	71	7.2	0
4082	30-Jun-95	72	7.2	0
4083	30-Jun-95	73	7.2	0
4084	30-Jun-95	74	7.2	0
4085	30-Jun-95	75	7.2	0
4086	30-Jun-95	76	7.2	0
4087	30-Jun-95	77	7.2	0
4088	30-Jun-95	78	7.2	0
4089	30-Jun-95	79	7.2	0
4090	30-Jun-95	80	7.4	0
4091	30-Jun-95	81	7.4	0
4092	30-Jun-95	82	7.4	0
4093	30-Jun-95	83	7.4	0
4094	30-Jun-95	84	7.5	0
4095	30-Jun-95	85	7.5	0
4096	30-Jun-95	86	7.5	0
4097	30-Jun-95	87	7.5	0
4098	30-Jun-95	88	7.5	0
4099	30-Jun-95	89	7.5	0
4100	01-Jul-95	1	7.5	0
4101	01-Jul-95	2	7.5	0
4102	01-Jul-95	3	7.5	0
4103	01-Jul-95	4	7.5	0
4104	01-Jul-95	5	7.5	0
4105	01-Jul-95	6	7.5	0
4106	01-Jul-95	7	7.5	0
4107	01-Jul-95	8	7.5	0
4108	01-Jul-95	9	7.5	0
4109	01-Jul-95	10	7.5	0
4110	01-Jul-95	11	7.7	0
4111	01-Jul-95	12	7.7	0
4112	01-Jul-95	13	7.7	0
4113	01-Jul-95	14	7.7	0
4114	01-Jul-95	15	7.7	0
4115	01-Jul-95	16	7.4	0
4116	01-Jul-95	17	7.4	0
4117	01-Jul-95	18	7.4	0
4118	01-Jul-95	19	7.4	0
4119	01-Jul-95	20	7.4	0
4120	01-Jul-95	21	7.4	0
4121	01-Jul-95	22	7.4	0
4122	01-Jul-95	23	7.4	0
4123	01-Jul-95	24	7.4	0
4124	01-Jul-95	25	7.4	0
4125	01-Jul-95	26	7.4	0
4126	01-Jul-95	27	7.4	0
4127	01-Jul-95	28	7.4	0
4128	01-Jul-95	29	7.4	0
4129	01-Jul-95	30	7.4	0
4130	01-Jul-95	31	7.3	0
4131	01-Jul-95	32	7.3	0
4132	01-Jul-95	33	7.3	0
4133	01-Jul-95	34	7.3	0
4134	01-Jul-95	35	7.3	0
4135	01-Jul-95	36	7.5	0
4136	01-Jul-95	37	7.5	0
4137	01-Jul-95	38	7.5	0
4138	01-Jul-95	39	7.5	0
4139	01-Jul-95	40	7.5	0
4140	01-Jul-95	41	7.5	0
4141	01-Jul-95	42	7.5	0
4142	01-Jul-95	43	7.5	0
4143	01-Jul-95	44	7.5	0
4144	01-Jul-95	45	7.5	0
4145	01-Jul-95	46	7.4	0
4146	01-Jul-95	47	7.4	0
4147	01-Jul-95	48	7.4	0
4148	01-Jul-95	49	7.4	0
4149	01-Jul-95	50	7.4	0
4150	01-Jul-95	51	7.4	0
4151	01-Jul-95	52	7.4	0
4152	01-Jul-95	53	7.4	0
4153	01-Jul-95	54	7.4	0
4154	01-Jul-95	55	7.4	0
4155	01-Jul-95	56	7.3	0
4156	01-Jul-95	57	7.3	0
4157	01-Jul-95	58	7.3	0
4158	01-Jul-95	59	7.3	0
4159	01-Jul-95	60	7.3	0
4160	01-Jul-95	61	7.8	0
4161	01-Jul-95	62	7.8	0
4162	01-Jul-95	63	7.8	0
4163	01-Jul-95	64	7.8	0
4164	01-Jul-95	65	7.8	0
4165	01-Jul-95	66	7.6	0
4166	01-Jul-95	67	7.6	0
4167	01-Jul-95	68	7.6	0
4168	01-Jul-95	69	7.6	0
4169	01-Jul-95	70	7.6	0
4170	01-Jul-95	71	7.6	0
4171	01-Jul-95	72	7.6	0
4172	01-Jul-95	73	7.6	0
4173	01-Jul-95	74	7.6	0
4174	01-Jul-95	75	7.6	0
4175	01-Jul-95	76	7.5	0
4176	01-Jul-95	77	7.5	0
4177	01-Jul-95	78	7.5	0
4178	01-Jul-95	79	7.5	0
4179	01-Jul-95	80	7.5	0
4180	01-Jul-95	81	7.5	0
4181	01-Jul-95	82	7.5	0
4182	01-Jul-95	83	7.5	0
4183	01-Jul-95	84	7.5	0
4184	01-Jul-95	85	7.5	0
4185	01-Jul-95	86	7.2	0
4186	01-Jul-95	87	7.2	0
4187	01-Jul-95	88	7.2	0
4188	01-Jul-95	89	7.2	0
4189	01-Jul-95	90	7.2	0
4190	01-Jul-95	91	7.5	0
4191	01-Jul-95	92	7.5	0
4192	01-Jul-95	93	7.5	0
4193	01-Jul-95	94	7.5	0
4194	01-Jul-95	95	7.7	0
4195	01-Jul-95	96	7.7	0
4196	01-Jul-95	97	7.7	0
4197	01-Jul-95	98	7.7	0
4198	01-Jul-95	99	7.7	0
4199	01-Jul-95	100	7.7	0
4200	01-Jul-95	101	7.7	0
4201	01-Jul-95	102	7.7	0
4202	01-Jul-95	103	7.7	0
4203	02-Jul-95	1	7.7	0
4204	02-Jul-95	2	7.5	0
4205	02-Jul-95	3	7.5	0
4206	02-Jul-95	4	7.5	0
4207	02-Jul-95	5	7.5	0
4208	02-Jul-95	6	7.5	0
4209	02-Jul-95	7	7.7	0
4210	02-Jul-95	8	7.7	0
4211	02-Jul-95	9	7.7	0
4212	02-Jul-95	10	7.7	0
4213	02-Jul-95	11	7.7	0
4214	02-Jul-95	12	7.4	0
4215	02-Jul-95	13	7.4	0
4216	02-Jul-95	14	7.4	0
4217	02-Jul-95	15	7.4	0
4218	02-Jul-95	16	7.4	0
4219	02-Jul-95	17	7.4	0
4220	02-Jul-95	18	7.4	0
4221	02-Jul-95	19	7.4	0
4222	02-Jul-95	20	7.5	0
4223	02-Jul-95	21	7.5	0
4224	02-Jul-95	22	7.5	0
4225	02-Jul-95	23	7.5	0
4226	02-Jul-95	24	7.5	0
4227	02-Jul-95	25	7.5	0
4228	02-Jul-95	26	7.5	0
4229	02-Jul-95	27	7.5	0
4230	02-Jul-95	28	7.3	0
4231	02-Jul-95	29	7.3	0
4232	02-Jul-95	30	7.3	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
4233	02-Jul-95	31	7.3	0
4234	02-Jul-95	32	7.3	0
4235	02-Jul-95	33	7.6	0
4236	02-Jul-95	34	7.6	0
4237	02-Jul-95	35	7.6	0
4238	02-Jul-95	36	7.8	0
4239	02-Jul-95	37	7.8	0
4240	02-Jul-95	38	7.8	0
4241	02-Jul-95	39	7.8	0
4242	02-Jul-95	40	7.8	0
4243	02-Jul-95	41	7.8	0
4244	02-Jul-95	42	7.8	0
4245	02-Jul-95	43	7.8	0
4246	02-Jul-95	44	7.8	0
4247	02-Jul-95	45	7.8	0
4248	02-Jul-95	46	7.3	0
4249	02-Jul-95	47	7.3	0
4250	02-Jul-95	48	7.3	0
4251	02-Jul-95	49	7.3	0
4252	02-Jul-95	50	7.3	0
4253	02-Jul-95	51	7.4	0
4254	02-Jul-95	52	7.4	0
4255	02-Jul-95	53	7.4	0
4256	02-Jul-95	54	7.4	0
4257	02-Jul-95	55	7.4	0
4258	02-Jul-95	56	7.4	0
4259	02-Jul-95	57	7.4	0
4260	02-Jul-95	58	7.4	0
4261	02-Jul-95	59	7.4	0
4262	02-Jul-95	60	7.4	0
4263	02-Jul-95	61	7.6	0
4264	02-Jul-95	62	7.6	0
4265	02-Jul-95	63	7.6	0
4266	02-Jul-95	64	7.6	0
4267	02-Jul-95	65	7.6	0
4268	02-Jul-95	66	7.6	0
4269	02-Jul-95	67	7.6	0
4270	02-Jul-95	68	7.6	0
4271	02-Jul-95	69	7.6	0
4272	02-Jul-95	70	7.6	0
4273	02-Jul-95	71	7.5	0
4274	02-Jul-95	72	7.5	0
4275	02-Jul-95	73	7.5	0
4276	02-Jul-95	74	7.5	0
4277	02-Jul-95	75	7.5	0
4278	02-Jul-95	76	7.3	0
4279	02-Jul-95	77	7.3	0
4280	02-Jul-95	78	7.3	0
4281	02-Jul-95	79	7.3	0
4282	02-Jul-95	80	7.3	0
4283	02-Jul-95	81	7.5	0
4284	02-Jul-95	82	7.5	0
4285	02-Jul-95	83	7.5	0
4286	02-Jul-95	84	7.5	0
4287	02-Jul-95	85	7.5	0
4288	02-Jul-95	86	7.2	0
4289	02-Jul-95	87	7.2	0
4290	02-Jul-95	88	7.2	0
4291	02-Jul-95	89	7.2	0
4292	02-Jul-95	90	7.2	0
4293	02-Jul-95	91	7.5	0
4294	02-Jul-95	92	7.5	0
4295	02-Jul-95	93	7.5	0
4296	02-Jul-95	94	7.5	0
4297	02-Jul-95	95	7.5	0
4298	03-Jul-95	1	7.6	0
4299	03-Jul-95	2	7.6	0
4300	03-Jul-95	3	7.6	0
4301	03-Jul-95	4	7.6	0
4302	03-Jul-95	5	7.6	0
4303	03-Jul-95	6	7.6	0
4304	03-Jul-95	7	7.6	0
4305	03-Jul-95	8	7.6	0
4306	03-Jul-95	9	7.6	0
4307	03-Jul-95	10	7.6	0
4308	03-Jul-95	11	7.4	0
4309	03-Jul-95	12	7.4	0
4310	03-Jul-95	13	7.4	0
4311	03-Jul-95	14	7.4	0
4312	03-Jul-95	15	7.4	0
4313	03-Jul-95	16	7.5	0
4314	03-Jul-95	17	7.5	0
4315	03-Jul-95	18	7.5	0
4316	03-Jul-95	19	7.5	0
4317	03-Jul-95	20	7.5	0
4318	03-Jul-95	21	7.6	0
4319	03-Jul-95	22	7.6	0
4320	03-Jul-95	23	7.6	0
4321	03-Jul-95	24	7.6	0
4322	03-Jul-95	25	7.6	0
4323	03-Jul-95	26	7.4	0
4324	04-Jul-95	1	7.5	0
4325	04-Jul-95	2	7.5	0
4326	04-Jul-95	3	7.7	0
4327	04-Jul-95	4	7.7	0
4328	04-Jul-95	5	7.7	0
4329	04-Jul-95	6	7.7	0
4330	04-Jul-95	7	7.7	0
4331	04-Jul-95	8	7.4	0
4332	04-Jul-95	9	7.4	0
4333	04-Jul-95	10	7.4	0
4334	04-Jul-95	11	7.4	0
4335	04-Jul-95	12	7.4	0
4336	04-Jul-95	13	7.4	0
4337	04-Jul-95	14	7.3	0
4338	04-Jul-95	15	7.3	0
4339	04-Jul-95	16	7.3	0
4340	04-Jul-95	17	7.3	0
4341	04-Jul-95	18	7.3	0
4342	04-Jul-95	19	7.6	0
4343	04-Jul-95	20	7.6	0
4344	04-Jul-95	21	7.6	0
4345	04-Jul-95	22	7.6	0
4346	04-Jul-95	23	7.6	0
4347	04-Jul-95	24	7.8	0
4348	04-Jul-95	25	7.8	0
4349	04-Jul-95	26	7.8	0
4350	04-Jul-95	27	7.8	0
4351	04-Jul-95	28	7.8	0
4352	04-Jul-95	29	7.5	0
4353	04-Jul-95	30	7.5	0
4354	04-Jul-95	31	7.5	0
4355	04-Jul-95	32	7.5	0
4356	04-Jul-95	33	7.5	0
4357	04-Jul-95	34	7.6	0
4358	04-Jul-95	35	7.6	0
4359	04-Jul-95	36	7.6	0
4360	04-Jul-95	37	7.6	0
4361	04-Jul-95	38	7.6	0
4362	04-Jul-95	39	7.6	0
4363	04-Jul-95	40	7.6	0
4364	04-Jul-95	41	7.6	0
4365	04-Jul-95	42	7.6	0
4366	04-Jul-95	43	7.6	0
4367	04-Jul-95	44	7.7	0
4368	04-Jul-95	45	7.7	0
4369	04-Jul-95	46	7.7	0
4370	04-Jul-95	47	7.7	0
4371	04-Jul-95	48	7.7	0
4372	04-Jul-95	49	7.4	0
4373	04-Jul-95	50	7.4	0
4374	04-Jul-95	51	7.4	0
4375	04-Jul-95	52	7.4	0
4376	04-Jul-95	53	7.4	0
4377	04-Jul-95	54	7.6	0
4378	04-Jul-95	55	7.6	0
4379	04-Jul-95	56	7.6	0
4380	04-Jul-95	57	7.6	0
4381	04-Jul-95	58	7.6	0
4382	04-Jul-95	59	7.6	0
4383	04-Jul-95	60	7.6	0
4384	04-Jul-95	61	7.6	0
4385	04-Jul-95	62	7.6	0
4386	04-Jul-95	63	7.6	0
4387	04-Jul-95	64	7.7	0
4388	04-Jul-95	65	7.7	0
4389	04-Jul-95	66	7.7	0
4390	04-Jul-95	67	7.7	0
4391	04-Jul-95	68	7.7	0
4392	04-Jul-95	69	7.6	0
4393	04-Jul-95	70	7.6	0
4394	04-Jul-95	71	7.6	0
4395	04-Jul-95	72	7.6	0
4396	04-Jul-95	73	7.6	0
4397	04-Jul-95	74	7.3	0
4398	04-Jul-95	75	7.3	0
4399	04-Jul-95	76	7.3	0
4400	04-Jul-95	77	7.3	0
4401	04-Jul-95	78	7.3	0
4402	04-Jul-95	79	7.6	0
4403	04-Jul-95	80	7.6	0
4404	04-Jul-95	81	7.6	0
4405	04-Jul-95	82	7.6	0
4406	04-Jul-95	83	7.6	0
4407	04-Jul-95	84	7.8	0
4408	04-Jul-95	85	7.8	0
4409	04-Jul-95	86	7.8	0
4410	04-Jul-95	87	7.8	0
4411	04-Jul-95	88	7.8	0
4412	04-Jul-95	89	7.4	0
4413	04-Jul-95	90	7.4	0
4414	04-Jul-95	91	7.4	0
4415	04-Jul-95	92	7.4	0
4416	04-Jul-95	93	7.4	0
4417	04-Jul-95	94	7.4	0
4418	04-Jul-95	95	7.3	0
4419	04-Jul-95	96	7.3	0
4420	04-Jul-95	97	7.3	0
4421	04-Jul-95	98	7.3	0
4422	04-Jul-95	99	7.3	0
4423	04-Jul-95	100	7.5	0
4424	04-Jul-95	101	7.5	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
4425	04-Jul-95	102	7.5	0
4426	04-Jul-95	103	7.5	0
4427	05-Jul-95	1	7.2	0
4428	05-Jul-95	2	7.2	0
4429	05-Jul-95	3	7.4	0
4430	05-Jul-95	4	7.4	0
4431	05-Jul-95	5	7.4	0
4432	05-Jul-95	6	7.4	0
4433	05-Jul-95	7	7.4	0
4434	05-Jul-95	8	7.4	0
4435	05-Jul-95	9	7.1	0
4436	05-Jul-95	10	7.1	0
4437	05-Jul-95	11	7.1	0
4438	05-Jul-95	12	7.1	0
4439	05-Jul-95	13	7.1	0
4440	05-Jul-95	14	7.4	0
4441	05-Jul-95	15	7.4	0
4442	05-Jul-95	16	7.4	0
4443	05-Jul-95	17	7.4	0
4444	05-Jul-95	18	7.4	0
4445	05-Jul-95	19	7.4	0
4446	05-Jul-95	20	7.7	0
4447	05-Jul-95	21	7.7	0
4448	05-Jul-95	22	7.7	0
4449	05-Jul-95	23	7.7	0
4450	05-Jul-95	24	7.7	0
4451	05-Jul-95	25	7.4	0
4452	05-Jul-95	26	7.4	0
4453	05-Jul-95	27	7.4	0
4454	05-Jul-95	28	7.4	0
4455	05-Jul-95	29	7.4	0
4456	05-Jul-95	30	7.4	0
4457	05-Jul-95	31	7.7	0
4458	05-Jul-95	32	7.7	0
4459	05-Jul-95	33	7.7	0
4460	05-Jul-95	34	7.7	0
4461	05-Jul-95	35	7.7	0
4462	05-Jul-95	36	7.6	0
4463	05-Jul-95	37	7.6	0
4464	05-Jul-95	38	7.6	0
4465	05-Jul-95	39	7.6	0
4466	05-Jul-95	40	7.6	0
4467	05-Jul-95	41	7.6	0
4468	05-Jul-95	42	7.4	0
4469	05-Jul-95	43	7.4	0
4470	05-Jul-95	44	7.4	0
4471	05-Jul-95	45	7.4	0
4472	05-Jul-95	46	7.4	0
4473	05-Jul-95	47	7.6	0
4474	05-Jul-95	48	7.6	0
4475	05-Jul-95	49	7.6	0
4476	05-Jul-95	50	7.6	0
4477	05-Jul-95	51	7.6	0
4478	05-Jul-95	52	7.6	0
4479	05-Jul-95	53	7.6	0
4480	05-Jul-95	54	7.6	0
4481	05-Jul-95	55	7.6	0
4482	05-Jul-95	56	7.6	0
4483	05-Jul-95	57	7.3	0
4484	05-Jul-95	58	7.3	0
4485	05-Jul-95	59	7.3	0
4486	05-Jul-95	60	7.3	0
4487	05-Jul-95	61	7.3	0
4488	05-Jul-95	62	7.3	0
4489	05-Jul-95	63	7.5	0
4490	05-Jul-95	64	7.5	0
4491	05-Jul-95	65	7.5	0
4492	05-Jul-95	66	7.5	0
4493	05-Jul-95	67	7.5	0
4494	05-Jul-95	68	7.2	0
4495	05-Jul-95	69	7.2	0
4496	05-Jul-95	70	7.2	0
4497	05-Jul-95	71	7.2	0
4498	05-Jul-95	72	7.2	0
4499	05-Jul-95	73	7.2	0
4500	05-Jul-95	74	7.6	0
4501	05-Jul-95	75	7.6	0
4502	05-Jul-95	76	7.6	0
4503	05-Jul-95	77	7.6	0
4504	05-Jul-95	78	7.6	0
4505	05-Jul-95	79	7.5	0
4506	05-Jul-95	80	7.3	0
4507	05-Jul-95	81	7.3	0
4508	05-Jul-95	82	7.3	0
4509	05-Jul-95	83	7.3	0
4510	05-Jul-95	84	7.3	0
4511	05-Jul-95	85	7.5	0
4512	05-Jul-95	86	7.5	0
4513	05-Jul-95	87	7.5	0
4514	05-Jul-95	88	7.5	0
4515	05-Jul-95	89	7.5	0
4516	05-Jul-95	90	7.2	0
4517	05-Jul-95	91	7.2	0
4518	05-Jul-95	92	7.2	0
4519	05-Jul-95	93	7.2	0
4520	05-Jul-95	94	7.2	0
4521	05-Jul-95	95	7.2	0
4522	05-Jul-95	96	7.7	0
4523	05-Jul-95	97	7.7	0
4524	05-Jul-95	98	7.7	0
4525	05-Jul-95	99	7.7	0
4526	05-Jul-95	100	7.7	0
4527	05-Jul-95	101	7.3	0
4528	05-Jul-95	102	7.3	0
4529	05-Jul-95	103	7.3	0
4530	05-Jul-95	104	7.3	0
4531	05-Jul-95	105	7.3	0
4532	05-Jul-95	106	7.3	0
4533	05-Jul-95	107	7.2	0
4534	05-Jul-95	108	7.2	0
4535	05-Jul-95	109	7.2	0
4536	06-Jul-95	1	7.5	0
4537	06-Jul-95	2	7.5	0
4538	06-Jul-95	3	7.5	0
4539	06-Jul-95	4	7.5	0
4540	06-Jul-95	5	7.5	0
4541	06-Jul-95	6	7.6	0
4542	06-Jul-95	7	7.6	0
4543	06-Jul-95	8	7.6	0
4544	06-Jul-95	9	7.6	0
4545	06-Jul-95	10	7.6	0
4546	06-Jul-95	11	7.3	0
4547	06-Jul-95	12	7.3	0
4548	06-Jul-95	13	7.3	0
4549	06-Jul-95	14	7.3	0
4550	06-Jul-95	15	7.3	0
4551	06-Jul-95	16	7.6	0
4552	06-Jul-95	17	7.6	0
4553	06-Jul-95	18	7.6	0
4554	06-Jul-95	19	7.6	0
4555	06-Jul-95	20	7.6	0
4556	06-Jul-95	21	7.2	0
4557	06-Jul-95	22	7.2	0
4558	06-Jul-95	23	7.2	0
4559	06-Jul-95	24	7.2	0
4560	06-Jul-95	25	7.2	0
4561	06-Jul-95	26	7.5	0
4562	06-Jul-95	27	7.5	0
4563	06-Jul-95	28	7.5	0
4564	06-Jul-95	29	7.5	0
4565	06-Jul-95	30	7.5	0
4566	06-Jul-95	31	7	0
4567	06-Jul-95	32	7	0
4568	06-Jul-95	33	7	0
4569	06-Jul-95	34	7	0
4570	06-Jul-95	35	7	0
4571	06-Jul-95	36	7	0
4572	06-Jul-95	37	7	0
4573	06-Jul-95	38	7	0
4574	06-Jul-95	39	7	0
4575	06-Jul-95	40	7	0
4576	06-Jul-95	41	7	0
4577	06-Jul-95	42	7	0
4578	06-Jul-95	43	7	0
4579	06-Jul-95	44	7	0
4580	06-Jul-95	45	7	0
4581	06-Jul-95	46	7	0
4582	06-Jul-95	47	7	0
4583	06-Jul-95	48	7	0
4584	06-Jul-95	49	7	0
4585	06-Jul-95	50	7	0
4586	06-Jul-95	51	7	0
4587	06-Jul-95	52	7	0
4588	06-Jul-95	53	7	0
4589	06-Jul-95	54	7	0
4590	06-Jul-95	55	7	0
4591	06-Jul-95	56	7	0
4592	06-Jul-95	57	7	0
4593	06-Jul-95	58	7	0
4594	06-Jul-95	59	7	0
4595	06-Jul-95	60	7	0
4596	06-Jul-95	61	7.1	0
4597	06-Jul-95	62	7	0
4598	06-Jul-95	63	7.1	0
4599	06-Jul-95	64	7.2	0
4600	06-Jul-95	65	7.4	0
4601	06-Jul-95	66	7	0
4602	06-Jul-95	67	7.1	0
4603	06-Jul-95	68	7.1	0
4604	06-Jul-95	69	7.4	0
4605	06-Jul-95	70	7.2	0
4606	06-Jul-95	71	7	0
4607	06-Jul-95	72	7.1	0
4608	06-Jul-95	73	7.4	0
4609	06-Jul-95	74	7.2	0
4610	06-Jul-95	75	7.2	0
4611	06-Jul-95	76	7	0
4612	06-Jul-95	77	7.1	0
4613	06-Jul-95	78	7.4	0
4614	06-Jul-95	79	7.1	0
4615	06-Jul-95	80	7.4	0
4616	06-Jul-95	81	7.1	0

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
4617	06-Jul-95	82	7.2	0
4618	06-Jul-95	83	7	0
4619	06-Jul-95	84	7.2	0
4620	06-Jul-95	85	7	0
4621	06-Jul-95	86	7	0
4622	06-Jul-95	87	7.4	0
4623	06-Jul-95	88	7.2	0
4624	06-Jul-95	89	7.1	0
4625	06-Jul-95	90	7.1	0
4626	06-Jul-95	91	7.4	0
4627	06-Jul-95	92	7.2	0
4628	06-Jul-95	93	7.2	0
4629	07-Jul-95	1	7.1	0
4630	07-Jul-95	2	7.4	0
4631	07-Jul-95	3	7	0
4632	07-Jul-95	4	7.1	0
4633	07-Jul-95	5	7.1	0
4634	07-Jul-95	6	7.1	0
4635	07-Jul-95	7	7.1	0
4636	07-Jul-95	8	7.4	0
4637	07-Jul-95	9	7.2	0
4638	07-Jul-95	10	7.2	0
4639	07-Jul-95	11	7.4	0
4640	07-Jul-95	12	7.1	0
4641	07-Jul-95	13	7.1	0
4642	07-Jul-95	14	7.1	0
4643	07-Jul-95	15	7.2	0
4644	07-Jul-95	16	7.4	0
4645	07-Jul-95	17	7.1	0
4646	07-Jul-95	18	7	0
4647	07-Jul-95	19	7.1	0
4648	07-Jul-95	20	7.2	0
4649	07-Jul-95	21	7.2	0
4650	07-Jul-95	22	7.4	0
4651	07-Jul-95	23	7.2	0
4652	07-Jul-95	24	7.2	0
4653	07-Jul-95	25	7.1	0
4654	07-Jul-95	26	7.1	0
4655	07-Jul-95	27	7	0
4656	07-Jul-95	28	7.1	0
4657	07-Jul-95	29	7.2	0
4658	07-Jul-95	30	7.1	0
4659	07-Jul-95	31	7.2	0
4660	07-Jul-95	32	7.2	0
4661	07-Jul-95	33	7.1	0
4662	07-Jul-95	34	7	0
4663	07-Jul-95	35	7.1	0
4664	07-Jul-95	36	7.1	0
4665	07-Jul-95	37	7	0
4666	07-Jul-95	38	7.4	0
4667	07-Jul-95	39	7.2	0
4668	07-Jul-95	40	6.4	1
4669	07-Jul-95	41	5.9	1
4670	07-Jul-95	42	6.2	1
4671	07-Jul-95	43	5.5	1
4672	07-Jul-95	44	5.7	1
4673	07-Jul-95	45	3.9	1
4674	07-Jul-95	46	3.7	1
4675	07-Jul-95	47	4.2	1
4676	07-Jul-95	48	4.5	1
4677	07-Jul-95	49	4.8	1
4678	07-Jul-95	50	4.8	1
4679	07-Jul-95	51	4.5	1
4680	07-Jul-95	52	5.2	1
4681	07-Jul-95	53	4.8	1
4682	07-Jul-95	54	4.2	1
4683	07-Jul-95	55	4.1	1
4684	07-Jul-95	56	5.6	1
4685	07-Jul-95	57	5.2	1
4686	07-Jul-95	58	4.6	1
4687	07-Jul-95	59	4.8	1
4688	07-Jul-95	60	7.2	0
4689	07-Jul-95	61	7.4	0
4690	07-Jul-95	62	7.2	0
4691	07-Jul-95	63	7.1	0
4692	07-Jul-95	64	7.2	0
4693	07-Jul-95	65	7.2	0
4694	07-Jul-95	66	7.4	0
4695	07-Jul-95	67	7.5	0
4696	07-Jul-95	68	7.2	0
4697	07-Jul-95	69	7.1	0
4698	07-Jul-95	70	7.3	0
4699	07-Jul-95	71	7.3	0
4700	07-Jul-95	72	7.2	0
4701	07-Jul-95	73	7	0
4702	07-Jul-95	74	7	0
4703	07-Jul-95	75	7.1	0
4704	07-Jul-95	76	7.1	0
4705	07-Jul-95	77	7.2	0
4706	07-Jul-95	78	7	0
4707	07-Jul-95	79	7.4	0
4708	07-Jul-95	80	7.3	0
4709	07-Jul-95	81	7.4	0
4710	07-Jul-95	82	7.2	0
4711	07-Jul-95	83	7	0
4712	07-Jul-95	84	7.1	0
4713	07-Jul-95	85	7	0
4714	07-Jul-95	86	5.2	1
4715	07-Jul-95	87	5.4	1
4716	07-Jul-95	88	5.2	1
4717	07-Jul-95	89	6.2	1
4718	07-Jul-95	90	6	1
4719	07-Jul-95	91	7.1	0
4720	07-Jul-95	92	7.4	0
4721	07-Jul-95	93	7.2	0
4722	07-Jul-95	94	7.2	0
4723	07-Jul-95	95	7.1	0
4724	07-Jul-95	96	7	0
4725	07-Jul-95	97	7.2	0
4726	07-Jul-95	98	7.1	1
4727	07-Jul-95	99	6.3	1
4728	07-Jul-95	100	6.5	1
4729	07-Jul-95	101	5.8	1
4730	07-Jul-95	102	4.9	1
4731	07-Jul-95	103	5.2	1
4732	07-Jul-95	104	7.1	0
4733	07-Jul-95	105	7	0
4734	07-Jul-95	106	6.9	1
4735	07-Jul-95	107	6.7	1
4736	07-Jul-95	108	6.2	1
4737	07-Jul-95	109	6	1
4738	08-Jul-95	1	5.5	1
4739	08-Jul-95	2	6.2	1
4740	08-Jul-95	3	6.1	1
4741	08-Jul-95	4	5.7	1
4742	08-Jul-95	5	5.5	1
4743	08-Jul-95	6	6	1
4744	08-Jul-95	7	6.2	1
4745	08-Jul-95	8	6.1	1
4746	08-Jul-95	9	5.2	1
4747	08-Jul-95	10	5.6	1
4748	08-Jul-95	11	5.2	1
4749	08-Jul-95	12	5.4	1
4750	08-Jul-95	13	6	1
4751	08-Jul-95	14	6.1	1
4752	08-Jul-95	15	5.8	1
4753	08-Jul-95	16	5.2	1
4754	08-Jul-95	17	4.6	1
4755	08-Jul-95	18	5.2	1
4756	08-Jul-95	19	4.8	1
4757	08-Jul-95	20	4.9	1
4758	08-Jul-95	21	5.5	1
4759	08-Jul-95	22	6.9	1
4760	08-Jul-95	23	7.1	0
4761	08-Jul-95	24	7.2	0
4762	08-Jul-95	25	7.1	0
4763	08-Jul-95	27	7	0
4764	08-Jul-95	28	6.3	1
4765	08-Jul-95	29	6.2	1
4766	08-Jul-95	30	5.8	1
4767	08-Jul-95	31	5.8	1
4768	08-Jul-95	32	5.2	1
4769	08-Jul-95	33	5.4	1
4770	08-Jul-95	34	4.5	1
4771	08-Jul-95	35	5	1
4772	08-Jul-95	36	5.1	1
4773	08-Jul-95	37	5.6	1
4774	08-Jul-95	38	5.2	1
4775	08-Jul-95	39	5.2	1
4776	08-Jul-95	40	7.1	0
4777	08-Jul-95	41	7.1	0
4778	08-Jul-95	42	7	0
4779	08-Jul-95	43	7.4	0
4780	08-Jul-95	44	7.2	0
4781	08-Jul-95	45	7.1	0
4782	08-Jul-95	46	7.1	0
4783	08-Jul-95	47	7	0
4784	08-Jul-95	48	7.1	0
4785	08-Jul-95	49	7.2	0
4786	08-Jul-95	50	7.4	0
4787	08-Jul-95	51	7.2	0
4788	08-Jul-95	52	7.1	0
4789	08-Jul-95	53	7.2	0
4790	08-Jul-95	54	7.2	0
4791	08-Jul-95	55	7.4	0
4792	08-Jul-95	56	7	0
4793	08-Jul-95	57	7	0
4794	08-Jul-95	58	7.1	0
4795	08-Jul-95	59	7.1	0
4796	08-Jul-95	60	7.2	0
4797	08-Jul-95	61	7	0
4798	08-Jul-95	62	7.2	0
4799	08-Jul-95	63	7.4	0
4800	08-Jul-95	64	7.2	0
4801	08-Jul-95	65	7.1	0
4802	08-Jul-95	66	7	0
4803	08-Jul-95	67	7.1	0
4804	08-Jul-95	68	7.4	0
4805	08-Jul-95	69	7.2	0
4806	08-Jul-95	70	7	0
4807	08-Jul-95	71	7.2	0
4808	08-Jul-95	72	7.4	0

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Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
4809	08-Jul-95	73	7.2	0
4810	08-Jul-95	74	7.1	0
4811	08-Jul-95	75	7.1	0
4812	08-Jul-95	76	7.4	0
4813	08-Jul-95	77	7.2	0
4814	08-Jul-95	78	7.3	0
4815	08-Jul-95	79	7.1	0
4816	08-Jul-95	80	7	0
4817	08-Jul-95	81	7	0
4818	08-Jul-95	82	7.1	0
4819	08-Jul-95	83	7.1	0
4820	08-Jul-95	84	7.2	0
4821	08-Jul-95	85	7.1	0
4822	08-Jul-95	86	7.2	0
4823	08-Jul-95	87	5.4	1
4824	08-Jul-95	88	5.2	1
4825	08-Jul-95	89	4.8	1
4826	08-Jul-95	90	4.8	1
4827	08-Jul-95	91	5	1
4828	08-Jul-95	92	5.8	1
4829	08-Jul-95	93	7.1	0
4830	08-Jul-95	94	7.2	0
4831	08-Jul-95	95	7	0
4832	08-Jul-95	96	7.4	0
4833	08-Jul-95	97	7.5	0
4834	08-Jul-95	98	7.2	0
4835	08-Jul-95	99	7.1	0
4836	08-Jul-95	100	7.2	0
4837	08-Jul-95	101	7.2	0
4838	08-Jul-95	102	7.1	0
4839	08-Jul-95	103	7	0
4840	08-Jul-95	104	7.1	0
4841	08-Jul-95	105	7.1	0
4842	08-Jul-95	106	7.1	0
4843	08-Jul-95	107	7.2	0
4844	08-Jul-95	108	7.3	0
4845	08-Jul-95	109	7.2	0
4846	08-Jul-95	110	7.1	0
4847	08-Jul-95	111	7.1	0
4848	08-Jul-95	112	7.2	0
4849	08-Jul-95	113	7	0
4850	08-Jul-95	114	7	0
4851	08-Jul-95	115	7	0
4852	09-Jul-95	1	7.4	0
4853	09-Jul-95	2	7.2	0
4854	09-Jul-95	3	7.2	0
4855	09-Jul-95	4	7.4	0
4856	09-Jul-95	5	7.1	0
4857	09-Jul-95	6	7	0
4858	09-Jul-95	7	7.2	0
4859	09-Jul-95	8	7.2	0
4860	09-Jul-95	9	7.1	0
4861	09-Jul-95	10	7.4	0
4862	09-Jul-95	11	7.2	0
4863	09-Jul-95	12	7	0
4864	09-Jul-95	13	7.2	0
4865	09-Jul-95	14	7.3	0
4866	09-Jul-95	15	7.2	0
4867	09-Jul-95	16	7	0
4868	09-Jul-95	17	7.1	0
4869	09-Jul-95	18	7.4	0
4870	09-Jul-95	19	7	0
4871	09-Jul-95	20	7.2	0
4872	09-Jul-95	21	7.4	0
4873	09-Jul-95	22	7.4	0
4874	09-Jul-95	23	7.1	0
4875	09-Jul-95	24	7.2	0
4876	09-Jul-95	25	7.1	0
4877	09-Jul-95	26	7	0
4878	09-Jul-95	27	7.2	0
4879	09-Jul-95	28	7.1	0
4880	09-Jul-95	29	7.1	0
4881	09-Jul-95	30	7.1	0
4882	09-Jul-95	31	7	0
4883	09-Jul-95	32	7.2	0
4884	09-Jul-95	33	7.2	0
4885	09-Jul-95	34	7.1	0
4886	09-Jul-95	35	4.1	1
4887	09-Jul-95	36	4.8	1
4888	09-Jul-95	37	5.2	1
4889	09-Jul-95	38	4.7	1
4890	09-Jul-95	39	4.6	1
4891	09-Jul-95	40	5.3	1
4892	09-Jul-95	41	5.4	1
4893	09-Jul-95	42	5.8	1
4894	09-Jul-95	43	6.2	1
4895	09-Jul-95	44	6.1	1
4896	09-Jul-95	45	5.8	1
4897	09-Jul-95	46	5.2	1
4898	09-Jul-95	47	5.1	1
4899	09-Jul-95	48	4.8	1
4900	09-Jul-95	49	4.8	1
4901	09-Jul-95	50	5.2	1
4902	09-Jul-95	51	5.3	1
4903	09-Jul-95	52	4.7	1
4904	09-Jul-95	53	4.8	1
4905	09-Jul-95	54	7.1	0
4906	09-Jul-95	55	7.2	0
4907	09-Jul-95	56	7.3	0
4908	09-Jul-95	57	7.2	0
4909	09-Jul-95	58	7.1	0
4910	09-Jul-95	59	7.3	0
4911	09-Jul-95	60	7.3	0
4912	09-Jul-95	61	7.2	0
4913	09-Jul-95	62	7.1	0
4914	09-Jul-95	63	7	0
4915	09-Jul-95	64	7.2	0
4916	09-Jul-95	65	7.1	0
4917	09-Jul-95	66	7.1	0
4918	09-Jul-95	67	7.1	0
4919	09-Jul-95	68	7.8	0
4920	09-Jul-95	69	7.2	0
4921	09-Jul-95	70	7.3	0
4922	09-Jul-95	71	7	0
4923	09-Jul-95	72	6.4	1
4924	09-Jul-95	73	6.2	1
4925	09-Jul-95	74	6.4	1
4926	09-Jul-95	75	6.8	1
4927	09-Jul-95	76	6.6	1
4928	09-Jul-95	77	6.2	1
4929	09-Jul-95	78	6	1
4930	09-Jul-95	79	5.8	1
4931	09-Jul-95	80	6.1	1
4932	09-Jul-95	81	6	1
4933	09-Jul-95	82	6.2	1
4934	09-Jul-95	83	5.4	1
4935	09-Jul-95	84	5.2	1
4936	09-Jul-95	85	4.8	1
4937	09-Jul-95	86	4.6	1
4938	09-Jul-95	87	5	1
4939	09-Jul-95	88	5.2	1
4940	09-Jul-95	89	5.7	1
4941	09-Jul-95	90	5.4	1
4942	09-Jul-95	91	6.3	1
4943	09-Jul-95	92	6	1
4944	09-Jul-95	93	5.9	1
4945	10-Jul-95	1	6.4	1
4946	10-Jul-95	2	6.2	1
4947	10-Jul-95	3	6.4	1
4948	10-Jul-95	4	5.8	1
4949	10-Jul-95	5	7.2	0
4950	10-Jul-95	6	7	0
4951	10-Jul-95	7	7	0
4952	10-Jul-95	8	7.1	0
4953	10-Jul-95	9	7.4	0
4954	10-Jul-95	10	7.1	0
4955	10-Jul-95	11	7.1	0
4956	10-Jul-95	12	7	0
4957	10-Jul-95	13	7.2	0
4958	10-Jul-95	14	7	0
4959	10-Jul-95	15	7.1	0
4960	10-Jul-95	16	7.4	0
4961	10-Jul-95	17	7.2	0
4962	10-Jul-95	18	7.1	0
4963	10-Jul-95	19	7	0
4964	10-Jul-95	20	7.1	0
4965	10-Jul-95	21	7.1	0
4966	10-Jul-95	22	7.2	0
4967	10-Jul-95	23	7.1	0
4968	10-Jul-95	24	7	0
4969	10-Jul-95	25	7.3	0
4970	10-Jul-95	26	7.4	0
4971	10-Jul-95	27	7.3	0
4972	10-Jul-95	28	5.4	1
4973	10-Jul-95	29	4.8	1
4974	10-Jul-95	30	6.4	1
4975	10-Jul-95	31	6.3	1
4976	10-Jul-95	32	6.4	1
4977	10-Jul-95	33	6.2	1
4978	10-Jul-95	34	5.8	1
4979	10-Jul-95	35	6	1
4980	10-Jul-95	36	6	1
4981	10-Jul-95	37	7.1	0
4982	10-Jul-95	38	7.3	0
4983	10-Jul-95	39	7.2	0
4984	10-Jul-95	40	7.2	0
4985	10-Jul-95	41	7.1	0
4986	10-Jul-95	42	7	0
4987	10-Jul-95	43	7.2	0
4988	10-Jul-95	44	7.4	0
4989	10-Jul-95	45	7.2	0
4990	10-Jul-95	46	7.1	0
4991	10-Jul-95	47	7	0
4992	10-Jul-95	48	7.4	0
4993	10-Jul-95	49	7.3	0
4994	10-Jul-95	50	7.2	0
4995	10-Jul-95	51	7.2	0
4996	10-Jul-95	52	7.4	0
4997	10-Jul-95	53	7.1	0
4998	10-Jul-95	54	7.2	0
4999	10-Jul-95	55	7.2	0
5000	10-Jul-95	56	7.1	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
5001	10-Jul-95	57	7.1	0
5002	10-Jul-95	58	7.1	0
5003	10-Jul-95	59	7.2	0
5004	10-Jul-95	60	7.2	0
5005	10-Jul-95	61	7	0
5006	10-Jul-95	62	7.1	0
5007	10-Jul-95	63	7.1	0
5008	10-Jul-95	64	6.4	1
5009	10-Jul-95	65	6.2	1
5010	10-Jul-95	66	6.7	1
5011	10-Jul-95	67	6	1
5012	10-Jul-95	68	7.2	0
5013	10-Jul-95	69	7.1	0
5014	10-Jul-95	70	7.4	0
5015	10-Jul-95	71	7.1	0
5016	10-Jul-95	72	7.2	0
5017	10-Jul-95	73	7.2	0
5018	10-Jul-95	74	7	0
5019	10-Jul-95	75	7.3	0
5020	10-Jul-95	76	7.4	0
5021	10-Jul-95	77	7	0
5022	10-Jul-95	78	7.2	0
5023	10-Jul-95	79	7	0
5024	10-Jul-95	80	7.4	0
5025	10-Jul-95	81	7.2	0
5026	10-Jul-95	82	7	0
5027	10-Jul-95	83	7	0
5028	10-Jul-95	84	7.4	0
5029	10-Jul-95	85	7.5	0
5030	10-Jul-95	86	7.2	0
5031	10-Jul-95	87	7.2	0
5032	10-Jul-95	88	7.1	0
5033	10-Jul-95	89	7.4	0
5034	10-Jul-95	90	7.4	0
5035	10-Jul-95	91	7	1
5036	11-Jul-95	1	7.4	0
5037	11-Jul-95	2	7.5	0
5038	11-Jul-95	3	7.2	0
5039	11-Jul-95	4	7.4	0
5040	11-Jul-95	5	7.4	0
5041	11-Jul-95	6	7.3	0
5042	11-Jul-95	7	7.3	0
5043	11-Jul-95	8	7.2	0
5044	11-Jul-95	9	7.1	0
5045	11-Jul-95	10	7	0
5046	11-Jul-95	11	7	0
5047	11-Jul-95	12	7.2	0
5048	11-Jul-95	13	7.3	0
5049	11-Jul-95	14	7.4	0
5050	11-Jul-95	15	7.6	0
5051	11-Jul-95	16	7.3	0
5052	11-Jul-95	17	7.5	0
5053	11-Jul-95	18	7.1	0
5054	11-Jul-95	19	7.3	0
5055	11-Jul-95	20	7.5	0
5056	11-Jul-95	21	7.5	0
5057	11-Jul-95	22	7.4	0
5058	11-Jul-95	23	7.4	0
5059	11-Jul-95	24	7.3	0
5060	11-Jul-95	25	7.2	0
5061	11-Jul-95	26	7.3	0
5062	11-Jul-95	27	7.2	0
5063	11-Jul-95	28	7.3	0
5064	11-Jul-95	29	7.1	0
5065	11-Jul-95	30	7.2	0
5066	11-Jul-95	31	7.2	0
5067	11-Jul-95	32	7.3	0
5068	11-Jul-95	33	7.2	0
5069	11-Jul-95	34	7.2	0
5070	11-Jul-95	35	7.2	0
5071	11-Jul-95	36	7.1	0
5072	11-Jul-95	37	7.3	0
5073	11-Jul-95	38	7.3	0
5074	11-Jul-95	39	7.3	0
5075	11-Jul-95	40	7.2	0
5076	11-Jul-95	41	7.4	0
5077	11-Jul-95	42	7.2	0
5078	11-Jul-95	43	7.4	0
5079	11-Jul-95	44	7.3	0
5080	11-Jul-95	45	7.4	0
5081	11-Jul-95	46	7.2	0
5082	11-Jul-95	47	7.1	0
5083	11-Jul-95	48	7.2	0
5084	11-Jul-95	49	7.2	0
5085	11-Jul-95	50	7.4	0
5086	11-Jul-95	51	7.3	0
5087	11-Jul-95	52	7.3	0
5088	11-Jul-95	53	7.4	0
5089	11-Jul-95	54	7.5	0
5090	11-Jul-95	55	6.3	1
5091	11-Jul-95	56	6.1	1
5092	11-Jul-95	57	6.5	1
5093	11-Jul-95	58	5.8	1
5094	11-Jul-95	59	5.4	1
5095	11-Jul-95	60	5.8	1
5096	11-Jul-95	61	6.2	1
5097	11-Jul-95	62	6.5	1
5098	11-Jul-95	63	6.1	1
5099	11-Jul-95	64	6.4	1
5100	11-Jul-95	65	5.8	1
5101	11-Jul-95	66	5.4	1
5102	11-Jul-95	67	5.8	1
5103	11-Jul-95	68	5.4	1
5104	11-Jul-95	69	5.5	1
5105	11-Jul-95	70	6.2	1
5106	11-Jul-95	71	5.8	1
5107	11-Jul-95	72	6	1
5108	11-Jul-95	73	6.3	1
5109	11-Jul-95	74	6.5	1
5110	11-Jul-95	75	6	1
5111	11-Jul-95	76	5.8	1
5112	11-Jul-95	77	6.2	1
5113	12-Jul-95	1	3.9	1
5114	12-Jul-95	2	3.6	1
5115	12-Jul-95	3	4.2	1
5116	12-Jul-95	4	4.5	1
5117	12-Jul-95	5	6.6	1
5118	12-Jul-95	6	7.2	0
5119	12-Jul-95	7	7.5	0
5120	12-Jul-95	8	7.1	0
5121	12-Jul-95	9	7.3	0
5122	12-Jul-95	10	7	0
5123	12-Jul-95	11	7.2	0
5124	12-Jul-95	12	7.5	0
5125	12-Jul-95	13	7.7	0
5126	12-Jul-95	14	7.1	0
5127	12-Jul-95	15	7.2	0
5128	12-Jul-95	16	7.3	0
5129	12-Jul-95	17	7.2	0
5130	12-Jul-95	18	7.1	0
5131	12-Jul-95	19	7.3	0
5132	12-Jul-95	20	7.5	0
5133	12-Jul-95	21	7.1	0
5134	12-Jul-95	22	7.3	0
5135	12-Jul-95	23	7.5	0
5136	12-Jul-95	24	7.5	0
5137	12-Jul-95	25	7.3	0
5138	12-Jul-95	26	7.1	0
5139	12-Jul-95	27	7	0
5140	12-Jul-95	28	7.5	0
5141	12-Jul-95	29	7.2	0
5142	12-Jul-95	30	7.2	0
5143	12-Jul-95	31	7.1	0
5144	12-Jul-95	32	7.3	0
5145	12-Jul-95	33	7.2	0
5146	12-Jul-95	34	7.4	0
5147	12-Jul-95	35	7.1	0
5148	12-Jul-95	36	7	0
5149	12-Jul-95	37	7.2	0
5150	12-Jul-95	38	7.5	0
5151	12-Jul-95	39	7.6	0
5152	12-Jul-95	40	7.2	0
5153	12-Jul-95	41	7	0
5154	12-Jul-95	42	7.2	0
5155	12-Jul-95	43	7.1	0
5156	12-Jul-95	44	7.2	0
5157	12-Jul-95	45	7.5	0
5158	12-Jul-95	46	7.4	0
5159	12-Jul-95	47	7.2	0
5160	12-Jul-95	48	7.5	0
5161	12-Jul-95	49	7.6	0
5162	12-Jul-95	50	7.1	0
5163	12-Jul-95	51	7.2	0
5164	12-Jul-95	52	3.5	1
5165	12-Jul-95	53	4.2	1
5166	12-Jul-95	54	5.1	1
5167	12-Jul-95	55	4	1
5168	12-Jul-95	56	3.7	1
5169	12-Jul-95	57	3.8	1
5170	12-Jul-95	58	3.7	1
5171	12-Jul-95	59	3.9	1
5172	12-Jul-95	60	3.9	1
5173	12-Jul-95	61	4.8	1
5174	12-Jul-95	62	5	1
5175	12-Jul-95	63	5.2	1
5176	12-Jul-95	64	4.3	1
5177	12-Jul-95	65	6.7	1
5178	12-Jul-95	66	6.6	1
5179	12-Jul-95	67	4.4	1
5180	12-Jul-95	68	5.1	1
5181	12-Jul-95	69	5.8	1
5182	12-Jul-95	70	4.2	1
5183	12-Jul-95	71	3.5	1
5184	12-Jul-95	72	6.9	1
5185	12-Jul-95	73	6.8	1
5186	12-Jul-95	74	5.2	1
5187	12-Jul-95	75	4.1	1
5188	12-Jul-95	76	5.8	1
5189	12-Jul-95	77	6.2	1
5190	12-Jul-95	78	7.3	0
5191	12-Jul-95	79	7.6	0
5192	12-Jul-95	80	7.7	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
5193	12-Jul-95	81	7.1	0
5194	12-Jul-95	82	7.2	0
5195	12-Jul-95	83	7.5	0
5196	12-Jul-95	84	7.3	0
5197	12-Jul-95	85	7.2	0
5198	12-Jul-95	86	7.7	0
5199	12-Jul-95	87	7.4	0
5200	12-Jul-95	88	7.2	0
5201	12-Jul-95	89	7.6	0
5202	12-Jul-95	90	7.9	0
5203	12-Jul-95	91	7.8	0
5204	12-Jul-95	92	7.3	0
5205	12-Jul-95	93	7.3	0
5206	12-Jul-95	94	7.2	0
5207	12-Jul-95	95	7.5	0
5208	12-Jul-95	96	7.7	0
5209	12-Jul-95	97	7.2	0
5210	12-Jul-95	98	7.2	0
5211	12-Jul-95	99	7.5	0
5212	12-Jul-95	100	7.6	0
5213	12-Jul-95	101	7.3	0
5214	12-Jul-95	102	7.7	0
5215	13-Jul-95	1	7.2	0
5216	13-Jul-95	2	7.1	0
5217	13-Jul-95	3	7.2	0
5218	13-Jul-95	4	7	0
5219	13-Jul-95	5	6.3	1
5220	13-Jul-95	6	6.7	1
5221	13-Jul-95	7	6.5	1
5222	13-Jul-95	8	7.2	0
5223	13-Jul-95	9	7.1	0
5224	13-Jul-95	10	7.2	0
5225	13-Jul-95	11	4.3	1
5226	13-Jul-95	12	5.1	1
5227	13-Jul-95	13	7.2	0
5228	13-Jul-95	14	7.1	0
5229	13-Jul-95	15	7.1	0
5230	13-Jul-95	16	7.2	0
5231	13-Jul-95	17	7	0
5232	13-Jul-95	18	7.4	0
5233	13-Jul-95	19	7.2	0
5234	13-Jul-95	20	7.3	0
5235	13-Jul-95	21	7.2	0
5236	13-Jul-95	22	7.1	0
5237	13-Jul-95	23	7.1	0
5238	13-Jul-95	24	7.2	0
5239	13-Jul-95	25	7.2	0
5240	13-Jul-95	26	7.1	0
5241	13-Jul-95	27	7.2	0
5242	13-Jul-95	28	7.1	0
5243	13-Jul-95	29	7.1	0
5244	13-Jul-95	30	5.5	1
5245	13-Jul-95	31	4.5	1
5246	13-Jul-95	32	5.2	1
5247	13-Jul-95	33	4.8	1
5248	13-Jul-95	34	4.8	1
5249	13-Jul-95	35	5.7	1
5250	13-Jul-95	36	6.3	1
5251	13-Jul-95	37	6.5	1
5252	13-Jul-95	38	6	1
5253	13-Jul-95	39	6.2	1
5254	13-Jul-95	40	5.8	1
5255	13-Jul-95	41	6.3	1
5256	13-Jul-95	42	5.8	1
5257	13-Jul-95	43	5.6	1
5258	13-Jul-95	44	5.2	1
5259	13-Jul-95	45	5.5	1
5260	13-Jul-95	46	4.5	1
5261	13-Jul-95	47	5.8	1
5262	13-Jul-95	48	5.2	1
5263	13-Jul-95	49	4.5	1
5264	13-Jul-95	50	4.8	1
5265	13-Jul-95	51	4.48	1
5266	13-Jul-95	52	7.1	0
5267	13-Jul-95	53	7.3	0
5268	13-Jul-95	54	7.1	0
5269	13-Jul-95	55	7.2	0
5270	13-Jul-95	56	7.1	0
5271	13-Jul-95	57	7	0
5272	13-Jul-95	58	7.3	0
5273	13-Jul-95	59	7.2	0
5274	13-Jul-95	60	7.1	0
5275	13-Jul-95	61	7.4	0
5276	13-Jul-95	62	7.3	0
5277	13-Jul-95	63	7.1	0
5278	13-Jul-95	64	7.1	0
5279	13-Jul-95	65	7.1	0
5280	13-Jul-95	66	6.7	1
5281	13-Jul-95	67	6.2	1
5282	13-Jul-95	68	6.4	1
5283	13-Jul-95	69	6	1
5284	13-Jul-95	70	6.1	1
5285	13-Jul-95	71	5.8	1
5286	13-Jul-95	72	5.2	1
5287	13-Jul-95	73	4.4	1
5288	13-Jul-95	74	5.2	1
5289	13-Jul-95	75	5.7	1
5290	13-Jul-95	76	6.3	1
5291	13-Jul-95	77	7.5	0
5292	13-Jul-95	78	7.3	0
5293	13-Jul-95	79	7.5	0
5294	13-Jul-95	80	7.2	0
5295	13-Jul-95	81	7.3	0
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5297	13-Jul-95	83	7.5	0
5298	13-Jul-95	84	7.4	0
5299	13-Jul-95	85	7.2	0
5300	13-Jul-95	86	7.1	0
5301	14-Jul-95	1	7.1	0
5302	14-Jul-95	2	7	0
5303	14-Jul-95	3	7.4	0
5304	14-Jul-95	4	7.2	0
5305	14-Jul-95	5	7.4	0
5306	14-Jul-95	6	7.2	0
5307	14-Jul-95	7	7.1	0
5308	14-Jul-95	8	7.1	0
5309	14-Jul-95	9	7.4	0
5310	14-Jul-95	10	7.2	0
5311	14-Jul-95	11	7.3	0
5312	14-Jul-95	12	7.5	0
5313	14-Jul-95	13	7	0
5314	14-Jul-95	14	7.2	0
5315	14-Jul-95	15	7.1	0
5316	14-Jul-95	16	7.4	0
5317	14-Jul-95	17	7.5	0
5318	14-Jul-95	18	7.2	0
5319	14-Jul-95	19	4.1	1
5320	14-Jul-95	20	5.2	1
5321	14-Jul-95	21	4.8	1
5322	14-Jul-95	22	3.8	1
5323	14-Jul-95	23	4	1
5324	14-Jul-95	24	7.3	0
5325	14-Jul-95	25	7.3	0
5326	14-Jul-95	26	7.4	0
5327	14-Jul-95	27	7.2	0
5328	14-Jul-95	28	7.4	0
5329	14-Jul-95	29	7.2	0
5330	14-Jul-95	30	7.3	0
5331	14-Jul-95	31	7.2	0
5332	14-Jul-95	32	7.4	0
5333	14-Jul-95	33	7.3	0
5334	14-Jul-95	34	7.3	0
5335	14-Jul-95	35	7.2	0
5336	14-Jul-95	36	7.3	0
5337	14-Jul-95	37	7.4	0
5338	14-Jul-95	38	7.3	0
5339	14-Jul-95	39	7.2	0
5340	14-Jul-95	40	5.2	1
5341	14-Jul-95	41	6	1
5342	14-Jul-95	42	7.2	0
5343	14-Jul-95	43	7.4	0
5344	14-Jul-95	44	7.2	0
5345	14-Jul-95	45	7.4	0
5346	14-Jul-95	46	7.1	0
5347	14-Jul-95	47	7.2	0
5348	14-Jul-95	48	7.4	0
5349	14-Jul-95	49	7.1	0
5350	14-Jul-95	50	7.2	0
5351	14-Jul-95	51	7.1	0
5352	14-Jul-95	52	7.2	0
5353	14-Jul-95	53	7.3	0
5354	14-Jul-95	54	7.2	0
5355	14-Jul-95	55	7.2	0
5356	14-Jul-95	56	7.1	0
5357	14-Jul-95	57	7.4	0
5358	14-Jul-95	58	7.3	0
5359	14-Jul-95	59	7.2	0
5360	14-Jul-95	60	7.1	0
5361	14-Jul-95	61	7.1	0
5362	14-Jul-95	62	7	0
5363	14-Jul-95	63	7.1	0
5364	14-Jul-95	64	7	0
5365	14-Jul-95	65	7.1	0
5366	14-Jul-95	66	6.3	1
5367	14-Jul-95	67	4.2	1
5368	14-Jul-95	68	3.8	1
5369	14-Jul-95	69	7.1	0
5370	14-Jul-95	70	7.4	0
5371	14-Jul-95	71	7.3	0
5372	14-Jul-95	72	7.2	0
5373	14-Jul-95	73	3.9	1
5374	14-Jul-95	74	4.8	1
5375	14-Jul-95	75	4.6	1
5376	14-Jul-95	76	5	1
5377	14-Jul-95	77	7.4	0
5378	14-Jul-95	78	7.2	0
5379	14-Jul-95	79	7.1	0
5380	14-Jul-95	80	7.1	0
5381	14-Jul-95	81	7.2	0
5382	14-Jul-95	82	7	0
5383	14-Jul-95	83	7.2	0
5384	14-Jul-95	84	7.1	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
5385	14-Jul-95	85	7.4	0
5386	15-Jul-95	1	7.2	0
5387	15-Jul-95	2	7.1	0
5388	15-Jul-95	3	7.1	0
5389	15-Jul-95	4	7.4	0
5390	15-Jul-95	5	7.2	0
5391	15-Jul-95	6	7.1	0
5392	15-Jul-95	7	7.1	0
5393	15-Jul-95	8	7.2	0
5394	15-Jul-95	9	7.2	0
5395	15-Jul-95	10	7.4	0
5396	15-Jul-95	11	7.2	0
5397	15-Jul-95	12	7.2	0
5398	15-Jul-95	13	7.2	0
5399	15-Jul-95	14	7.4	0
5400	15-Jul-95	15	7.2	0
5401	15-Jul-95	16	7	0
5402	15-Jul-95	17	7.2	0
5403	15-Jul-95	18	7.2	0
5404	15-Jul-95	19	7.1	0
5405	15-Jul-95	20	7.4	0
5406	15-Jul-95	21	7.1	0
5407	15-Jul-95	22	7	0
5408	15-Jul-95	23	7.1	0
5409	15-Jul-95	24	7.2	0
5410	15-Jul-95	25	7.4	0
5411	15-Jul-95	26	7.3	0
5412	15-Jul-95	27	7.4	0
5413	15-Jul-95	28	7.2	0
5414	15-Jul-95	29	4.3	1
5415	15-Jul-95	30	5.2	1
5416	15-Jul-95	31	4.8	1
5417	15-Jul-95	32	4.6	1
5418	15-Jul-95	33	3.8	1
5419	15-Jul-95	34	4	1
5420	15-Jul-95	35	4.1	1
5421	15-Jul-95	36	3.2	1.5
5422	15-Jul-95	37	3.4	1.5
5423	15-Jul-95	38	2.9	1.5
5424	15-Jul-95	39	2.4	1.5
5425	15-Jul-95	40	2.4	1.5
5426	15-Jul-95	41	2.6	1.5
5427	15-Jul-95	42	2.4	1.5
5428	15-Jul-95	43	3.4	1.5
5429	15-Jul-95	44	3.2	1.5
5430	15-Jul-95	45	2.6	1.5
5431	15-Jul-95	46	2.8	1.5
5432	15-Jul-95	47	2.8	1.5
5433	15-Jul-95	48	2.6	1.5
5434	15-Jul-95	49	2.4	1.5
5435	15-Jul-95	50	2.8	1.5
5436	15-Jul-95	51	2.6	1.5
5437	15-Jul-95	52	6.3	1
5438	15-Jul-95	53	5.8	1
5439	15-Jul-95	54	5.4	1
5440	15-Jul-95	55	6	1
5441	15-Jul-95	56	4.8	1
5442	15-Jul-95	57	5.2	1
5443	15-Jul-95	58	5.8	1
5444	15-Jul-95	59	4.6	1
5445	15-Jul-95	60	4.3	1
5446	15-Jul-95	61	6.2	1
5447	15-Jul-95	62	3.8	1
5448	15-Jul-95	63	3.6	1
5449	15-Jul-95	64	4.1	1
5450	15-Jul-95	65	4.5	1
5451	15-Jul-95	66	3.4	1
5452	15-Jul-95	67	3	1
5453	15-Jul-95	68	2.8	1
5454	15-Jul-95	69	2.6	1
5455	15-Jul-95	70	2.4	1
5456	15-Jul-95	71	2.6	1
5457	15-Jul-95	72	4.6	1
5458	15-Jul-95	73	4.8	1
5459	15-Jul-95	74	4.2	1
5460	15-Jul-95	75	4.6	1
5461	15-Jul-95	76	4.6	1
5462	15-Jul-95	77	4.2	1
5463	15-Jul-95	78	5	1
5464	15-Jul-95	79	4.8	1
5465	15-Jul-95	80	5.2	1
5466	15-Jul-95	81	4.6	1
5467	15-Jul-95	82	3.8	1
5468	15-Jul-95	83	5	1
5469	15-Jul-95	84	4.8	1
5470	15-Jul-95	85	5.2	1
5471	16-Jul-95	1	3.8	1
5472	16-Jul-95	2	4.2	1
5473	16-Jul-95	3	4.1	1
5474	16-Jul-95	4	4.8	1
5475	16-Jul-95	5	5	1
5476	16-Jul-95	6	3.9	1
5477	16-Jul-95	7	4.1	1
5478	16-Jul-95	8	4.8	1
5479	16-Jul-95	9	4.6	1
5480	16-Jul-95	10	4.2	1
5481	16-Jul-95	11	4.1	1
5482	16-Jul-95	12	4.8	1
5483	16-Jul-95	13	5	1
5484	16-Jul-95	14	3.8	1
5485	16-Jul-95	15	4.1	1
5486	16-Jul-95	16	4	1
5487	16-Jul-95	17	3.9	1
5488	16-Jul-95	18	4	1
5489	16-Jul-95	19	4.1	1
5490	16-Jul-95	20	3.8	1
5491	16-Jul-95	21	4.2	1
5492	16-Jul-95	22	4.8	1
5493	16-Jul-95	23	4.6	1
5494	16-Jul-95	24	5.1	1
5495	16-Jul-95	25	5.3	1
5496	16-Jul-95	26	4.8	1
5497	16-Jul-95	27	5.1	1
5498	16-Jul-95	28	5.4	1
5499	16-Jul-95	29	4.8	1
5500	16-Jul-95	30	4.8	1
5501	16-Jul-95	31	5.4	1
5502	16-Jul-95	32	5.2	1
5503	16-Jul-95	33	4.8	1
5504	16-Jul-95	34	4.6	1
5505	16-Jul-95	35	4.8	1
5506	16-Jul-95	36	3.8	1
5507	16-Jul-95	37	4.1	1
5508	16-Jul-95	38	3.8	1
5509	16-Jul-95	39	4.2	1
5510	16-Jul-95	40	3.9	1
5511	16-Jul-95	41	4.8	1
5512	16-Jul-95	42	4.2	1
5513	16-Jul-95	43	3.9	1
5514	16-Jul-95	44	4.2	1
5515	16-Jul-95	45	3.7	1
5516	16-Jul-95	46	4.1	1
5517	16-Jul-95	47	4	1
5518	16-Jul-95	48	4.2	1
5519	16-Jul-95	49	4.1	1
5520	16-Jul-95	50	4.8	1
5521	16-Jul-95	51	4.6	1
5522	16-Jul-95	52	5.2	1
5523	16-Jul-95	53	5.1	1
5524	16-Jul-95	54	4.8	1
5525	16-Jul-95	55	3.7	1
5526	16-Jul-95	56	4.1	1
5527	16-Jul-95	57	4.1	1
5528	16-Jul-95	58	4.2	1
5529	16-Jul-95	59	4	1
5530	16-Jul-95	60	7.2	0
5531	16-Jul-95	61	7.4	0
5532	16-Jul-95	62	7.2	0
5533	16-Jul-95	63	7.1	0
5534	16-Jul-95	64	7.2	0
5535	16-Jul-95	65	6.7	1
5536	16-Jul-95	66	6.2	1
5537	16-Jul-95	67	6.2	1
5538	16-Jul-95	68	5.4	1
5539	16-Jul-95	69	5.7	1
5540	16-Jul-95	70	5	1
5541	16-Jul-95	71	6.3	1
5542	16-Jul-95	72	5.8	1
5543	16-Jul-95	73	5.7	1
5544	16-Jul-95	74	6.4	1
5545	16-Jul-95	75	6.8	1
5546	16-Jul-95	76	6.5	1
5547	16-Jul-95	77	6.3	1
5548	16-Jul-95	78	6.1	1
5549	16-Jul-95	79	5.5	1
5550	16-Jul-95	80	5.8	1
5551	16-Jul-95	81	6.2	1
5552	16-Jul-95	82	5	1
5553	16-Jul-95	83	4.6	1
5554	16-Jul-95	84	4.8	1
5555	16-Jul-95	85	4.6	1
5556	16-Jul-95	86	5.1	1
5557	16-Jul-95	87	6.1	1
5558	16-Jul-95	88	5.2	1
5559	16-Jul-95	89	5.4	1
5560	16-Jul-95	90	4.8	1
5561	16-Jul-95	91	4.2	1
5562	16-Jul-95	92	4.6	1
5563	16-Jul-95	93	4.2	1
5564	16-Jul-95	94	4.8	1
5565	16-Jul-95	95	4.3	1
5566	16-Jul-95	96	4.1	1
5567	16-Jul-95	97	4.4	1
5568	16-Jul-95	98	5.2	1
5569	16-Jul-95	99	4.8	1
5570	16-Jul-95	100	4.6	1
5571	16-Jul-95	101	6.2	1
5572	16-Jul-95	102	5.8	1
5573	16-Jul-95	103	6.1	1
5574	16-Jul-95	104	6	1
5575	16-Jul-95	105	5.8	1
5576	16-Jul-95	106	5.2	1

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
5577	16-Jul-95	107	4.8	1
5578	16-Jul-95	108	5.2	1
5579	17-Jul-95	1	6.1	1
5580	17-Jul-95	2	5.8	1
5581	17-Jul-95	3	4.8	1
5582	17-Jul-95	4	5.2	1
5583	17-Jul-95	5	5.1	1
5584	17-Jul-95	6	4.9	1
5585	17-Jul-95	7	5.1	1
5586	17-Jul-95	8	6.3	1
5587	17-Jul-95	9	5.8	1
5588	17-Jul-95	10	6	1
5589	17-Jul-95	11	6.4	1
5590	17-Jul-95	12	6.2	1
5591	17-Jul-95	13	5.2	1
5592	17-Jul-95	14	5.4	1
5593	17-Jul-95	15	4.8	1
5594	17-Jul-95	16	5.1	1
5595	17-Jul-95	17	5.7	1
5596	17-Jul-95	18	5.8	1
5597	17-Jul-95	19	6.4	1
5598	17-Jul-95	20	6.8	1
5599	17-Jul-95	21	6.3	1
5600	17-Jul-95	22	6.2	1
5601	17-Jul-95	23	5.3	1
5602	17-Jul-95	24	5.4	1
5603	17-Jul-95	25	5.8	1
5604	17-Jul-95	26	5.8	1
5605	17-Jul-95	27	5.9	1
5606	17-Jul-95	28	6.3	1
5607	17-Jul-95	29	6.5	1
5608	17-Jul-95	30	6.7	1
5609	17-Jul-95	31	6.1	1
5610	17-Jul-95	32	5.2	1
5611	17-Jul-95	33	5.8	1
5612	17-Jul-95	34	6.2	1
5613	17-Jul-95	35	4.8	1
5614	17-Jul-95	36	4.48	1
5615	17-Jul-95	37	4.6	1
5616	17-Jul-95	38	5.2	1
5617	17-Jul-95	39	5.4	1
5618	17-Jul-95	40	5.8	1
5619	17-Jul-95	41	6.3	1
5620	17-Jul-95	42	6.7	1
5621	17-Jul-95	43	6.2	1
5622	17-Jul-95	44	5.7	1
5623	17-Jul-95	45	5.8	1
5624	17-Jul-95	46	5.6	1
5625	17-Jul-95	47	4.3	1
5626	17-Jul-95	48	6.3	1
5627	17-Jul-95	49	6.8	1
5628	17-Jul-95	50	7.2	0
5629	17-Jul-95	51	7	0
5630	17-Jul-95	52	6.9	0
5631	17-Jul-95	53	7.1	0
5632	17-Jul-95	54	6.8	0
5633	17-Jul-95	55	7.1	0
5634	17-Jul-95	56	7.2	0
5635	17-Jul-95	57	7.2	0
5636	17-Jul-95	58	7.1	0
5637	17-Jul-95	59	7	0
5638	17-Jul-95	60	7	0
5639	17-Jul-95	61	7.3	0
5640	17-Jul-95	62	7.2	0
5641	17-Jul-95	63	7.2	0
5642	17-Jul-95	64	7.1	0
5643	17-Jul-95	65	6.8	0
5644	17-Jul-95	66	7.2	0
5645	17-Jul-95	67	7	0
5646	17-Jul-95	68	6.9	0
5647	17-Jul-95	69	7	0
5648	17-Jul-95	70	7.2	0
5649	17-Jul-95	71	7.3	0
5650	17-Jul-95	72	7	0
5651	17-Jul-95	73	6.9	0
5652	17-Jul-95	74	6.8	0
5653	17-Jul-95	75	7.1	0
5654	17-Jul-95	76	7	0
5655	17-Jul-95	77	7.2	0
5656	17-Jul-95	78	7.1	0
5657	17-Jul-95	79	7.2	0
5658	17-Jul-95	80	7.1	0
5659	17-Jul-95	81	7	0
5660	17-Jul-95	82	7	0
5661	17-Jul-95	83	7.2	0
5662	17-Jul-95	84	7.1	0
5663	17-Jul-95	85	7	0
5664	17-Jul-95	86	6.9	0
5665	17-Jul-95	87	7.2	0
5666	17-Jul-95	88	6.8	0
5667	17-Jul-95	89	7.2	0
5668	17-Jul-95	90	7.2	0
5669	17-Jul-95	91	7.2	0
5670	17-Jul-95	92	7.4	0
5671	17-Jul-95	93	7	0
5672	17-Jul-95	94	7.1	0
5673	17-Jul-95	95	7.3	0
5674	17-Jul-95	96	7.2	0
5675	17-Jul-95	97	7.4	0
5676	17-Jul-95	98	7.1	0
5677	17-Jul-95	99	7.2	0
5678	18-Jul-95	1	7.1	0
5679	18-Jul-95	2	6.9	0
5680	18-Jul-95	3	7.2	0
5681	18-Jul-95	4	7	0
5682	18-Jul-95	5	7.2	0
5683	18-Jul-95	6	7	0
5684	18-Jul-95	7	7.1	0
5685	18-Jul-95	8	7	0
5686	18-Jul-95	9	6.8	0
5687	18-Jul-95	10	7.2	0
5688	18-Jul-95	11	7.1	0
5689	18-Jul-95	12	7.1	0
5690	18-Jul-95	13	7	0
5691	18-Jul-95	14	6.8	1
5692	18-Jul-95	15	6.7	1
5693	18-Jul-95	16	6.3	1
5694	18-Jul-95	17	6.6	1
5695	18-Jul-95	18	6.2	1
5696	18-Jul-95	19	6.4	1
5697	18-Jul-95	20	6.2	1
5698	18-Jul-95	21	6.5	1
5699	18-Jul-95	22	5.8	1
5700	18-Jul-95	23	6.2	1
5701	18-Jul-95	24	7	0
5702	18-Jul-95	25	7.2	0
5703	18-Jul-95	26	7.2	0
5704	18-Jul-95	27	4.1	1
5705	18-Jul-95	28	4.8	1
5706	18-Jul-95	29	5.2	1
5707	18-Jul-95	30	4.6	1
5708	18-Jul-95	31	6.2	1
5709	18-Jul-95	32	5.2	1
5710	18-Jul-95	33	4.8	1
5711	18-Jul-95	34	6.1	1
5712	18-Jul-95	35	5.8	1
5713	18-Jul-95	36	6.2	1
5714	18-Jul-95	37	5.4	1
5715	18-Jul-95	38	5.8	1
5716	18-Jul-95	39	6	1
5717	18-Jul-95	40	6.1	1
5718	18-Jul-95	41	7.2	0
5719	18-Jul-95	42	7.1	0
5720	18-Jul-95	43	7.2	0
5721	18-Jul-95	44	5.2	1
5722	18-Jul-95	45	4.3	1
5723	18-Jul-95	46	5.1	1
5724	18-Jul-95	47	5.6	1
5725	18-Jul-95	48	4.8	1
5726	18-Jul-95	49	6.8	1
5727	18-Jul-95	50	6.2	1
5728	18-Jul-95	51	6.4	1
5729	18-Jul-95	52	5.2	1
5730	18-Jul-95	53	5.4	1
5731	18-Jul-95	54	7.2	0
5732	18-Jul-95	55	7	0
5733	18-Jul-95	56	7.2	0
5734	18-Jul-95	57	7.3	0
5735	18-Jul-95	58	7.1	0
5736	18-Jul-95	59	7	0
5737	18-Jul-95	60	6.9	0
5738	18-Jul-95	61	7.1	0
5739	18-Jul-95	62	6.9	0
5740	18-Jul-95	63	6.8	0
5741	18-Jul-95	64	6.7	1
5742	18-Jul-95	65	5.2	1
5743	18-Jul-95	66	5.6	1
5744	18-Jul-95	67	6.7	1
5745	18-Jul-95	68	6.3	1
5746	18-Jul-95	69	6.2	1
5747	18-Jul-95	70	5.4	1
5748	18-Jul-95	71	5.2	1
5749	18-Jul-95	72	6	1
5750	18-Jul-95	73	5.8	1
5751	18-Jul-95	74	5.2	1
5752	18-Jul-95	75	5.4	1
5753	18-Jul-95	76	5.2	1
5754	18-Jul-95	77	5	1
5755	18-Jul-95	78	4.8	1
5756	18-Jul-95	79	4.9	1
5757	18-Jul-95	80	5.8	1
5758	18-Jul-95	81	5.2	1
5759	18-Jul-95	82	6.1	1
5760	18-Jul-95	83	6	1
5761	18-Jul-95	84	5.7	1
5762	18-Jul-95	85	5.8	1
5763	18-Jul-95	86	6.8	1
5764	18-Jul-95	87	6.3	1
5765	19-Jul-95	1	7.1	0
5766	19-Jul-95	2	7	0
5767	19-Jul-95	3	7.2	0
5768	19-Jul-95	4	6.8	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
5769	19-Jul-95	5	7	0
5770	19-Jul-95	6	6.7	1
5771	19-Jul-95	7	6.3	1
5772	19-Jul-95	8	5.4	1
5773	19-Jul-95	9	6.2	1
5774	19-Jul-95	10	6	1
5775	19-Jul-95	11	5.8	1
5776	19-Jul-95	12	6.2	1
5777	19-Jul-95	13	6.7	1
5778	19-Jul-95	14	6.3	1
5779	19-Jul-95	15	5.7	1
5780	19-Jul-95	16	5.2	1
5781	19-Jul-95	17	5.8	1
5782	19-Jul-95	18	5.4	1
5783	19-Jul-95	19	6.3	1
5784	19-Jul-95	20	6.1	1
5785	19-Jul-95	21	6.2	1
5786	19-Jul-95	22	5.2	1
5787	19-Jul-95	23	5.8	1
5788	19-Jul-95	24	4.8	1
5789	19-Jul-95	25	5.6	1
5790	19-Jul-95	26	7.3	0
5791	19-Jul-95	27	7	0
5792	19-Jul-95	28	7.1	0
5793	19-Jul-95	29	7.1	0
5794	19-Jul-95	30	7.2	0
5795	19-Jul-95	31	7.1	0
5796	19-Jul-95	32	7.1	0
5797	19-Jul-95	33	7.3	0
5798	19-Jul-95	34	7.2	0
5799	19-Jul-95	35	7	0
5800	19-Jul-95	36	7.1	0
5801	19-Jul-95	37	7	0
5802	19-Jul-95	38	7.3	0
5803	19-Jul-95	39	7.2	0
5804	19-Jul-95	40	6.9	1
5805	19-Jul-95	41	6.8	1
5806	19-Jul-95	42	6.4	1
5807	19-Jul-95	43	6.3	1
5808	19-Jul-95	44	6	1
5809	19-Jul-95	45	6.5	1
5810	19-Jul-95	46	7.2	0
5811	19-Jul-95	47	7.1	0
5812	19-Jul-95	48	7.3	0
5813	19-Jul-95	49	7	0
5814	19-Jul-95	50	7.4	0
5815	19-Jul-95	51	7	0
5816	19-Jul-95	52	7.1	0
5817	19-Jul-95	53	7.1	0
5818	19-Jul-95	54	7.4	0
5819	19-Jul-95	55	7.2	0
5820	19-Jul-95	56	7.3	0
5821	19-Jul-95	57	7.2	0
5822	19-Jul-95	58	7.1	0
5823	19-Jul-95	59	7.4	0
5824	19-Jul-95	60	7	0
5825	19-Jul-95	61	6.2	1
5826	19-Jul-95	62	6.6	1
5827	19-Jul-95	63	5.8	1
5828	19-Jul-95	64	5.7	1
5829	19-Jul-95	65	6	1
5830	19-Jul-95	66	7.2	0
5831	19-Jul-95	67	7.3	0
5832	19-Jul-95	68	7	0
5833	19-Jul-95	69	7.4	0
5834	19-Jul-95	70	7.2	0
5835	19-Jul-95	71	7.3	0
5836	19-Jul-95	72	7.1	0
5837	19-Jul-95	73	7.4	0
5838	19-Jul-95	74	7.2	0
5839	19-Jul-95	75	7	0
5840	19-Jul-95	76	7.4	0
5841	19-Jul-95	77	7.3	0
5842	19-Jul-95	78	7.4	0
5843	19-Jul-95	79	7	0
5844	19-Jul-95	80	7.1	0
5845	19-Jul-95	81	7.2	0
5846	19-Jul-95	82	7.4	0
5847	19-Jul-95	83	7.4	0
5848	19-Jul-95	84	7.3	0
5849	19-Jul-95	85	7.1	0
5850	19-Jul-95	86	7.3	0
5851	19-Jul-95	87	7.1	0
5852	19-Jul-95	88	7.1	0
5853	19-Jul-95	89	7.2	0
5854	19-Jul-95	90	7.2	0
5855	19-Jul-95	91	7.4	0
5856	19-Jul-95	92	7.3	0
5857	19-Jul-95	93	7.1	0
5858	19-Jul-95	94	7.4	0
5859	19-Jul-95	95	7.6	0
5860	19-Jul-95	96	7.4	0
5861	19-Jul-95	97	7.3	0
5862	19-Jul-95	98	7.1	0
5863	19-Jul-95	99	7	0
5864	19-Jul-95	100	7.3	0
5865	20-Jul-95	1	7.4	0
5866	20-Jul-95	2	7.2	0
5867	20-Jul-95	3	7.1	0
5868	20-Jul-95	4	7.4	0
5869	20-Jul-95	5	7.3	0
5870	20-Jul-95	6	7.4	0
5871	20-Jul-95	7	7.3	0
5872	20-Jul-95	8	7.2	0
5873	20-Jul-95	9	7.3	0
5874	20-Jul-95	10	7	0
5875	20-Jul-95	11	7.2	0
5876	20-Jul-95	12	7.4	0
5877	20-Jul-95	13	7	0
5878	20-Jul-95	14	7	0
5879	20-Jul-95	15	7.1	0
5880	20-Jul-95	16	7.3	0
5881	20-Jul-95	17	7.1	0
5882	20-Jul-95	18	7.2	0
5883	20-Jul-95	19	7.5	0
5884	20-Jul-95	20	7.4	0
5885	20-Jul-95	21	7	0
5886	20-Jul-95	22	7.3	0
5887	20-Jul-95	23	7.2	0
5888	20-Jul-95	24	7.2	0
5889	20-Jul-95	25	7.1	0
5890	20-Jul-95	26	7	0
5891	20-Jul-95	27	7.2	0
5892	20-Jul-95	28	7.3	0
5893	20-Jul-95	29	7.4	0
5894	20-Jul-95	30	7.1	0
5895	20-Jul-95	31	7.4	0
5896	20-Jul-95	32	7.1	0
5897	20-Jul-95	33	7.2	0
5898	20-Jul-95	34	7	0
5899	20-Jul-95	35	7.2	0
5900	20-Jul-95	36	7.4	0
5901	20-Jul-95	37	7.1	0
5902	20-Jul-95	38	7	0
5903	20-Jul-95	39	7.1	0
5904	20-Jul-95	40	7.2	0
5905	20-Jul-95	41	7.5	0
5906	20-Jul-95	42	7.2	0
5907	20-Jul-95	43	7.1	0
5908	20-Jul-95	44	7.5	0
5909	20-Jul-95	45	7.3	0
5910	20-Jul-95	46	7.5	0
5911	20-Jul-95	47	7.5	0
5912	20-Jul-95	48	7.5	0
5913	20-Jul-95	49	7.5	0
5914	20-Jul-95	50	7.5	0
5915	20-Jul-95	51	7.3	0
5916	20-Jul-95	52	7.3	0
5917	20-Jul-95	53	7.3	0
5918	20-Jul-95	54	7.3	0
5919	20-Jul-95	55	7.3	0
5920	20-Jul-95	56	7.6	0
5921	20-Jul-95	57	7.6	0
5922	20-Jul-95	58	7.6	0
5923	20-Jul-95	59	7.6	0
5924	20-Jul-95	60	7.6	0
5925	20-Jul-95	61	7.4	0
5926	20-Jul-95	62	7.4	0
5927	20-Jul-95	63	7.4	0
5928	20-Jul-95	64	7.4	0
5929	20-Jul-95	65	7.4	0
5930	20-Jul-95	66	7.2	0
5931	20-Jul-95	67	7.2	0
5932	20-Jul-95	68	7.2	0
5933	20-Jul-95	69	7.2	0
5934	20-Jul-95	70	7.2	0
5935	20-Jul-95	71	7.1	0
5936	20-Jul-95	72	7.1	0
5937	20-Jul-95	73	7.1	0
5938	20-Jul-95	74	7.1	0
5939	20-Jul-95	75	7.1	0
5940	20-Jul-95	76	7.5	0
5941	20-Jul-95	77	7.5	0
5942	20-Jul-95	78	7.5	0
5943	20-Jul-95	79	7.5	0
5944	20-Jul-95	80	7.5	0
5945	20-Jul-95	81	7.1	0
5946	20-Jul-95	82	7.1	0
5947	20-Jul-95	83	7.1	0
5948	20-Jul-95	84	7.1	0
5949	20-Jul-95	85	7.1	0
5950	20-Jul-95	86	7.4	0
5951	20-Jul-95	87	7.4	0
5952	20-Jul-95	88	7.4	0
5953	20-Jul-95	89	7.4	0
5954	20-Jul-95	90	7.4	0
5955	20-Jul-95	91	7.4	0
5956	20-Jul-95	92	7.4	0
5957	20-Jul-95	93	7.4	0
5958	20-Jul-95	94	7.4	0
5959	20-Jul-95	95	7.4	0
5960	20-Jul-95	96	7.2	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
5961	20-Jul-95	97	7.2	0
5962	20-Jul-95	98	7.2	0
5963	20-Jul-95	99	7.2	0
5964	20-Jul-95	100	7.2	0
5965	21-Jul-95	1	7.2	0
5966	21-Jul-95	2	7.2	0
5967	21-Jul-95	3	7.2	0
5968	21-Jul-95	4	7.2	0
5969	21-Jul-95	5	7.2	0
5970	21-Jul-95	6	7.5	0
5971	21-Jul-95	7	7.5	0
5972	21-Jul-95	8	7.5	0
5973	21-Jul-95	9	7.5	0
5974	21-Jul-95	10	7.5	0
5975	21-Jul-95	11	7.3	0
5976	21-Jul-95	12	7.3	0
5977	21-Jul-95	13	7.3	0
5978	21-Jul-95	14	7.3	0
5979	21-Jul-95	15	7.3	0
5980	21-Jul-95	16	7.1	0
5981	21-Jul-95	17	7.1	0
5982	21-Jul-95	18	7.1	0
5983	21-Jul-95	19	7.1	0
5984	21-Jul-95	20	7.1	0
5985	21-Jul-95	21	7.2	0
5986	21-Jul-95	22	7.2	0
5987	21-Jul-95	23	7.2	0
5988	21-Jul-95	24	7.2	0
5989	21-Jul-95	25	7.2	0
5990	21-Jul-95	26	7.3	0
5991	21-Jul-95	27	7.3	0
5992	21-Jul-95	28	7.3	0
5993	21-Jul-95	29	7.3	0
5994	21-Jul-95	30	7.3	0
5995	21-Jul-95	31	7.2	0
5996	21-Jul-95	32	7.2	0
5997	21-Jul-95	33	7.2	0
5998	21-Jul-95	34	7.2	0
5999	21-Jul-95	35	7.1	0
6000	21-Jul-95	36	7.1	0
6001	21-Jul-95	37	7.1	0
6002	21-Jul-95	38	7.1	0
6003	21-Jul-95	39	7.5	0
6004	21-Jul-95	40	7.5	0
6005	21-Jul-95	41	7.5	0
6006	21-Jul-95	42	7.5	0
6007	21-Jul-95	43	7.3	0
6008	21-Jul-95	44	7.3	0
6009	21-Jul-95	45	7.3	0
6010	21-Jul-95	46	7.3	0
6011	21-Jul-95	47	7.1	0
6012	21-Jul-95	48	7.1	0
6013	21-Jul-95	49	7.1	0
6014	21-Jul-95	50	7.1	0
6015	21-Jul-95	51	7.3	0
6016	21-Jul-95	52	7.3	0
6017	21-Jul-95	53	7.3	0
6018	21-Jul-95	54	7.3	0
6019	21-Jul-95	55	7.3	0
6020	21-Jul-95	56	7.5	0
6021	21-Jul-95	57	7.5	0
6022	21-Jul-95	58	7.5	0
6023	21-Jul-95	59	7.5	0
6024	21-Jul-95	60	7.5	0
6025	23-Jul-95	1	7.3	0
6026	23-Jul-95	2	7.3	0
6027	23-Jul-95	3	7.3	0
6028	23-Jul-95	4	7.3	0
6029	23-Jul-95	5	7.5	0
6030	23-Jul-95	6	7.5	0
6031	23-Jul-95	7	7.5	0
6032	23-Jul-95	8	7.5	0
6033	23-Jul-95	9	7.4	0
6034	23-Jul-95	10	7.4	0
6035	23-Jul-95	11	7.4	0
6036	23-Jul-95	12	7.4	0
6037	23-Jul-95	13	5	0.75
6038	23-Jul-95	14	5	0.75
6039	23-Jul-95	15	5	0.75
6040	23-Jul-95	16	5	0.75
6041	23-Jul-95	17	5.1	0.75
6042	23-Jul-95	18	5.1	0.75
6043	23-Jul-95	19	5.1	0.75
6044	23-Jul-95	20	5.1	0.75
6045	23-Jul-95	21	4.7	0.75
6046	23-Jul-95	22	4.7	0.75
6047	23-Jul-95	23	4.7	0.75
6048	23-Jul-95	24	4.7	0.75
6049	23-Jul-95	25	3.5	0.75
6050	23-Jul-95	26	3.5	0.75
6051	23-Jul-95	27	3.5	0.75
6052	23-Jul-95	28	3.5	0.75
6053	23-Jul-95	29	3	1
6054	23-Jul-95	30	3	1
6055	23-Jul-95	31	3	1
6056	23-Jul-95	32	3.2	1
6057	23-Jul-95	33	3.2	1
6058	23-Jul-95	34	3.2	1
6059	23-Jul-95	35	3.2	1
6060	23-Jul-95	36	3.5	0.75
6061	23-Jul-95	37	3.5	0.75
6062	23-Jul-95	38	3.5	0.75
6063	23-Jul-95	39	3.5	0.75
6064	23-Jul-95	40	5	0.75
6065	23-Jul-95	41	5	0.75
6066	23-Jul-95	42	5	0.75
6067	23-Jul-95	43	5	0.75
6068	23-Jul-95	44	5	0.75
6069	23-Jul-95	45	5.4	0.75
6070	23-Jul-95	46	5.4	0.75
6071	23-Jul-95	47	5.4	0.75
6072	23-Jul-95	48	5.4	0.75
6073	23-Jul-95	49	5.1	0.75
6074	23-Jul-95	50	5.1	0.75
6075	23-Jul-95	51	5.1	0.75
6076	23-Jul-95	52	5.1	0.75
6077	23-Jul-95	53	5.1	0.75
6078	23-Jul-95	54	5.6	0.75
6079	23-Jul-95	55	5.6	0.75
6080	23-Jul-95	56	5.6	0.75
6081	23-Jul-95	57	5.6	0.75
6082	23-Jul-95	58	5.7	0.75
6083	23-Jul-95	59	5.7	0.75
6084	23-Jul-95	60	5.7	0.75
6085	23-Jul-95	61	5.7	0.75
6086	23-Jul-95	62	5.7	0.75
6087	23-Jul-95	63	7.1	0
6088	23-Jul-95	64	7.1	0
6089	23-Jul-95	65	7.1	0
6090	23-Jul-95	66	7.1	0
6091	23-Jul-95	67	7.1	0
6092	23-Jul-95	68	6.7	0.75
6093	23-Jul-95	69	6.7	0.75
6094	23-Jul-95	70	6.7	0.75
6095	23-Jul-95	71	6.7	0.75
6096	23-Jul-95	72	6.7	0.75
6097	23-Jul-95	73	7.2	0
6098	23-Jul-95	74	7.2	0
6099	23-Jul-95	75	7.2	0
6100	23-Jul-95	76	7.2	0
6101	23-Jul-95	77	7.2	0
6102	23-Jul-95	78	7.4	0
6103	23-Jul-95	79	7.4	0
6104	23-Jul-95	80	7.4	0
6105	23-Jul-95	81	7.4	0
6106	23-Jul-95	82	7.4	0
6107	23-Jul-95	83	7	0
6108	23-Jul-95	84	7	0
6109	23-Jul-95	85	7	0
6110	23-Jul-95	86	7	0
6111	23-Jul-95	87	7	0
6112	23-Jul-95	88	7	0
6113	23-Jul-95	89	7.2	0
6114	23-Jul-95	90	7.2	0
6115	23-Jul-95	91	7.2	0
6116	23-Jul-95	92	7.2	0
6117	23-Jul-95	93	7.2	0
6118	24-Jul-95	1	7.4	0
6119	24-Jul-95	2	7.4	0
6120	24-Jul-95	3	7.4	0
6121	24-Jul-95	4	7.4	0
6122	24-Jul-95	5	7.4	0
6123	24-Jul-95	6	6.8	0.75
6124	24-Jul-95	7	6.8	0.75
6125	24-Jul-95	8	6.8	0.75
6126	24-Jul-95	9	6.8	0.75
6127	24-Jul-95	10	6.8	0.75
6128	24-Jul-95	11	7	0
6129	24-Jul-95	12	7	0
6130	24-Jul-95	13	7	0
6131	24-Jul-95	14	7	0
6132	24-Jul-95	15	7	0
6133	24-Jul-95	16	7.3	0
6134	24-Jul-95	17	7.3	0
6135	24-Jul-95	18	7.3	0
6136	24-Jul-95	19	7.3	0
6137	24-Jul-95	20	7.3	0
6138	24-Jul-95	21	7.1	0
6139	24-Jul-95	22	7.1	0
6140	24-Jul-95	23	7.1	0
6141	24-Jul-95	24	7.1	0
6142	24-Jul-95	25	7.1	0
6143	24-Jul-95	26	7.5	0
6144	24-Jul-95	27	7.5	0
6145	24-Jul-95	28	7.5	0
6146	24-Jul-95	29	7.5	0
6147	24-Jul-95	30	7.5	0
6148	24-Jul-95	31	7.6	0
6149	24-Jul-95	32	7.6	0
6150	24-Jul-95	33	7.6	0
6151	24-Jul-95	34	7.6	0
6152	24-Jul-95	35	7.6	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
6153	24-Jul-95	36	7.4	0
6154	24-Jul-95	37	7.4	0
6155	24-Jul-95	38	7.4	0
6156	24-Jul-95	39	7.4	0
6157	24-Jul-95	40	7.4	0
6158	24-Jul-95	41	7.6	0
6159	24-Jul-95	42	7.6	0
6160	24-Jul-95	43	7.6	0
6161	24-Jul-95	44	7.6	0
6162	24-Jul-95	45	7.6	0
6163	24-Jul-95	46	7.3	0
6164	24-Jul-95	47	7.3	0
6165	24-Jul-95	48	7.3	0
6166	24-Jul-95	49	7.3	0
6167	24-Jul-95	50	7.3	0
6168	24-Jul-95	51	7.1	0
6169	24-Jul-95	52	7.1	0
6170	24-Jul-95	53	7.1	0
6171	24-Jul-95	54	7.1	0
6172	24-Jul-95	55	7.1	0
6173	24-Jul-95	56	7.5	0
6174	24-Jul-95	57	7.5	0
6175	24-Jul-95	58	7.5	0
6176	24-Jul-95	59	7.5	0
6177	24-Jul-95	60	7.5	0
6178	24-Jul-95	61	6.7	0.75
6179	24-Jul-95	62	6.7	0.75
6180	24-Jul-95	63	6.7	0.75
6181	24-Jul-95	64	6.7	0.75
6182	24-Jul-95	65	6.7	0.75
6183	24-Jul-95	66	6.5	0.75
6184	24-Jul-95	67	6.5	0.75
6185	24-Jul-95	68	6.5	0.75
6186	24-Jul-95	69	6.5	0.75
6187	24-Jul-95	70	6.5	0.75
6188	24-Jul-95	71	5.6	0.75
6189	24-Jul-95	72	5.6	0.75
6190	24-Jul-95	73	5.6	0.75
6191	24-Jul-95	74	5.6	0.75
6192	24-Jul-95	75	5.6	0.75
6193	24-Jul-95	76	7.4	0
6194	24-Jul-95	77	7.4	0
6195	24-Jul-95	78	7.4	0
6196	24-Jul-95	79	7.4	0
6197	24-Jul-95	80	7.4	0
6198	24-Jul-95	81	7.3	0
6199	24-Jul-95	82	7.3	0
6200	24-Jul-95	83	7.3	0
6201	24-Jul-95	84	7.3	0
6202	24-Jul-95	85	7.3	0
6203	24-Jul-95	86	7.6	0
6204	24-Jul-95	87	7.6	0
6205	24-Jul-95	88	7.6	0
6206	24-Jul-95	89	7.6	0
6207	24-Jul-95	90	7.6	0
6208	24-Jul-95	91	7.8	0
6209	24-Jul-95	92	7.8	0
6210	24-Jul-95	93	7.8	0
6211	24-Jul-95	94	7.8	0
6212	24-Jul-95	95	7.8	0
6213	24-Jul-95	96	7.4	0
6214	24-Jul-95	97	7.4	0
6215	24-Jul-95	98	7.4	0
6216	24-Jul-95	99	7.4	0
6217	24-Jul-95	100	7.4	0
6218	25-Jul-95	1	7.1	0
6219	25-Jul-95	2	7.1	0
6220	25-Jul-95	3	7.1	0
6221	25-Jul-95	4	7.1	0
6222	25-Jul-95	5	7.1	0
6223	25-Jul-95	6	7.6	0
6224	25-Jul-95	7	7.6	0
6225	25-Jul-95	8	7.6	0
6226	25-Jul-95	9	7.7	0
6227	25-Jul-95	10	7.7	0
6228	25-Jul-95	11	7.7	0
6229	25-Jul-95	12	7.7	0
6230	25-Jul-95	13	7.7	0
6231	25-Jul-95	14	7.4	0
6232	25-Jul-95	15	7.4	0
6233	25-Jul-95	16	7.4	0
6234	25-Jul-95	17	7.4	0
6235	25-Jul-95	18	7.6	0
6236	25-Jul-95	19	7.6	0
6237	25-Jul-95	20	7.6	0
6238	25-Jul-95	21	7.6	0
6239	25-Jul-95	22	7.6	0
6240	25-Jul-95	23	7.2	0
6241	25-Jul-95	24	7.2	0
6242	25-Jul-95	25	7.2	0
6243	25-Jul-95	26	7.2	0
6244	25-Jul-95	27	7.2	0
6245	25-Jul-95	28	7.4	0
6246	25-Jul-95	29	7.4	0
6247	25-Jul-95	30	7.4	0
6248	25-Jul-95	31	7.4	0
6249	25-Jul-95	32	7.4	0
6250	25-Jul-95	33	7.4	0
6251	25-Jul-95	34	7.3	0
6252	25-Jul-95	35	7.3	0
6253	25-Jul-95	36	7.3	0
6254	25-Jul-95	37	7.3	0
6255	25-Jul-95	38	7.3	0
6256	25-Jul-95	39	7.6	0
6257	25-Jul-95	40	7.6	0
6258	25-Jul-95	41	7.6	0
6259	25-Jul-95	42	7.6	0
6260	25-Jul-95	43	7.6	0
6261	25-Jul-95	44	7.6	0
6262	25-Jul-95	45	7.2	0
6263	25-Jul-95	46	7.2	0
6264	25-Jul-95	47	7.2	0
6265	25-Jul-95	48	7.2	0
6266	25-Jul-95	49	7.2	0
6267	25-Jul-95	50	7.4	0
6268	25-Jul-95	51	7.4	0
6269	25-Jul-95	52	7.4	0
6270	25-Jul-95	53	7.4	0
6271	25-Jul-95	54	7.4	0
6272	25-Jul-95	55	7.4	0
6273	25-Jul-95	56	7.6	0
6274	25-Jul-95	57	7.6	0
6275	25-Jul-95	58	7.6	0
6276	25-Jul-95	59	7.6	0
6277	25-Jul-95	60	7.6	0
6278	25-Jul-95	61	7.9	0
6279	25-Jul-95	62	7.9	0
6280	25-Jul-95	63	7.9	0
6281	25-Jul-95	64	7.9	0
6282	25-Jul-95	65	7.9	0
6283	25-Jul-95	66	7.9	0
6284	25-Jul-95	67	7.6	0
6285	25-Jul-95	68	7.6	0
6286	25-Jul-95	69	7.6	0
6287	25-Jul-95	70	7.6	0
6288	25-Jul-95	71	7.6	0
6289	25-Jul-95	72	7.8	0
6290	25-Jul-95	73	7.8	0
6291	25-Jul-95	74	7.8	0
6292	25-Jul-95	75	7.8	0
6293	25-Jul-95	76	7.8	0
6294	25-Jul-95	77	7.8	0
6295	25-Jul-95	78	7.6	0
6296	25-Jul-95	79	7.6	0
6297	25-Jul-95	80	7.6	0
6298	25-Jul-95	81	7.6	0
6299	25-Jul-95	82	7.6	0
6300	25-Jul-95	83	7.9	0
6301	25-Jul-95	84	7.9	0
6302	25-Jul-95	85	7.9	0
6303	25-Jul-95	86	7.9	0
6304	25-Jul-95	87	7.9	0
6305	25-Jul-95	88	7.5	0
6306	25-Jul-95	89	7.5	0
6307	25-Jul-95	90	7.5	0
6308	25-Jul-95	91	7.5	0
6309	25-Jul-95	92	7.5	0
6310	25-Jul-95	93	7.2	0
6311	25-Jul-95	94	7.2	0
6312	25-Jul-95	95	7.2	0
6313	25-Jul-95	96	7.2	0
6314	25-Jul-95	97	7.2	0
6315	25-Jul-95	98	7.3	0
6316	25-Jul-95	99	7.3	0
6317	25-Jul-95	100	7.3	0
6318	25-Jul-95	101	7.3	0
6319	25-Jul-95	102	7.3	0
6320	26-Jul-95	1		
6321	26-Jul-95	2		
6322	26-Jul-95	3		
6323	26-Jul-95	4		
6324	26-Jul-95	5		
6325	26-Jul-95	6		
6326	26-Jul-95	7		
6327	26-Jul-95	8		
6328	26-Jul-95	9		
6329	26-Jul-95	10		
6330	26-Jul-95	11		
6331	26-Jul-95	12		
6332	26-Jul-95	13		
6333	26-Jul-95	14		
6334	26-Jul-95	15		
6335	26-Jul-95	16		
6336	26-Jul-95	17	7.7	0
6337	26-Jul-95	18	7.7	0
6338	26-Jul-95	19	7.7	0
6339	26-Jul-95	20	7.7	0
6340	26-Jul-95	21	7.7	0
6341	26-Jul-95	22	7.7	0
6342	26-Jul-95	23	7.5	0
6343	26-Jul-95	24	7.5	0
6344	26-Jul-95	25	7.5	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
6345	26-Jul-95	26	7.5	0
6346	26-Jul-95	27	7.5	0
6347	26-Jul-95	28	7.5	0
6348	26-Jul-95	29	7.4	0
6349	26-Jul-95	30	7.4	0
6350	26-Jul-95	31	7.4	0
6351	26-Jul-95	32	7.4	0
6352	26-Jul-95	33	7.4	0
6353	26-Jul-95	34	7.4	0
6354	26-Jul-95	35	7.2	0
6355	26-Jul-95	36	7.2	0
6356	26-Jul-95	37	7.2	0
6357	26-Jul-95	38	7.2	0
6358	26-Jul-95	39	7.2	0
6359	26-Jul-95	40	7.2	0
6360	26-Jul-95	41	7.4	0
6361	26-Jul-95	42	7.4	0
6362	26-Jul-95	43	7.4	0
6363	26-Jul-95	44	7.4	0
6364	26-Jul-95	45	7.4	0
6365	26-Jul-95	46	7.5	0
6366	26-Jul-95	47	7.5	0
6367	26-Jul-95	48	7.5	0
6368	26-Jul-95	49	7.5	0
6369	26-Jul-95	50	7.5	0
6370	26-Jul-95	51	7.5	0
6371	26-Jul-95	52	7.4	0
6372	26-Jul-95	53	7.4	0
6373	26-Jul-95	54	7.4	0
6374	26-Jul-95	55	7.4	0
6375	26-Jul-95	56	7.4	0
6376	26-Jul-95	57	7.7	0
6377	26-Jul-95	58	7.7	0
6378	26-Jul-95	59	7.7	0
6379	26-Jul-95	60	7.7	0
6380	26-Jul-95	61	7.7	0
6381	26-Jul-95	62	7.7	0
6382	26-Jul-95	63	7.4	0
6383	26-Jul-95	64	7.4	0
6384	26-Jul-95	65	7.4	0
6385	26-Jul-95	66	7.4	0
6386	26-Jul-95	67	7.4	0
6387	26-Jul-95	68	7.4	0
6388	26-Jul-95	69	7.9	0
6389	26-Jul-95	70	7.9	0
6390	26-Jul-95	71	7.9	0
6391	26-Jul-95	72	7.9	0
6392	26-Jul-95	73	7.9	0
6393	26-Jul-95	74	7.9	0
6394	26-Jul-95	75	7.8	0
6395	26-Jul-95	76	7.8	0
6396	26-Jul-95	77	7.8	0
6397	26-Jul-95	78	7.8	0
6398	26-Jul-95	79	7.8	0
6399	26-Jul-95	80	7.8	0
6400	26-Jul-95	81	7.5	0
6401	26-Jul-95	82	7.5	0
6402	26-Jul-95	83	7.5	0
6403	26-Jul-95	84	7.5	0
6404	26-Jul-95	85	7.5	0
6405	26-Jul-95	86	7.5	0
6406	26-Jul-95	87	7.7	0
6407	26-Jul-95	88	7.7	0
6408	26-Jul-95	89	7.7	0
6409	26-Jul-95	90	7.7	0
6410	26-Jul-95	91	7.7	0
6411	26-Jul-95	92	7.7	0
6412	27-Jul-95	1	7.4	0
6413	27-Jul-95	2	7.4	0
6414	27-Jul-95	3	7.4	0
6415	27-Jul-95	4	7.4	0
6416	27-Jul-95	5	7.4	0
6417	27-Jul-95	6	7.4	0
6418	27-Jul-95	7	7.9	0
6419	27-Jul-95	8	7.9	0
6420	27-Jul-95	9	7.9	0
6421	27-Jul-95	10	7.9	0
6422	27-Jul-95	11	7.9	0
6423	27-Jul-95	12	7.9	0
6424	27-Jul-95	13	7.6	0
6425	27-Jul-95	14	7.6	0
6426	27-Jul-95	15	7.6	0
6427	27-Jul-95	16	7.6	0
6428	27-Jul-95	17	7.6	0
6429	27-Jul-95	18	7.6	0
6430	27-Jul-95	19	6.9	0.75
6431	27-Jul-95	20	6.9	0.75
6432	27-Jul-95	21	6.9	0.75
6433	27-Jul-95	22	6.9	0.75
6434	27-Jul-95	23	6.9	0.75
6435	27-Jul-95	24	6.9	0.75
6436	27-Jul-95	25	7.6	0
6437	27-Jul-95	26	7.6	0
6438	27-Jul-95	27	7.6	0
6439	27-Jul-95	28	7.6	0
6440	27-Jul-95	29	7.6	0
6441	27-Jul-95	30	7.6	0
6442	27-Jul-95	31	6.5	0.75
6443	27-Jul-95	32	6.5	0.75
6444	27-Jul-95	33	6.5	0.75
6445	27-Jul-95	34	6.5	0.75
6446	27-Jul-95	35	7.1	0
6447	27-Jul-95	36	7.1	0
6448	27-Jul-95	37	7.1	0
6449	27-Jul-95	38	7.1	0
6450	27-Jul-95	39	7.1	0
6451	27-Jul-95	40	7.1	0
6452	27-Jul-95	41	7.4	0
6453	27-Jul-95	42	7.4	0
6454	27-Jul-95	43	7.4	0
6455	27-Jul-95	44	7.4	0
6456	27-Jul-95	45	7.4	0
6457	27-Jul-95	46	7.5	0
6458	27-Jul-95	47	7.5	0
6459	27-Jul-95	48	7.5	0
6460	27-Jul-95	49	7.5	0
6461	27-Jul-95	50	7.5	0
6462	27-Jul-95	51	7.2	0
6463	27-Jul-95	52	7.2	0
6464	27-Jul-95	53	7.2	0
6465	27-Jul-95	54	7.2	0
6466	27-Jul-95	55	7.2	0
6467	27-Jul-95	56	7.2	0
6468	27-Jul-95	57	7.5	0
6469	27-Jul-95	58	7.5	0
6470	27-Jul-95	59	7.5	0
6471	27-Jul-95	60	7.5	0
6472	27-Jul-95	61	7.5	0
6473	27-Jul-95	62	7.5	0
6474	27-Jul-95	63	7.4	0
6475	27-Jul-95	64	7.4	0
6476	27-Jul-95	65	7.4	0
6477	27-Jul-95	66	7.4	0
6478	27-Jul-95	67	7.4	0
6479	27-Jul-95	68	7.5	0
6480	27-Jul-95	69	7.5	0
6481	27-Jul-95	70	7.5	0
6482	27-Jul-95	71	7.5	0
6483	27-Jul-95	72	7.5	0
6484	27-Jul-95	73	7.8	0
6485	27-Jul-95	74	7.8	0
6486	27-Jul-95	75	7.8	0
6487	27-Jul-95	76	7.8	0
6488	27-Jul-95	77	7.3	0
6489	27-Jul-95	78	7.3	0
6490	27-Jul-95	79	7.3	0
6491	27-Jul-95	80	7.3	0
6492	27-Jul-95	81	7.3	0
6493	27-Jul-95	82	7.5	0
6494	27-Jul-95	83	7.5	0
6495	27-Jul-95	84	7.5	0
6496	27-Jul-95	85	7.5	0
6497	27-Jul-95	86	7.5	0
6498	27-Jul-95	87	7.3	0
6499	27-Jul-95	88	7.3	0
6500	27-Jul-95	89	7.3	0
6501	27-Jul-95	90	7.3	0
6502	27-Jul-95	91	7.3	0
6503	27-Jul-95	92	7.4	0
6504	27-Jul-95	93	7.4	0
6505	27-Jul-95	94	7.4	0
6506	27-Jul-95	95	7.4	0
6507	27-Jul-95	96	7.4	0
6508	27-Jul-95	97	7.1	0
6509	27-Jul-95	98	7.1	0
6510	27-Jul-95	99	7.1	0
6511	27-Jul-95	100	7.1	0
6512	27-Jul-95	101	7.1	0
6513	27-Jul-95	102	7.3	0
6514	27-Jul-95	103	7.3	0
6515	27-Jul-95	104	7.3	0
6516	27-Jul-95	105	7.3	0
6517	27-Jul-95	106	7.3	0
6518	27-Jul-95	107	7.3	0
6519	28-Jul-95	1	6.3	0.75
6520	28-Jul-95	2	6.3	0.75
6521	28-Jul-95	3	6.3	0.75
6522	28-Jul-95	4	6.3	0.75
6523	28-Jul-95	5	6.3	0.75
6524	28-Jul-95	6	7.6	0
6525	28-Jul-95	7	7.6	0
6526	28-Jul-95	8	7.6	0
6527	28-Jul-95	9	7.6	0
6528	28-Jul-95	10	7.6	0
6529	28-Jul-95	11	7.6	0
6530	28-Jul-95	12	5.2	0.75
6531	28-Jul-95	13	5.2	0.75
6532	28-Jul-95	14	5.2	0.75
6533	28-Jul-95	15	5.2	0.75
6534	28-Jul-95	16	5.2	0.75
6535	28-Jul-95	17	5.2	0.75
6536	28-Jul-95	18	7.9	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
6537	28-Jul-95	19	7.9	0
6538	28-Jul-95	20	7.9	0
6539	28-Jul-95	21	7.9	0
6540	28-Jul-95	22	7.9	0
6541	28-Jul-95	23	7.9	0
6542	28-Jul-95	24	6.7	0.75
6543	28-Jul-95	25	6.7	0.75
6544	28-Jul-95	26	6.7	0.75
6545	28-Jul-95	27	6.7	0.75
6546	28-Jul-95	28	6.7	0.75
6547	29-Jul-95	1	7.2	0
6548	29-Jul-95	2	7.2	0
6549	29-Jul-95	3	7.2	0
6550	29-Jul-95	4	7.2	0
6551	29-Jul-95	5	7.2	0
6552	29-Jul-95	6	7.2	0
6553	29-Jul-95	7	7.4	0
6554	29-Jul-95	8	7.4	0
6555	29-Jul-95	9	7.4	0
6556	29-Jul-95	10	7.4	0
6557	29-Jul-95	11	7.4	0
6558	29-Jul-95	12	7.4	0
6559	29-Jul-95	13	6.8	0.75
6560	29-Jul-95	14	6.8	0.75
6561	29-Jul-95	15	6.8	0.75
6562	29-Jul-95	16	6.8	0.75
6563	29-Jul-95	17	6.8	0.75
6564	29-Jul-95	18	6.8	0.75
6565	29-Jul-95	19	7.2	0
6566	29-Jul-95	20	7.2	0
6567	29-Jul-95	21	7.2	0
6568	29-Jul-95	22	7.2	0
6569	29-Jul-95	23	7.2	0
6570	29-Jul-95	24	7.2	0
6571	29-Jul-95	25	7.5	0
6572	29-Jul-95	26	7.5	0
6573	29-Jul-95	27	7.5	0
6574	29-Jul-95	28	7.5	0
6575	29-Jul-95	29	7.5	0
6576	29-Jul-95	30	7.5	0
6577	29-Jul-95	31	7.4	0
6578	29-Jul-95	32	7.4	0
6579	29-Jul-95	33	7.4	0
6580	29-Jul-95	34	7.4	0
6581	29-Jul-95	35	7.4	0
6582	29-Jul-95	36	7.4	0
6583	29-Jul-95	37	7.8	0
6584	29-Jul-95	38	7.8	0
6585	29-Jul-95	39	7.8	0
6586	29-Jul-95	40	7.8	0
6587	29-Jul-95	41	7.8	0
6588	29-Jul-95	42	7.8	0
6589	29-Jul-95	43	7.7	0
6590	29-Jul-95	44	7.7	0
6591	29-Jul-95	45	7.7	0
6592	29-Jul-95	46	7.7	0
6593	29-Jul-95	47	7.7	0
6594	29-Jul-95	48	6.4	0.75
6595	29-Jul-95	49	6.4	0.75
6596	29-Jul-95	50	6.4	0.75
6597	29-Jul-95	51	6.4	0.75
6598	29-Jul-95	52	6.4	0.75
6599	29-Jul-95	53	6.2	0.75
6600	29-Jul-95	54	6.2	0.75
6601	29-Jul-95	55	6.2	0.75
6602	29-Jul-95	56	6.2	0.75
6603	29-Jul-95	57	6.2	0.75
6604	29-Jul-95	58	6.2	0.75
6605	30-Jul-95	1		
6606	30-Jul-95	2		
6607	30-Jul-95	3		
6608	30-Jul-95	4		
6609	30-Jul-95	5		
6610	30-Jul-95	6	7.5	0
6611	30-Jul-95	7	7.5	0
6612	30-Jul-95	8	7.5	0
6613	30-Jul-95	9		
6614	30-Jul-95	10		
6615	30-Jul-95	11		
6616	30-Jul-95	12		
6617	30-Jul-95	13		
6618	30-Jul-95	14		
6619	30-Jul-95	15		
6620	01-Aug-95	1	7.3	0
6621	01-Aug-95	2	7.3	0
6622	01-Aug-95	3	7.3	0
6623	01-Aug-95	4	7.3	0
6624	01-Aug-95	5	7.3	0
6625	01-Aug-95	6	7.3	0
6626	01-Aug-95	7	7.3	0
6627	01-Aug-95	8	6.9	0.75
6628	01-Aug-95	9	6.9	0.75
6629	01-Aug-95	10	6.9	0.75
6630	01-Aug-95	11	6.9	0.75
6631	01-Aug-95	12	6.9	0.75
6632	01-Aug-95	13	6.6	0.75
6633	01-Aug-95	14	6.6	0.75
6634	01-Aug-95	15	6.6	0.75
6635	01-Aug-95	16	6.6	0.75
6636	01-Aug-95	17	6.6	0.75
6637	01-Aug-95	18	6.6	0.75
6638	01-Aug-95	19	7.5	0
6639	01-Aug-95	20	7.5	0
6640	01-Aug-95	21	7.5	0
6641	01-Aug-95	22	7.5	0
6642	01-Aug-95	23	7.5	0
6643	01-Aug-95	24	7.9	0
6644	01-Aug-95	25	7.9	0
6645	01-Aug-95	26	7.9	0
6646	01-Aug-95	27	7.9	0
6647	01-Aug-95	28	7.9	0
6648	01-Aug-95	29	7.9	0
6649	01-Aug-95	30	7.8	0
6650	01-Aug-95	31	7.8	0
6651	01-Aug-95	32	7.8	0
6652	01-Aug-95	33	7.8	0
6653	01-Aug-95	34	7.8	0
6654	01-Aug-95	35	6	0.75
6655	01-Aug-95	36	6	0.75
6656	01-Aug-95	37	6	0.75
6657	01-Aug-95	38	6	0.75
6658	01-Aug-95	39	6	0.75
6659	01-Aug-95	40	8	0
6660	01-Aug-95	41	8	0
6661	01-Aug-95	42	8	0
6662	01-Aug-95	43	8	0
6663	01-Aug-95	44	8	0
6664	01-Aug-95	45	7.5	0
6665	01-Aug-95	46	7.5	0
6666	01-Aug-95	47	7.5	0
6667	01-Aug-95	48	7.5	0
6668	01-Aug-95	49	7.6	0
6669	01-Aug-95	50	7.6	0
6670	01-Aug-95	51	7.6	0
6671	01-Aug-95	52	7.6	0
6672	01-Aug-95	53	7.6	0
6673	01-Aug-95	54	7.5	0
6674	01-Aug-95	55	7.5	0
6675	01-Aug-95	56	7.5	0
6676	01-Aug-95	57	7.5	0
6677	01-Aug-95	58	7.5	0
6678	01-Aug-95	59	7.8	0
6679	01-Aug-95	60	7.8	0
6680	01-Aug-95	61	7.8	0
6681	01-Aug-95	62	7.8	0
6682	01-Aug-95	63	7.8	0
6683	01-Aug-95	64	7.5	0
6684	01-Aug-95	65	7.5	0
6685	01-Aug-95	66	7.5	0
6686	01-Aug-95	67	7.5	0
6687	01-Aug-95	68	7.5	0
6688	01-Aug-95	69	7.3	0
6689	01-Aug-95	70	7.3	0
6690	01-Aug-95	71	7.3	0
6691	01-Aug-95	72	7.3	0
6692	01-Aug-95	73	3	0
6693	01-Aug-95	74	3	0
6694	01-Aug-95	75	3	0
6695	01-Aug-95	76	3	0
6696	01-Aug-95	77	3	0
6697	01-Aug-95	78	6.9	0.75
6698	01-Aug-95	79	6.9	0.75
6699	01-Aug-95	80	6.9	0.75
6700	01-Aug-95	81	6.9	0.75
6701	01-Aug-95	82	7.5	0
6702	01-Aug-95	83	7.5	0
6703	01-Aug-95	84	7.5	0
6704	01-Aug-95	85	7.5	0
6705	01-Aug-95	86	7.5	0
6706	01-Aug-95	87	7.5	0
6707	01-Aug-95	88	7.2	0
6708	01-Aug-95	89	7.2	0
6709	01-Aug-95	90	7.2	0
6710	01-Aug-95	91	7.2	0
6711	01-Aug-95	92	7.1	0
6712	01-Aug-95	93	7.1	0
6713	01-Aug-95	94	7.1	0
6714	01-Aug-95	95	7.1	0
6715	01-Aug-95	96	7.1	0
6716	01-Aug-95	97	7.1	0
6717	01-Aug-95	98	8.1	0
6718	01-Aug-95	99	8.1	0
6719	01-Aug-95	100	8.1	0
6720	01-Aug-95	101	8.1	0
6721	02-Aug-95	1		
6722	02-Aug-95	2		
6723	02-Aug-95	3		
6724	02-Aug-95	4		
6725	02-Aug-95	5		
6726	02-Aug-95	6		
6727	02-Aug-95	7	8.1	0
6728	02-Aug-95	8	8.1	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
6729	02-Aug-95	9	8.1	0
6730	02-Aug-95	10	8.1	0
6731	02-Aug-95	11	8.1	0
6732	02-Aug-95	12	7.8	0
6733	02-Aug-95	13	7.8	0
6734	02-Aug-95	14	7.8	0
6735	02-Aug-95	15	7.8	0
6736	02-Aug-95	16	7.8	0
6737	02-Aug-95	17	7.8	0
6738	02-Aug-95	18	7.6	0
6739	02-Aug-95	19	7.6	0
6740	02-Aug-95	20	7.6	0
6741	02-Aug-95	21	7.6	0
6742	02-Aug-95	22	7.6	0
6743	02-Aug-95	23	8	0
6744	02-Aug-95	24	8	0
6745	02-Aug-95	25	8	0
6746	02-Aug-95	26	8	0
6747	02-Aug-95	27	8	0
6748	02-Aug-95	28	8	0
6749	02-Aug-95	29	7.5	0
6750	02-Aug-95	30	7.5	0
6751	02-Aug-95	31	7.5	0
6752	02-Aug-95	32	7.5	0
6753	02-Aug-95	33	7.5	0
6754	02-Aug-95	34	7.9	0
6755	02-Aug-95	35	7.9	0
6756	02-Aug-95	36	7.9	0
6757	02-Aug-95	37	7.9	0
6758	02-Aug-95	38	7.9	0
6759	02-Aug-95	39	7.9	0
6760	02-Aug-95	40	7.7	0
6761	02-Aug-95	41	7.7	0
6762	02-Aug-95	42	7.7	0
6763	02-Aug-95	43	7.7	0
6764	02-Aug-95	44	7.7	0
6765	02-Aug-95	45	7.9	0
6766	02-Aug-95	46	7.9	0
6767	02-Aug-95	47	7.9	0
6768	02-Aug-95	48	7.9	0
6769	02-Aug-95	49	7.9	0
6770	02-Aug-95	50	7.9	0
6771	02-Aug-95	51	7.6	0
6772	02-Aug-95	52	7.6	0
6773	02-Aug-95	53	7.6	0
6774	02-Aug-95	54	7.6	0
6775	02-Aug-95	55	8	0
6776	02-Aug-95	56	8	0
6777	02-Aug-95	57	8	0
6778	02-Aug-95	58	8	0
6779	02-Aug-95	59	8	0
6780	02-Aug-95	60	7.2	0
6781	02-Aug-95	61	7.2	0
6782	02-Aug-95	62	7.2	0
6783	02-Aug-95	63	7.2	0
6784	02-Aug-95	64	7.9	0
6785	02-Aug-95	65	7.9	0
6786	02-Aug-95	66	7.9	0
6787	02-Aug-95	67	7.9	0
6788	02-Aug-95	68	7.9	0
6789	02-Aug-95	69	7.8	0
6790	02-Aug-95	70	7.8	0
6791	02-Aug-95	71	7.8	0
6792	02-Aug-95	72	7.8	0
6793	02-Aug-95	73	7.8	0
6794	02-Aug-95	74	8	0
6795	02-Aug-95	75	8	0
6796	02-Aug-95	76	8	0
6797	02-Aug-95	77	8	0
6798	02-Aug-95	78	7.9	0
6799	02-Aug-95	79	7.9	0
6800	02-Aug-95	80	7.9	0
6801	02-Aug-95	81	7.9	0
6802	02-Aug-95	82	7.9	0
6803	02-Aug-95	83	6.8	0.75
6804	02-Aug-95	84	6.8	0.75
6805	02-Aug-95	85	6.8	0.75
6806	02-Aug-95	86	6.8	0.75
6807	02-Aug-95	87	6.8	0.75
6808	02-Aug-95	88	6.8	0.75
6809	02-Aug-95	89	7.2	0
6810	02-Aug-95	90	7.2	0
6811	02-Aug-95	91	7.2	0
6812	02-Aug-95	92	7.2	0
6813	02-Aug-95	93	7.2	0
6814	02-Aug-95	94	7.2	0
6815	02-Aug-95	95	7.5	0
6816	02-Aug-95	96	7.5	0
6817	02-Aug-95	97	7.5	0
6818	02-Aug-95	98	7.5	0
6819	02-Aug-95	99	7.5	0
6820	02-Aug-95	100	7.5	0
6821	03-Aug-95	1	7.7	0
6822	03-Aug-95	2	7.7	0
6823	03-Aug-95	3	7.7	0
6824	03-Aug-95	4	7.7	0
6825	03-Aug-95	5	7.7	0
6826	03-Aug-95	6	7.9	0
6827	03-Aug-95	7	7.9	0
6828	03-Aug-95	8	7.9	0
6829	03-Aug-95	9	7.9	0
6830	03-Aug-95	10	7.9	0
6831	03-Aug-95	11	7.9	0
6832	03-Aug-95	12	7.7	0
6833	03-Aug-95	13	7.7	0
6834	03-Aug-95	14	7.7	0
6835	03-Aug-95	15	7.7	0
6836	03-Aug-95	16	7.7	0
6837	03-Aug-95	17	7.7	0
6838	03-Aug-95	18	7.6	0
6839	03-Aug-95	19	7.6	0
6840	03-Aug-95	20	7.6	0
6841	03-Aug-95	21	7.6	0
6842	03-Aug-95	22	7.6	0
6843	03-Aug-95	23	7.6	0
6844	03-Aug-95	24	8	0
6845	03-Aug-95	25	8	0
6846	03-Aug-95	26	8	0
6847	03-Aug-95	27	8	0
6848	03-Aug-95	28	8	0
6849	03-Aug-95	29	8	0
6850	03-Aug-95	30	7.9	0
6851	03-Aug-95	31	7.9	0
6852	03-Aug-95	32	7.9	0
6853	03-Aug-95	33	7.9	0
6854	03-Aug-95	34	7.9	0
6855	03-Aug-95	35	7.9	0
6856	03-Aug-95	36	7	0
6857	03-Aug-95	37	7	0
6858	03-Aug-95	38	7	0
6859	03-Aug-95	39	7	0
6860	03-Aug-95	40	7	0
6861	03-Aug-95	41	7	0
6862	03-Aug-95	42	7	0
6863	03-Aug-95	43	7	0
6864	03-Aug-95	44	7	0
6865	03-Aug-95	45	7	0
6866	03-Aug-95	46	7	0
6867	03-Aug-95	47	7	0
6868	03-Aug-95	48	7	0
6869	03-Aug-95	49	7	0
6870	03-Aug-95	50	7	0
6871	03-Aug-95	51	7	0
6872	03-Aug-95	52	7	0
6873	03-Aug-95	53	7	0
6874	03-Aug-95	54	7	0
6875	03-Aug-95	55	7	0
6876	03-Aug-95	56	7	0
6877	03-Aug-95	57	7	0
6878	03-Aug-95	58	7	0
6879	03-Aug-95	59	7	0
6880	03-Aug-95	60	7	0
6881	03-Aug-95	61	7	0
6882	03-Aug-95	62	7	0
6883	03-Aug-95	63	7	0
6884	03-Aug-95	64	7	0
6885	03-Aug-95	65	7	0
6886	03-Aug-95	66	7	0
6887	03-Aug-95	67	7	0
6888	03-Aug-95	68	7	0
6889	03-Aug-95	69	7	0
6890	03-Aug-95	70	7	0
6891	03-Aug-95	71	7.4	0
6892	03-Aug-95	72	7.6	0
6893	03-Aug-95	73	7.3	0
6894	03-Aug-95	74	7.4	0
6895	03-Aug-95	75	7.3	0
6896	03-Aug-95	76	7.4	0
6897	03-Aug-95	77	7.6	0
6898	03-Aug-95	78	7.4	0
6899	03-Aug-95	79	7.7	0
6900	03-Aug-95	80	7.3	0
6901	03-Aug-95	81	7.3	0
6902	03-Aug-95	82	7.5	0
6903	03-Aug-95	83	7.2	0
6904	03-Aug-95	84	7.5	0
6905	03-Aug-95	85	7.4	0
6906	03-Aug-95	86	7.5	0
6907	03-Aug-95	87	7.6	0
6908	03-Aug-95	88	7.4	0
6909	03-Aug-95	89	7.5	0
6910	03-Aug-95	90	7.5	0
6911	03-Aug-95	91	7.4	0
6912	03-Aug-95	92	7.6	0
6913	03-Aug-95	93	7.5	0
6914	03-Aug-95	94	7.4	0
6915	03-Aug-95	95	7.6	0
6916	03-Aug-95	96	7.7	0
6917	03-Aug-95	97	7.4	0
6918	03-Aug-95	98	7.4	0
6919	03-Aug-95	99	7.5	0
6920	03-Aug-95	100	7.3	0

Welcome Screen | Search | Report List

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
6921	03-Aug-95	101	7.7	0
6922	03-Aug-95	102	7.4	0
6923	03-Aug-95	103	7.8	0
6924	03-Aug-95	104	7.6	0
6925	03-Aug-95	105	7.4	0
6926	03-Aug-95	106	7.5	0
6927	03-Aug-95	107	7.5	0
6928	03-Aug-95	108	7.7	0
6929	03-Aug-95	109	7.6	0
6930	03-Aug-95	110	7.4	0
6931	03-Aug-95	111	7.3	0
6932	03-Aug-95	112	7.4	0
6933	03-Aug-95	113	7.5	0
6934	03-Aug-95	114	7.7	0
6935	03-Aug-95	115	7.8	0
6936	03-Aug-95	116	7.4	0
6937	03-Aug-95	117	7.6	0
6938	03-Aug-95	118	7.5	0
6939	04-Aug-95	1	7.4	0
6940	04-Aug-95	2	7.6	0
6941	04-Aug-95	3	7.7	0
6942	04-Aug-95	4	7.3	0
6943	04-Aug-95	5	7.5	0
6944	04-Aug-95	6	7.6	0
6945	04-Aug-95	7	7.7	0
6946	04-Aug-95	8	7.8	0
6947	04-Aug-95	9	7.4	0
6948	04-Aug-95	10	7.3	0
6949	04-Aug-95	11	7.5	0
6950	04-Aug-95	12	7.1	0
6951	04-Aug-95	13	7.3	0
6952	04-Aug-95	14	7.2	0
6953	04-Aug-95	15	7.3	0
6954	04-Aug-95	16	7.1	0
6955	04-Aug-95	17	7.4	0
6956	04-Aug-95	18	7.5	0
6957	04-Aug-95	19	7.1	0
6958	04-Aug-95	20	7.3	0
6959	04-Aug-95	21	7.1	0
6960	04-Aug-95	22	7	0
6961	04-Aug-95	23	7.4	0
6962	04-Aug-95	24	7.5	0
6963	04-Aug-95	25	7.1	0
6964	04-Aug-95	26	7	0
6965	04-Aug-95	27	7.1	0
6966	04-Aug-95	28	7.2	0
6967	04-Aug-95	29	7.1	0
6968	04-Aug-95	30	7.3	0
6969	04-Aug-95	31	7.4	0
6970	04-Aug-95	32	7.1	0
6971	04-Aug-95	33	7.2	0
6972	04-Aug-95	34	7.1	0
6973	04-Aug-95	35	7.6	0
6974	04-Aug-95	36	7.5	0
6975	04-Aug-95	37	7.4	0
6976	04-Aug-95	38	7.3	0
6977	04-Aug-95	39	7.2	0
6978	04-Aug-95	40	7.1	0
6979	04-Aug-95	41	7.5	0
6980	04-Aug-95	42	7.3	0
6981	04-Aug-95	43	7.2	0
6982	04-Aug-95	44	7	0
6983	04-Aug-95	45	7.6	0
6984	04-Aug-95	46	7.4	0
6985	04-Aug-95	47	7.5	0
6986	04-Aug-95	48	7.1	0
6987	04-Aug-95	49	7.3	0
6988	04-Aug-95	50	7.3	0
6989	04-Aug-95	51	7.9	0
6990	04-Aug-95	52	7.7	0
6991	04-Aug-95	53	7.6	0
6992	04-Aug-95	54	7.8	0
6993	04-Aug-95	55	7.4	0
6994	04-Aug-95	56	7.9	0
6995	04-Aug-95	57	7.6	0
6996	04-Aug-95	58	7.1	0
6997	04-Aug-95	59	7.4	0
6998	04-Aug-95	60	7.5	0
6999	04-Aug-95	61	7.3	0
7000	04-Aug-95	62	7.2	0
7001	04-Aug-95	63	7.3	0
7002	04-Aug-95	64	7.5	0
7003	04-Aug-95	65	7.6	0
7004	04-Aug-95	66	7.1	0
7005	04-Aug-95	67	7.8	0
7006	04-Aug-95	68	7.6	0
7007	04-Aug-95	69	7.5	0
7008	04-Aug-95	70	7.3	0
7009	04-Aug-95	71	7.4	0
7010	04-Aug-95	72	7.5	0
7011	04-Aug-95	73	7.3	0
7012	04-Aug-95	74	7.4	0
7013	04-Aug-95	75	7.5	0
7014	04-Aug-95	76	7.5	0
7015	04-Aug-95	77	7.3	0
7016	04-Aug-95	78	7.3	0
7017	04-Aug-95	79	7.5	0
7018	04-Aug-95	80	7.6	0
7019	04-Aug-95	81	7.4	0
7020	04-Aug-95	82	7.4	0
7021	04-Aug-95	83	7.2	0
7022	04-Aug-95	84	7.2	0
7023	04-Aug-95	85	7.3	0
7024	04-Aug-95	86	7.5	0
7025	04-Aug-95	87	7.4	0
7026	04-Aug-95	88	7.8	0
7027	04-Aug-95	89	7.6	0
7028	04-Aug-95	90	7.5	0
7029	04-Aug-95	91	7.3	0
7030	04-Aug-95	92	7.7	0
7031	04-Aug-95	93	7.7	0
7032	04-Aug-95	94	7.1	0
7033	04-Aug-95	95	7.1	0
7034	04-Aug-95	96	7.4	0
7035	04-Aug-95	97	7.1	0
7036	04-Aug-95	98	7.2	0
7037	04-Aug-95	99	7.3	0
7038	04-Aug-95	100	7.2	0
7039	04-Aug-95	101	7.3	0
7040	04-Aug-95	102	7.4	0
7041	04-Aug-95	103	7.2	0
7042	04-Aug-95	104	7.2	0
7043	04-Aug-95	105	7.2	0
7044	04-Aug-95	106	7.1	0
7045	04-Aug-95	107	7.3	0
7046	04-Aug-95	108	7.2	0
7047	04-Aug-95	109	7.2	0
7048	04-Aug-95	110	7.4	0
7049	05-Aug-95	1	7.4	0
7050	05-Aug-95	2	7.3	0
7051	05-Aug-95	3	7.5	0
7052	05-Aug-95	4	7.8	0
7053	05-Aug-95	5	7.1	0
7054	05-Aug-95	6	7.2	0
7055	05-Aug-95	7	7.3	0
7056	05-Aug-95	8	7.4	0
7057	05-Aug-95	9	7.2	0
7058	05-Aug-95	10	7.1	0
7059	05-Aug-95	11	7.2	0
7060	05-Aug-95	12	7.1	0
7061	05-Aug-95	13	7.1	0
7062	05-Aug-95	14	7.1	0
7063	05-Aug-95	15	7.2	0
7064	05-Aug-95	16	7.2	0
7065	05-Aug-95	17	7.2	0
7066	05-Aug-95	18	7.4	0
7067	05-Aug-95	19	7.3	0
7068	05-Aug-95	20	7.3	0
7069	05-Aug-95	21	7.4	0
7070	05-Aug-95	22	7.1	0
7071	05-Aug-95	23	7.2	0
7072	05-Aug-95	24	7.8	0
7073	05-Aug-95	25	7.7	0
7074	05-Aug-95	26	7.7	0
7075	05-Aug-95	27	7.4	0
7076	05-Aug-95	28	7.8	0
7077	05-Aug-95	29	7.8	0
7078	05-Aug-95	30	7.6	0
7079	05-Aug-95	31	7.7	0
7080	05-Aug-95	32	7.7	0
7081	05-Aug-95	33	7.5	0
7082	05-Aug-95	34	7.5	0
7083	05-Aug-95	35	7.5	0
7084	05-Aug-95	36	7.4	0
7085	05-Aug-95	37	7.4	0
7086	05-Aug-95	38	7.4	0
7087	05-Aug-95	39	7.4	0
7088	05-Aug-95	40	7.3	0
7089	05-Aug-95	41	7.4	0
7090	05-Aug-95	42	7.1	0
7091	05-Aug-95	43	8	0
7092	05-Aug-95	44	7.2	0
7093	05-Aug-95	45	10.1	0
7094	05-Aug-95	46	8	0
7095	05-Aug-95	47	7.3	0
7096	05-Aug-95	48	7.5	0
7097	05-Aug-95	49	7.2	0
7098	05-Aug-95	50	7.2	0
7099	05-Aug-95	51	7.5	0
7100	05-Aug-95	52	7.4	0
7101	05-Aug-95	53	7.4	0
7102	05-Aug-95	54	7.1	0
7103	05-Aug-95	55	7.2	0
7104	05-Aug-95	56	7.1	0
7105	05-Aug-95	57	7.1	0
7106	05-Aug-95	58	7.2	0
7107	05-Aug-95	59	7.2	0
7108	05-Aug-95	60	7.3	0
7109	05-Aug-95	61	7.4	0
7110	05-Aug-95	62	7.2	0
7111	05-Aug-95	63	7.2	0
7112	05-Aug-95	64	7.3	0

Total Load	Date	Load No.	Paste pH	Bags Of Lime Added
7113	05-Aug-95	65	7.8	0
7114	05-Aug-95	66	7.7	0
7115	05-Aug-95	67	7.6	0
7116	05-Aug-95	68	7.2	0
7117	05-Aug-95	69	7.2	0
7118	05-Aug-95	70	7.2	0
7119	05-Aug-95	71	7.1	0
7120	05-Aug-95	72	7.3	0
7121	05-Aug-95	73	7.3	0
7122	05-Aug-95	74	7.2	0
7123	05-Aug-95	75	7.5	0
7124	05-Aug-95	76	7.5	0
7125	05-Aug-95	77	7.4	0
7126	05-Aug-95	78	7.2	0
7127	05-Aug-95	79	7.2	0
7128	05-Aug-95	80	7.2	0
7129	05-Aug-95	81	7.4	0
7130	05-Aug-95	82	7.4	0
7131	05-Aug-95	83	7.2	0
7132	05-Aug-95	84	7.2	0
7133	05-Aug-95	85	7.4	0
7134	05-Aug-95	86	7.5	0
7135	05-Aug-95	87	7.5	0
7136	05-Aug-95	88	7.3	0
7137	05-Aug-95	89	7.1	0
7138	05-Aug-95	90	7.3	0
7139	05-Aug-95	91	7.3	0
7140	05-Aug-95	92	7.2	0
7141	05-Aug-95	93	7.2	0
7142	05-Aug-95	94	7.2	0
7143	05-Aug-95	95	7.2	0
7144	05-Aug-95	96	7.4	0
7145	05-Aug-95	97	7.3	0
7146	05-Aug-95	98	7.1	0
7147	05-Aug-95	99	7.1	0
7148	06-Aug-95	1	7.2	0
7149	06-Aug-95	2	7.2	0
7150	06-Aug-95	3	7.3	0
7151	06-Aug-95	4	7.4	0
7152	06-Aug-95	5	7.6	0
7153	06-Aug-95	6	7.6	0
7154	06-Aug-95	7	7.4	0
7155	06-Aug-95	8	7.8	0
7156	06-Aug-95	9	7.3	0
7157	06-Aug-95	10	7.3	0
7158	06-Aug-95	11	7.3	0
7159	06-Aug-95	12	7.4	0
7160	06-Aug-95	13	7.4	0
7161	06-Aug-95	14	7.3	0
7162	06-Aug-95	15	7.2	0
7163	06-Aug-95	16	7.2	0
7164	06-Aug-95	17	7.3	0
7165	06-Aug-95	18	7.2	0
7166	06-Aug-95	19	7.2	0
7167	06-Aug-95	20	7.5	0
7168	06-Aug-95	21	7.4	0
7169	06-Aug-95	22	7.5	0
7170	06-Aug-95	23	7.3	0
7171	06-Aug-95	24	7.3	0
7172	06-Aug-95	25	7.3	0
7173	06-Aug-95	26	7.3	0
7174	06-Aug-95	27	7.5	0
7175	06-Aug-95	28	7.5	0
7176	06-Aug-95	29	7.1	0
7177	06-Aug-95	30	7.5	0
7178	06-Aug-95	31	7.3	0
7179	06-Aug-95	32	7.4	0
7180	06-Aug-95	33	7.5	0
7181	06-Aug-95	34	7.2	0
7182	06-Aug-95	35	7.5	0
7183	06-Aug-95	36	7.3	0
7184	06-Aug-95	37	7.3	0
7185	06-Aug-95	38	7.5	0
7186	06-Aug-95	39	7.2	0
7187	06-Aug-95	40	7.2	0
7188	06-Aug-95	41	7.1	0
7189	06-Aug-95	42	7.5	0
7190	06-Aug-95	43	7.4	0
7191	06-Aug-95	44	7.1	0
7192	06-Aug-95	45	7.3	0
7193	06-Aug-95	46	7.4	0
7194	06-Aug-95	47	7.5	0
7195	06-Aug-95	48	7.3	0
7196	06-Aug-95	49	7.4	0
7197	06-Aug-95	50	7.5	0
7198	06-Aug-95	51	7.4	0
7199	06-Aug-95	52	7.6	0
7200	06-Aug-95	53	7.3	0
7201	06-Aug-95	54	7.3	0
7202	06-Aug-95	55	7.4	0

APPENDIX

Appendix E. Vertical Profiles of Waste-Rock Cut Faces

E1. Field Observations (Profiles #1 to #4)

ESKAY CREEK FIELD NOTES

May 18 - 20, 1995

PROFILE #1

Depth (cm)	Comments
0 - 10	Grey-to-black silt with gravel; well compacted. Munsell Colour - grey material = 2.5 Y 6/0 (wet) Munsell Colour - black material = 2.5 Y 2/0 (wet) Munsell Colour - dark grey material = 2.5 Y 4/0 (dry)
10 - 40	Silty gravel with a few cobbles; some areas are gravelly silt; moist. Munsell Colour - (silty gravel) very dark grey = 2.5 Y 3/0 (wet) Munsell Colour - (gravelly silt) olive grey = 5 Y 4/1 (wet)
40 - 60	Light grey silty gravel; very well compacted and hard. Munsell Colour - dark grey material = 2.5 YR 4/0 (wet) Munsell Colour - white material = 2.5 Y 8/0 (dry)
60 - 100	Sandy gravel; medium grey Munsell Colour - grey material = 2.5 YR 5/0 (wet)
100 - 130	Tan-orange sandy, gravelly silt. Munsell Colour - very pale brown = 10 YR 7/4 (wet) Munsell Colour - pale yellow material = 2.5 Y 8/4 (dry)
130 - 160	Light grey gravelly silt. Munsell Colour = 2.5 Y 7/0 (wet)
160 - 200	Gravelly, sandy silt; orange-red. Munsell Colour - yellow material = 10 YR 7/8 (wet) (best colour match, not quite orange enough) Munsell Colour - yellow material = 2.5 Y 7/8 (dry)

ESKAY CREEK FIELD NOTES

May 18 - 20, 1995

PROFILE #2

Depth (cm)	Comments
0 - 20	Coarse gravel and cobbles, some gravel cemented by coarse silt; minor moisture. Munsell Colour - grey material = 7.5 YR 6/0 (wet)
20 - 65	Fine-to-medium sand with gravel; visually damp; dark grey-green. Munsell Colour - very dark grey material = 2.5 YR 3/0 (wet) Munsell Colour - grey material = 2.5 YR 6/0 (dry)
65 - 120	Interlayered/interbedded; grey gravelly, sandy silt tightly compacted interbedded with silty, sandy gravel; tan; very moist; three beds of grey material, 2 beds of tan material each layer about 10 cm thick; tight grey layer is a continuation from what was seen in Profile #1 except that in Profile #1 the grey (tight) layer did not have interbeds. Munsell Colour - light grey material = 2.5 Y 7/0 (wet) Munsell Colour - light brownish grey material = 2.5Y 6/2 (wet)
120 - 155	Gravelly, silty fine sand; buff-to-grey in colour with orange iron staining in places. Munsell Colour - (background material) light grey material = 2.5 Y 7/0 (wet) Munsell Colour - (staining) brownish yellow material = 10 YR 6/8 (wet) Munsell Colour - white material = 2.5 YR 8/1 (dry)
155 - 180	Sandy gravel; moist; tan-to-buff colour; minor orange brown iron staining Munsell Colour - (dominant background) white material = 2.5 Y 8/0 (wet) Munsell Colour - (staining) pale yellow material = 2.5 Y 8/4 (wet) Munsell Colour - white material = 2.5 YR 8/0 (dry)
180 - Bottom	Gravelly, silty coarse sand; heavily iron stained; iron staining decreases with depth; moist increases with depth.

ESKAY CREEK FIELD NOTES

May 18 - 20, 1995

Munsell Colour - (general) olive yellow material = 2.5 Y 6/8 (wet)
Munsell Colour - pale yellow material = 2.5 YR 8/4 (dry)

PROFILE #3

Depth (cm)	Comments
0 - 50	Sandy, gravelly cobbles; stained orange-brown. Munsell Colour - (dominant material) yellow material = 10 YR 7/8 (wet) Munsell Colour - yellow material = 2.5 YR 7/8 (dry)
50 - 120	Medium grey; sandy, gravelly silt. Munsell Colour - grey material = 2.5 Y 6/0 (wet) Munsell Colour - white material = 2.5 YR 8/0 (dry)
120 - Bottom	Silty, gravelly sand; tan in colour; stained orange-brown in places; about 1.5 m to bottom. Munsell Colour - light grey material = 10 YR 7/2 (wet) Munsell Colour - pale yellow material = 2.5 YR 7/3 (dry)

ESKAY CREEK FIELD NOTES

June 29 - 31, 1995

PROFILE #4

Depth (m)	Comments
0 - 0.5	Light grey cobbley, sandy gravel; base of layer is where paint exits to surface of Site #3. Munsell Colour -
0.5 - 0.6	Black silty fine (argillite); sloping 10° from horizontal.
0.6 - 1.5	Heterogeneous mixture of : 1) buff coloured gravelly sand with prominent iron-staining; 2) light grey silty sand; 3) light grey crystalline waste rock
1.5 - 2.2	Coarse layer; orange-brown sandy cobbles and prominent iron-staining with inclusions of light grey sandy cobbles with minor oxidation; glassy coating of iron-stained material coating associated with strong iron-staining (could be silica precipitates).
2.2 - 2.35	Variable in thickness; black sandy silt with minor gravel with white mineral coatings in places.
2.35 - 2.5	Buff to light grey gravelly sand; heavily iron-stained in places; extends to base of profile.

E2. Tabulated Analyses (courtesy B.C. Government Database, Dr. Bill Price)

E2. Tabulated Analyses (courtesy B.C. Government Database, Dr. Bill Price)

MDA Waste Rock Data

Site Location	Sample Id.	Sample Size Fraction	Analysis Date - ABA	Method - ABA	Paste pH	%S (Total)	%S (Sulphide)	%S (Sulphate)	%S (BaSO4)	%S (del)	TAP (tonnes CaCO3 /1000 tonnes)	SAP (tonnes CaCO3 /1000 tonnes)	NP (tonnes CaCO3 /1000 tonnes)	CO2 % (inorganic)	CaNP (tonnes CaCO3 /1000 tonnes)	TNNP (tonnes CaCO3 /1000 tonnes)	SNNP (tonnes CaCO3 /1000 tonnes)	HNNP (tonnes CaCO3 /1000 tonnes)	RNNP (tonnes CaCO3 /1000 tonnes)	TNPR	SNPR	HNPR	RNPR	% of NP made up by CaNP
Eskay Creek	P1 0-10 cm	<50 um	16-Aug-96	EPA 600	8.9	2.28	2.19	0.06	0.038	0.000	71	68	42	1.3	30	-29	-26	-42	-39	0.59	0.61	0.41	0.43	70.39
Eskay Creek	P1 0-10 cm	<2 mm	16-Aug-96	EPA 600	7.6	2.03	2.05	0.16	0.032	0.000	63	64	72	2.6	59	9	8	-4	-5	1.13	1.12	0.93	0.92	82.13
Eskay Creek	P1 0-10 cm	2 - 11 mm	16-Aug-96	EPA 600	7.6	1.36	1.33	0.05	0.020	0.000	43	42	116	3.9	89	74	74	46	47	2.73	2.79	2.09	2.13	76.46
Eskay Creek	P1 0-10 cm	11 - 19 mm	16-Aug-96	EPA 600	7.9	1.1	1.07	0.04	0.023	0.000	34	33	63	2.2	50	29	30	16	17	1.83	1.88	1.46	1.50	79.42
Eskay Creek	P1 0-10 cm	>19 mm	16-Aug-96	EPA 600	7.9	0.68	0.63	0.03	0.009	0.011	21	20	130	4.3	98	109	110	77	78	6.12	6.49	4.60	4.88	75.23
Eskay Creek	P1 40-60 cm	<50 um	16-Aug-96	EPA 600	8.8	1.57	1.51	0.07	0.044	0.000	49	47	7	*0.1*	2	-42	-40	-47	-45	0.14	0.15	0.05	0.05	32.49
Eskay Creek	P1 40-60 cm	<2 mm	16-Aug-96	EPA 600	7.1	1.56	1.56	0.09	0.039	0.000	49	49	6	*0.1*	2	-43	-43	-46	-46	0.12	0.12	0.05	0.05	37.90
Eskay Creek	P1 40-60 cm	2 - 11 mm	16-Aug-96	EPA 600	7.5	1.25	1.16	0.03	0.024	0.036	39	37	12	0.4	9	-27	-25	-30	-28	0.31	0.32	0.23	0.24	75.81
Eskay Creek	P1 40-60 cm	11 - 19 mm	16-Aug-96	EPA 600	8.3	0.76	0.75	*0.005*	0.019	0.000	24	23	36	1.4	32	12	13	8	8	1.52	1.54	1.34	1.36	88.44
Eskay Creek	P1 40-60 cm	>19 mm	16-Aug-96	EPA 600	8.2	2.65	2.58	0.01	0.009	0.051	83	82	37	1	23	-46	-45	-60	-59	0.45	0.45	0.27	0.28	61.47
Eskay Creek	P1 100-130 cm	<50 um	16-Aug-96	EPA 600	8.6	1.78	1.75	0.05	0.043	0.000	56	55	4	*0.1*	2	-52	-51	-53	-52	0.07	0.07	0.04	0.04	56.86
Eskay Creek	P1 100-130 cm	<2 mm	16-Aug-96	EPA 600	6.2	1.42	1.38	0.1	0.037	0.000	44	43	2	*0.1*	2	-42	-41	-42	-41	0.05	0.05	0.05	0.05	113.71
Eskay Creek	P1 100-130 cm	2 - 11 mm	16-Aug-96	EPA 600	7.1	1.08	1.09	0.03	0.020	0.000	34	34	4	*0.1*	2	-30	-30	-31	-32	0.12	0.12	0.07	0.07	56.86
Eskay Creek	P1 100-130 cm	11 - 19 mm	16-Aug-96	EPA 600	7.3	1.75	1.74	0.02	0.021	0.000	55	54	3	*0.1*	2	-52	-51	-52	-52	0.05	0.06	0.04	0.04	75.81
Eskay Creek	P1 100-130 cm	>19 mm	16-Aug-96	EPA 600	8.3	0.6	0.6	0.01	0.018	0.000	19	19	9	0.3	7	-10	-10	-12	-12	0.48	0.48	0.36	0.36	75.81
Eskay Creek	P1 160-200 cm	<50 um	16-Aug-96	EPA 600	9.3	0.24	0.2	0.05	0.049	0.000	8	6	13	*0.1*	2	6	7	-5	-4	1.73	2.08	0.30	0.36	17.49
Eskay Creek	P1 160-200 cm	<2 mm	16-Aug-96	EPA 600	3.4	1.12	0.59	0.44	0.035	0.055	35	20	-1	*0.1*	2	-36	-21	-33	-18	-0.03	-0.05	0.06	0.11	-227.43
Eskay Creek	P1 160-200 cm	2 - 11 mm	16-Aug-96	EPA 600	4	0.88	0.62	0.26	0.032	0.000	28	19	2	*0.1*	2	-26	-17	-25	-17	0.07	0.10	0.08	0.12	113.71
Eskay Creek	P1 160-200 cm	11 - 19 mm	16-Aug-96	EPA 600	5.2	0.9	0.69	0.16	0.025	0.025	28	22	4	*0.1*	2	-24	-18	-26	-20	0.14	0.18	0.08	0.10	56.86
Eskay Creek	P1 160-200 cm	>19 mm	16-Aug-96	EPA 600	7	0.59	0.52	0.06	0.011	0.000	18	16	7	*0.1*	2	-11	-9	-16	-14	0.38	0.43	0.12	0.14	32.49
Eskay Creek	P3 0-50 cm	<50 um	16-Aug-96	EPA 600																				
Eskay Creek	P3 0-50 cm	<2 mm	16-Aug-96	EPA 600	3.2	2.88	2.19	0.76	0.040	0.000	90	68	-7	*0.1*	2	-97	-75	-88	-66	-0.08	-0.10	0.03	0.03	-32.49
Eskay Creek	P3 0-50 cm	2 - 11 mm	16-Aug-96	EPA 600																				
Eskay Creek	P3 0-50 cm	11 - 19 mm	16-Aug-96	EPA 600	4.4	1.28	1.18	0.11	0.052	0.000	40	37	0	*0.1*	2	-40	-37	-38	-35	0.00	0.00	0.06	0.06	#DIV/0!
Eskay Creek	P3 0-50 cm	>19 mm	16-Aug-96	EPA 600	5.9	0.64	0.59	0.06	0.057	0.000	20	18	5	0.4	9	-15	-13	-11	-9	0.25	0.27	0.45	0.49	181.94
Eskay Creek	P3 50-120 cm	<50 um	16-Aug-96	EPA 600	9.3	3.05	3.04	0.09	0.100	0.000	95	95	10	*0.1*	2	-85	-85	-93	-93	0.10	0.11	0.02	0.02	22.74
Eskay Creek	P3 50-120 cm	<2 mm	16-Aug-96	EPA 600	6.3	3.84	3.76	0.17	0.071	0.000	120	118	5	*0.1*	2	-115	-113	-118	-115	0.04	0.04	0.02	0.02	45.49
Eskay Creek	P3 50-120 cm	2 - 11 mm	16-Aug-96	EPA 600	6.5	3.17	3.07	0.06	0.056	0.000	99	96	7	0.3	7	-92	-89	-92	-89	0.07	0.07	0.07	0.07	97.47
Eskay Creek	P3 50-120 cm	11 - 19 mm	16-Aug-96	EPA 600	6.7	8.16	8.33	0.07	0.023	0.000	255	260	9	0.3	7	-246	-251	-248	-253	0.04	0.03	0.03	0.03	75.81
Eskay Creek	P3 50-120 cm	>19 mm	16-Aug-96	EPA 600	7.4	0.65	0.62	0.02	0.072	0.000	20	19	5	0.4	9	-15	-14	-11	-10	0.25	0.26	0.45	0.47	181.94
Eskay Creek	P3 120 cm-Bottom	<50 um	16-Aug-96	EPA 600																				
Eskay Creek	P3 120 cm-Bottom	<2 mm	16-Aug-96	EPA 600	4	5.13	4.64	0.58	0.029	0.000	160	145	-4	*0.1*	2	-164	-149	-158	-143	-0.02	-0.03	0.01	0.02	-56.86
Eskay Creek	P3 120 cm-Bottom	2 - 11 mm	16-Aug-96	EPA 600	4.5	3.29	3.08	0.32	0.026	0.000	103	96	-1	*0.1*	2	-104	-97	-101	-94	-0.01	-0.01	0.02	0.02	-227.43
Eskay Creek	P3 120 cm-Bottom	11 - 19 mm	16-Aug-96	EPA 600	5.1	1.87	1.73	0.2	0.023	0.000	58	54	10	0.5	11	-48	-44	-47	-43	0.17	0.18	0.19	0.21	113.71
Eskay Creek	P3 120 cm-Bottom	>19 mm	16-Aug-96	EPA 600	5.4	1.05	0.96	0.07	0.021	0.000	33	30	2	*0.1*	2	-31	-28	-31	-28	0.06	0.07	0.07	0.08	113.71
Eskay Creek	P4 0-0.5 m	<50 um	16-Aug-96	EPA 600	9.4	1.65	1.57	0.05	0.044	0.000	52	49	15	*0.1*	2	-37	-34	-49	-47	0.29	0.31	0.04	0.05	15.16
Eskay Creek	P4 0-0.5 m	<2 mm	16-Aug-96	EPA 600	7.6	2.13	2.04	0.06	0.032	0.000	67	64	25	0.6	14	-42	-39	-53	-50	0.38	0.39	0.21	0.21	54.58
Eskay Creek	P4 0-0.5 m	2 - 11 mm	16-Aug-96	EPA 600	7.6	1.62	1.48	0.03	0.015	0.095	51	49	38	1	23	-13	-11	-28	-26	0.75	0.77	0.45	0.46	59.85
Eskay Creek	P4 0-0.5 m	11 - 19 mm	16-Aug-96	EPA 600	8.3	1.9	1.98	0.02	0.034	0.000	59	62	31	0.8	18	-28	-31	-41	-44	0.52	0.50	0.31	0.29	58.69
Eskay Creek	P4 0-0.5 m	>19 mm	16-Aug-96	EPA 600	7.7	0.73	0.68	0.03	0.020	0.000	23	21	47	1.7	39	24	26	16	17	2.06	2.21	1.69	1.82	82.26
Eskay Creek	P4 0.5-0.6 m	<50 um	16-Aug-96	EPA 600	8.1	1.72	1.53	0.15	0.107	0.000	54	48	3	*0.1*	2	-51	-45	-51	-46	0.06	0.06	0.04	0.05	75.81
Eskay Creek	P4 0.5-0.6 m	<2 mm	16-Aug-96	EPA 600	2.7	2.93	1.97	1	0.072	0.000	92	62	-16	*0.1*	2	-108	-78	-89	-59	-0.17	-0.26	0.02	0.04	-14.21
Eskay Creek	P4 0.5-0.6 m	2 - 11 mm	16-Aug-96	EPA 600	2.8	2.75	2.11	0.65	0.067	0.000	86	66	-10	*0.1*	2	-96	-76	-84	-64	-0.12	-0.15	0.03	0.03	-22.74
Eskay Creek	P4 0.5-0.6 m	11 - 19 mm	16-Aug-96	EPA 600	2.8	3.31	2.85	0.5	0.078	0.000	103	89	-9	*0.1*	2	-112	-98	-101	-87	-0.09	-0.10	0.02	0.03	-25.27
Eskay Creek	P4 0.5-0.6 m	>19 mm	16-Aug-96	EPA 600	3.1	6.24	5.77	0.47	0.034	0.000	195	180	-10	0.3	7	-205	-190	-188	-173	-0.05	-0.06	0.03	0.04	-68.23
Eskay Creek	P4 1.5-2.2 m	<50 um	16-Aug-96	EPA 600	8.9	1.27	0.99	0.29	0.067	0.000	40	31	5	*0.1*	2	-35	-26	-37	-29	0.13	0.16	0.06	0.07	45.49
Eskay Creek	P4 1.5-2.2 m	<2 mm	16-Aug-96	EPA 600	4.9	2.09	1.4	0.62	0.049	0.021	65	44	1	*0.1*	2	-64	-43	-63	-42	0.02	0.02	0.03	0.05	227.43
Eskay Creek	P4 1.5-2.2 m	2 - 11 mm	16-Aug-96	EPA 600	5.9	1.26	1.09	0.14	0.042	0.000	39	34	7	*0.1*	2	-32	-27	-37	-32	0.18	0.21	0.06	0.07	32.49
Eskay Creek	P4 1.5-2.2 m	11 - 19 mm	16-Aug-96	EPA 600	7.1	0.93	0.84	0.06	0.026	0.004	29	26	8	*0.1*	2	-21	-18	-27	-24	0.28	0.30	0.08	0.09	28.43
Eskay Creek	P4 1.5-2.2 m	>19 mm	16-Aug-96	EPA 600	7.5	0.58	0.57	0.04	0.027	0.000	18	18	4	0.3	7	-14	-14	-11	-11	0.22	0.22	0.38	0.38	170.57
Eskay Creek	P4 2.2-2.35 m	<50 um	16-Aug-96	EPA 600	7.3	3.9	3.68	0.28	0.124	0.000	122	115	4	*0.1*	2	-118	-111	-120	-113	0.03	0.03	0.02	0.02	56.86
Eskay Creek	P4 2.2-2.35 m	<2 mm	16-Aug-96	EPA 600	3.6	6.2	5.08	1.18	0.104	0.000	194	159	0	*0.1*	2	-194	-159	-191	-156	0.00	0.00	0.01	0.01	#DIV/0!
Eskay Creek	P4 2.2-2.35 m	2 - 11 mm	16-Aug-96	EPA 600	4.2	4.82	4.53	0.48	0.077	0.000	151	142	11	0.6	14	-140	-131	-137	-128	0.07	0.08	0.09	0.10	124.05
Eskay Creek	P4 2.2-2.35 m	11 - 19 mm	16-Aug-96	EPA 600	5.1	7.57	7.34	0.28	0.063	0.000	237	229	7	0.3	7	-230	-222	-230	-223	0.03	0.03	0.03	0.03	97.47
Eskay Creek	P4 2.2-2.35 m	>19 mm	16-Aug-96	EPA 600	5.8	5.96	5.73	0.21	0.054	0.000	186	179	34	1.7	39	-152	-145	-148	-140	0.18	0.19	0.21	0.22	113.71

Note: If data was reported as < detection limit then half the detection limit is shown in italics.

Note: If data was reported as > detection limit then the detection limit is shown underlined.

MDA Waste Rock Data

Site Location	Sample Id.	Sample Size Fraction	Sampling Date - ICP Metals	Analysis Date - ICP Metals	Method - ICP Metals	As (ppm)	Bi (ppm)	Cd (ppm)	Co (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Se (ppm)	Zn (ppm)
Eskay Creek	P1 0-10 cm	<50 um				196	<2	5.5	10	159	10	34	854	58	0.2	1025
Eskay Creek	P1 0-10 cm	<2 mm				216	*1*	5.5	48	140	13	38	622	78	2	1110
Eskay Creek	P1 0-10 cm	2 - 11 mm				128	*1*	3	21	54	9	42	132	18	0.2	454
Eskay Creek	P1 0-10 cm	11 - 19 mm				72	2	4.5	23	54	11	41	32	10	*0.1*	488
Eskay Creek	P1 0-10 cm	>19 mm				36	*1*	2	25	43	37	49	18	4	1	234
Eskay Creek	P1 40-60 cm	<50 um				102	2	1.5	1	57	3	1	558	106	*0.1*	384
Eskay Creek	P1 40-60 cm	<2 mm				100	2	4	11	63	4	1	668	202	*0.1*	1115
Eskay Creek	P1 40-60 cm	2 - 11 mm				80	2	4	20	46	3	5	688	146	*0.1*	1030
Eskay Creek	P1 40-60 cm	11 - 19 mm				40	2	*0.25*	20	17	2	8	38	6	*0.1*	56
Eskay Creek	P1 40-60 cm	>19 mm				82	*1*	8.5	13	104	2	5	3680	542	0.6	2020
Eskay Creek	P1 100-130 cm	<50 um				134	*1*	2.5	*0.5*	52	4	*0.5*	854	16	*0.1*	638
Eskay Creek	P1 100-130 cm	<2 mm				94	*1*	3	12	32	3	*0.5*	486	20	*0.1*	872
Eskay Creek	P1 100-130 cm	2 - 11 mm				76	*1*	2	30	13	2	*0.5*	958	10	*0.1*	530
Eskay Creek	P1 100-130 cm	11 - 19 mm				92	2	0.5	30	64	1	*0.5*	136	28	*0.1*	304
Eskay Creek	P1 100-130 cm	>19 mm				36	*1*	2	23	14	1	6	198	8	*0.1*	576
Eskay Creek	P1 160-200 cm	<50 um				60	2	6	*0.5*	127	3	*0.5*	1815	20	*0.1*	654
Eskay Creek	P1 160-200 cm	<2 mm				94	4	3.5	4	76	6	*0.5*	1085	30	*0.1*	1185
Eskay Creek	P1 160-200 cm	2 - 11 mm				72	2	2	11	68	4	*0.5*	776	14	*0.1*	716
Eskay Creek	P1 160-200 cm	11 - 19 mm				56	*1*	0.5	7	24	4	*0.5*	244	8	*0.1*	256
Eskay Creek	P1 160-200 cm	>19 mm				32	*1*	9.5	19	16	3	*0.5*	202	20	*0.1*	3010
Eskay Creek	P3 0-50 cm	<50 um														
Eskay Creek	P3 0-50 cm	<2 mm				254	2	12.5	15	81	1	*0.5*	5450	40	3	3340
Eskay Creek	P3 0-50 cm	2 - 11 mm														
Eskay Creek	P3 0-50 cm	11 - 19 mm				128	*1*	1	48	9	*0.5*	*0.5*	654	18	*0.1*	284
Eskay Creek	P3 0-50 cm	>19 mm				70	*1*	1	43	12	1	*0.5*	126	10	*0.1*	210
Eskay Creek	P3 50-120 cm	<50 um				206	*1*	54.5	*0.5*	760	2	1	10000	104	12.6	8500
Eskay Creek	P3 50-120 cm	<2 mm				238	*1*	57.5	14	666	3	*0.5*	6230	86	2	10000
Eskay Creek	P3 50-120 cm	2 - 11 mm				120	*1*	84	45	1135	1	*0.5*	10000	42	8.6	10000
Eskay Creek	P3 50-120 cm	11 - 19 mm				500	2	87	33	228	3	*0.5*	9490	78	19	10000
Eskay Creek	P3 50-120 cm	>19 mm				66	*1*	1.5	38	12	1	*0.5*	102	18	*0.1*	254
Eskay Creek	P3 120 cm-Bottom	<50 um														
Eskay Creek	P3 120 cm-Bottom	<2 mm				286	2	66	13	60	1	*0.5*	10000	52	5	10000
Eskay Creek	P3 120 cm-Bottom	2 - 11 mm				234	*1*	37	21	44	1	*0.5*	7520	32	3.4	9080
Eskay Creek	P3 120 cm-Bottom	11 - 19 mm				130	*1*	15.5	31	26	1	*0.5*	3610	22	3	3930
Eskay Creek	P3 120 cm-Bottom	>19 mm				86	*1*	5.5	34	14	1	*0.5*	880	20	0.4	1260
Eskay Creek	P4 0-0.5 m	<50 um				188	4	6	1	289	6	7	1315	252	*0.1*	1395
Eskay Creek	P4 0-0.5 m	<2 mm				138	2	9.5	10	383	7	7	1375	472	*0.1*	2460
Eskay Creek	P4 0-0.5 m	2 - 11 mm				96	4	2	6	198	4	5	548	58	*0.1*	670
Eskay Creek	P4 0-0.5 m	11 - 19 mm				60	4	*0.5*	20	31	3	4	68	10	*0.1*	154
Eskay Creek	P4 0-0.5 m	>19 mm				52	*1*	0.5	26	46	7	41	28	6	*0.1*	114
Eskay Creek	P4 0.5-0.6 m	<50 um				126	2	4.5	1	162	18	3	2060	152	2.8	666
Eskay Creek	P4 0.5-0.6 m	<2 mm				318	2	7	5	125	33	11	934	252	6	1480
Eskay Creek	P4 0.5-0.6 m	2 - 11 mm				234	2	6.5	3	101	27	11	548	152	*0.1*	1360
Eskay Creek	P4 0.5-0.6 m	11 - 19 mm				316	2	5	9	109	27	13	454	146	1.6	1020
Eskay Creek	P4 0.5-0.6 m	>19 mm				850	*1*	5	19	150	29	24	390	196	1.6	838
Eskay Creek	P4 1.5-2.2 m	<50 um				160	2	5.5	<1	320	6	1	1545	460	*0.1*	1450
Eskay Creek	P4 1.5-2.2 m	<2 mm				198	2	12	5	269	8	3	1870	1050	*0.1*	3210
Eskay Creek	P4 1.5-2.2 m	2 - 11 mm				86	*1*	3.5	12	165	5	3	730	364	0.2	992
Eskay Creek	P4 1.5-2.2 m	11 - 19 mm				56	2	0.5	28	26	4	<1	152	58	*0.1*	226
Eskay Creek	P4 1.5-2.2 m	>19 mm				36	*1*	0.5	28	47	4	1	1625	46	*0.1*	288
Eskay Creek	P4 2.2-2.35 m	<50 um				518	2	37	4	2520	24	18	10000	10000	*0.1*	8030
Eskay Creek	P4 2.2-2.35 m	<2 mm				562	*1*	72.5	7	2650	20	27	10000	10000	*0.1*	10000
Eskay Creek	P4 2.2-2.35 m	2 - 11 mm				682	*1*	61	15	2300	18	19	9480	10000	*0.1*	10000
Eskay Creek	P4 2.2-2.35 m	11 - 19 mm				326	*1*	100	28	4300	15	3	10000	10000	*0.1*	10000
Eskay Creek	P4 2.2-2.35 m	>19 mm				310	*1*	100	15	5200	17	37	10000	10000	2	10000

Note: If data was reported as < detection limit then half the detection limit is shown in italics.

Note: If data was reported as > detection limit then the detection limit is shown underlined.

MDA Waste Rock Data

Site Location	Sample Id.	Sample Size Fraction	Sampling Date - Whole Rock	Analysis Date - Whole Rock	Whole Rock Method	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba (ppm)	Rb (ppm)	Sr (ppm)	Nb (ppm)	Zr (ppm)	Y (ppm)
Eskay Creek	P1 0-10 cm	<50 um			XRF	18.42	2.36	0.01	5.78	5.19	4.32	0.08	0.93	0.12	51.76	0.6	8.43	98	1640	150	40	40	240	80
Eskay Creek	P1 0-10 cm	<2 mm			XRF	13.84	4.18	0.01	6.4	3.64	3.73	0.1	0.59	0.14	56.69	0.58	7.3	97.2	1360	110	70	20	150	60
Eskay Creek	P1 0-10 cm	2 - 11 mm			XRF	12.61	6.38	0.03	7.38	2.26	4.43	0.13	1.27	0.15	55.22	0.8	7	97.66	860	60	90	10	110	40
Eskay Creek	P1 0-10 cm	11 - 19 mm			XRF	12.25	6.11	0.03	8.16	2.22	4.71	0.1	1.06	0.15	57.28	0.85	6.51	99.43	1000	70	90	10	100	40
Eskay Creek	P1 0-10 cm	>19 mm			XRF	12.15	9.3	0.03	10.09	0.83	5.78	0.16	2.29	0.22	49.64	1.22	7.52	99.23	375	32	210	4	75	28
Eskay Creek	P1 40-60 cm	<50 um			XRF	22.82	0.06	*0.005*	2.4	7.84	3.6	0.04	0.7	0.01	53.89	0.17	7.04	98.57	1880	250	*5*	80	390	150
Eskay Creek	P1 40-60 cm	<2 mm			XRF	15.1	0.34	*0.005*	2.42	5.1	3.01	0.04	0.1	0.02	66.93	0.13	4.93	98.12	1680	160	*5*	50	230	110
Eskay Creek	P1 40-60 cm	2 - 11 mm			XRF	11.19	0.7	*0.005*	2.31	3.44	2.42	0.03	0.26	0.03	74.75	0.16	3.72	99.01	1040	120	*5*	40	160	80
Eskay Creek	P1 40-60 cm	11 - 19 mm			XRF	12.52	2.38	*0.005*	3.2	3.1	5.13	0.1	0.48	0.05	66.83	0.37	4.74	98.9	800	110	90	40	170	80
Eskay Creek	P1 40-60 cm	>19 mm			XRF	11.17	2.03	0.01	5.94	1.59	8.31	0.18	0.36	0.04	61.6	0.28	7.4	98.93	400	64	6	30	150	64
Eskay Creek	P1 100-130 cm	<50 um			XRF	21.72	0.03	*0.005*	2.49	7.23	4.13	0.05	0.5	0.01	55.63	0.15	6.51	98.45	1840	230	*5*	70	370	150
Eskay Creek	P1 100-130 cm	<2 mm			XRF	14.52	0.13	*0.005*	2.38	4.59	3.63	0.06	0.07	0.01	67.99	0.11	4.74	98.23	1580	150	*5*	50	230	110
Eskay Creek	P1 100-130 cm	2 - 11 mm			XRF	10.43	0.04	*0.005*	1.65	3.02	3.65	0.05	0.04	0.01	76.69	0.08	3.76	99.42	840	100	*5*	40	160	80
Eskay Creek	P1 100-130 cm	11 - 19 mm			XRF	10.64	0.03	*0.005*	2.39	3.62	2.15	0.03	0.04	0.01	75.61	0.08	3.75	98.35	880	130	*5*	40	170	90
Eskay Creek	P1 100-130 cm	>19 mm			XRF	9.02	0.68	0.01	2.13	1.89	5.52	0.09	0.14	0.03	75.83	0.2	3.64	99.18	750	74	10	28	135	64
Eskay Creek	P1 160-200 cm	<50 um			XRF	23.12	0.05	0.01	0.94	5.41	8.94	0.17	0.73	0.01	50.31	0.15	9.47	99.31	2100	200	*5*	70	360	150
Eskay Creek	P1 160-200 cm	<2 mm			XRF	15.43	0.05	*0.005*	2.24	3.31	9.82	0.2	0.11	0.01	59.44	0.11	8.14	98.86	1520	120	*5*	50	250	120
Eskay Creek	P1 160-200 cm	2 - 11 mm			XRF	14.8	0.03	*0.005*	1.62	3.04	9.89	0.19	0.04	0.01	62.4	0.1	7.23	99.35	1360	110	*5*	50	230	110
Eskay Creek	P1 160-200 cm	11 - 19 mm			XRF	15.37	0.02	*0.005*	1.64	2.54	12.81	0.25	0.06	0.01	58.91	0.1	7.66	99.37	1060	100	*5*	50	220	100
Eskay Creek	P1 160-200 cm	>19 mm			XRF	7.71	0.03	*0.005*	1.02	0.98	9.06	0.2	0.13	0.01	74.27	0.06	5.18	98.65	475	40	*1*	28	126	62
Eskay Creek	P3 0-50 cm	<50 um																						
Eskay Creek	P3 0-50 cm	<2 mm			XRF	8.38	0.11	0.01	4.8	2.76	1.55	0.03	0.12	0.01	72.7	0.06	6.78	97.31	1700	80	20	30	120	50
Eskay Creek	P3 0-50 cm	2 - 11 mm																						
Eskay Creek	P3 0-50 cm	11 - 19 mm			XRF	6.32	0.04	0.01	1.96	2.28	0.77	*0.005*	0.02	*0.005*	84.45	0.05	2.78	98.68	2220	60	*5*	20	100	40
Eskay Creek	P3 0-50 cm	>19 mm			XRF	5.79	0.28	*0.005*	1.29	2.19	0.92	0.01	*0.005*	*0.005*	86.25	0.05	2.33	99.11	2430	60	8	26	99	42
Eskay Creek	P3 50-120 cm	<50 um			XRF	14.82	0.11	0.01	4.05	4.5	2.75	0.06	0.81	*0.005*	62.17	0.08	6.65	96.02	4280	120	*5*	30	170	70
Eskay Creek	P3 50-120 cm	<2 mm			XRF	8.29	0.19	0.01	4.38	2.21	1.57	0.04	0.53	*0.005*	71.78	0.05	4.81	93.86	3060	60	10	20	100	50
Eskay Creek	P3 50-120 cm	2 - 11 mm			XRF	5.71	0.16	*0.005*	2.71	1.89	1.15	0.03	0.75	*0.005*	79.13	0.05	3.61	95.19	2400	50	*5*	10	100	40
Eskay Creek	P3 50-120 cm	11 - 19 mm			XRF	5.32	0.21	*0.005*	10.18	1.22	2.86	0.08	0.78	*0.005*	67.25	0.04	7.57	95.51	980	40	10	10	70	30
Eskay Creek	P3 50-120 cm	>19 mm			XRF	5.8	0.15	0.01	1.43	2.19	0.95	0.02	*0.005*	*0.005*	86	0.05	1.95	98.55	3080	58	6	24	96	46
Eskay Creek	P3 120 cm-Bottom	<50 um																						
Eskay Creek	P3 120 cm-Bottom	<2 mm			XRF	7.56	0.09	*0.005*	6.43	1.95	3.29	0.09	0.74	*0.005*	66.75	0.05	7.85	94.8	1240	60	*5*	10	100	40
Eskay Creek	P3 120 cm-Bottom	2 - 11 mm			XRF	6.42	0.06	*0.005*	4.59	1.66	2.71	0.07	0.4	*0.005*	75.62	0.05	5.53	97.11	1100	50	*5*	10	90	40
Eskay Creek	P3 120 cm-Bottom	11 - 19 mm			XRF	6.58	0.39	0.01	3.45	1.49	3.4	0.09	0.16	*0.005*	78.46	0.05	4.55	98.63	1000	50	*5*	20	100	40
Eskay Creek	P3 120 cm-Bottom	>19 mm			XRF	5.69	0.11	0.01	2.09	1.68	1.68	0.04	0.06	*0.005*	85.25	0.05	2.64	99.3	905	58	*1*	24	90	40
Eskay Creek	P4 0-0.5 m	<50 um			XRF	20.98	0.29	*0.005*	2.74	4.14	12.31	0.12	0.75	0.04	47.82	0.24	9.58	99.01	1880	150	10	60	330	120
Eskay Creek	P4 0-0.5 m	<2 mm			XRF	15.62	0.86	*0.005*	3.4	2.85	12.43	0.14	0.22	0.03	53.11	0.21	8.51	97.38	1360	90	30	50	240	110
Eskay Creek	P4 0-0.5 m	2 - 11 mm			XRF	13.29	1.37	0.01	3.01	1.32	17.01	0.18	0.15	0.03	53.19	0.19	9.1	98.85	660	50	40	40	210	100
Eskay Creek	P4 0-0.5 m	11 - 19 mm			XRF	11.51	1.56	*0.005*	4.16	1.83	11.19	0.15	0.33	0.04	60.19	0.28	7.56	98.8	1460	60	50	40	180	70
Eskay Creek	P4 0-0.5 m	>19 mm			XRF	16.37	9.69	0.03	8.31	1.8	6.17	0.12	0.7	0.12	49.92	1.09	5.58	99.9	875	56	80	16	114	58
Eskay Creek	P4 0.5-0.6 m	<50 um			XRF	23.01	0.03	0.02	2.18	6.64	6.26	0.05	0.65	0.02	48.25	1.18	9.89	98.18	4580	190	*5*	*5*	240	70
Eskay Creek	P4 0.5-0.6 m	<2 mm			XRF	18.72	0.12	*0.005*	3.65	5.1	6.59	0.06	0.11	0.03	49.26	0.92	14.12	98.68	3080	160	*5*	*5*	190	60
Eskay Creek	P4 0.5-0.6 m	2 - 11 mm			XRF	17.23	0.11	0.01	3.12	4.52	6.72	0.07	0.06	0.02	53.15	0.86	13.01	98.88	2880	140	10	*5*	170	70
Eskay Creek	P4 0.5-0.6 m	11 - 19 mm			XRF	14.81	0.05	*0.005*	3.92	4	5.28	0.05	0.1	0.01	56.51	0.83	11.83	97.39	3340	130	*5*	*5*	140	40
Eskay Creek	P4 0.5-0.6 m	>19 mm			XRF	14.87	0.11	0.02	7.52	4.07	5.12	0.06	0.05	<.01	54.59	0.96	11.79	99.16	1460	128	6	4	99	34
Eskay Creek	P4 1.5-2.2 m	<50 um			XRF	23.42	0.08	*0.005*	2.54	7.4	5.51	0.07	0.69	0.03	49.81	0.22	8.55	98.32	2860	220	*5*	70	390	130
Eskay Creek	P4 1.5-2.2 m	<2 mm			XRF	17.69	0.46	*0.005*	3.46	5.1	5.75	0.08	0.22	0.04	56.48	0.18	8.43	97.89	2080	160	20	50	270	110
Eskay Creek	P4 1.5-2.2 m	2 - 11 mm			XRF	15.55	0.29	0.02	2.02	4.31	5.35	0.07	0.14	0.03	65.9	0.16	5.95	99.79	1800	140	*5*	50	230	100
Eskay Creek	P4 1.5-2.2 m	11 - 19 mm			XRF	10.87	0.05	*0.005*	1.38	3.13	3.93	0.05	0.04	0.01	75.03	0.08	4.41	98.98	1100	110	*5*	30	160	90
Eskay Creek	P4 1.5-2.2 m	>19 mm			XRF	9.56	0.07	*0.005*	1.33	2.87	2.77	0.04	0.01	0.01	78.95	0.07	3.25	98.93	1140	100	*1*	32	147	60
Eskay Creek	P4 2.2-2.35 m	<50 um			XRF	20.75	0.13	0.01	4.03	6.84	3.24	0.03	0.9	0.06	47.62	0.56	9.48	93.65	5320	160	*5*	30	230	70
Eskay Creek	P4 2.2-2.35 m	<2 mm			XRF	14.27	1.14	*0.005*	5.1	4.65	2.89	0.05	0.93	0.06	49.26	0.41	12.06	90.82	4460	110	10	20	160	60
Eskay Creek	P4 2.2-2.35 m	2 - 11 mm			XRF	12.07	0.69	0.03	4.07	3.87	2.65	0.05	0.64	0.05	59.61	0.31	8.98	93.02	3300	90	*5*	20	130	50
Eskay Creek	P4 2.2-2.35 m	11 - 19 mm			XRF	8.49	0.44	0.01	3.29	2.83	1.45	0.05	2.15	0.04	58.56	0.26	8.14	85.71	2680	40	*5*	10	90	40
Eskay Creek	P4 2.2-2.35 m	>19 mm			ICP-AES/XRF	8.73	1.73	0.01	3.33	2.71	1.83	0.1	0.2	0.22	62.7	0.25	8.16	89.97	2330	62	12	8	90	42

Note: If data was reported as < detection limit then half the detection limit is shown in italics.

Note: If data was reported as > detection limit then the detection limit is shown underlined.

MDA Waste Rock Data

Site Location	Sample Id.	Sample Size Fraction	Sample Type	pH (soil:water =1:1)	pH (soil:water =1:2)	Munsell Colour	Field Sample Weight (g)	Air Dried Sample Weight (g)	Weight for CBD (g)	Weight After CBD Treatment 2 - 11 mm (g)	Weight After CBD Treatment 2 mm - 50 um (g)	Weight After CBD Treatment <50 um (g)	Weight After CBD Treatment Sum (g)	CBD Extractable Weight (g)	% of 11- 2 mm Fraction (CBD Treatment)	% of 2 mm - 50 um Fraction (CBD Treatment)	% of < 50 um Fraction (CBD Treatment)	% of CBD Extractable Fraction
Eskay Creek	P1 0-10 cm	<50 um																
Eskay Creek	P1 0-10 cm	<2 mm		7.17		2.5Y 5/0		224.59	90		61.99	24.2	86.19	3.81		0.72	0.28	
Eskay Creek	P1 0-10 cm	2 - 11 mm						351.12	300	235.19	39.4	21.97	296.56	3.44	0.79	0.13	0.07	
Eskay Creek	P1 0-10 cm	11 - 19 mm						197.27										
Eskay Creek	P1 0-10 cm	>19 mm						892										
Eskay Creek	P1 40-60 cm	<50 um																
Eskay Creek	P1 40-60 cm	<2 mm		6.07		2.5Y 8/0		521.48	300		207.55	86.31	293.86	6.14		0.71	0.29	
Eskay Creek	P1 40-60 cm	2 - 11 mm						766.3	300	251.36	26.58	15.17	293.11	6.89	0.86	0.09	0.05	
Eskay Creek	P1 40-60 cm	11 - 19 mm						315.02										
Eskay Creek	P1 40-60 cm	>19 mm						238.9										
Eskay Creek	P1 100-130 cm	<50 um																
Eskay Creek	P1 100-130 cm	<2 mm		4.23		10YR 8/3		432.17	250		176.31	65.77	242.08	7.92		0.73	0.27	
Eskay Creek	P1 100-130 cm	2 - 11 mm						577.08	300	240.51	45.8	11.4	297.71	2.29	0.81	0.15	0.04	
Eskay Creek	P1 100-130 cm	11 - 19 mm						219.09										
Eskay Creek	P1 100-130 cm	>19 mm						464.44										
Eskay Creek	P1 160-200 cm	<50 um																
Eskay Creek	P1 160-200 cm	<2 mm		2.62		10YR 8/4		222.51	90		70.46	15.7	86.16	3.84		0.82	0.18	
Eskay Creek	P1 160-200 cm	2 - 11 mm						891.6	300	223.28	45.69	23.35	292.32	7.68	0.76	0.16	0.08	
Eskay Creek	P1 160-200 cm	11 - 19 mm						252.46										
Eskay Creek	P1 160-200 cm	>19 mm						641.5										
Eskay Creek	P3 0-50 cm	<50 um																
Eskay Creek	P3 0-50 cm	<2 mm		2.55		2.5Y 7/6		103.52										
Eskay Creek	P3 0-50 cm	2 - 11 mm						230.91	300	190.91	20.43	13.85	225.19	74.81	0.85	0.09	0.06	
Eskay Creek	P3 0-50 cm	11 - 19 mm						181.08										
Eskay Creek	P3 0-50 cm	>19 mm						1595.4										
Eskay Creek	P3 50-120 cm	<50 um																
Eskay Creek	P3 50-120 cm	<2 mm		6.13		7.5YR 8/0		437.99	250		201	41.35	242.35	7.65		0.83	0.17	
Eskay Creek	P3 50-120 cm	2 - 11 mm						895.8	300	275.7	9.7	8.22	293.62	6.38	0.94	0.03	0.03	
Eskay Creek	P3 50-120 cm	11 - 19 mm						419.79										
Eskay Creek	P3 50-120 cm	>19 mm						532.69										
Eskay Creek	P3 120 cm-Bottom	<50 um																
Eskay Creek	P3 120 cm-Bottom	<2 mm		2.83		10YR 7/4		107.88										
Eskay Creek	P3 120 cm-Bottom	2 - 11 mm						543.62	300	209.73	46	22.08	277.81	22.19	0.75	0.17	0.08	
Eskay Creek	P3 120 cm-Bottom	11 - 19 mm						254.34										
Eskay Creek	P3 120 cm-Bottom	>19 mm						962.1										
Eskay Creek	P4 0-0.5 m	<50 um																
Eskay Creek	P4 0-0.5 m	<2 mm		5.94		2.5Y 7/0		279.19	140		100.55	32.55	133.1	6.9		0.76	0.24	
Eskay Creek	P4 0-0.5 m	2 - 11 mm						451.36	300	279.3	10.07	9.06	298.43	1.57	0.94	0.03	0.03	
Eskay Creek	P4 0-0.5 m	11 - 19 mm						371.37										
Eskay Creek	P4 0-0.5 m	>19 mm						1520.2										
Eskay Creek	P4 0.5-0.6 m	<50 um																
Eskay Creek	P4 0.5-0.6 m	<2 mm		2.41		2.5Y 3/0		271.43	130		82.7	35.57	118.27	11.73		0.70	0.30	
Eskay Creek	P4 0.5-0.6 m	2 - 11 mm						643	300	201.38	43.75	41.51	286.64	13.36	0.70	0.15	0.14	
Eskay Creek	P4 0.5-0.6 m	11 - 19 mm						220.5										
Eskay Creek	P4 0.5-0.6 m	>19 mm						666.3										
Eskay Creek	P4 1.5-2.2 m	<50 um																
Eskay Creek	P4 1.5-2.2 m	<2 mm		3.95		10YR 7/4		424.97	250		171.33	62.63	233.96	16.04		0.73	0.27	
Eskay Creek	P4 1.5-2.2 m	2 - 11 mm						531.79	300	249.84	25.46	17.78	293.08	6.92	0.85	0.09	0.06	
Eskay Creek	P4 1.5-2.2 m	11 - 19 mm						377.8										
Eskay Creek	P4 1.5-2.2 m	>19 mm						2959.2										
Eskay Creek	P4 2.2-2.35 m	<50 um																
Eskay Creek	P4 2.2-2.35 m	<2 mm		2.78		7.5YR 4/0		388.45	225		143.98	59.77	203.75	21.25		0.71	0.29	
Eskay Creek	P4 2.2-2.35 m	2 - 11 mm						1767	300	220.35	40.62	27.03	288	12	0.77	0.14	0.09	
Eskay Creek	P4 2.2-2.35 m	11 - 19 mm						658.2										
Eskay Creek	P4 2.2-2.35 m	>19 mm						329.2										

Note: If data was reported as < detection limit then half the detection limit is shown in italics.

Note: If data was reported as > detection limit then the detection limit is shown underlined.

MDA Waste Rock Data

Site Location	Sample Id.	Sample Size Fraction	CBD Extractable Al (ppm)	CBD Extractable As (ppm)	CBD Extractable Ba (ppm)	CBD Extractable Ca (ppm)	CBD Extractable Cd (ppm)	CBD Extractable Co (ppm)	CBD Extractable Cu (ppm)	CBD Extractable Fe (ppm)	CBD Extractable K (ppm)	CBD Extractable Mg (ppm)	CBD Extractable Mn (ppm)	CBD Extractable Mo (ppm)	CBD Extractable Na (ppm)	CBD Extractable Ni (ppm)	CBD Extractable Pb (ppm)	CBD Extractable Se (ppm)	CBD Extractable Si (ppm)	CBD Extractable Sr (ppm)	CBD Extractable Zn (ppm)
Eskay Creek	P1 0-10 cm	<50 um																			
Eskay Creek	P1 0-10 cm	<2 mm	5.428	0.7922	0.9137	88.33		0.0849	0.0178	115.3		4.254		0.1891			0.0486		3.34		0.1729
Eskay Creek	P1 0-10 cm	2 - 11 mm	4.292	1.108	1.769	126.5		0.1018	0.0223	115		5.684		0.233					2.328		0.3058
Eskay Creek	P1 0-10 cm	11 - 19 mm																			
Eskay Creek	P1 0-10 cm	>19 mm																			
Eskay Creek	P1 40-60 cm	<50 um																			
Eskay Creek	P1 40-60 cm	<2 mm	4.136	0.5432	3.059	97.23		0.0123		68.72		38.28		0.0338			0.0264		3.283		0.273
Eskay Creek	P1 40-60 cm	2 - 11 mm	1.097		1.543	19.52		0.002		15.91		14.18		0.0073			0.0285		0.5299		0.1845
Eskay Creek	P1 40-60 cm	11 - 19 mm																			
Eskay Creek	P1 40-60 cm	>19 mm																			
Eskay Creek	P1 100-130 cm	<50 um																			
Eskay Creek	P1 100-130 cm	<2 mm	6.463	1.524	3.301	66.15		0.0109		198.5		42.88		0.0733			0.1362		3.61		0.5698
Eskay Creek	P1 100-130 cm	2 - 11 mm	2.265	0.3144	2.262	15.28		0.0072	0.0178	64.44		32.15		0.0297					0.7213		0.3067
Eskay Creek	P1 100-130 cm	11 - 19 mm																			
Eskay Creek	P1 100-130 cm	>19 mm																			
Eskay Creek	P1 160-200 cm	<50 um																			
Eskay Creek	P1 160-200 cm	<2 mm				48.97		9.918	20.02			50.28		0.0047			49.79				99.85
Eskay Creek	P1 160-200 cm	2 - 11 mm	15.4	4.318	2.743	8.897		0.0139	0.0223	408.4		105.5		0.2826			5.307		1.866		24.11
Eskay Creek	P1 160-200 cm	11 - 19 mm																			
Eskay Creek	P1 160-200 cm	>19 mm																			
Eskay Creek	P3 0-50 cm	<50 um																			
Eskay Creek	P3 0-50 cm	<2 mm	7.086	2.106	1.182	7.107		0.008		287.7		46.57		0.1857			1.319		1.138		8.912
Eskay Creek	P3 0-50 cm	2 - 11 mm	7.628	5.312	1.992	12.59		0.0069	0.0356	384.3		33.56		0.0112			2.944		1.719		41.45
Eskay Creek	P3 0-50 cm	11 - 19 mm																			
Eskay Creek	P3 0-50 cm	>19 mm																			
Eskay Creek	P3 50-120 cm	<50 um																			
Eskay Creek	P3 50-120 cm	<2 mm	10.42	0.8652	4.098	53.05		0.0131		83.59		38.79		0.0552			2.547		8.877		151.4
Eskay Creek	P3 50-120 cm	2 - 11 mm	2.454	0.1063	3.842	7.452		0.0092	0.0045	17.77		20.61		0.0151			0.4787		1.533		46.28
Eskay Creek	P3 50-120 cm	11 - 19 mm																			
Eskay Creek	P3 50-120 cm	>19 mm																			
Eskay Creek	P3 120 cm-Bottom	<50 um																			
Eskay Creek	P3 120 cm-Bottom	<2 mm			20.4			22.01	21.15					20.06			21.46				20.77
Eskay Creek	P3 120 cm-Bottom	2 - 11 mm	13.84	6.034	1.272	21.46		0.0166	0.0089	340.2		56.51		0.0229			16.91		3.091		199.1
Eskay Creek	P3 120 cm-Bottom	11 - 19 mm																			
Eskay Creek	P3 120 cm-Bottom	>19 mm																			
Eskay Creek	P4 0-0.5 m	<50 um																			
Eskay Creek	P4 0-0.5 m	<2 mm	3.537	0.2	2.226	57.95		0.0223		60.52		16.38		0.2147			0.1077		2.308		0.1401
Eskay Creek	P4 0-0.5 m	2 - 11 mm	3.206	0.2849	1.628	95.2		0.0102	0.0223	27.52		35.82		0.1125			1.121		0.4845		0.6862
Eskay Creek	P4 0-0.5 m	11 - 19 mm																			
Eskay Creek	P4 0-0.5 m	>19 mm																			
Eskay Creek	P4 0.5-0.6 m	<50 um																			
Eskay Creek	P4 0.5-0.6 m	<2 mm	42.79	11.97	0.6032	25.93		0.1009	0.0104	523		77.23		0.6234					6.699		3.465
Eskay Creek	P4 0.5-0.6 m	2 - 11 mm	59.31	13.42	0.7217	19.78		0.1523	0.0401	583.1		124.5		0.5022					6.572		8.926
Eskay Creek	P4 0.5-0.6 m	11 - 19 mm																			
Eskay Creek	P4 0.5-0.6 m	>19 mm																			
Eskay Creek	P4 1.5-2.2 m	<50 um																			
Eskay Creek	P4 1.5-2.2 m	<2 mm	13.63	9.154	2.538	263.9		0.0344	0.073	763.8		130.1		0.3205			41.92		3.758		7.613
Eskay Creek	P4 1.5-2.2 m	2 - 11 mm	6.804	3.655	2.37	48.63		0.0189	0.0208	321.1		87.71		0.1537			0.5034		1.862		3.787
Eskay Creek	P4 1.5-2.2 m	11 - 19 mm																			
Eskay Creek	P4 1.5-2.2 m	>19 mm																			
Eskay Creek	P4 2.2-2.35 m	<50 um																			
Eskay Creek	P4 2.2-2.35 m	<2 mm	55.43	19.54	0.6669	600.3		0.2381	0.0469	559		127.5		0.2426			57.19		5.877		32.57
Eskay Creek	P4 2.2-2.35 m	2 - 11 mm	43.84	13.48	1.945	287.4		0.1713	0.0445	361.9		96.9		0.1595			3.704		3.343		20.8
Eskay Creek	P4 2.2-2.35 m	11 - 19 mm																			
Eskay Creek	P4 2.2-2.35 m	>19 mm																			

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MDA Waste Rock Data

Site Location	Sample Id.	Sample Size Fraction	Water Soluble Al (ppm)	Water Soluble As (ppm)	Water Soluble Ba (ppm)	Water Soluble Ca (ppm)	Water Soluble Cd (ppm)	Water Soluble Co (ppm)	Water Soluble Cr (ppm)	Water Soluble Cu (ppm)	Water Soluble Fe (ppm)	Water Soluble K (ppm)	Water Soluble Mg (ppm)	Water Soluble Mn (ppm)	Water Soluble Mo (ppm)	Water Soluble Na (ppm)	Water Soluble Ni (ppm)	Water Soluble Pb (ppm)	Water Soluble Se (ppm)	Water Soluble Si (ppm)	Water Soluble Sr (ppm)	Water Soluble Zn (ppm)
Eskay Creek	P1 0-10 cm	<50 um																				
Eskay Creek	P1 0-10 cm	<2 mm	0.7058	0.0182	0.1368	553.6	0.0839	0.1712		0.0887	2.93	29.32	27.6	1.831	0.1832		0.1294	0.1046	0.0446	1.2		0.2372
Eskay Creek	P1 0-10 cm	2 - 11 mm				52.66	0.161	0.4891		0.4421	0.0566	0	12.22	0.1244	0.1233	0.0258	0.2126	0.0278	0.02	0		0.0241
Eskay Creek	P1 0-10 cm	11 - 19 mm	0.1422		0.0311	17.03	0.0026	0					1.222	0.0024	0.0037		0.0084			0.4875		0.0147
Eskay Creek	P1 0-10 cm	>19 mm																				
Eskay Creek	P1 40-60 cm	<50 um																				
Eskay Creek	P1 40-60 cm	<2 mm	5.264	0.5209		185	0.2091			0.8838	41.1	20.71	110.5	3.48		75.3	0.0831	0.1409				49.75
Eskay Creek	P1 40-60 cm	2 - 11 mm		0.031		46.33	0.292	0.5815		0.5953	0.1824	0	33.83	1.433	0.2438	0.3779	0.1731	0.4874	0.0284	0		0.7011
Eskay Creek	P1 40-60 cm	11 - 19 mm		0.2296	0.0776	34.86	0.2225	15.62		0.1179		20.71	14.61	16	0.3416	0.8386	0.2485	0.2234	0.1885			0.2729
Eskay Creek	P1 40-60 cm	>19 mm																				
Eskay Creek	P1 100-130 cm	<50 um																				
Eskay Creek	P1 100-130 cm	<2 mm	1.902	0.0116	0.2005	212.8	0.067	0.534		1.004	5.818	14.15	129.3	6.196	0.2549	4.623	0.2297	2.601				2.512
Eskay Creek	P1 100-130 cm	2 - 11 mm	0.3825			39.67	0.0095	0.1607		0.1697	1.884	36.59	55.71	2.64	0.0966	0.7835	0.0826	2.179	0	0		0.7963
Eskay Creek	P1 100-130 cm	11 - 19 mm	0.088	0.0198		18.68		0.4025			4.821	35.5	18.09	1.29	0.0027	5.642	0.0125	1.117				3.909
Eskay Creek	P1 100-130 cm	>19 mm																				
Eskay Creek	P1 160-200 cm	<50 um																				
Eskay Creek	P1 160-200 cm	<2 mm	40.55	0.4608		71.77	0.9204	0.7254		2.112	197.7	76.62	395.1	22.48		185.6	0.0344	2.748				94.41
Eskay Creek	P1 160-200 cm	2 - 11 mm	29.04	0.2758		31.42	0.288			0.7496	126.1	99.71	275.5	14.96	0	128.2	0.0123	1.214	0	0		66.02
Eskay Creek	P1 160-200 cm	11 - 19 mm	19.91	0.1669	0.0282	11.9	0.1425			0.5532	55.29	50.73	144.3	7.152		55.52	0.0192	1.63		1.159		29.99
Eskay Creek	P1 160-200 cm	>19 mm																				
Eskay Creek	P3 0-50 cm	<50 um																				
Eskay Creek	P3 0-50 cm	<2 mm	67.27	1.044	0.0256	189.3	1.402			1.761	596.2	88.24	301.5	18.91		686.2	0.101	1.702		1.364		202.5
Eskay Creek	P3 0-50 cm	2 - 11 mm	0.2259	0.0211		11.69					0.0203	0	21.55	0.5544	0	21.44	0	0.9988	0	1.0021		3.655
Eskay Creek	P3 0-50 cm	11 - 19 mm	6.827	0.1734		44.39	0.2657	1.034		0.2687	104.1	47.27	47.94	4.5		114.9	0.0543	2.23				59.77
Eskay Creek	P3 0-50 cm	>19 mm																				
Eskay Creek	P3 50-120 cm	<50 um																				
Eskay Creek	P3 50-120 cm	<2 mm	1.258	0.0182	0.156	124.4	0.9008	0.1868		2.033	10.48	31.66	99.22	10.5	0.1077	208.7	0.1631	2.344	0.02	2.737		94.07
Eskay Creek	P3 50-120 cm	2 - 11 mm	2.085	0.0265	0.1353	24.56					4.792		58.54	2.928		151.3		1.8		1.365		43.88
Eskay Creek	P3 50-120 cm	11 - 19 mm	0.0761	0.0327	0.0876	7.436	0.1136			0.0076	0.0332	6.213	16.89	1.328		27.41	0.0002	2.763		0.7236		15
Eskay Creek	P3 50-120 cm	>19 mm																				
Eskay Creek	P3 120 cm-Bottom	<50 um																				
Eskay Creek	P3 120 cm-Bottom	<2 mm	54.17	1.307		163.9	4.507			3.251	171.1	23.5	264.3	19.51		1565	0.2113	2.211				412.9
Eskay Creek	P3 120 cm-Bottom	2 - 11 mm	30.36	0.1991	0.0818	79.98	2.862			0.8334	68.88	18.31	156.2	14.25	0	1448	0.096	2.887	0	1.014		362.6
Eskay Creek	P3 120 cm-Bottom	11 - 19 mm	13.04	0.1189		49.91	1.581	0.1625		0.1933	38.26	33.83	77.74	7.407		750.5	0.0199	2.524				258.1
Eskay Creek	P3 120 cm-Bottom	>19 mm																				
Eskay Creek	P4 0-0.5 m	<50 um																				
Eskay Creek	P4 0-0.5 m	<2 mm		0.0506		110.4	0.4485	0.8751		0.87	0.3039	2.755	42.09	1.81	0.3642	3.105	0.2487	0.7027				1.145
Eskay Creek	P4 0-0.5 m	2 - 11 mm		0.0115		55.21	0.2179	0.4483		0.4533	0.2067		24.18	1.239	0.1926	2.196	0.1815	0.3391	0.0095			0.6775
Eskay Creek	P4 0-0.5 m	11 - 19 mm	0.6084	0.0165		22.83	0.0238	0.7762			9.185	17.45	9.48	1.171	0.0274	10.74	0.0407	0.1976				6.101
Eskay Creek	P4 0-0.5 m	>19 mm																				
Eskay Creek	P4 0.5-0.6 m	<50 um																				
Eskay Creek	P4 0.5-0.6 m	<2 mm	225.9	20.23		138	0.1772			11.19	1374	195	462.2	10.63		42.73	2.294	0.221				29.71
Eskay Creek	P4 0.5-0.6 m	2 - 11 mm	157.2	11.4	0.2519	75.28	0.2761			5.296	1114	232.9	328.9	8.145	0.2202	43.36	1.986	0.7167		5.282		21.95
Eskay Creek	P4 0.5-0.6 m	11 - 19 mm	63.18	1.529	0.0564	13.53	0.0308			2.285	326.7	86.23	140.5	2.911		10.4	0.6322	0.5581		1.998		6.135
Eskay Creek	P4 0.5-0.6 m	>19 mm																				
Eskay Creek	P4 1.5-2.2 m	<50 um																				
Eskay Creek	P4 1.5-2.2 m	<2 mm	7.132	0.1751	2.146	614.6	0.5731	2.837		4.107	10.47	22.05	408.2	14.62	1.609	39.81	1.51	2.343		2.542		21.71
Eskay Creek	P4 1.5-2.2 m	2 - 11 mm	2.344	0.0297		103.1	0.0262	0.0388		4.743	4.419	24.53	150.1	5.142	0.0158	14.26	0.1563	0.9156				7.272
Eskay Creek	P4 1.5-2.2 m	11 - 19 mm	0.9811	0.0396		70.19	0.0105			1.523	9.143	37.12	117.5	4.189	0.0001	13.17	0.1459	0.2862				6.396
Eskay Creek	P4 1.5-2.2 m	>19 mm																				
Eskay Creek	P4 2.2-2.35 m	<50 um																				
Eskay Creek	P4 2.2-2.35 m	<2 mm	143.7	0.9006	0.1905	528.3	1.193	0.4965		68.98	174.4	82.15	499.1	28.26	0.1448	223.1	5.079	1.354		5.381		104.1
Eskay Creek	P4 2.2-2.35 m	2 - 11 mm	53.13	0.4443	0.9434	612.8	0.7278	1.618		32.71	74.96	13.65	235.1	14.19	0.6865	111.8	2.828	2.169		1.304		58.09
Eskay Creek	P4 2.2-2.35 m	11 - 19 mm	26.03	0.4228	0.0684	425	0.5051	9.549		11.62	16.36	13.41	120.1	17.37	0.305	63.7	1.526	2.804	0.0534			31.23
Eskay Creek	P4 2.2-2.35 m	>19 mm																				

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MDA Waste Rock Data

Site Location	Sample Id.	Sample Size Fraction	0.1 M HCl Soluble Al (ppm)	0.1 M HCl Soluble As (ppm)	0.1 M HCl Soluble Ba (ppm)	0.1 M HCl Soluble Ca (ppm)	0.1 M HCl Soluble Cd (ppm)	0.1 M HCl Soluble Co (ppm)	0.1 M HCl Soluble Cr (ppm)	0.1 M HCl Soluble Cu (ppm)	0.1 M HCl Soluble Fe (ppm)	0.1 M HCl Soluble K (ppm)	0.1 M HCl Soluble Mg (ppm)	0.1 M HCl Soluble Mn (ppm)	0.1 M HCl Soluble Mo (ppm)	0.1 M HCl Soluble Na (ppm)	0.1 M HCl Soluble Ni (ppm)	0.1 M HCl Soluble Pb (ppm)	0.1 M HCl Soluble Se (ppm)	0.1 M HCl Soluble Si (ppm)	0.1 M HCl Soluble Sr (ppm)	0.1 M HCl Soluble Zn (ppm)
Eskay Creek	P1 0-10 cm	<50 um																					
Eskay Creek	P1 0-10 cm	<2 mm	18.56	0.3121	0.217	1741		0.0832		2.194	57.3	15.84	44.12	22.73		14.04	0.4935	15.18		10.61		10.09
Eskay Creek	P1 0-10 cm	2 - 11 mm																					
Eskay Creek	P1 0-10 cm	11 - 19 mm																					
Eskay Creek	P1 0-10 cm	>19 mm																					
Eskay Creek	P1 40-60 cm	<50 um																					
Eskay Creek	P1 40-60 cm	<2 mm	11.1	0.053		184.5	0.1478	0.0271		3.476	104.1	5.188	57.16	7.246		8.939		17.95		10.94		5.259
Eskay Creek	P1 40-60 cm	2 - 11 mm																					
Eskay Creek	P1 40-60 cm	11 - 19 mm																					
Eskay Creek	P1 40-60 cm	>19 mm																					
Eskay Creek	P1 100-130 cm	<50 um																					
Eskay Creek	P1 100-130 cm	<2 mm	16.74	0.0145	1.355	125.5	0.0079			2.305	84.74	36.55	54.46	3.214	0.3589	4.687	0.2897	31.13		9.142		2.082
Eskay Creek	P1 100-130 cm	2 - 11 mm																					
Eskay Creek	P1 100-130 cm	11 - 19 mm																					
Eskay Creek	P1 100-130 cm	>19 mm																					
Eskay Creek	P1 160-200 cm	<50 um																					
Eskay Creek	P1 160-200 cm	<2 mm	30.39	0.3535		51.83	0.4631			1.288	324.7	55.43	137.4	9.549		60.4		8.152		4.542		36.19
Eskay Creek	P1 160-200 cm	2 - 11 mm																					
Eskay Creek	P1 160-200 cm	11 - 19 mm																					
Eskay Creek	P1 160-200 cm	>19 mm																					
Eskay Creek	P3 0-50 cm	<50 um																					
Eskay Creek	P3 0-50 cm	<2 mm	22.85	1.09		104	0.9645	0.2758		2.001	347.2	47.97	79.49	9.036		167.3		16.55		2.445		95.3
Eskay Creek	P3 0-50 cm	2 - 11 mm																					
Eskay Creek	P3 0-50 cm	11 - 19 mm																					
Eskay Creek	P3 0-50 cm	>19 mm																					
Eskay Creek	P3 50-120 cm	<50 um																					
Eskay Creek	P3 50-120 cm	<2 mm	18.49	0.8512	0.071	126.6	0.3814			1.353	83.41	31.16	81.61	9.785		224.6		45.71		13.99		132.9
Eskay Creek	P3 50-120 cm	2 - 11 mm																					
Eskay Creek	P3 50-120 cm	11 - 19 mm																					
Eskay Creek	P3 50-120 cm	>19 mm																					
Eskay Creek	P3 120 cm-Bottom	<50 um																					
Eskay Creek	P3 120 cm-Bottom	<2 mm	21.32	1.206	0.4771	71.49	1.244			1.673	130.3	42.65	69.94	7.047		470.6	0.0411	17.59		4.95		199.9
Eskay Creek	P3 120 cm-Bottom	2 - 11 mm																					
Eskay Creek	P3 120 cm-Bottom	11 - 19 mm																					
Eskay Creek	P3 120 cm-Bottom	>19 mm																					
Eskay Creek	P4 0-0.5 m	<50 um																					
Eskay Creek	P4 0-0.5 m	<2 mm	18.15	1.256	0.8891	346.3	0.0877			3.332	70.48	43.88	125.4	12.95		51.51	0.0736	38.74		13.32		34.44
Eskay Creek	P4 0-0.5 m	2 - 11 mm																					
Eskay Creek	P4 0-0.5 m	11 - 19 mm																					
Eskay Creek	P4 0-0.5 m	>19 mm																					
Eskay Creek	P4 0.5-0.6 m	<50 um																					
Eskay Creek	P4 0.5-0.6 m	<2 mm	83.98	11.3	0.026	55.92				5.541	618.2	116.7	144	3.635	0.0091	15.33	0.6018	6.023		4.007		12.09
Eskay Creek	P4 0.5-0.6 m	2 - 11 mm																					
Eskay Creek	P4 0.5-0.6 m	11 - 19 mm																					
Eskay Creek	P4 0.5-0.6 m	>19 mm																					
Eskay Creek	P4 1.5-2.2 m	<50 um																					
Eskay Creek	P4 1.5-2.2 m	<2 mm	19.77	1.188	0.1878	310				5.081	294.5	54.68	153.8	11.71	0.0023	13.74	0.1464	13.94		8.677		11.05
Eskay Creek	P4 1.5-2.2 m	2 - 11 mm																					
Eskay Creek	P4 1.5-2.2 m	11 - 19 mm																					
Eskay Creek	P4 1.5-2.2 m	>19 mm																					
Eskay Creek	P4 2.2-2.35 m	<50 um																					
Eskay Creek	P4 2.2-2.35 m	<2 mm	74.46	2.629		659.6	0.2347			34.11	283.9	58.08	192.1	10.58		47.2	1.264	7.256		7.031		31.13
Eskay Creek	P4 2.2-2.35 m	2 - 11 mm																					
Eskay Creek	P4 2.2-2.35 m	11 - 19 mm																					
Eskay Creek	P4 2.2-2.35 m	>19 mm																					

Note: If data was reported as < detection limit then half the detection limit is shown in italics.

Note: If data was reported as > detection limit then the detection limit is shown underlined.

MDA Waste Rock Data

Site Location	Sample Id.	Sample Size Fraction	HCl + HNO3 Recoverable Al (ppm)	HCl + HNO3 Recoverable As (ppm)	HCl + HNO3 Recoverable Ba (ppm)	HCl + HNO3 Recoverable Ca (ppm)	HCl + HNO3 Recoverable Cd (ppm)	HCl + HNO3 Recoverable Co (ppm)	HCl + HNO3 Recoverable Cr (ppm)	HCl + HNO3 Recoverable Cu (ppm)	HCl + HNO3 Recoverable Fe (ppm)	HCl + HNO3 Recoverable K (ppm)	HCl + HNO3 Recoverable Mg (ppm)	HCl + HNO3 Recoverable Mn (ppm)	HCl + HNO3 Recoverable Mo (ppm)	HCl + HNO3 Recoverable Na (ppm)	HCl + HNO3 Recoverable Ni (ppm)	HCl + HNO3 Recoverable Pb (ppm)	HCl + HNO3 Recoverable Se (ppm)	HCl + HNO3 Recoverable Si (ppm)	HCl + HNO3 Recoverable Sr (ppm)	HCl + HNO3 Recoverable Zn (ppm)
Eskay Creek	P1 0-10 cm	<50 um																				
Eskay Creek	P1 0-10 cm	<2 mm	15.3	1.579	0.4723	222.6	0.0363			0.5291	175.6	6.11	18.66	3.76	0.0857	10.42	0.2872	4.021		5.645		7.912
Eskay Creek	P1 0-10 cm	2 - 11 mm																				
Eskay Creek	P1 0-10 cm	11 - 19 mm																				
Eskay Creek	P1 0-10 cm	>19 mm																				
Eskay Creek	P1 40-60 cm	<50 um																				
Eskay Creek	P1 40-60 cm	<2 mm	4.318	0.4525	0.9945	11.09					56.32	0.6372	6.274		0.0052	2.36		2.135		0.9444		2.196
Eskay Creek	P1 40-60 cm	2 - 11 mm																				
Eskay Creek	P1 40-60 cm	11 - 19 mm																				
Eskay Creek	P1 40-60 cm	>19 mm																				
Eskay Creek	P1 100-130 cm	<50 um																				
Eskay Creek	P1 100-130 cm	<2 mm	1.963	0.6109	0.4331	4.157	0.0164			0.0992	70.95	36.87	4.224	0.2056	0.0141	5.3	0.002	2.578		1.124		3.329
Eskay Creek	P1 100-130 cm	2 - 11 mm																				
Eskay Creek	P1 100-130 cm	11 - 19 mm																				
Eskay Creek	P1 100-130 cm	>19 mm																				
Eskay Creek	P1 160-200 cm	<50 um																				
Eskay Creek	P1 160-200 cm	<2 mm	3.327	0.7527	0.5424	2.257				0.3851	79.47		13.24	0.5471	0.061	5.859		4.996		0.7687		4.285
Eskay Creek	P1 160-200 cm	2 - 11 mm																				
Eskay Creek	P1 160-200 cm	11 - 19 mm																				
Eskay Creek	P1 160-200 cm	>19 mm																				
Eskay Creek	P3 0-50 cm	<50 um																				
Eskay Creek	P3 0-50 cm	<2 mm	2.405	1.565	0.6338	2.656	0.0719			0.2709	128.1	23.47	7.319	0.4896		26.24		17.96		0.6655		17.27
Eskay Creek	P3 0-50 cm	2 - 11 mm																				
Eskay Creek	P3 0-50 cm	11 - 19 mm																				
Eskay Creek	P3 0-50 cm	>19 mm																				
Eskay Creek	P3 50-120 cm	<50 um																				
Eskay Creek	P3 50-120 cm	<2 mm	2.861	1.3	0.9046	12.58	0.3213			1.57	153.4	13.74	10.83	1.238		97.45		35.97		1.779		76.06
Eskay Creek	P3 50-120 cm	2 - 11 mm																				
Eskay Creek	P3 50-120 cm	11 - 19 mm																				
Eskay Creek	P3 50-120 cm	>19 mm																				
Eskay Creek	P3 120 cm-Bottom	<50 um																				
Eskay Creek	P3 120 cm-Bottom	<2 mm	3.232	1.631	0.6282	2.575	0.3418			0.3395	139.9	47.91	7.259	0.7485		134.8		39.56		1.484		81.26
Eskay Creek	P3 120 cm-Bottom	2 - 11 mm																				
Eskay Creek	P3 120 cm-Bottom	11 - 19 mm																				
Eskay Creek	P3 120 cm-Bottom	>19 mm																				
Eskay Creek	P4 0-0.5 m	<50 um																				
Eskay Creek	P4 0-0.5 m	<2 mm	5.457	0.9439	0.4825	37.91	0.0592			1.362	83.11	18	22.44	1.665	0.0614	13.8	0.031	7.277		2.58		8.885
Eskay Creek	P4 0-0.5 m	2 - 11 mm																				
Eskay Creek	P4 0-0.5 m	11 - 19 mm																				
Eskay Creek	P4 0-0.5 m	>19 mm																				
Eskay Creek	P4 0.5-0.6 m	<50 um																				
Eskay Creek	P4 0.5-0.6 m	<2 mm	8.426	2.095	0.3035	4.633	0.0077			0.7433	124.5	8.722	14.11	0.2614	0.2497	0.39	0.0588	4.611		1.203		6.727
Eskay Creek	P4 0.5-0.6 m	2 - 11 mm																				
Eskay Creek	P4 0.5-0.6 m	11 - 19 mm																				
Eskay Creek	P4 0.5-0.6 m	>19 mm																				
Eskay Creek	P4 1.5-2.2 m	<50 um																				
Eskay Creek	P4 1.5-2.2 m	<2 mm	4.2	1.378	0.7999	23.12	0.0226			1.57	135.5		16.52	0.5523	0.0261	9.848		8.64		1.462		8.436
Eskay Creek	P4 1.5-2.2 m	2 - 11 mm																				
Eskay Creek	P4 1.5-2.2 m	11 - 19 mm																				
Eskay Creek	P4 1.5-2.2 m	>19 mm																				
Eskay Creek	P4 2.2-2.35 m	<50 um																				
Eskay Creek	P4 2.2-2.35 m	<2 mm	8.301	4.12	0.391	69.11	0.255			16.44	190.7	26.79	18.5	1.314	0.0406	91.4	0.0453	56.77		1.767		61.22
Eskay Creek	P4 2.2-2.35 m	2 - 11 mm																				
Eskay Creek	P4 2.2-2.35 m	11 - 19 mm																				
Eskay Creek	P4 2.2-2.35 m	>19 mm																				

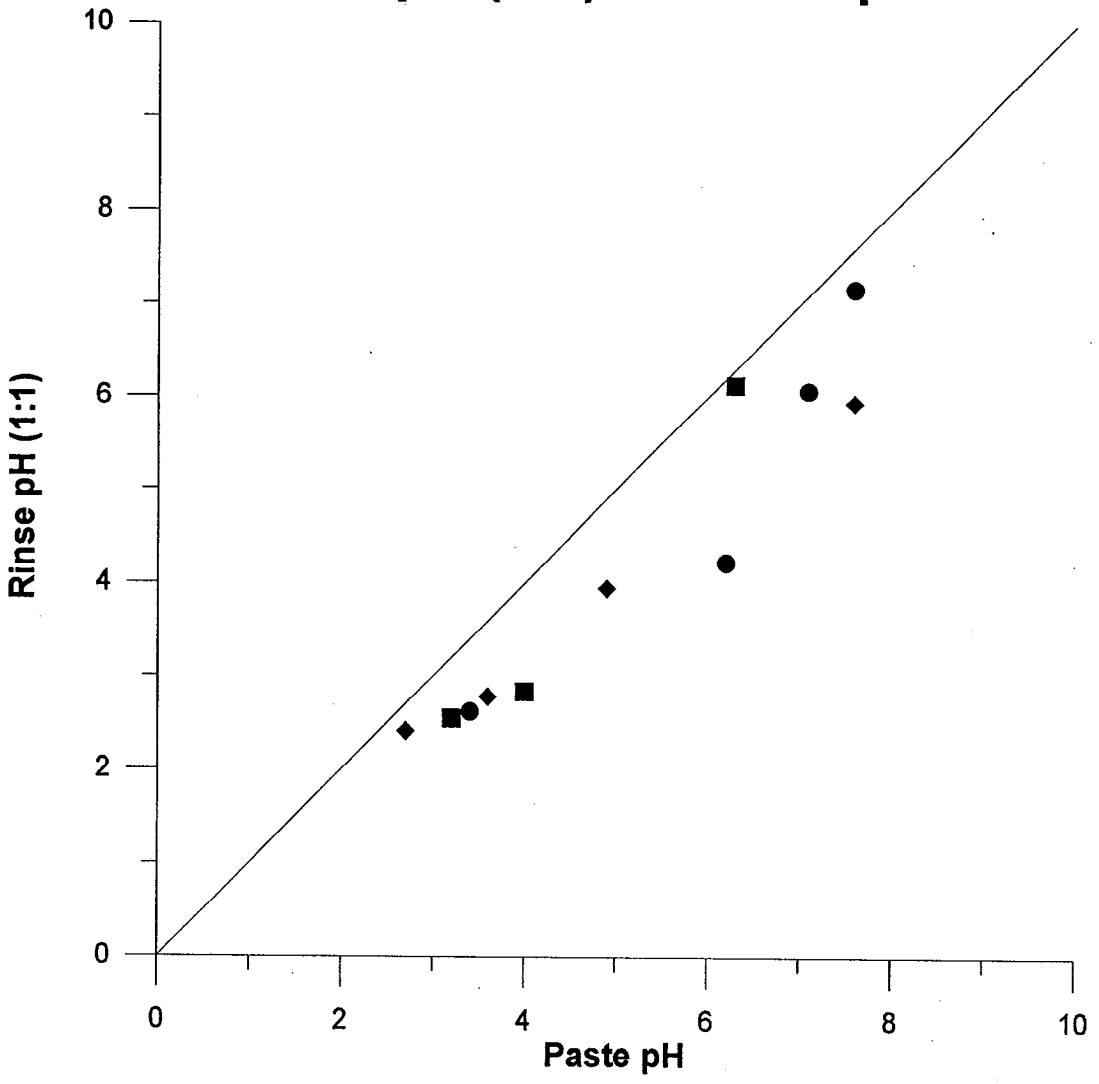
Note: If data was reported as < detection limit then half the detection limit is shown in italics.

Note: If data was reported as > detection limit then the detection limit is shown underlined.

E3. ABA Parameters vs. Size Fraction

MDA Waste Rock Project

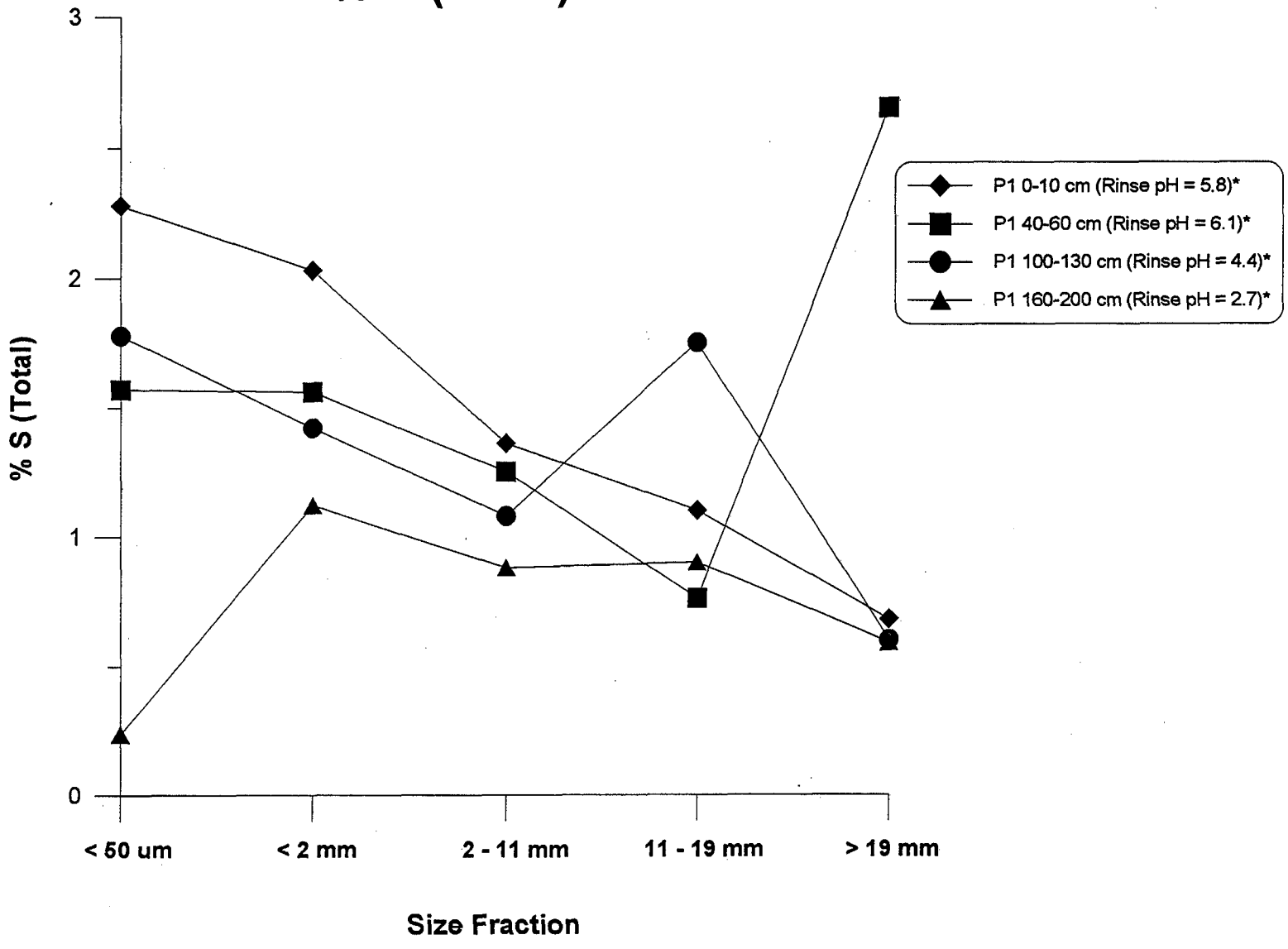
Rinse pH (1:1) vs Paste pH



E3.1 Profile #1

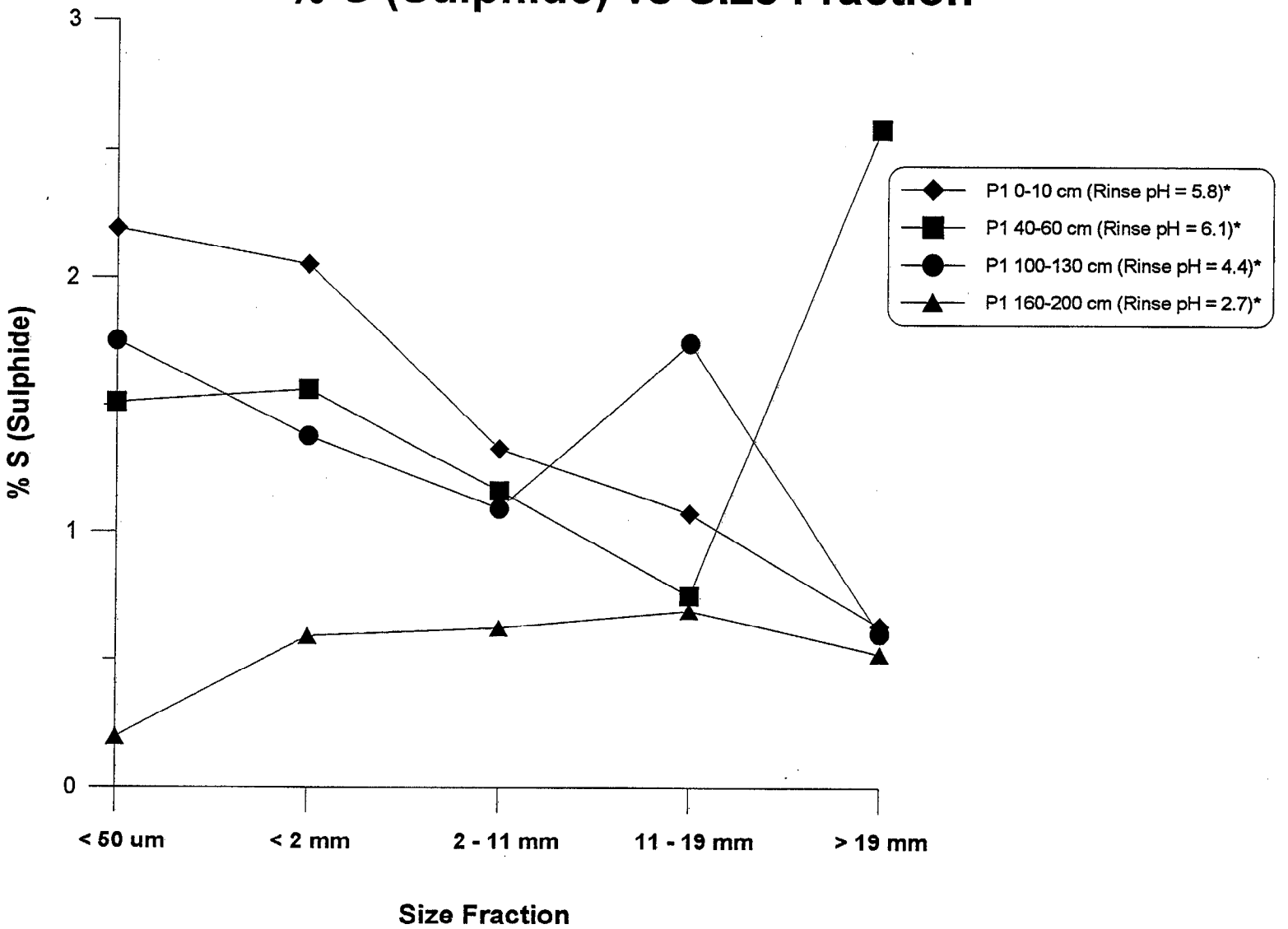
MDA Waste Rock Project

% S (Total) vs Size Fraction



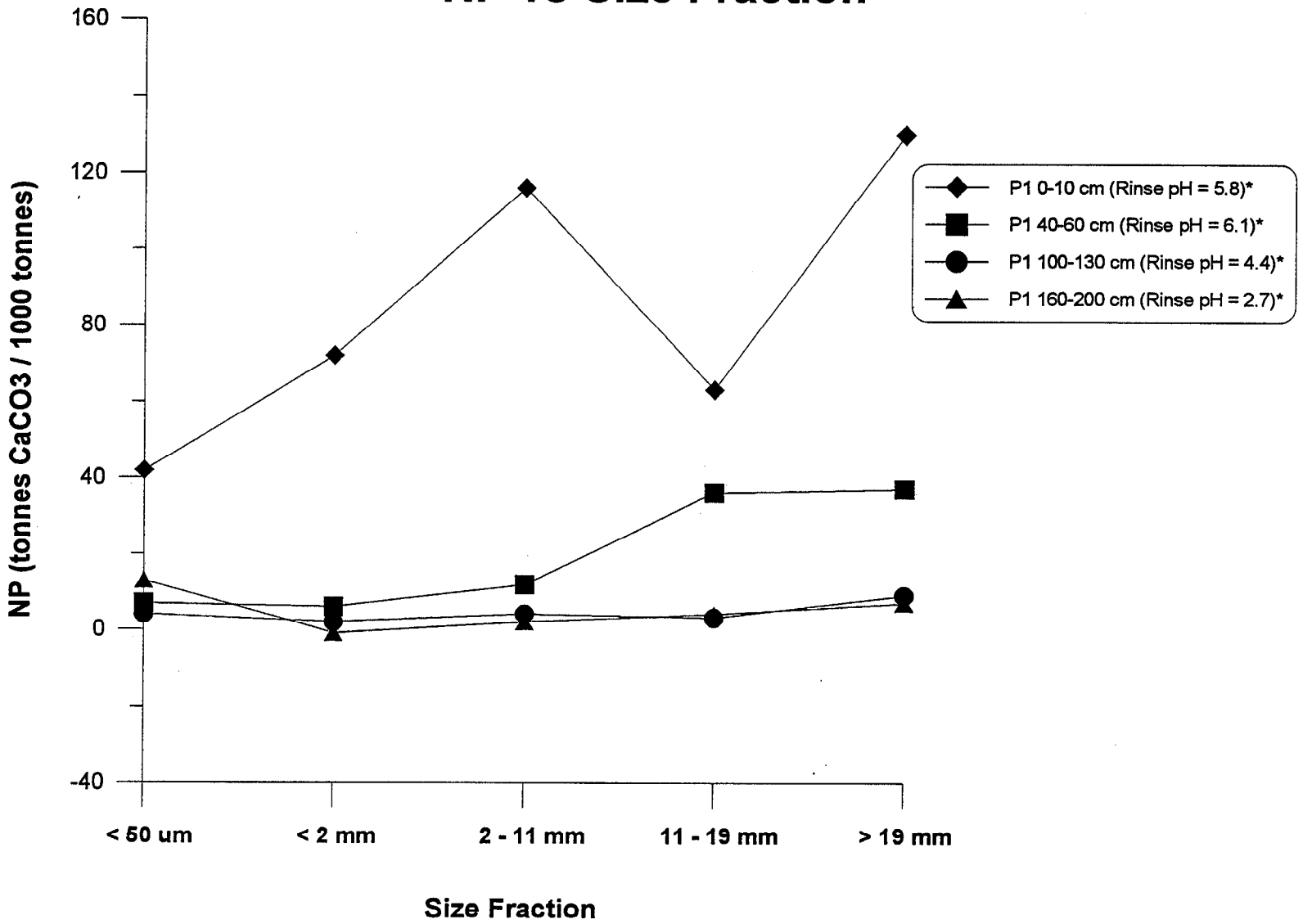
MDA Waste Rock Project

% S (Sulphide) vs Size Fraction



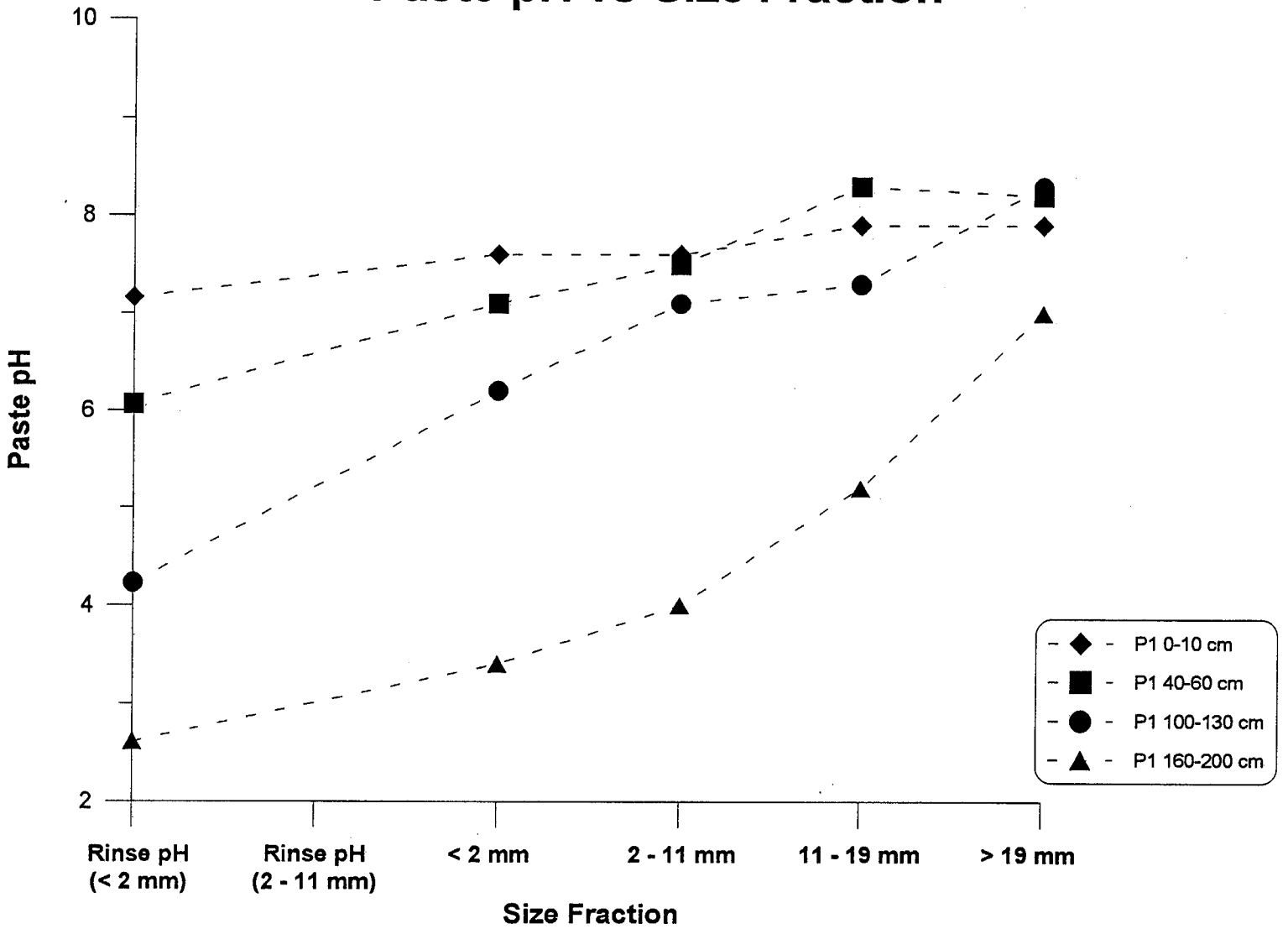
MDA Waste Rock Project

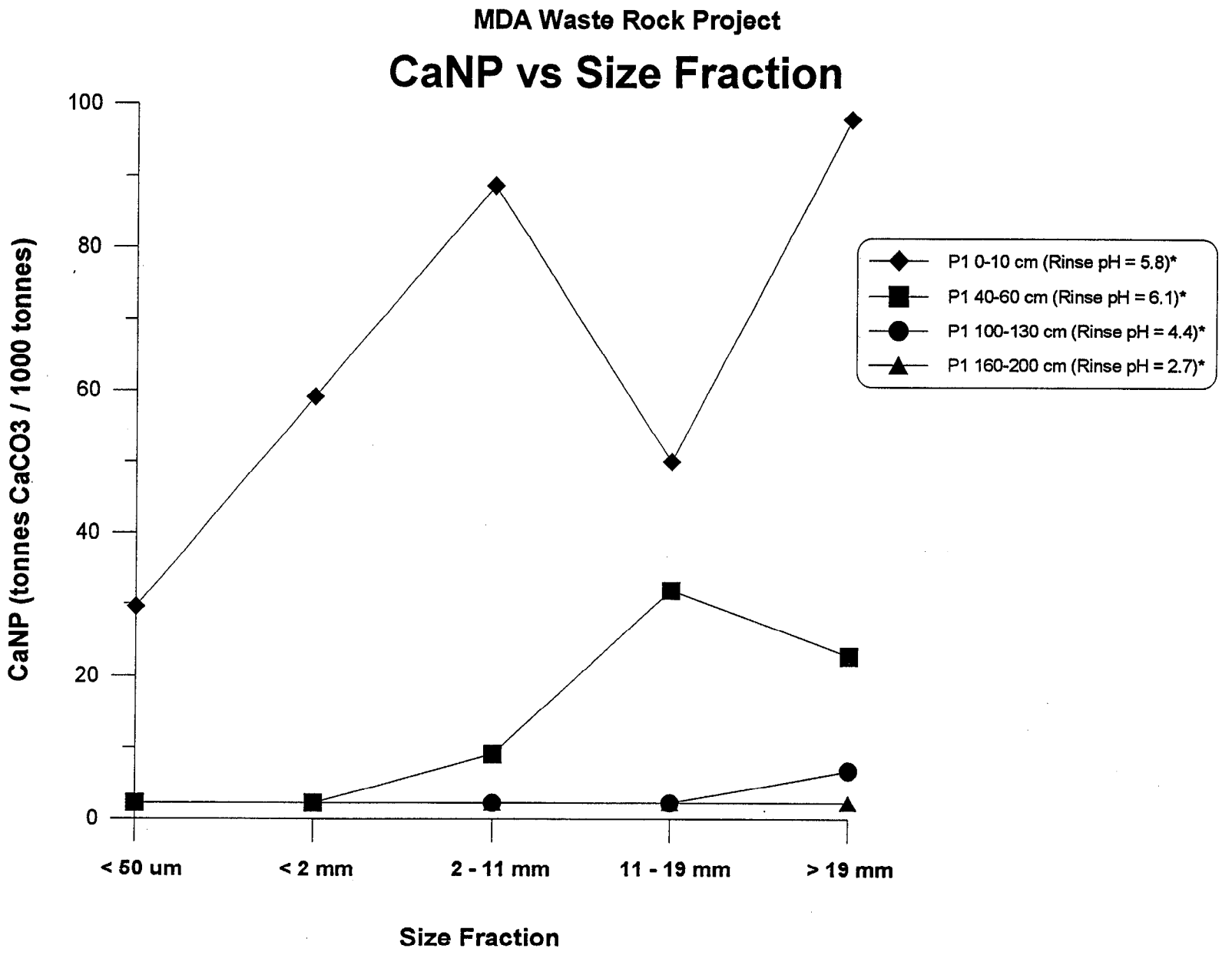
NP vs Size Fraction



MDA Waste Rock Project

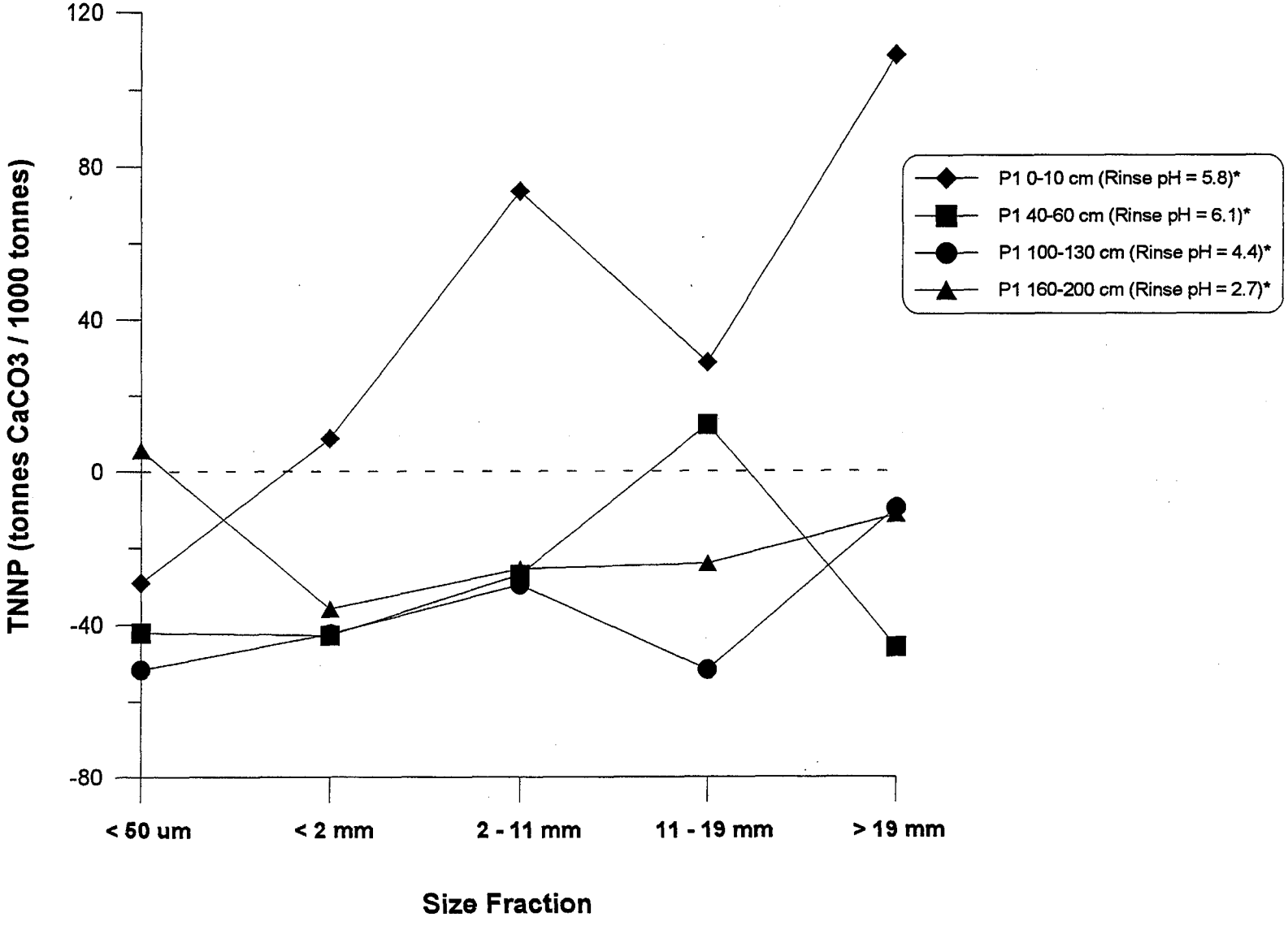
Paste pH vs Size Fraction




MDA Waste Rock Project
CaNP vs Size Fraction
CaNP (tonnes CaCO3 / 1000 tonnes)
100
80
60
40
20
0
< 50 um
< 2 mm
2 - 11 mm
11 - 19 mm
> 19 mm
Size Fraction
P1 0-10 cm (Rinse pH = 5.8)*
P1 40-60 cm (Rinse pH = 6.1)*
P1 100-130 cm (Rinse pH = 4.4)*
P1 160-200 cm (Rinse pH = 2.7)*

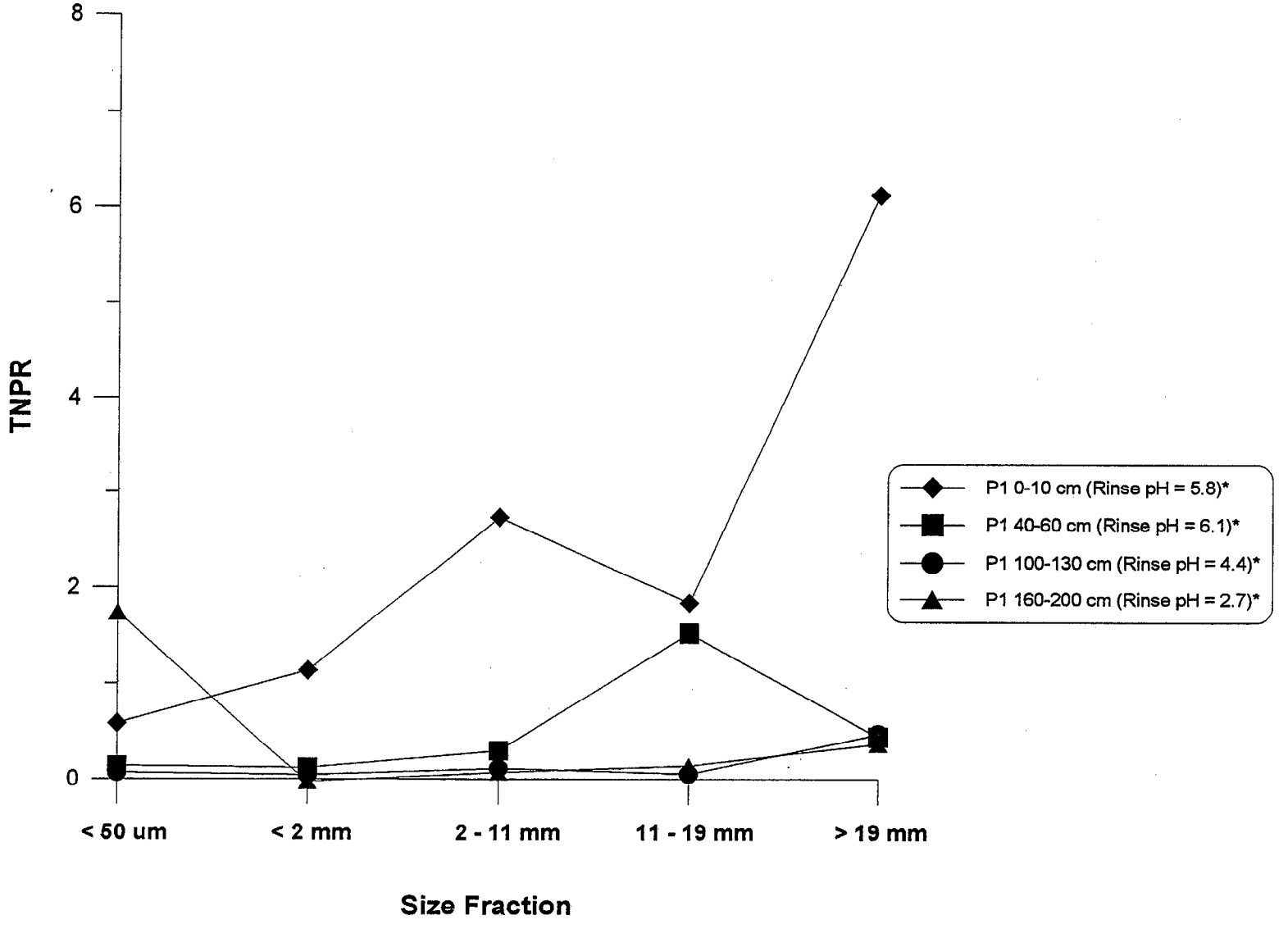
MDA Waste Rock Project

TNNP vs Size Fraction



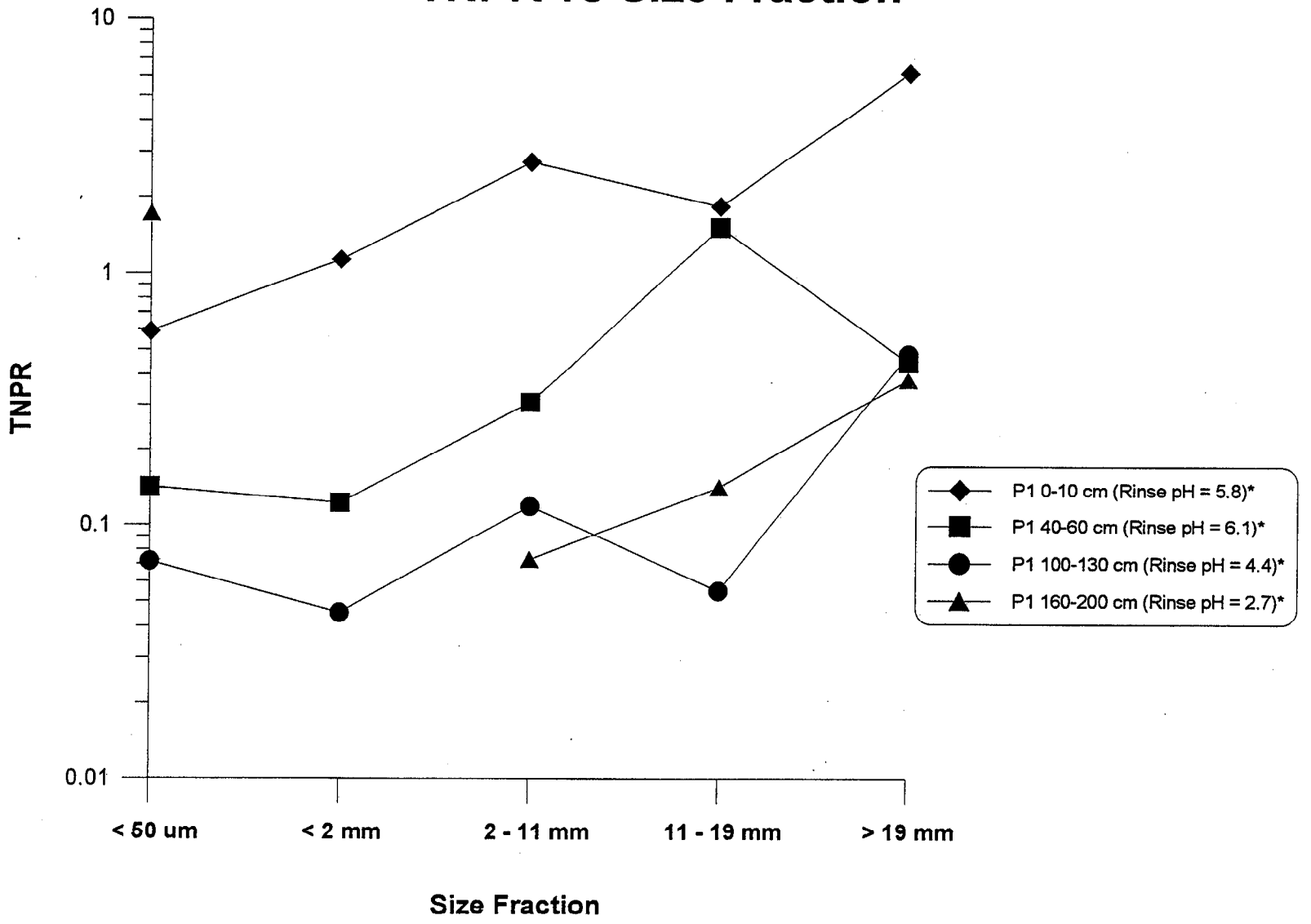
MDA Waste Rock Project

TNPR vs Size Fraction



MDA Waste Rock Project

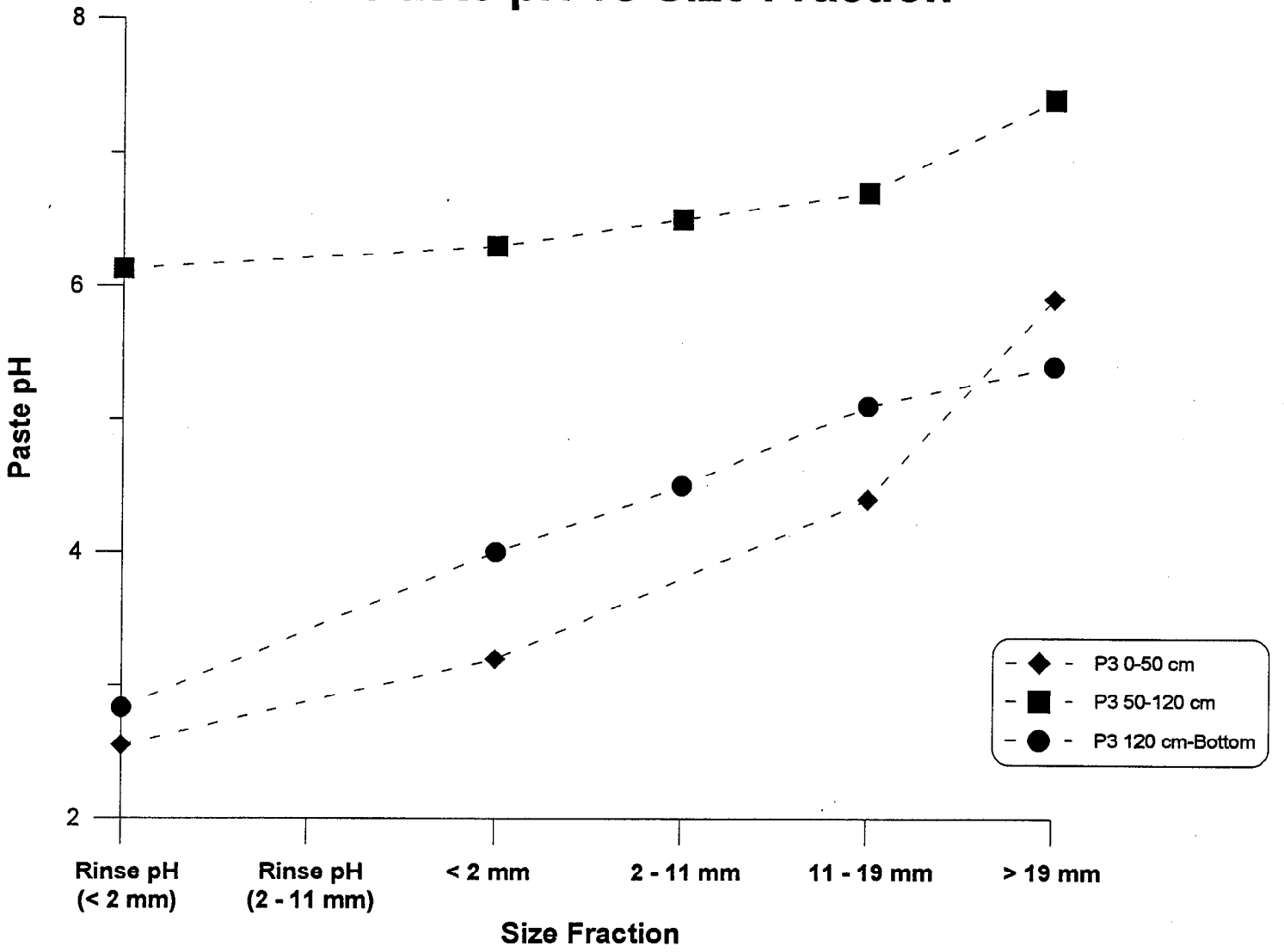
TNPR vs Size Fraction



E3.2 Profile #3

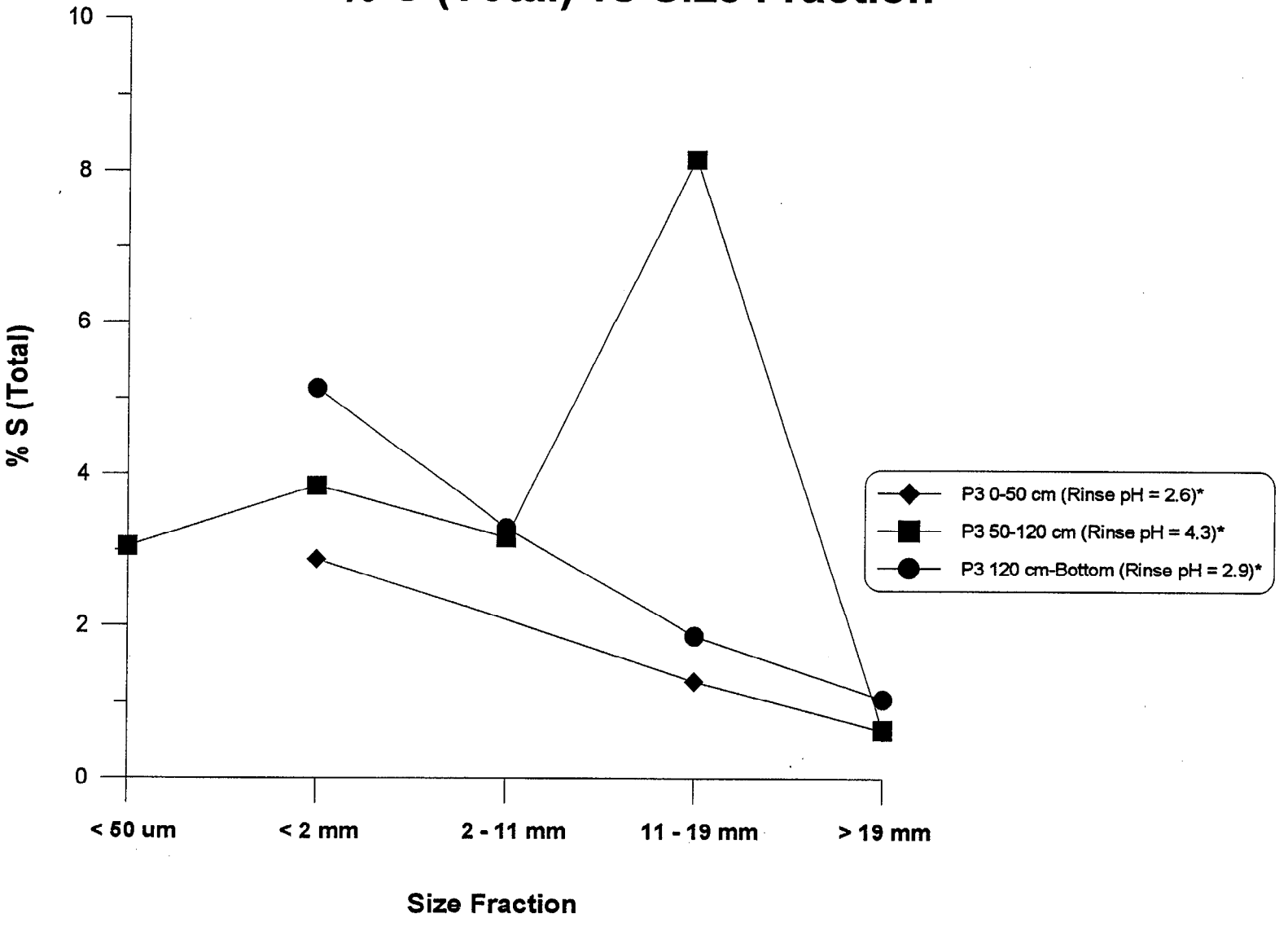
MDA Waste Rock Project

Paste pH vs Size Fraction



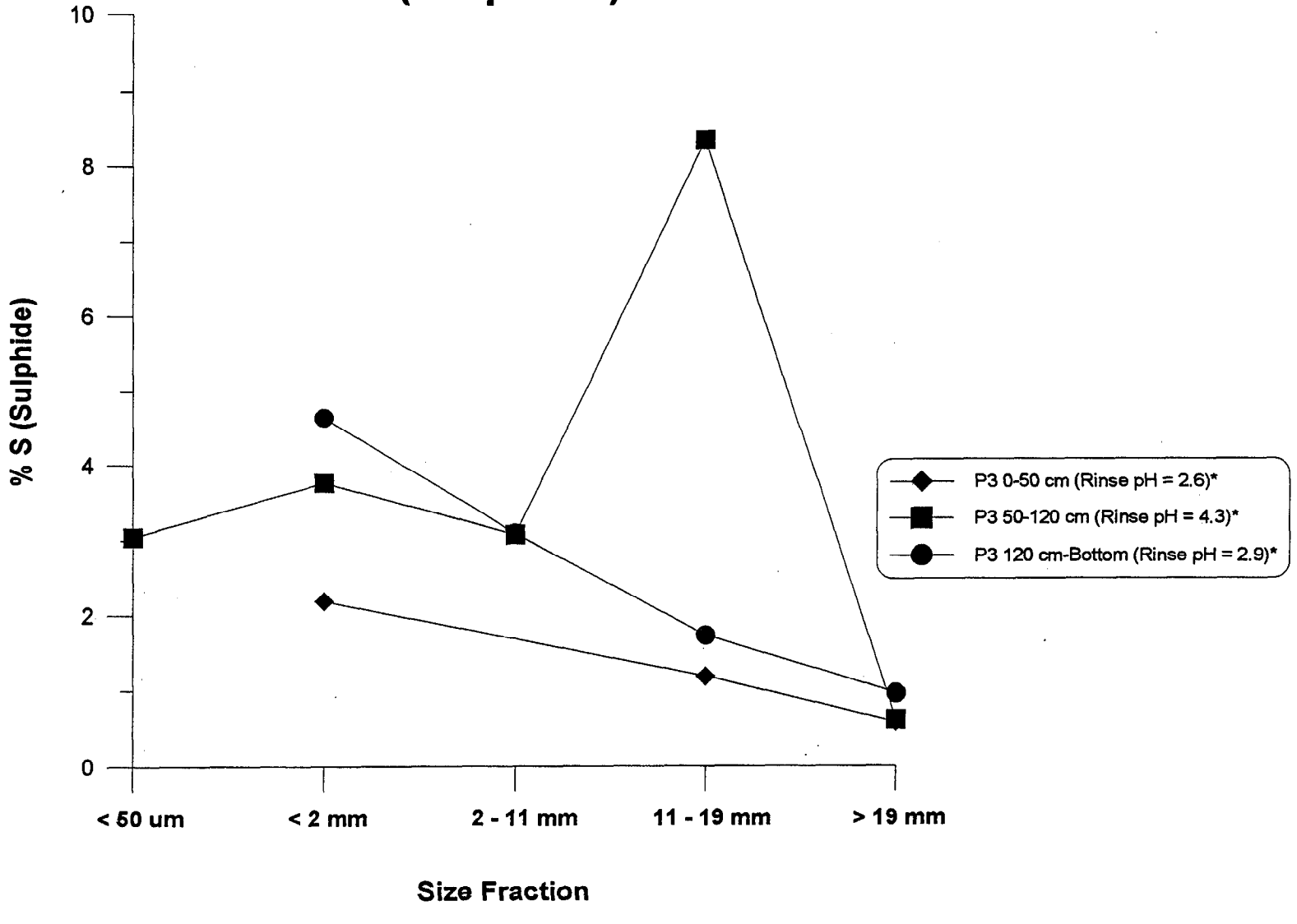
MDA Waste Rock Project

% S (Total) vs Size Fraction



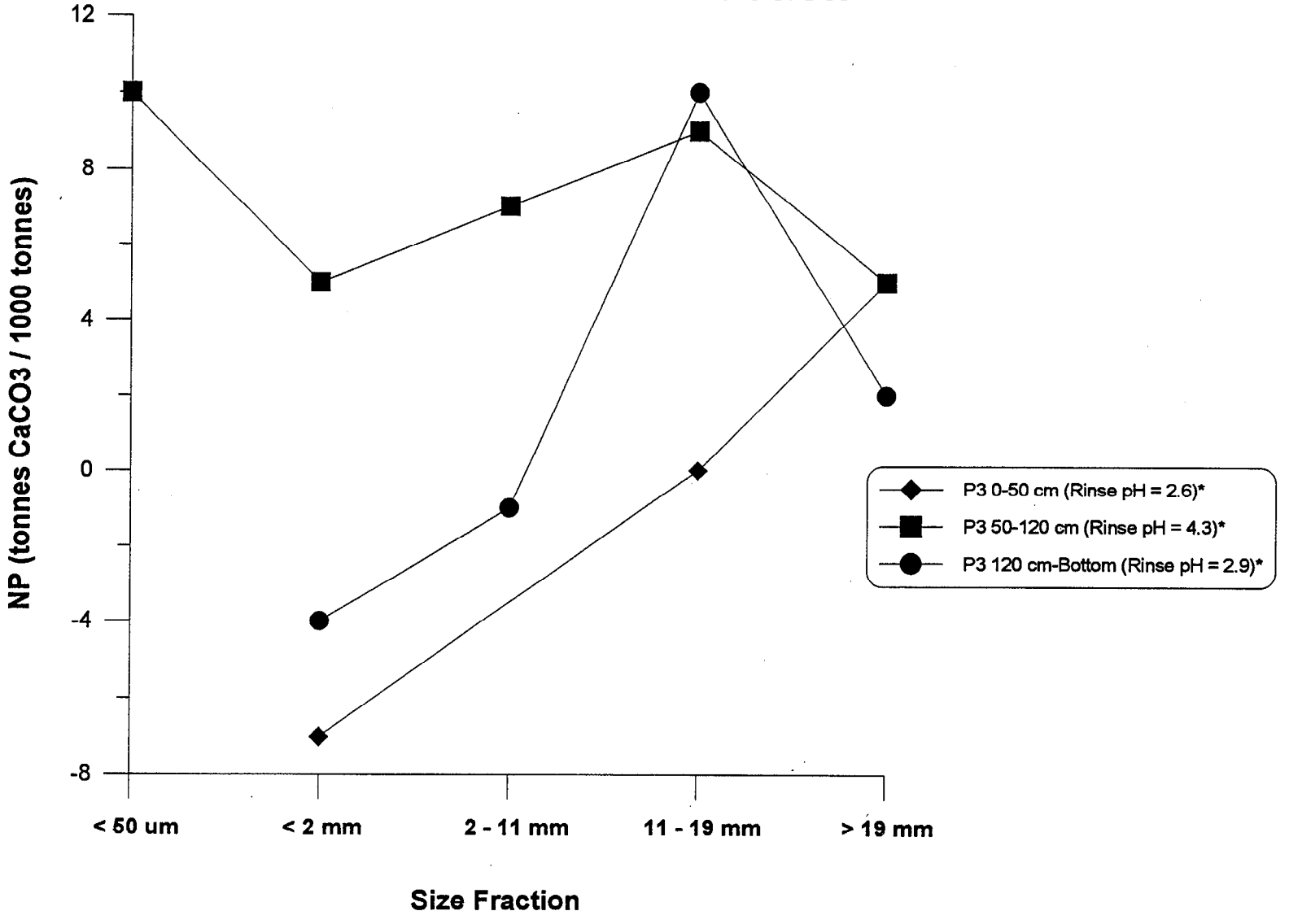
MDA Waste Rock Project

% S (Sulphide) vs Size Fraction



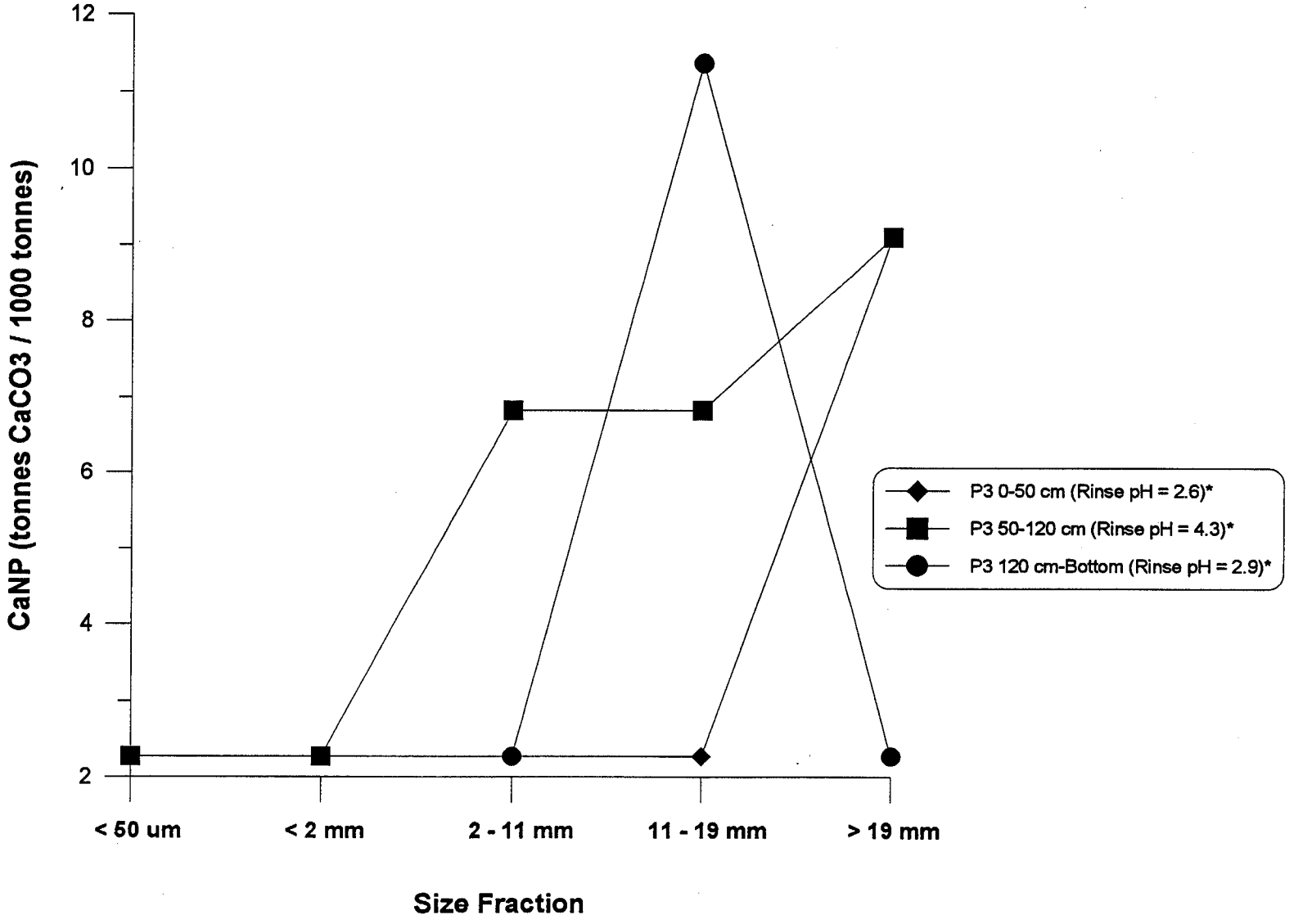
MDA Waste Rock Project

NP vs Size Fraction



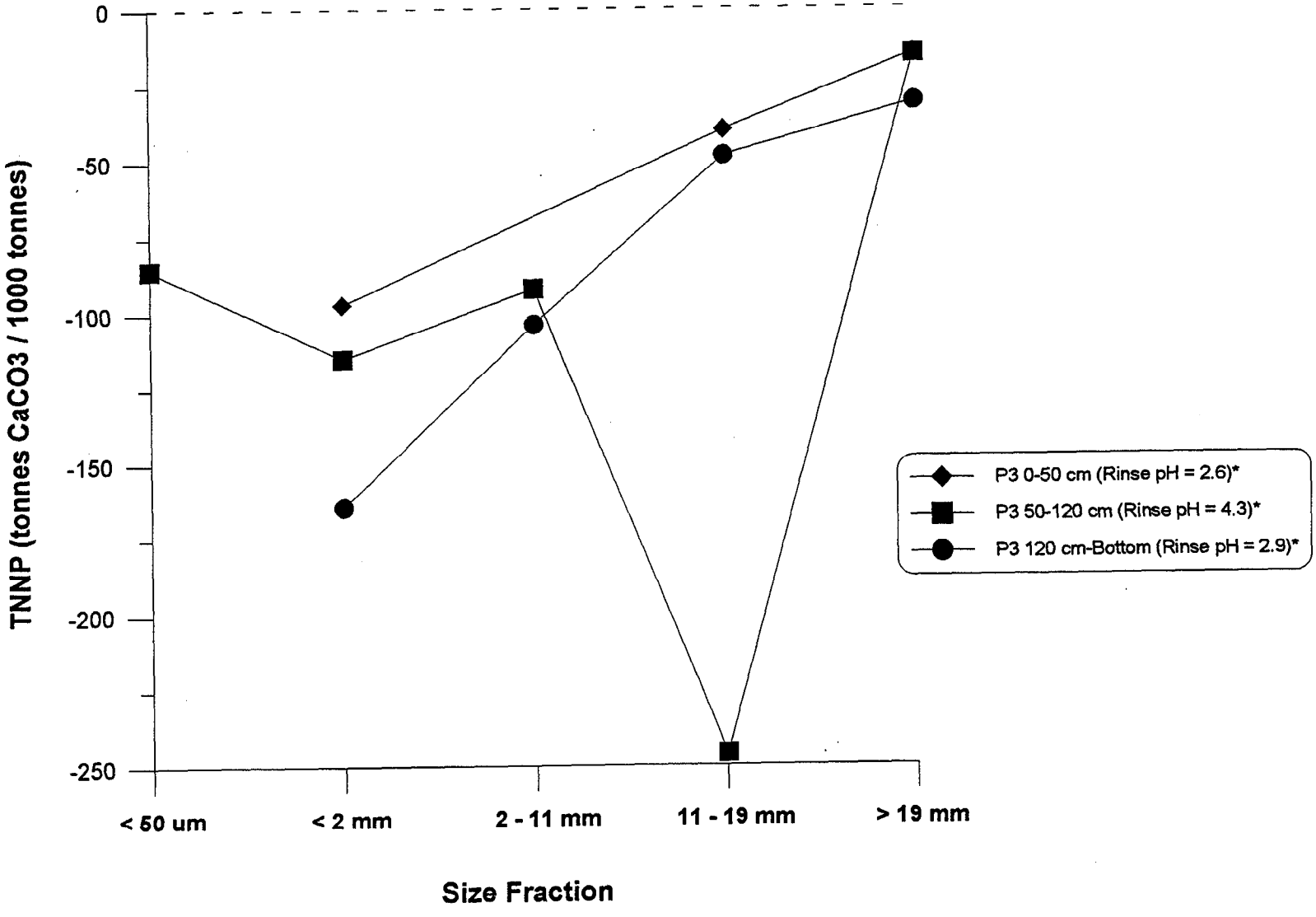
MDA Waste Rock Project

CaNP vs Size Fraction



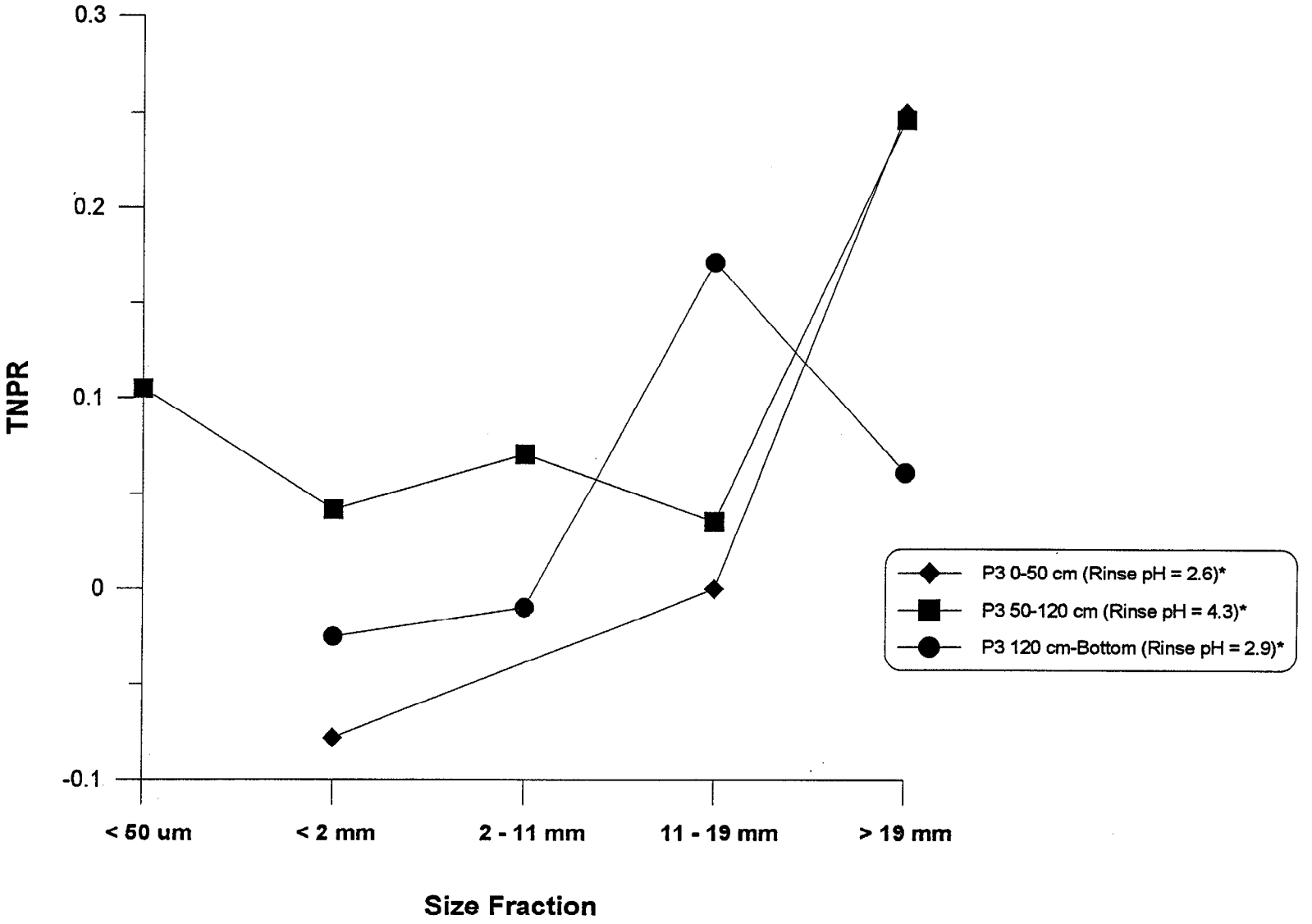
MDA Waste Rock Project

TNNP vs Size Fraction



MDA Waste Rock Project

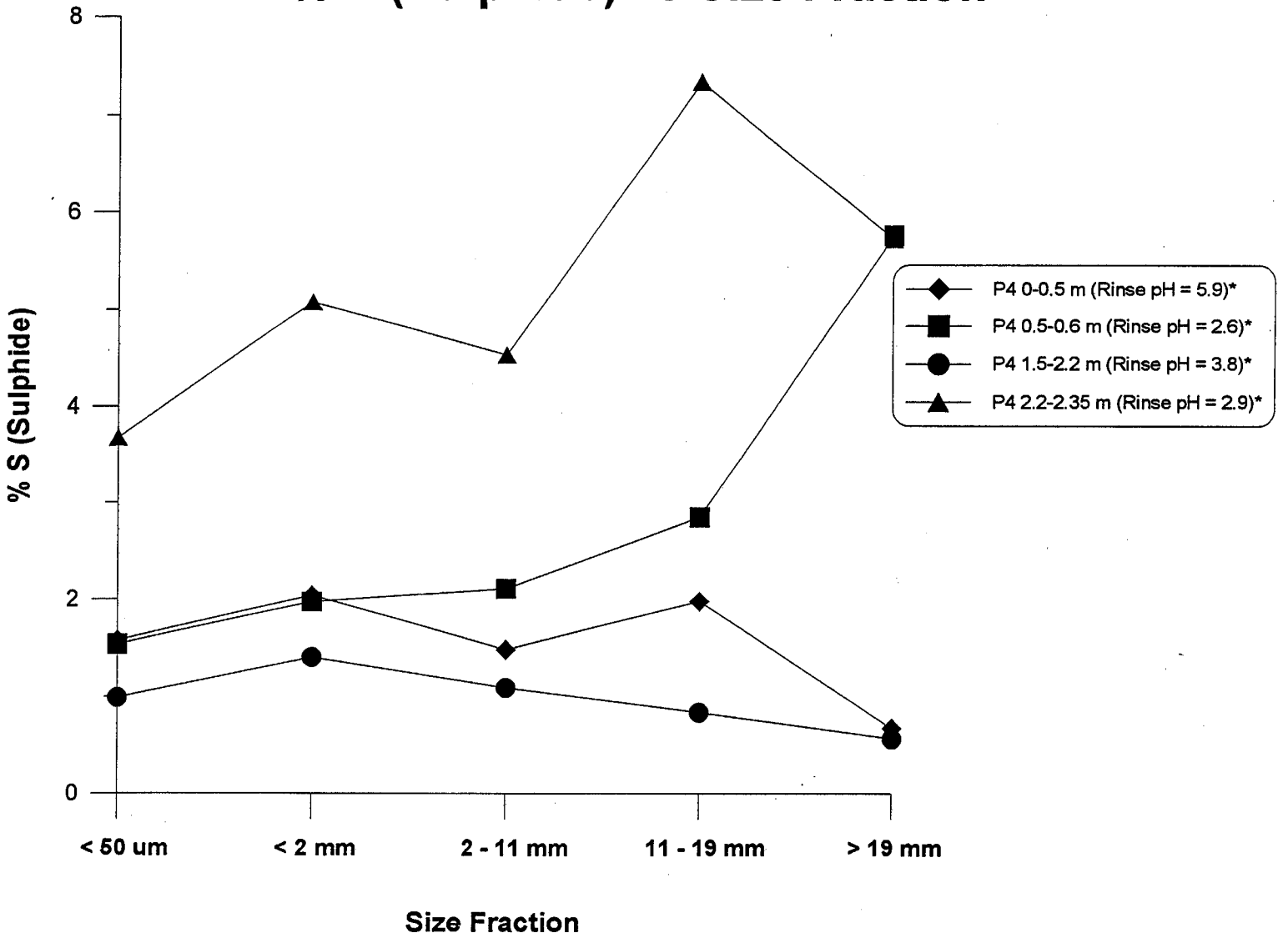
TNPR vs Size Fraction



E3.3 Profile #4

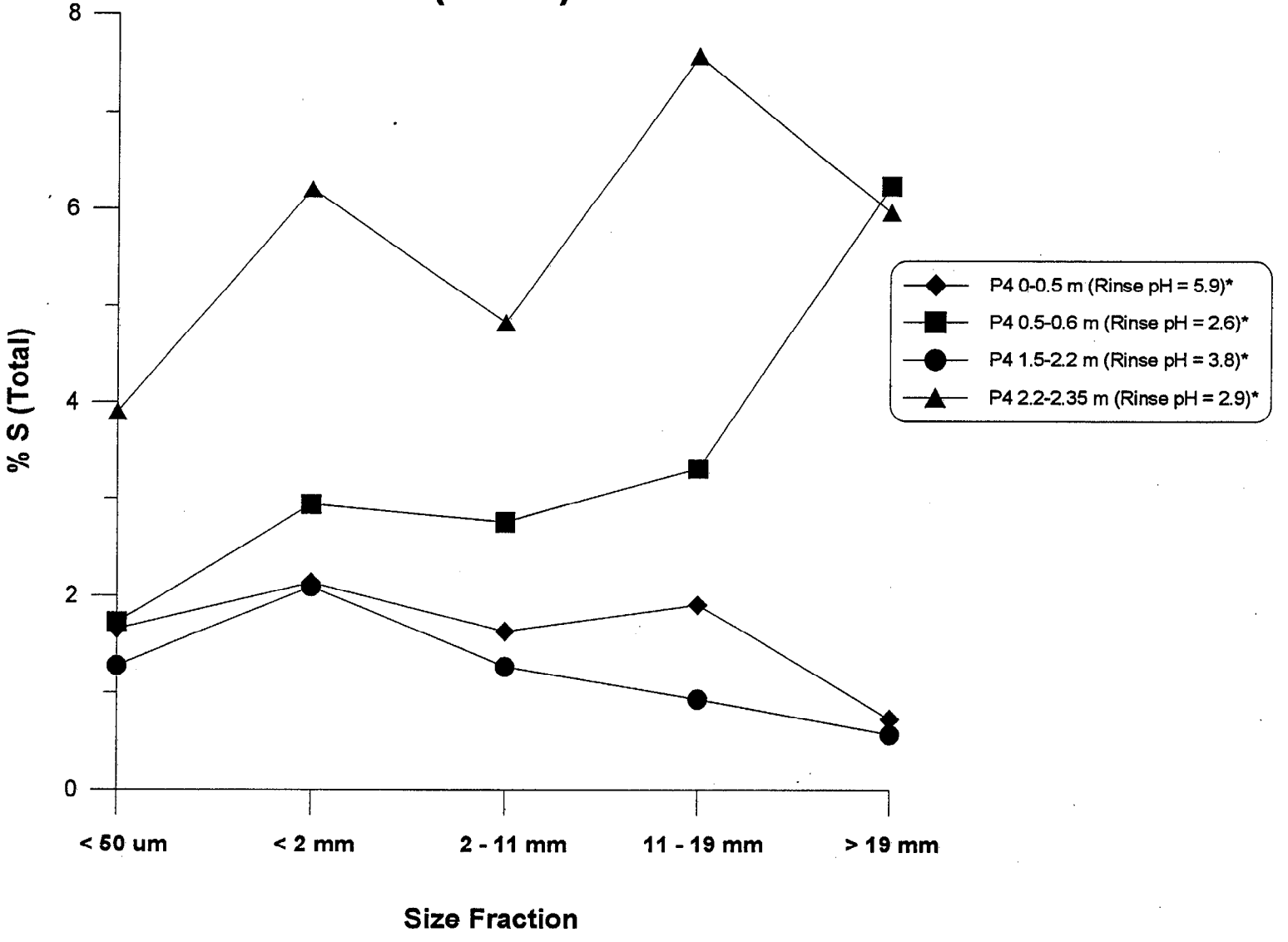
MDA Waste Rock Project

% S (Sulphide) vs Size Fraction



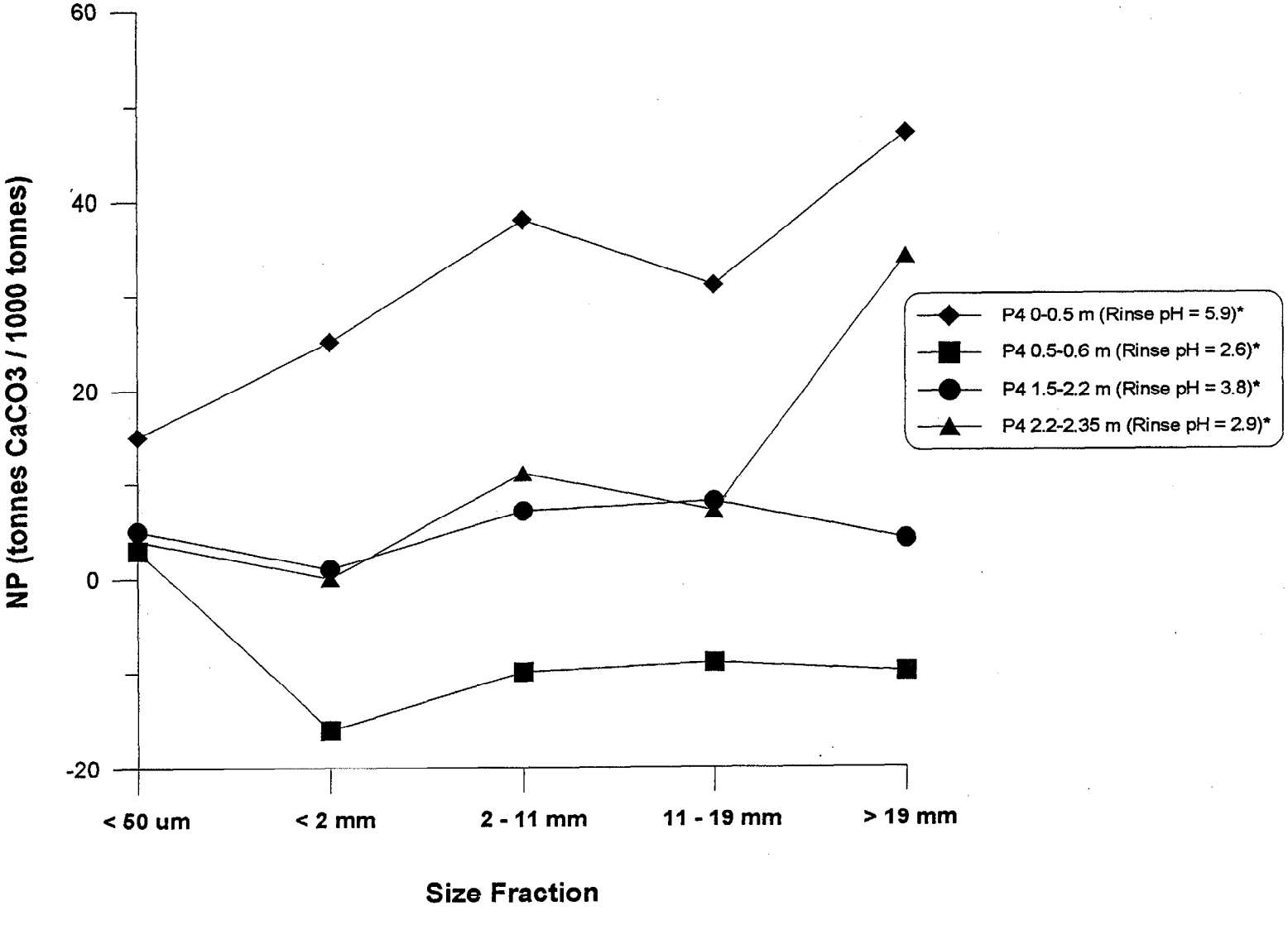
MDA Waste Rock Project

% S (Total) vs Size Fraction



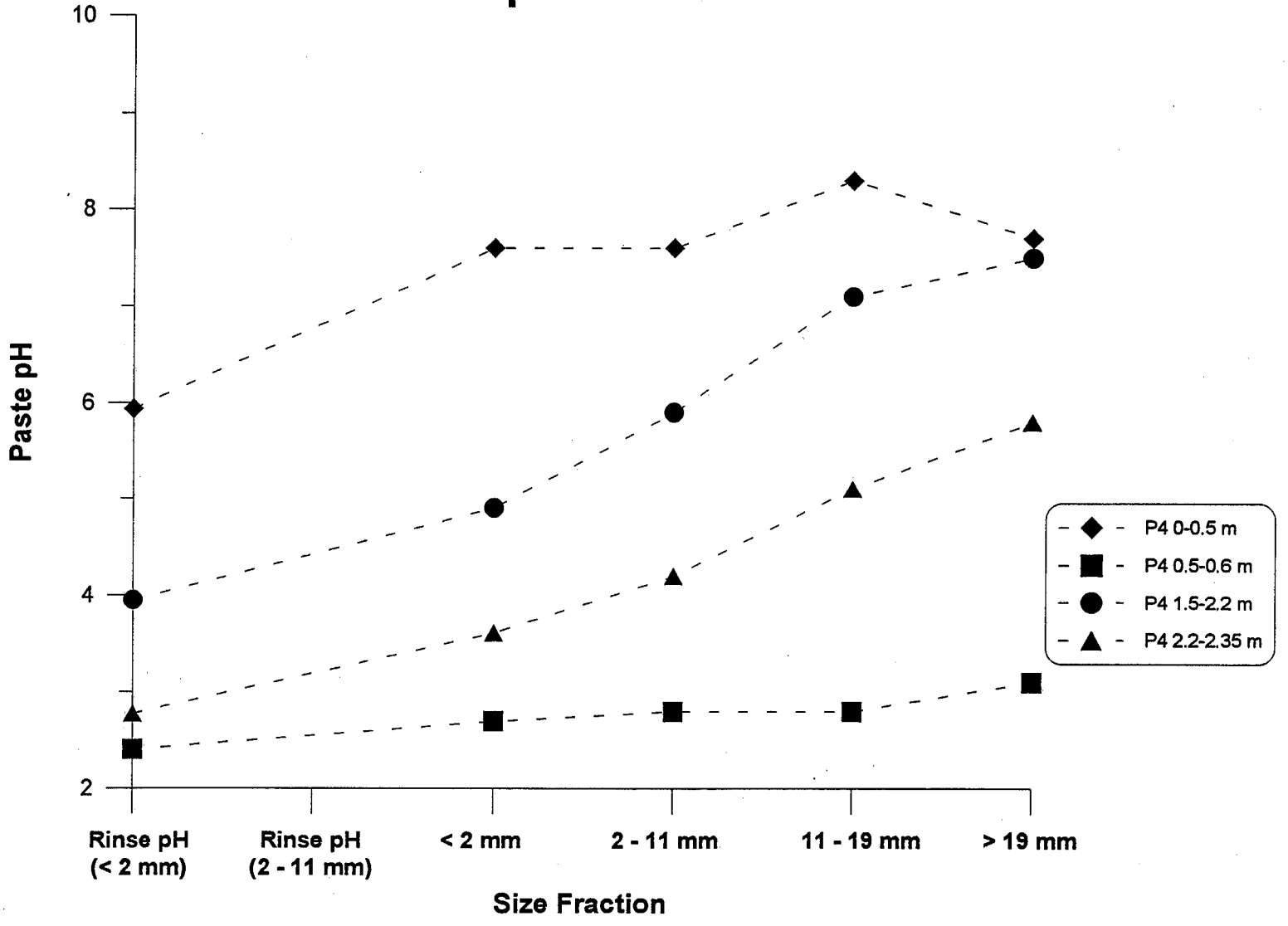
MDA Waste Rock Project

NP vs Size Fraction



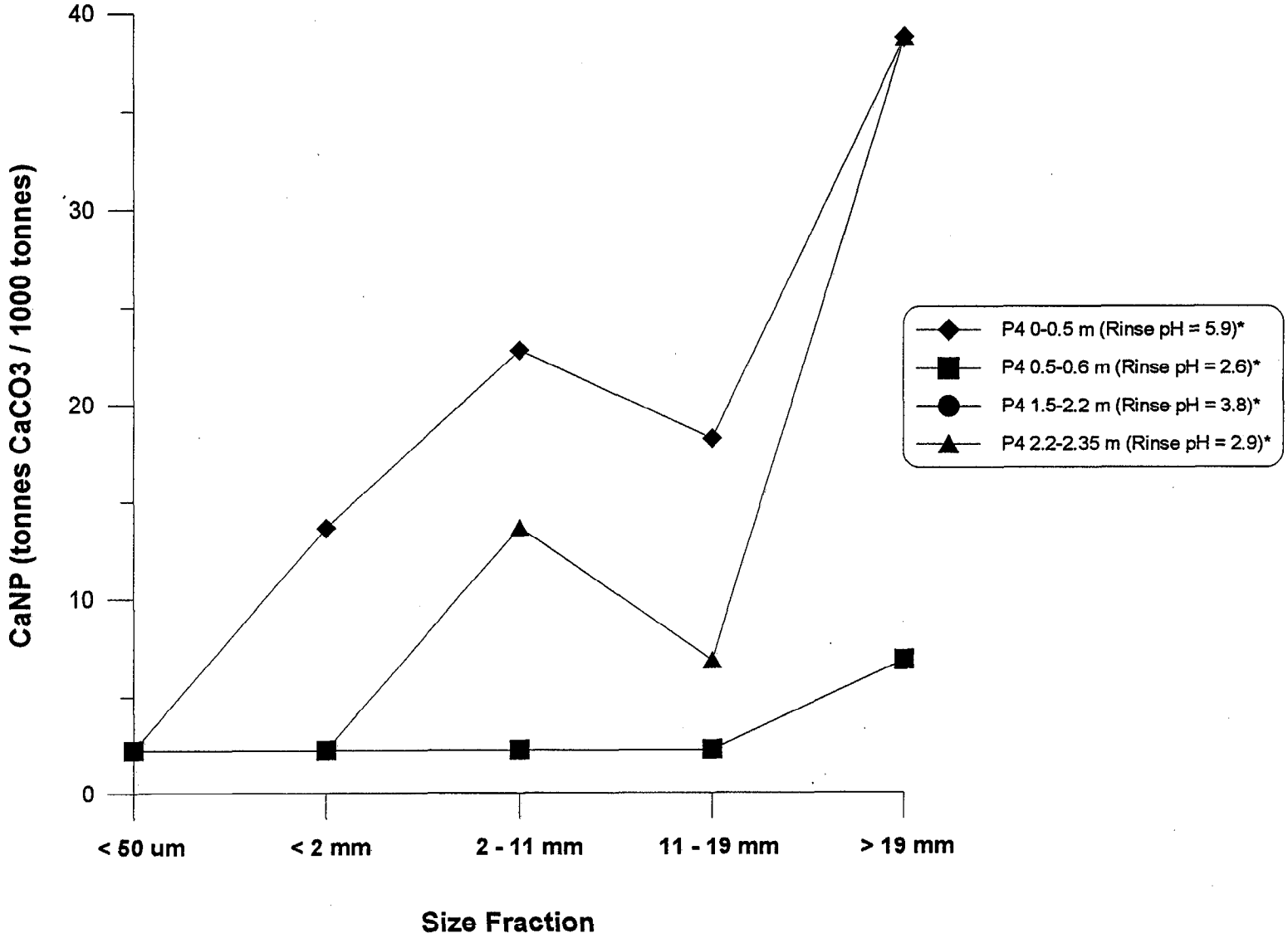
MDA Waste Rock Project

Paste pH vs Size Fraction



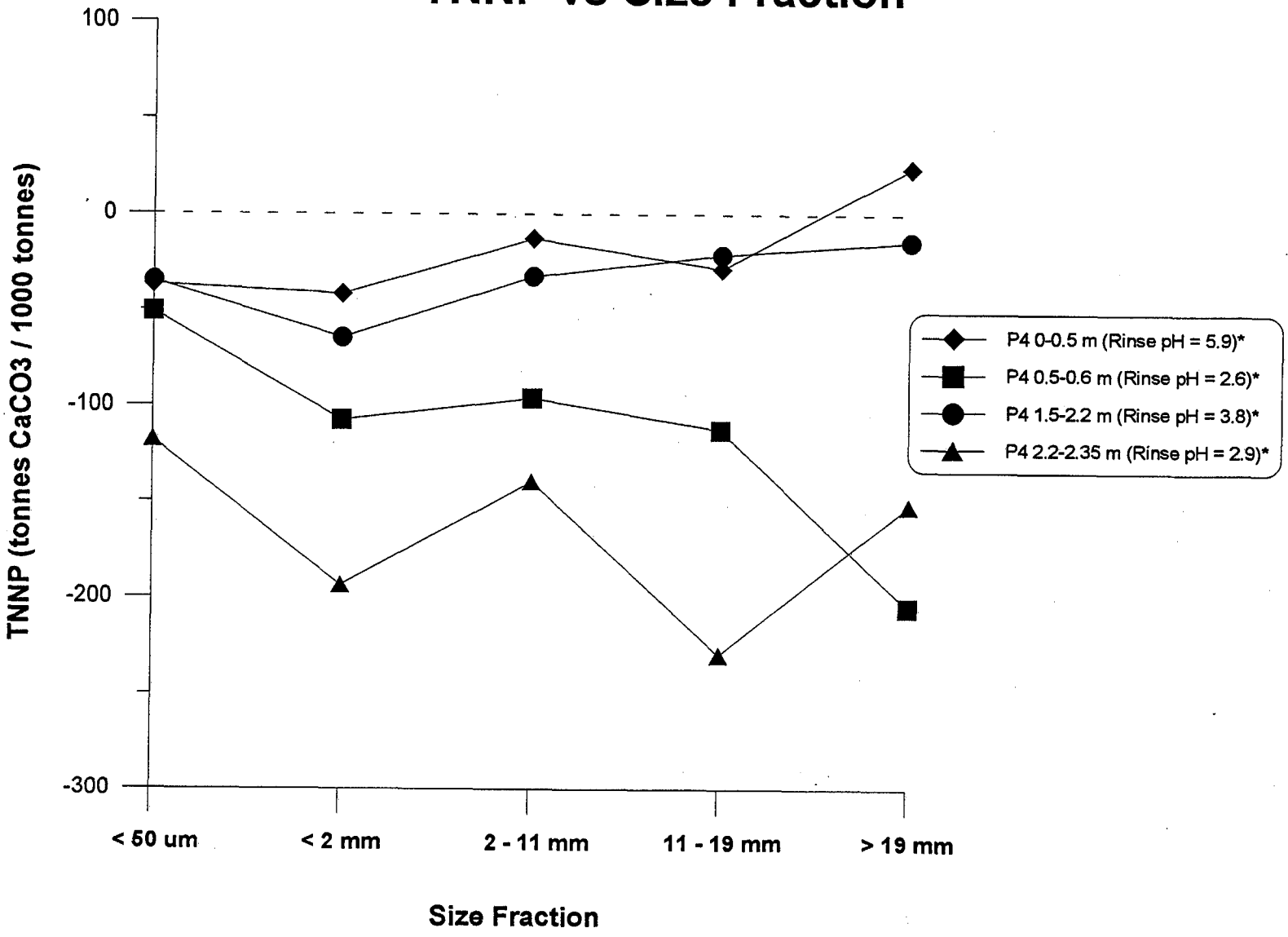
MDA Waste Rock Project

CaNP vs Size Fraction



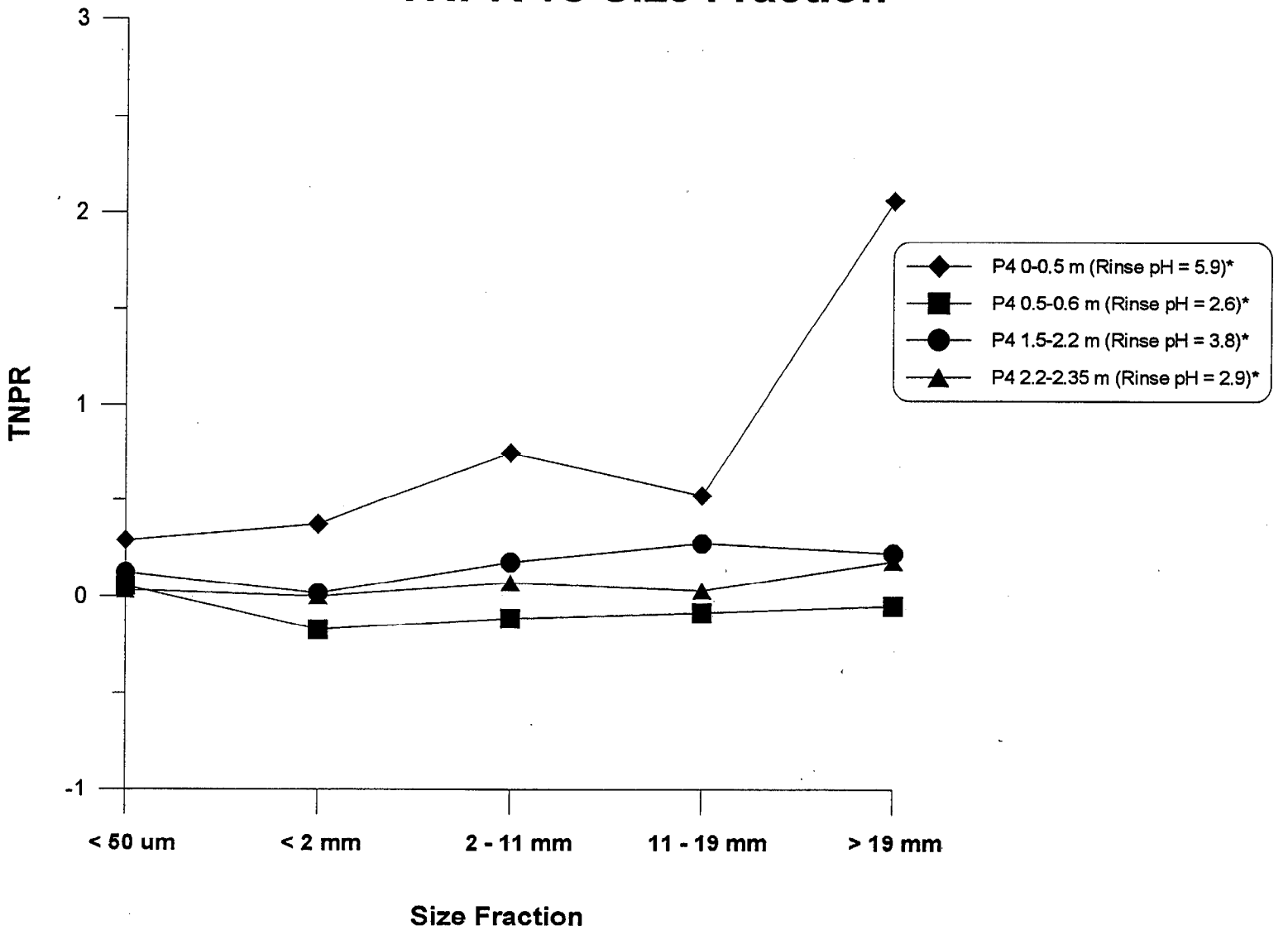
MDA Waste Rock Project

TNNP vs Size Fraction



MDA Waste Rock Project

TNPR vs Size Fraction

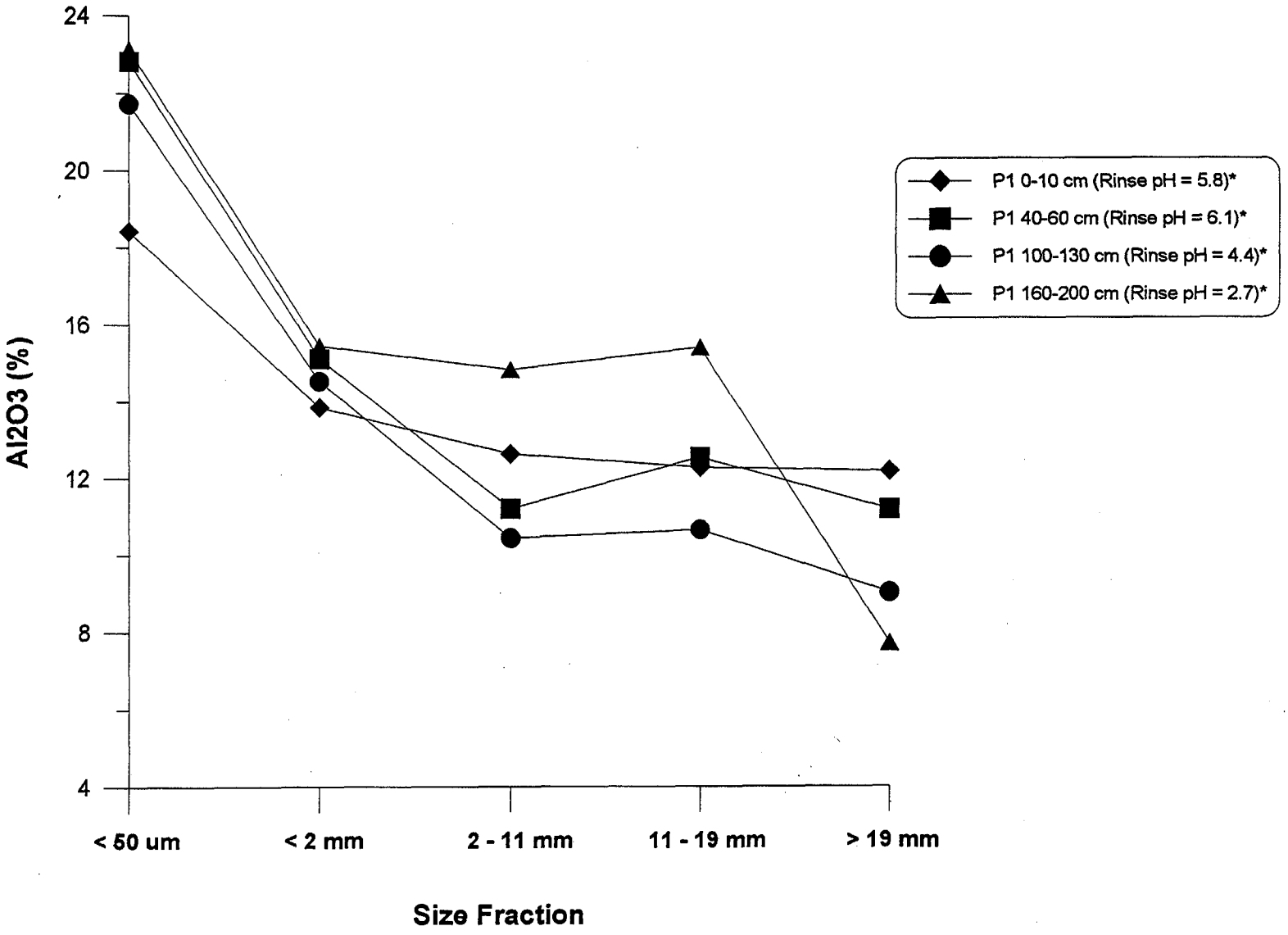


E4. Major Whole-Rock Concentration vs. Size Fraction

E4.1 Profile #1

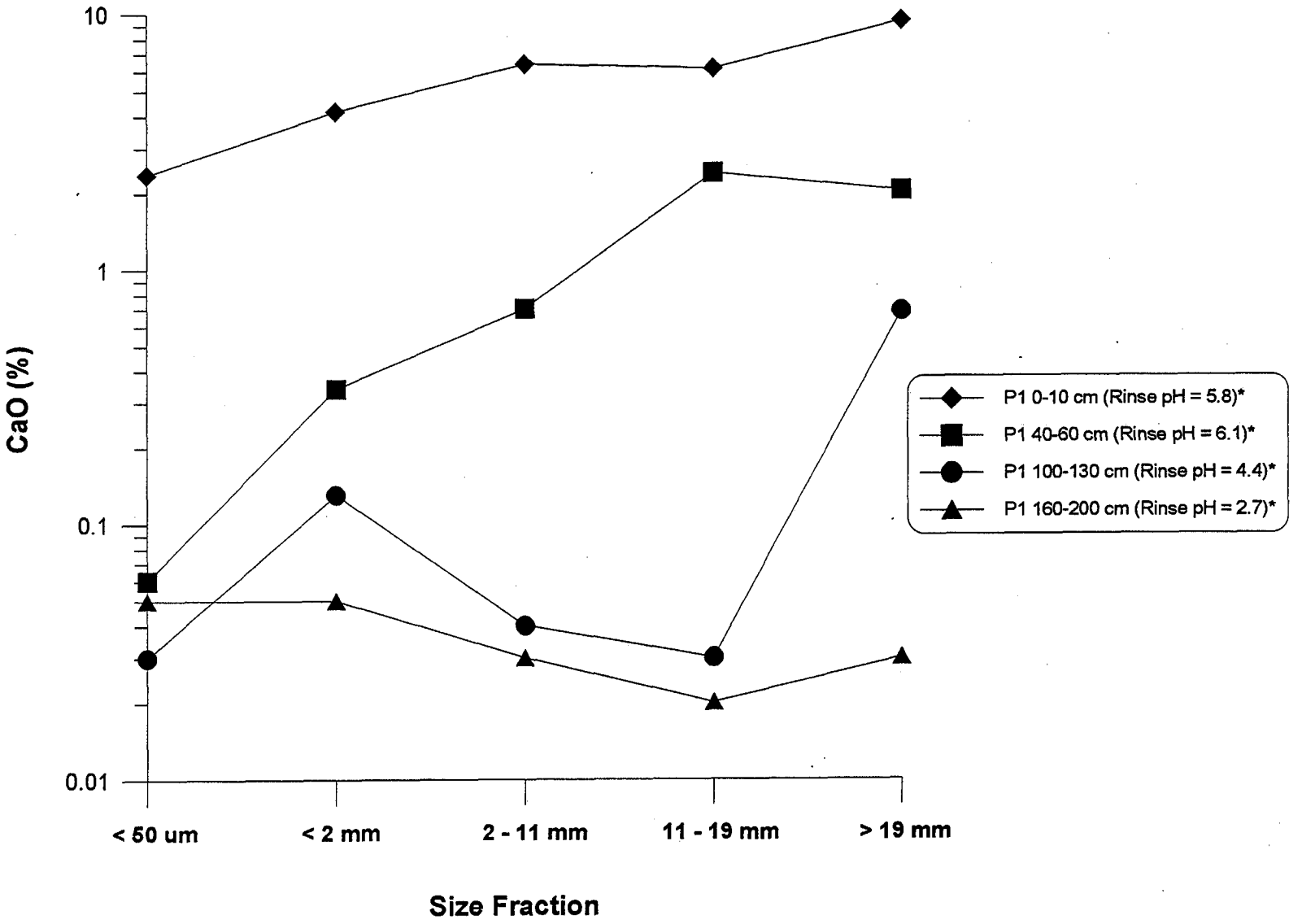
MDA Waste Rock Project

Al2O3 vs Size Fraction



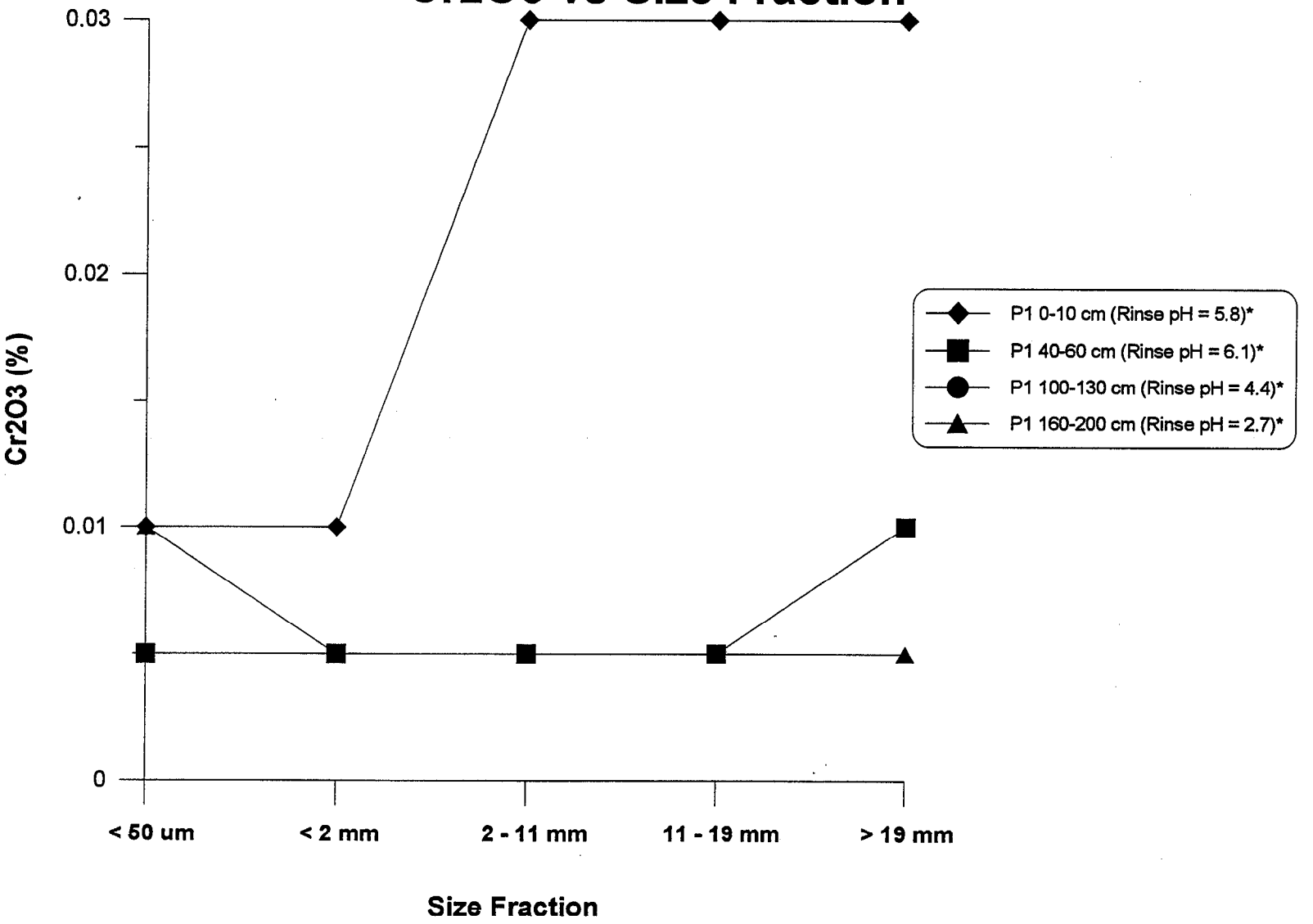
MDA Waste Rock Project

CaO vs Size Fraction



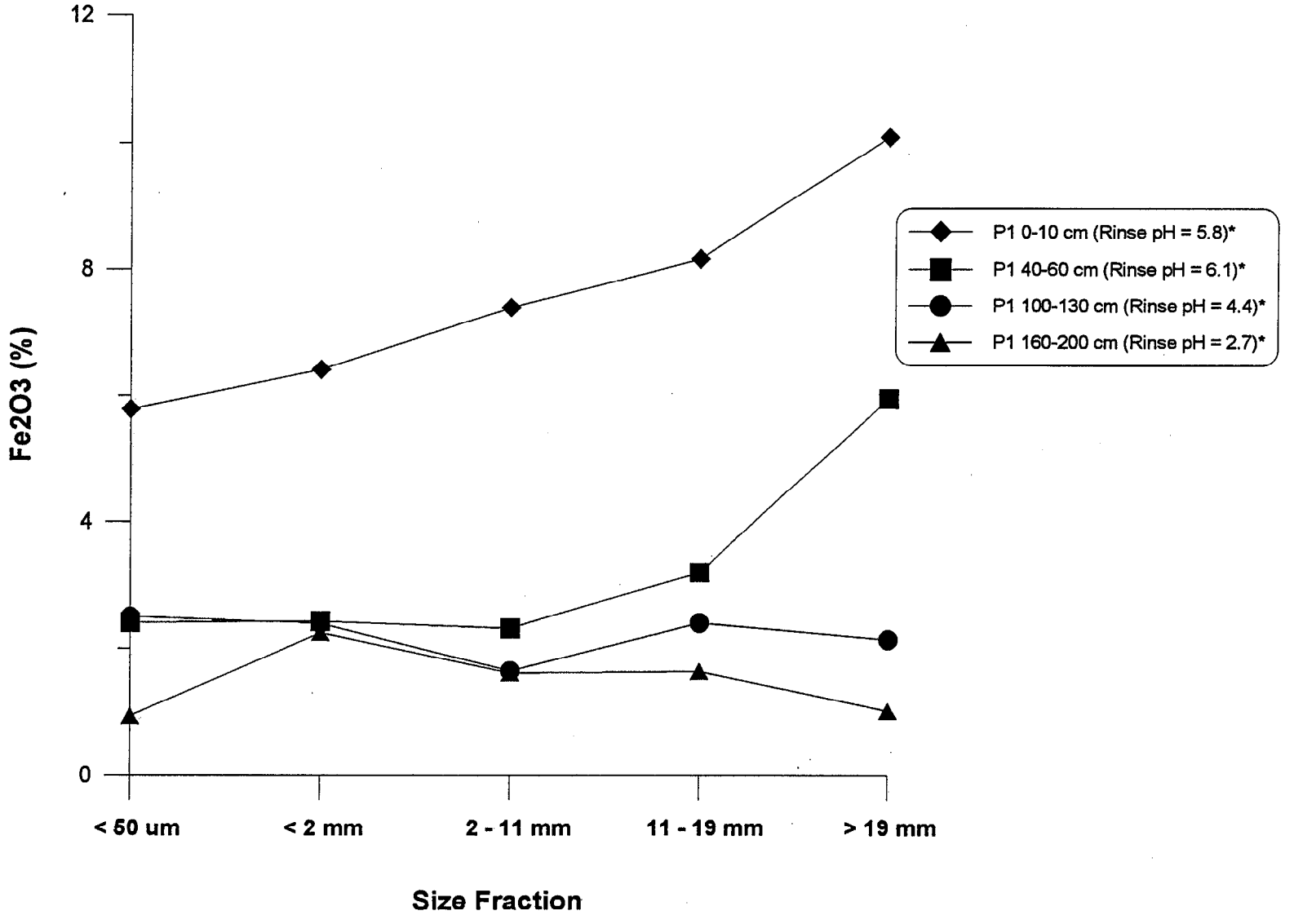
MDA Waste Rock Project

Cr2O3 vs Size Fraction



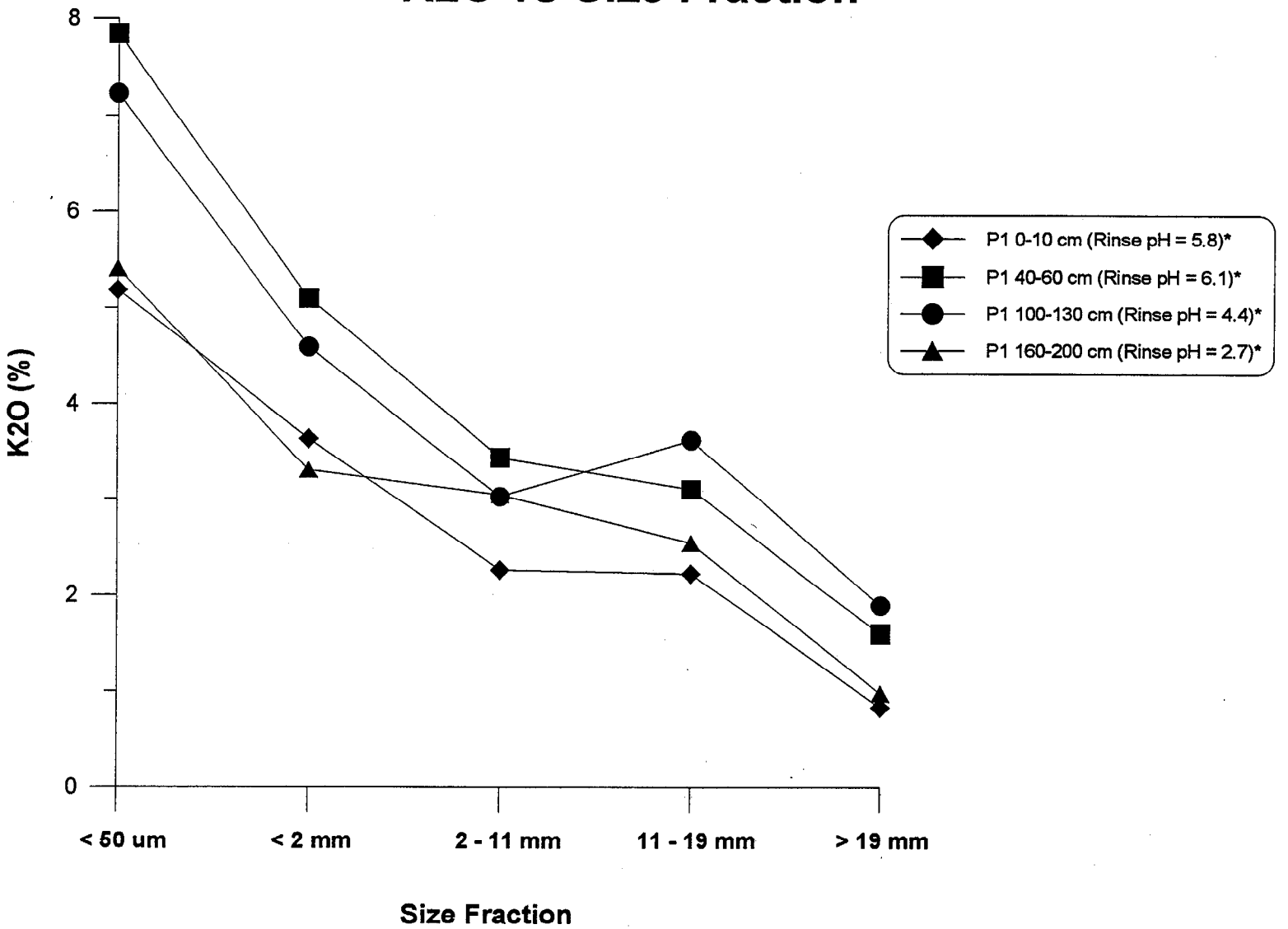
MDA Waste Rock Project

Fe2O3 vs Size Fraction



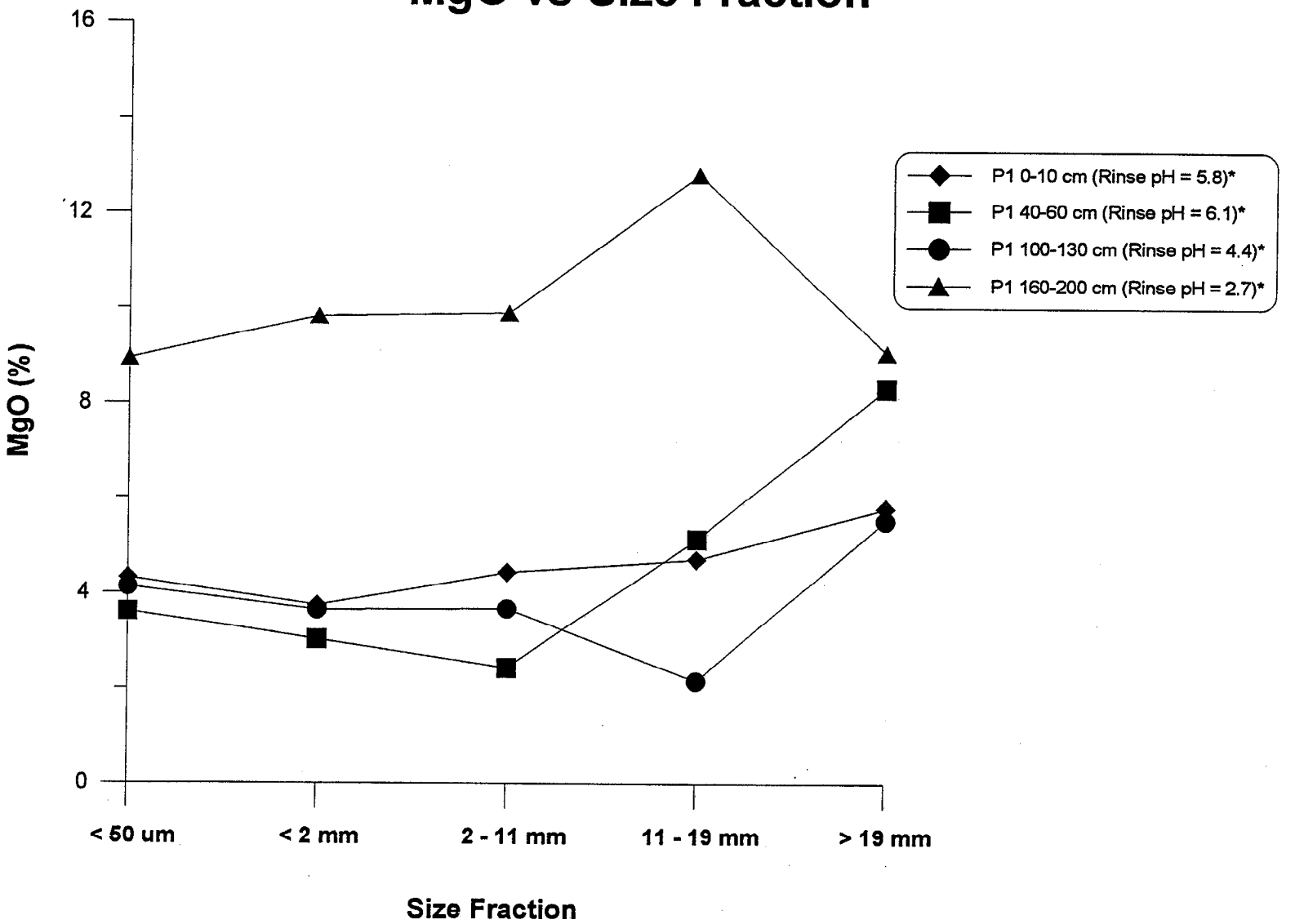
MDA Waste Rock Project

K2O vs Size Fraction



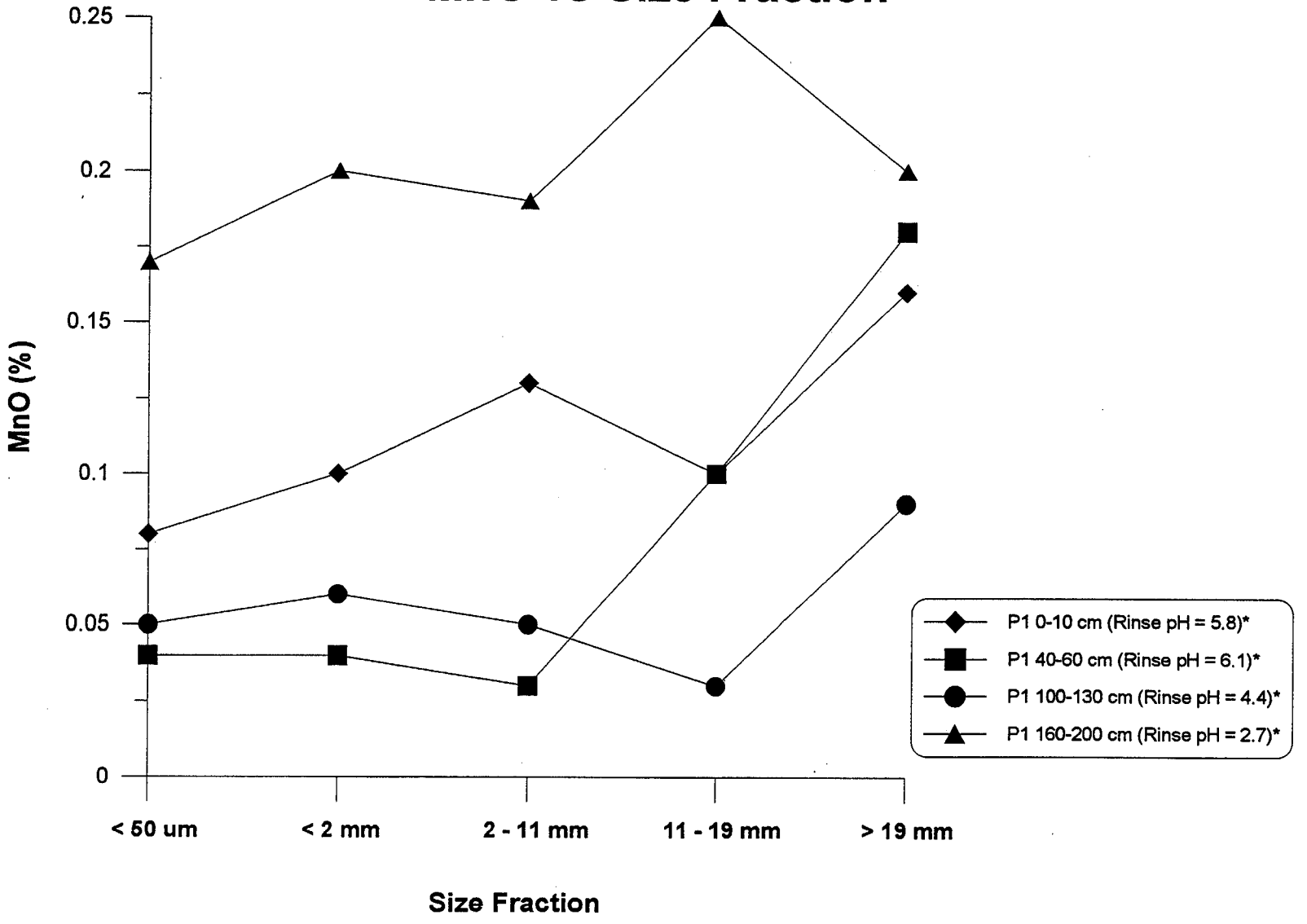
MDA Waste Rock Project

MgO vs Size Fraction



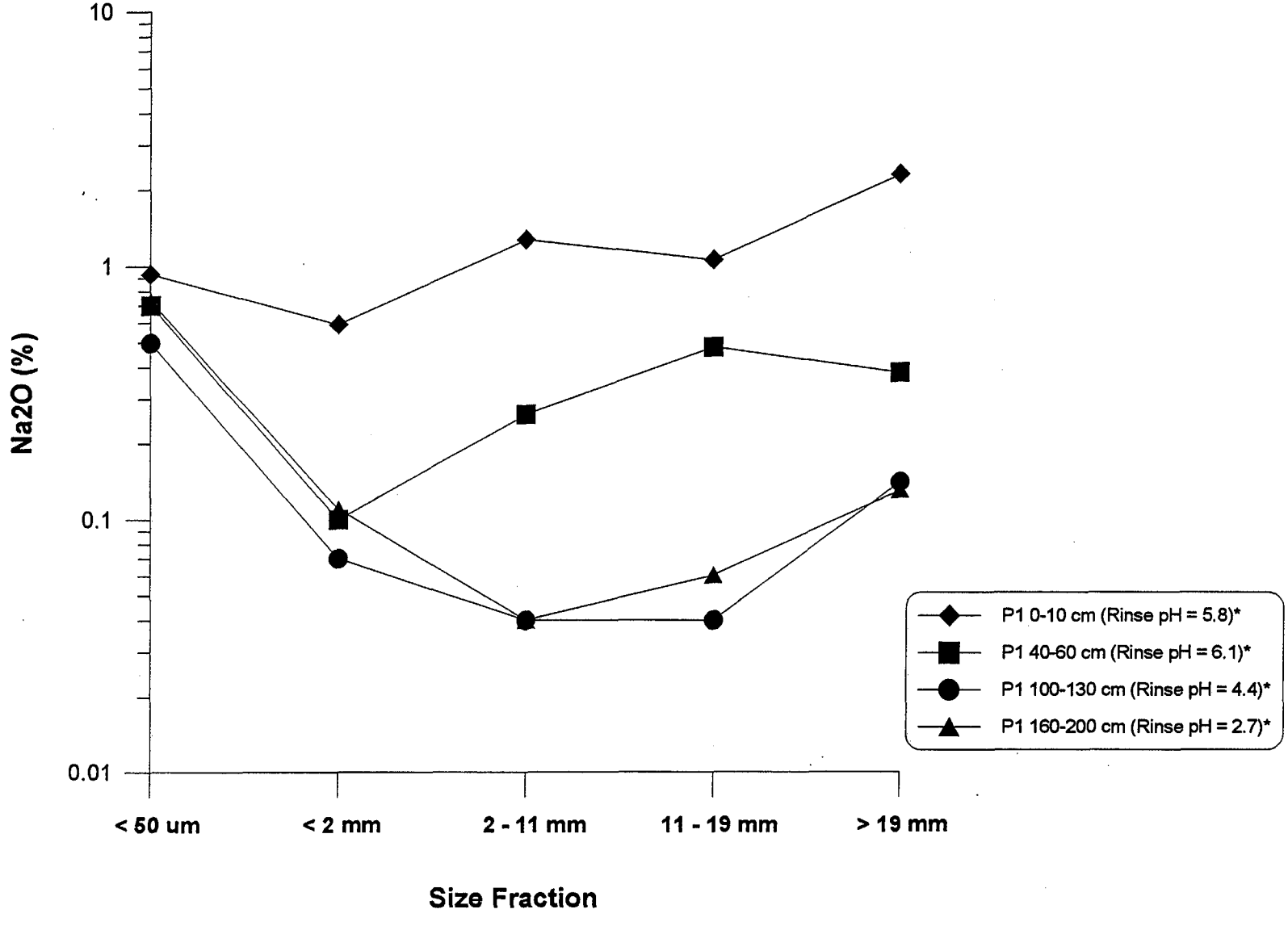
MDA Waste Rock Project

MnO vs Size Fraction



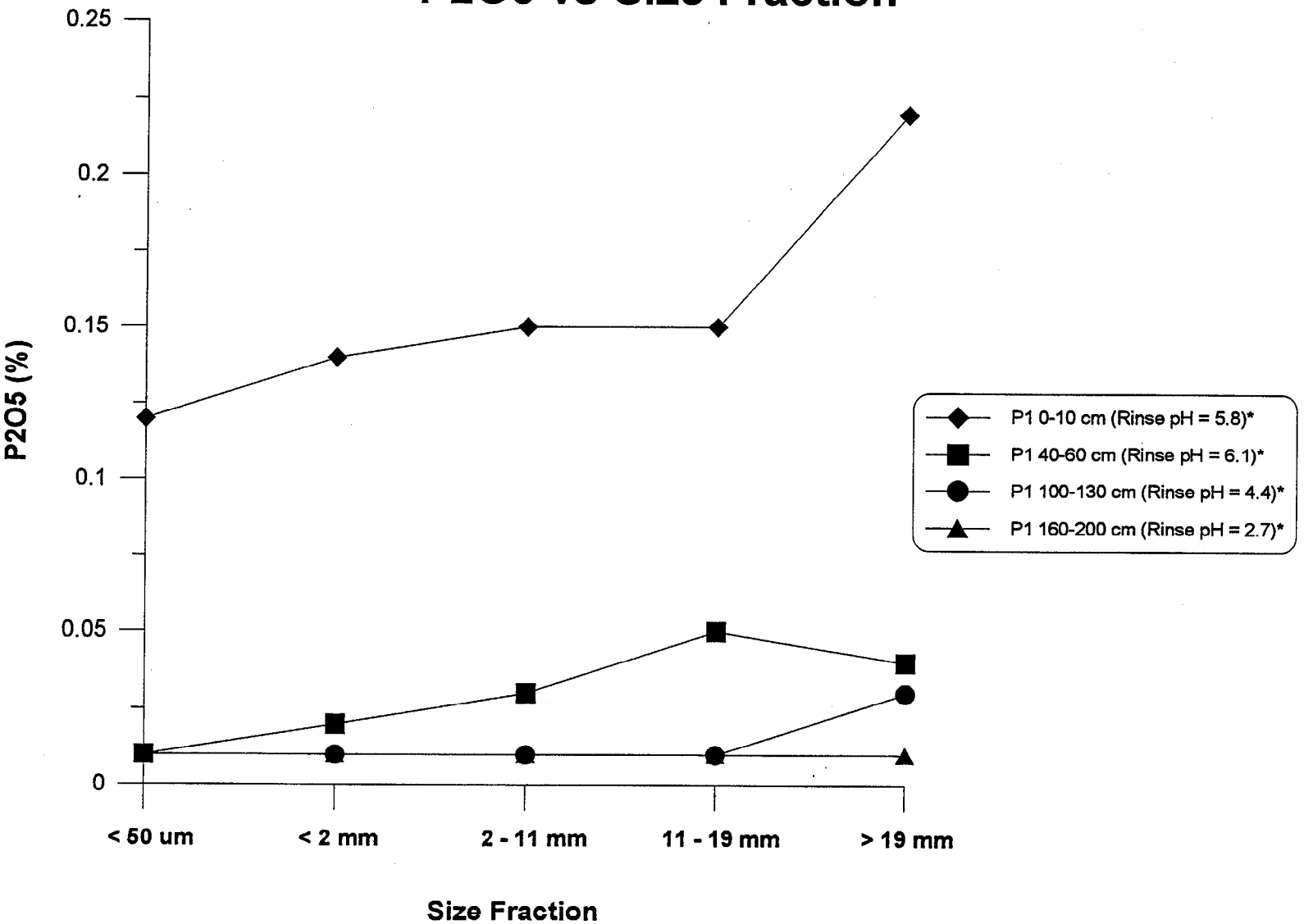
MDA Waste Rock Project

Na2O vs Size Fraction



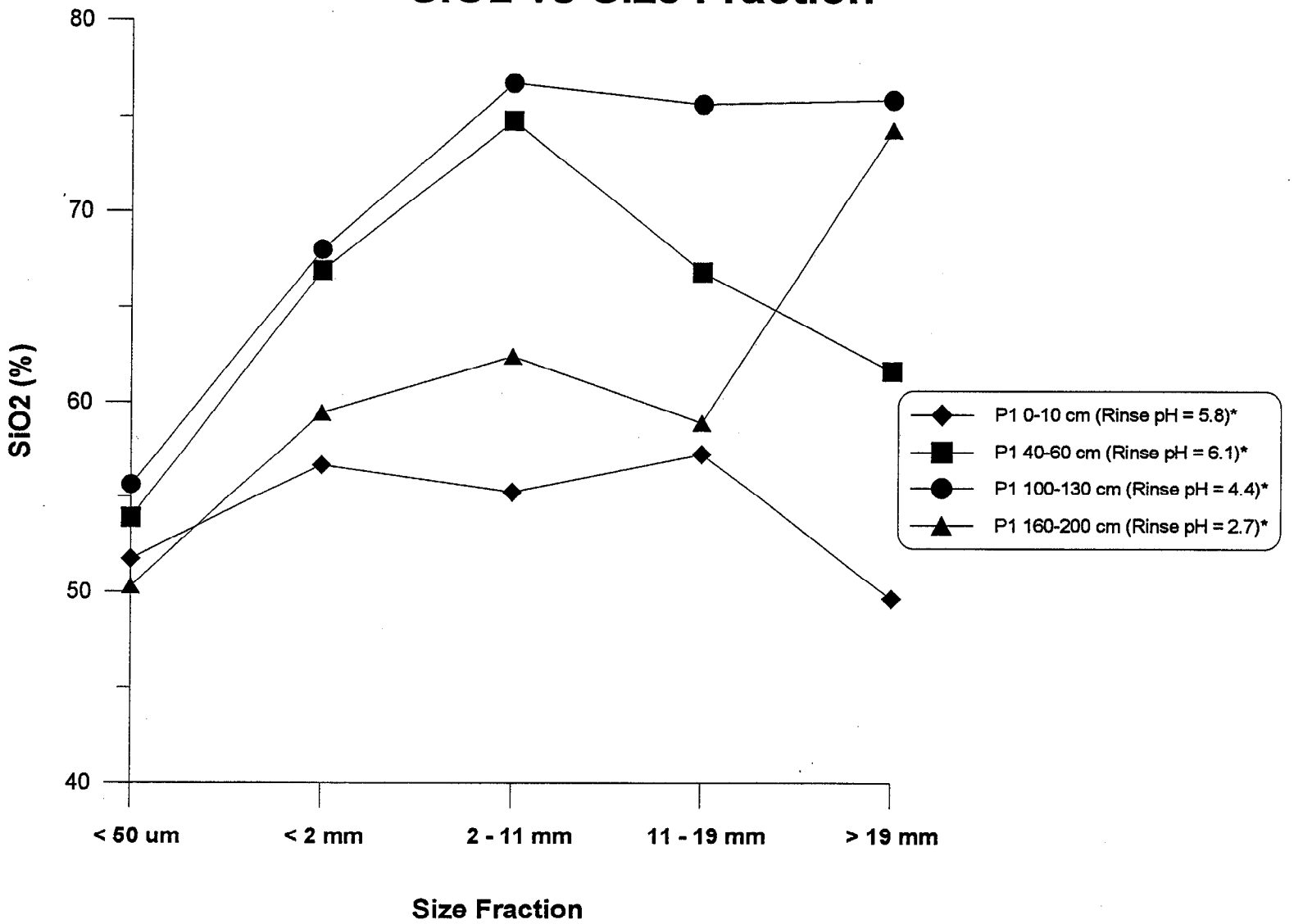
MDA Waste Rock Project

P2O5 vs Size Fraction



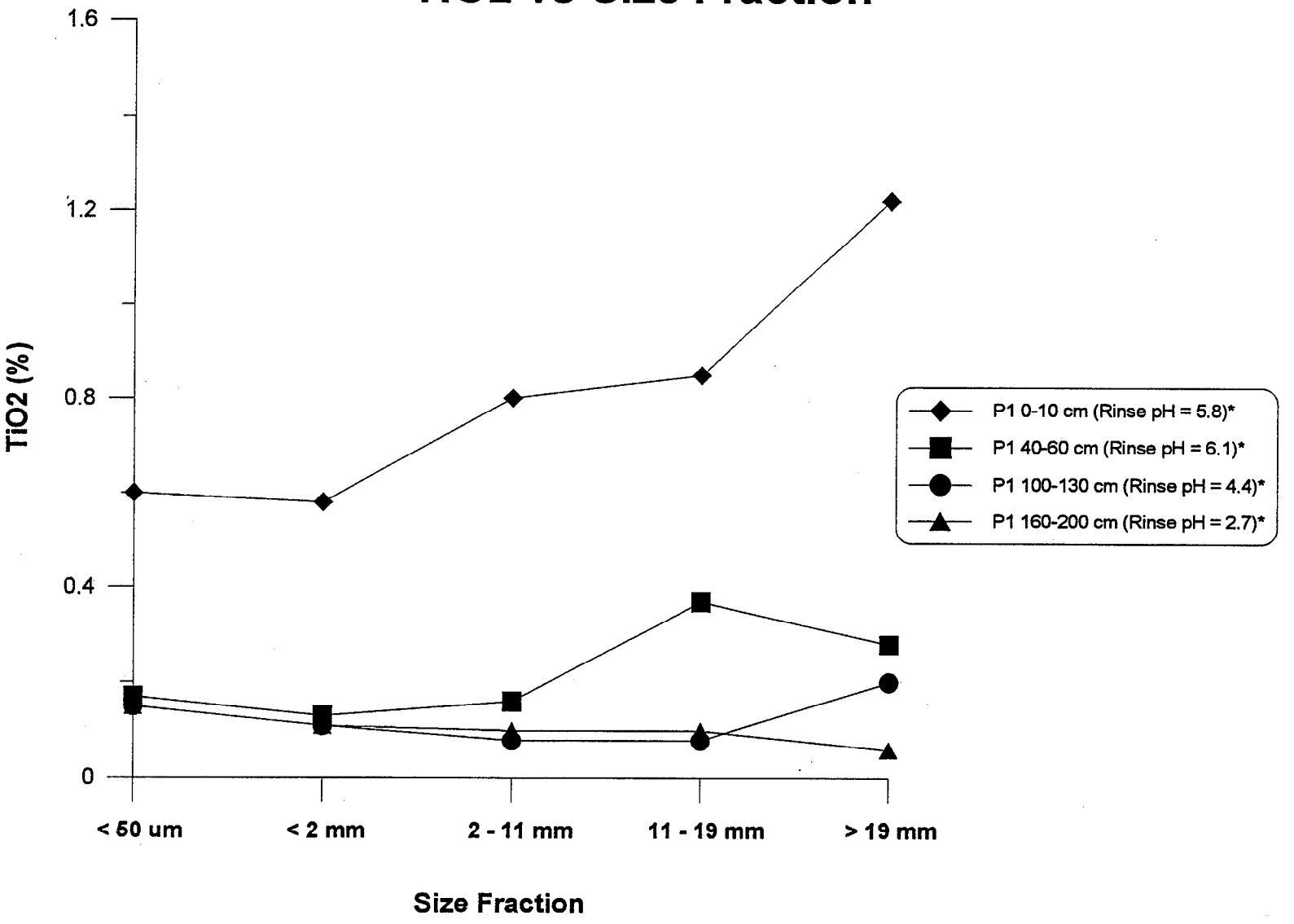
MDA Waste Rock Project

SiO2 vs Size Fraction



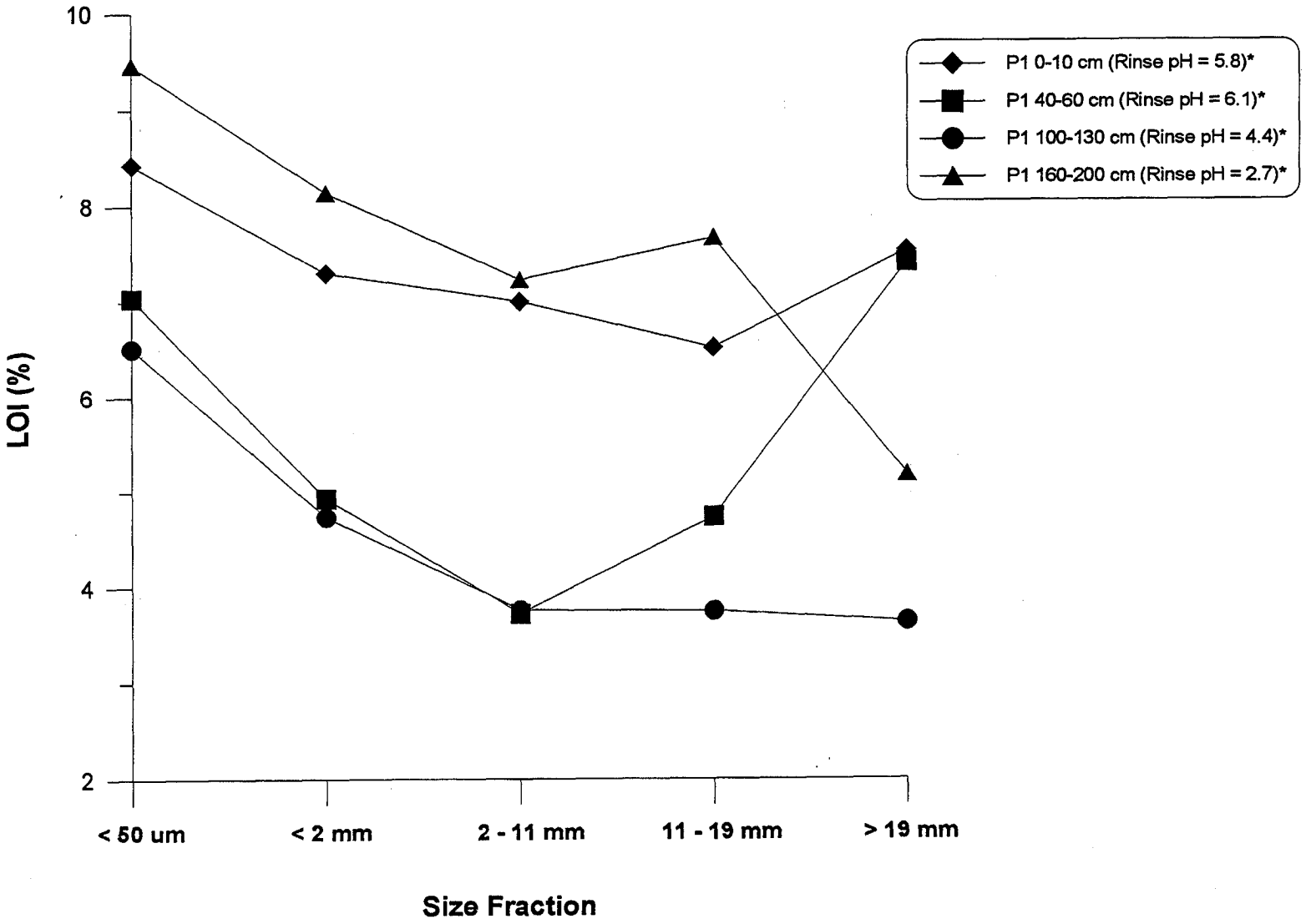
MDA Waste Rock Project

TiO2 vs Size Fraction



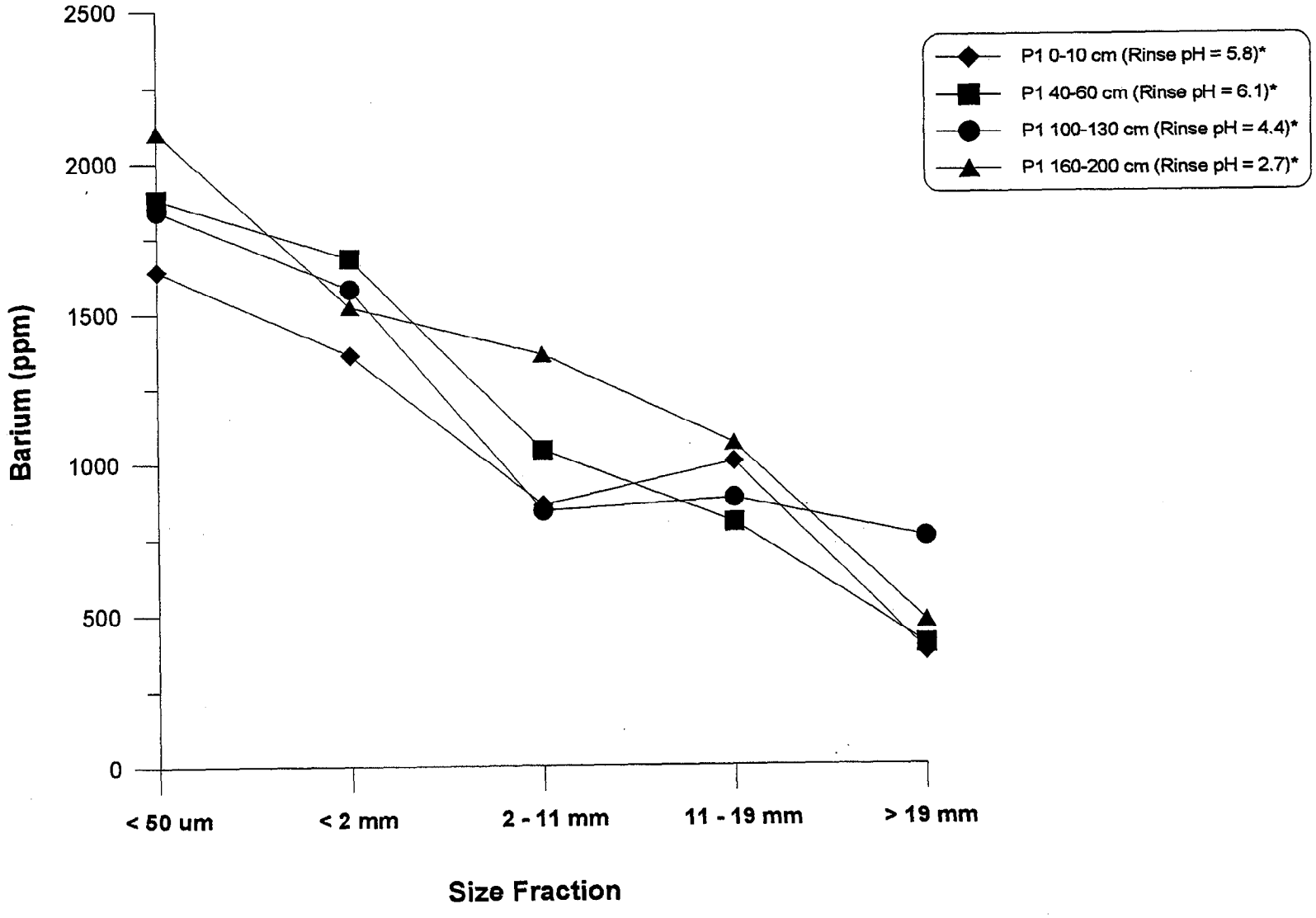
MDA Waste Rock Project

LOI vs Size Fraction



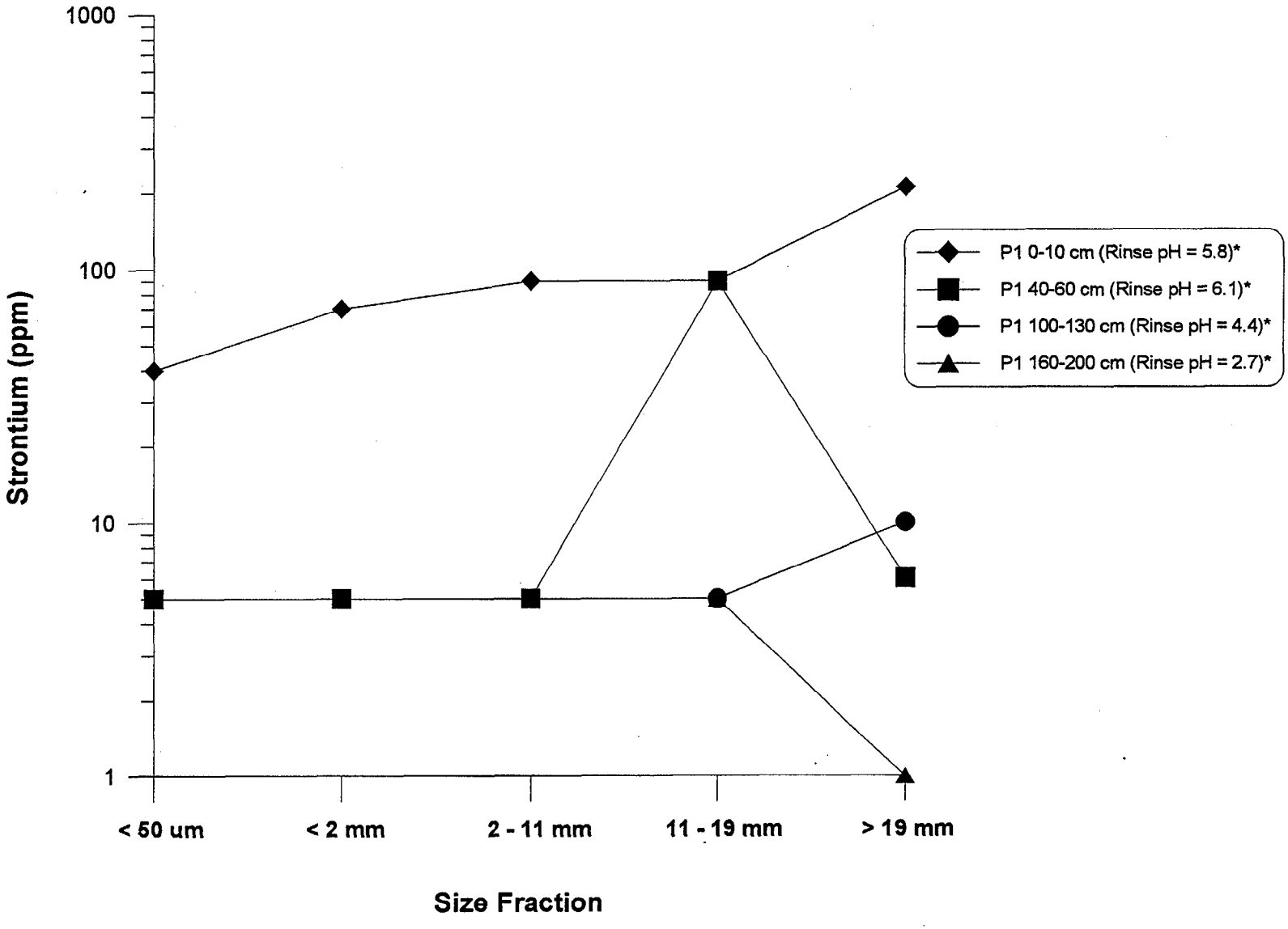
MDA Waste Rock Project

Barium vs Size Fraction



MDA Waste Rock Project

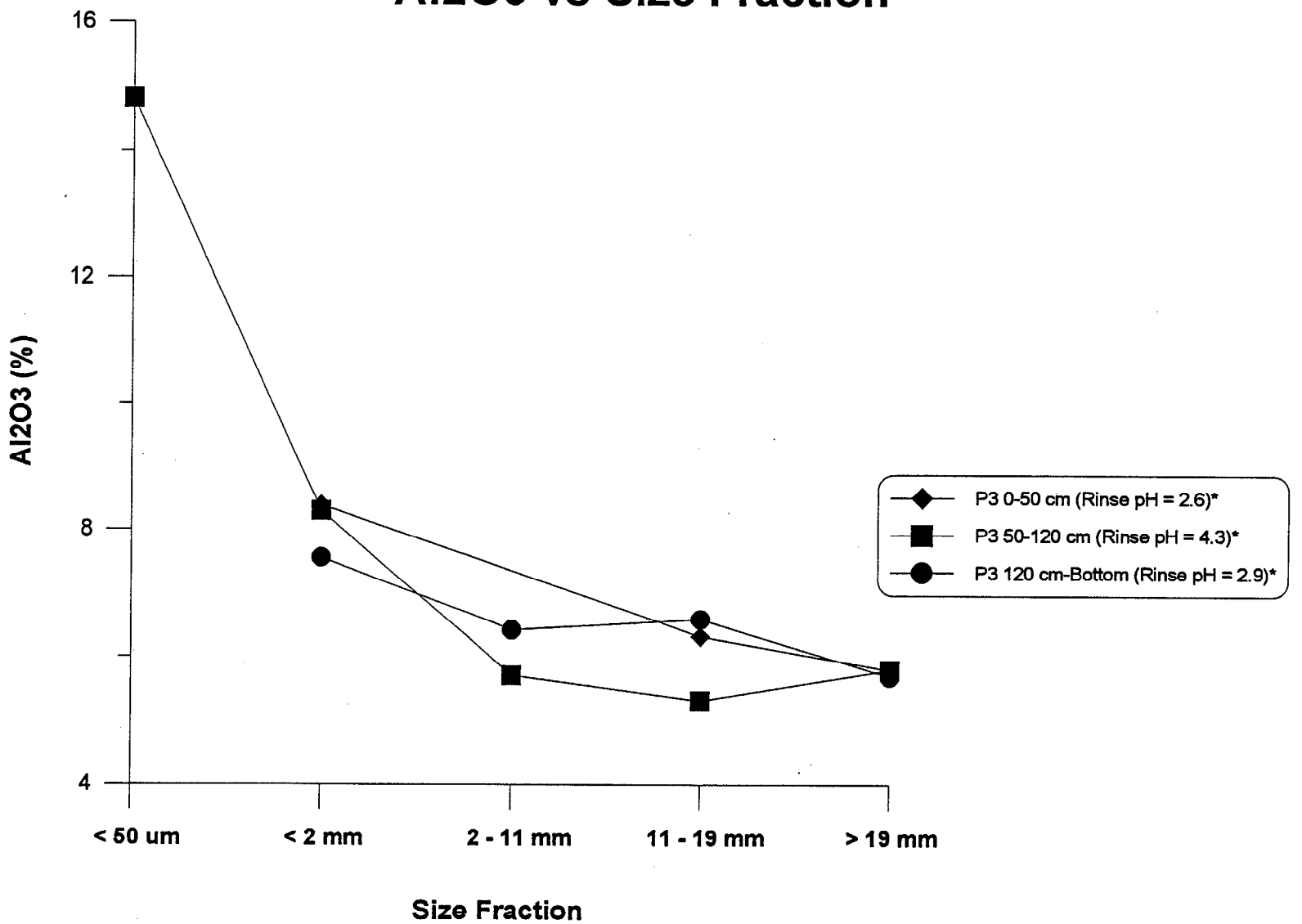
Strontium vs Size Fraction



E4.2 Profile #3

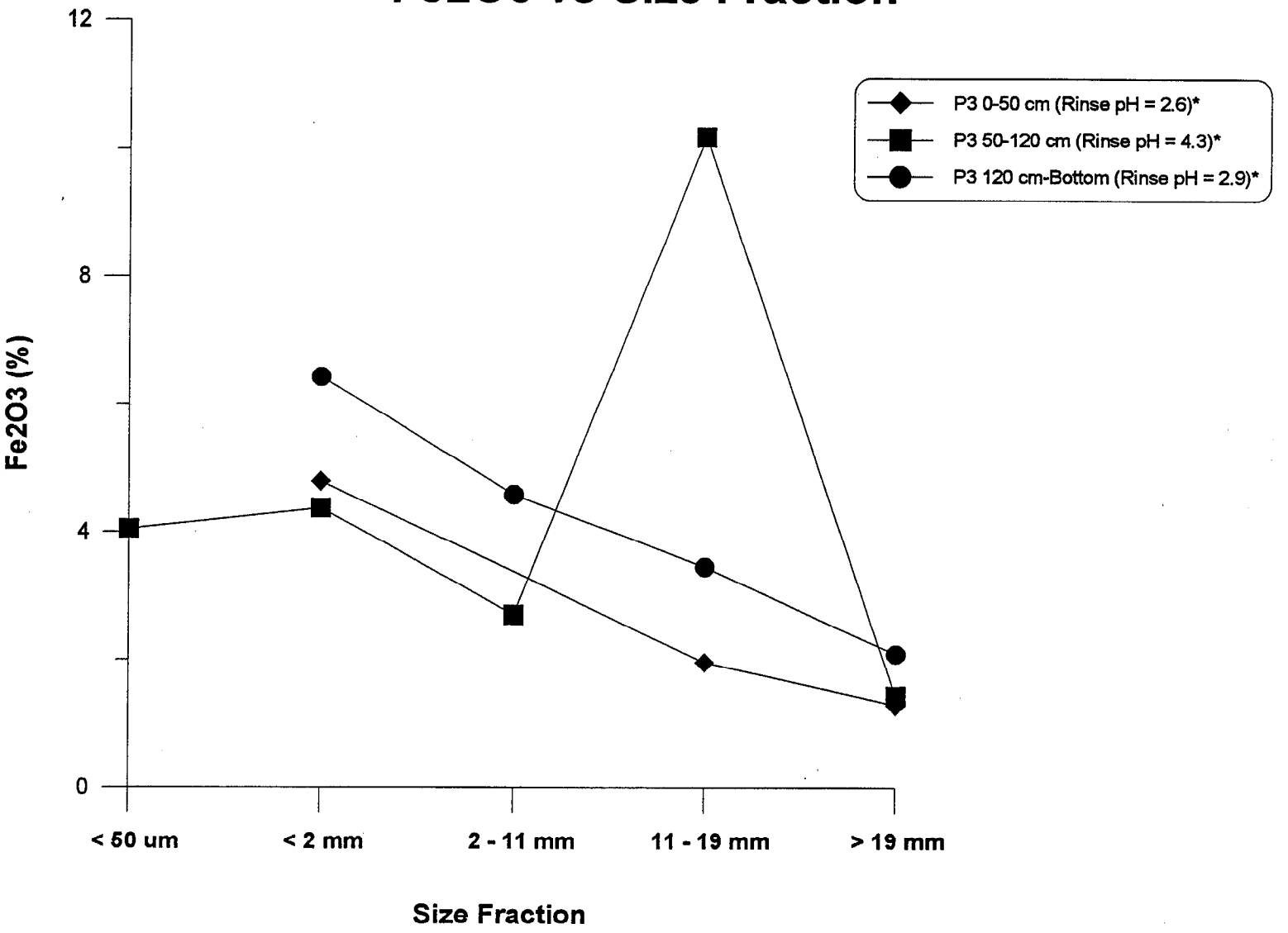
MDA Waste Rock Project

Al2O3 vs Size Fraction



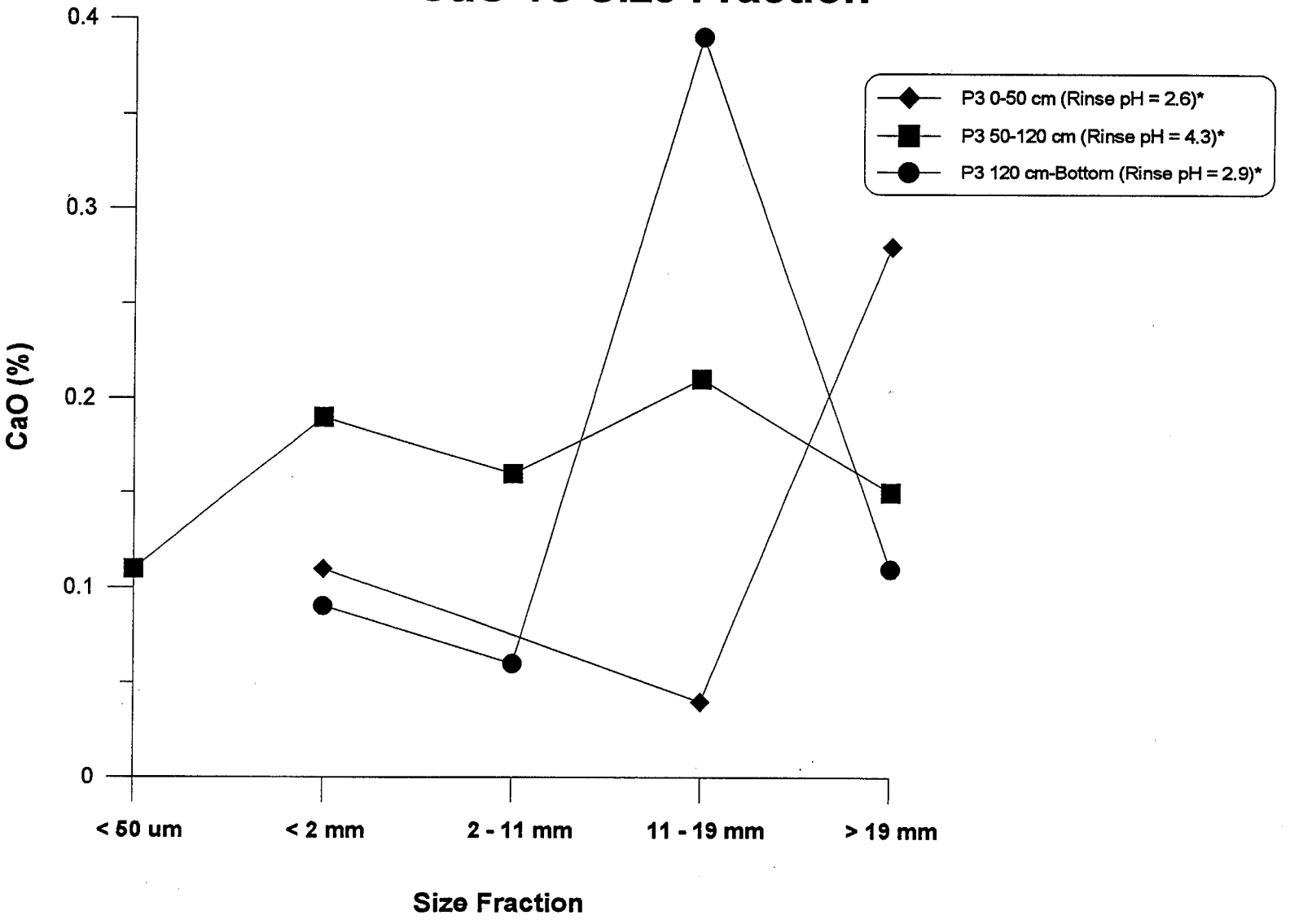
MDA Waste Rock Project

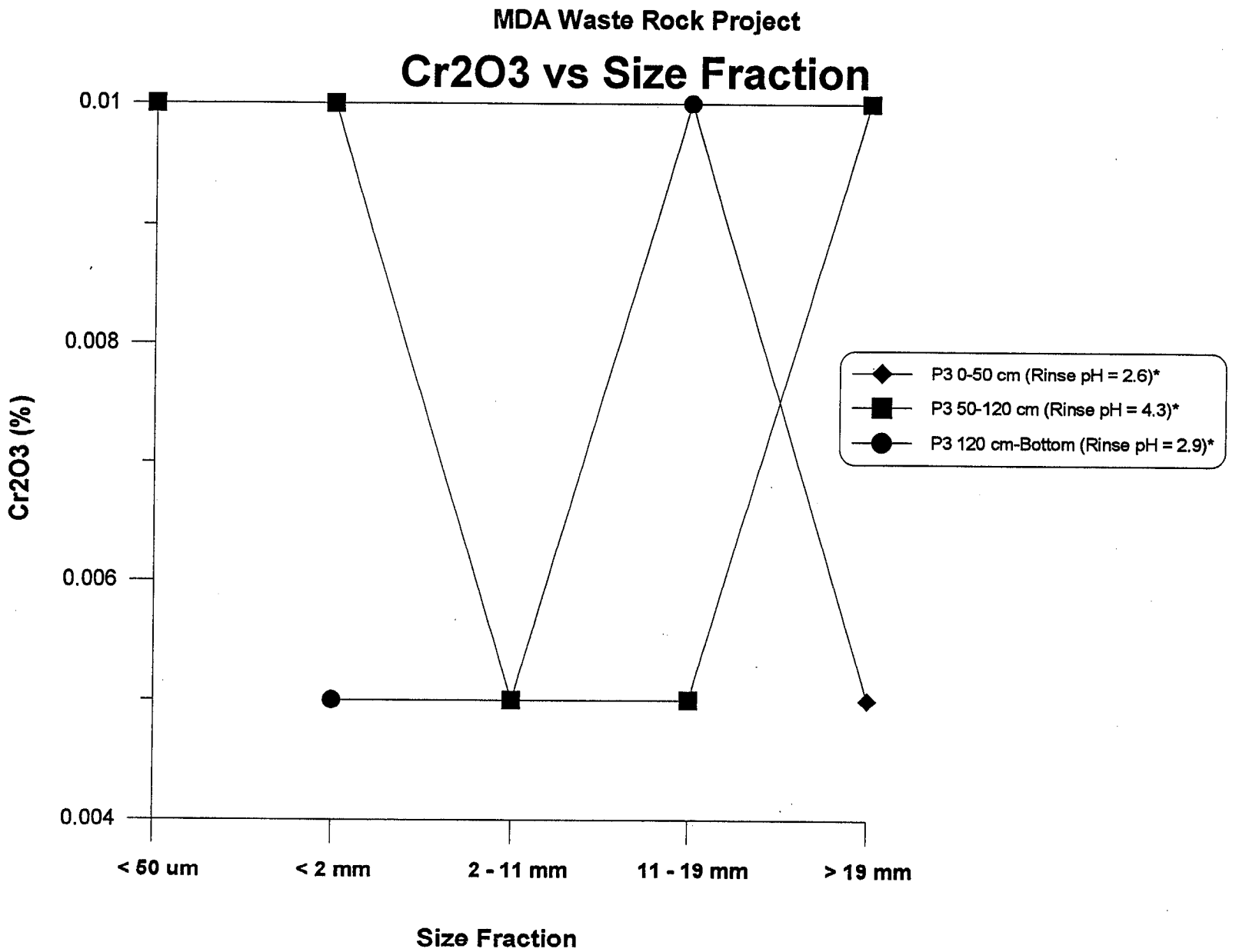
Fe2O3 vs Size Fraction



MDA Waste Rock Project

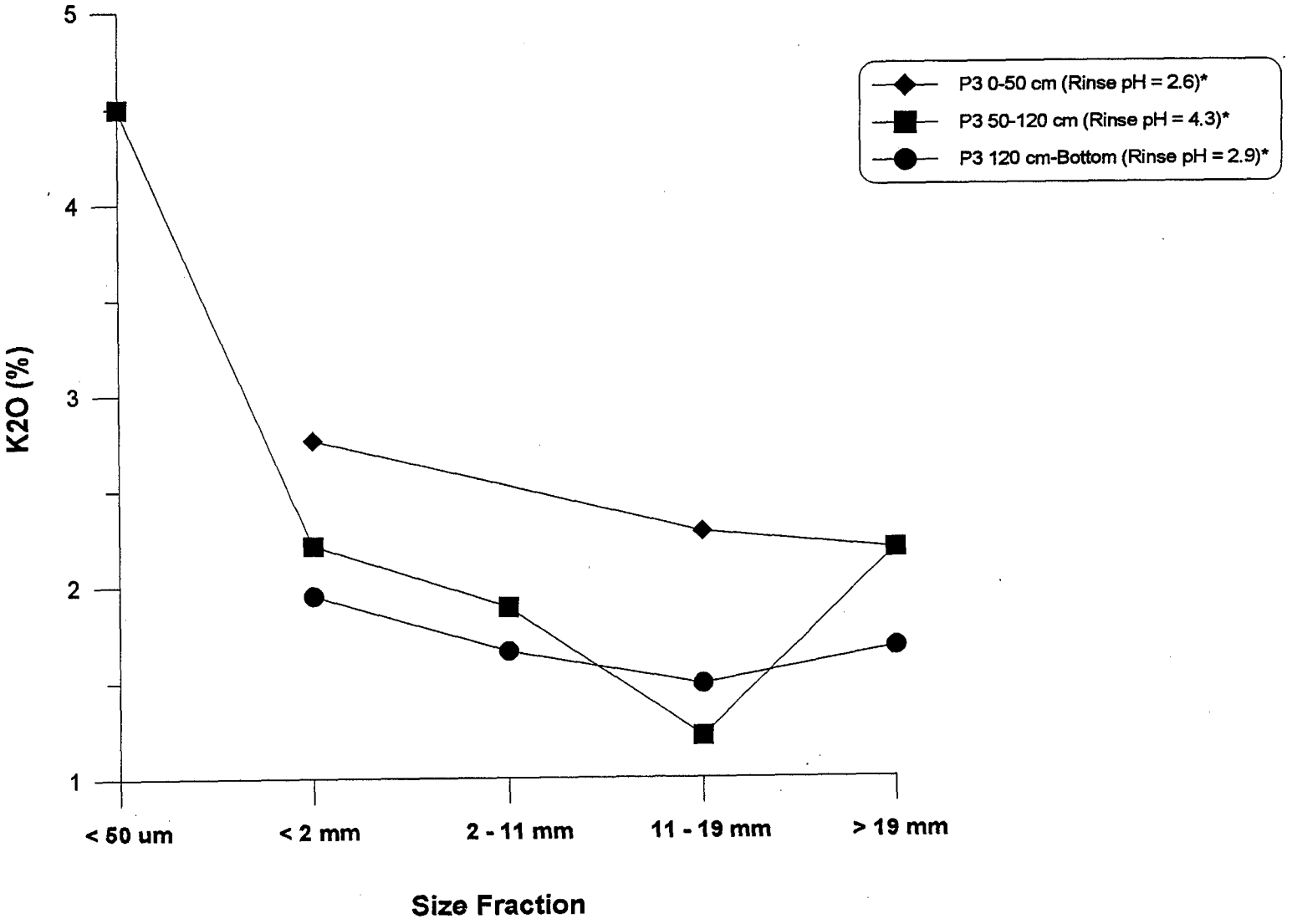
CaO vs Size Fraction




MDA Waste Rock Project
Cr2O3 vs Size Fraction
0.01
0.008
0.006
0.004
Cr2O3 (%)
< 50 um
< 2 mm
2 - 11 mm
11 - 19 mm
> 19 mm
Size Fraction
P3 0-50 cm (Rinse pH = 2.6)*
P3 50-120 cm (Rinse pH = 4.3)*
P3 120 cm-Bottom (Rinse pH = 2.9)*

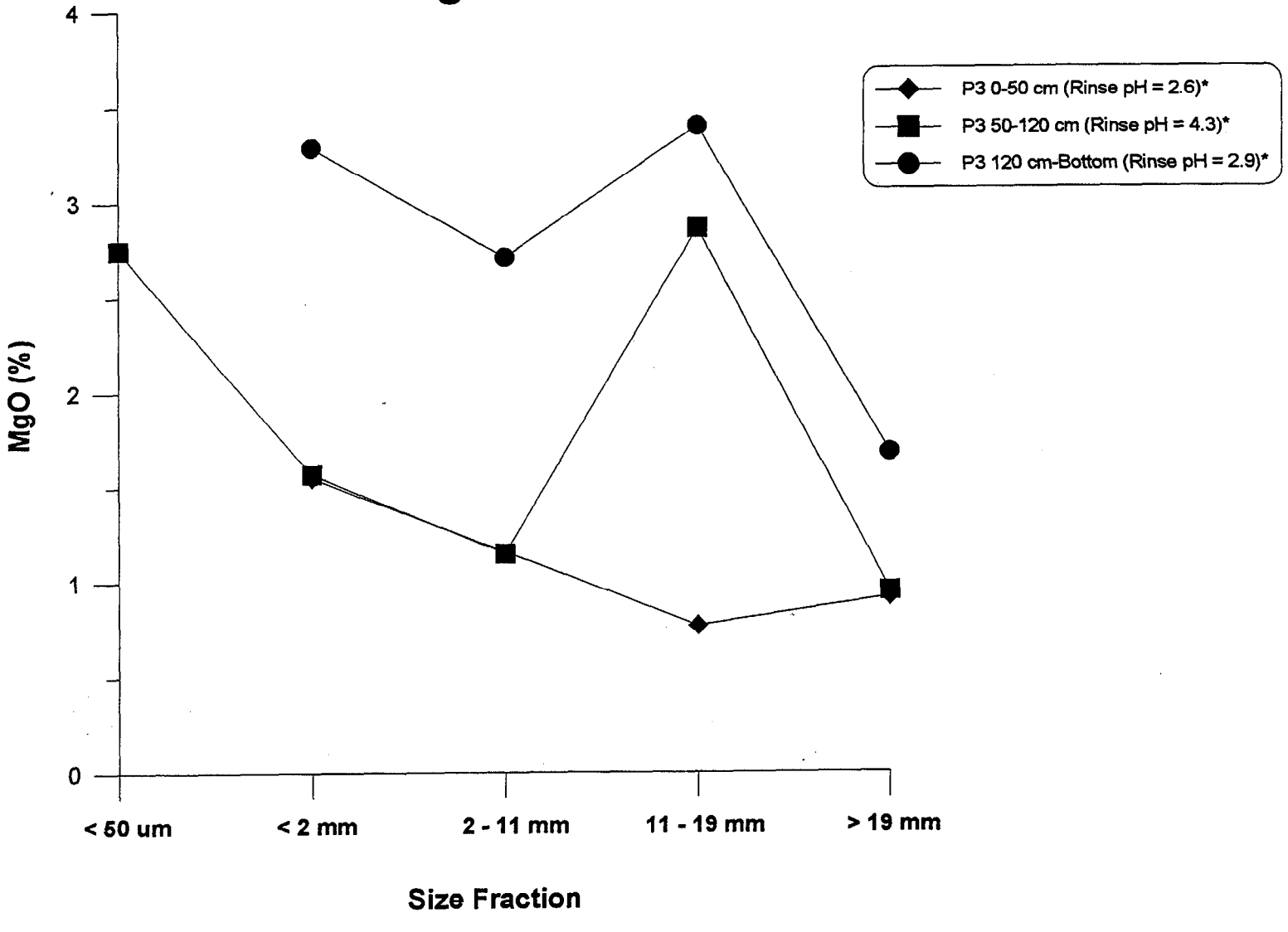
MDA Waste Rock Project

K2O vs Size Fraction



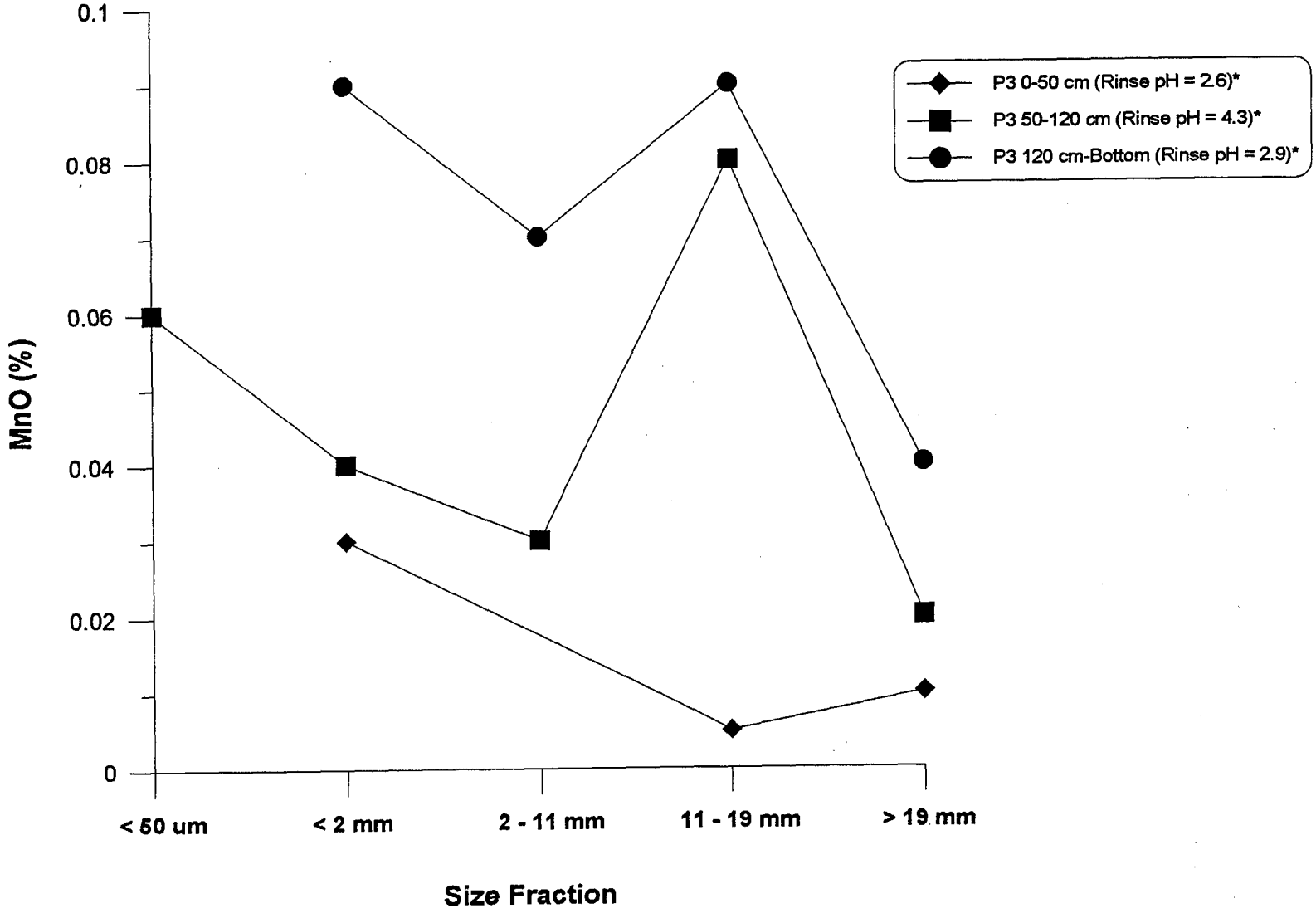
MDA Waste Rock Project

MgO vs Size Fraction



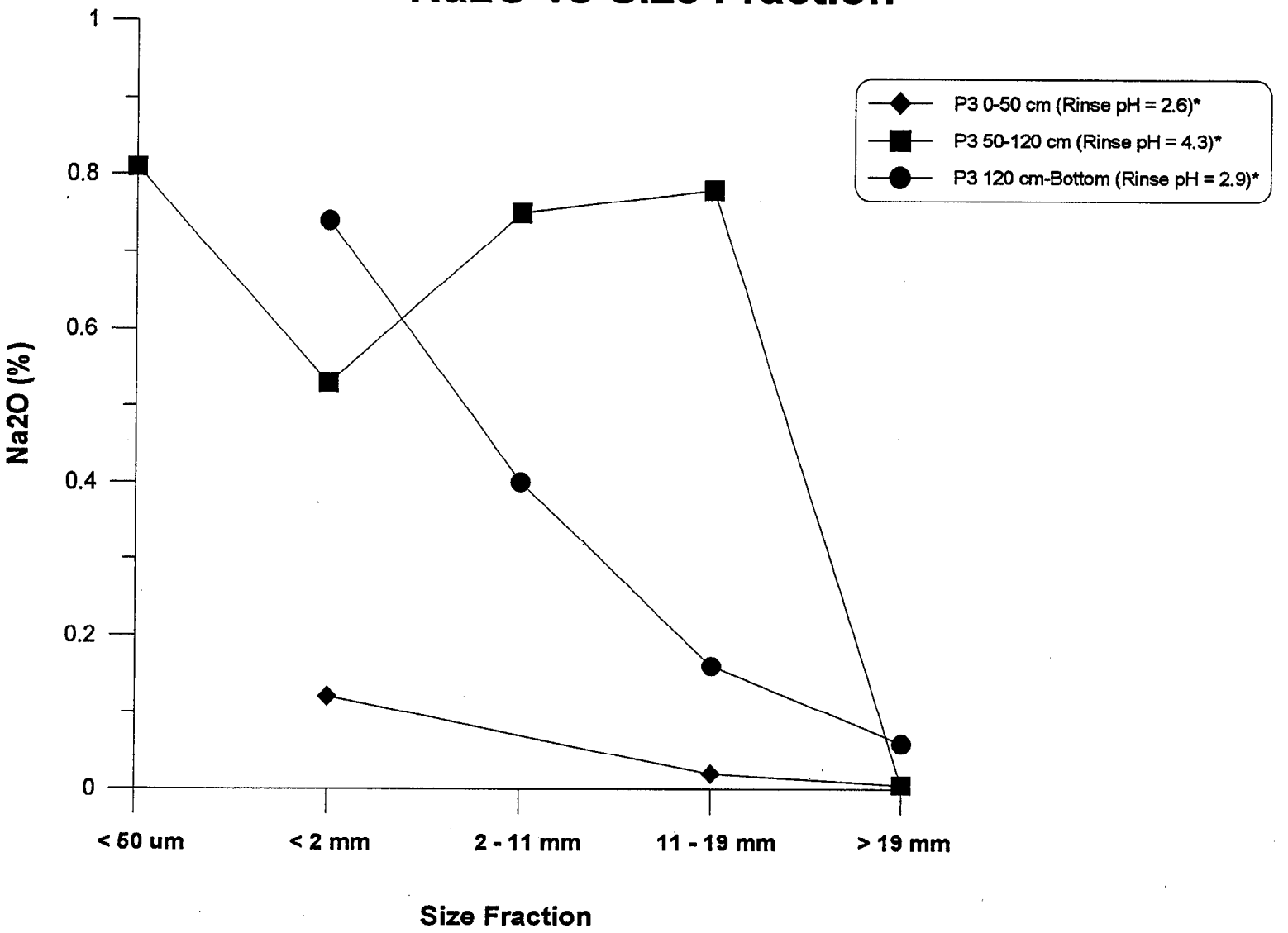
MDA Waste Rock Project

MnO vs Size Fraction



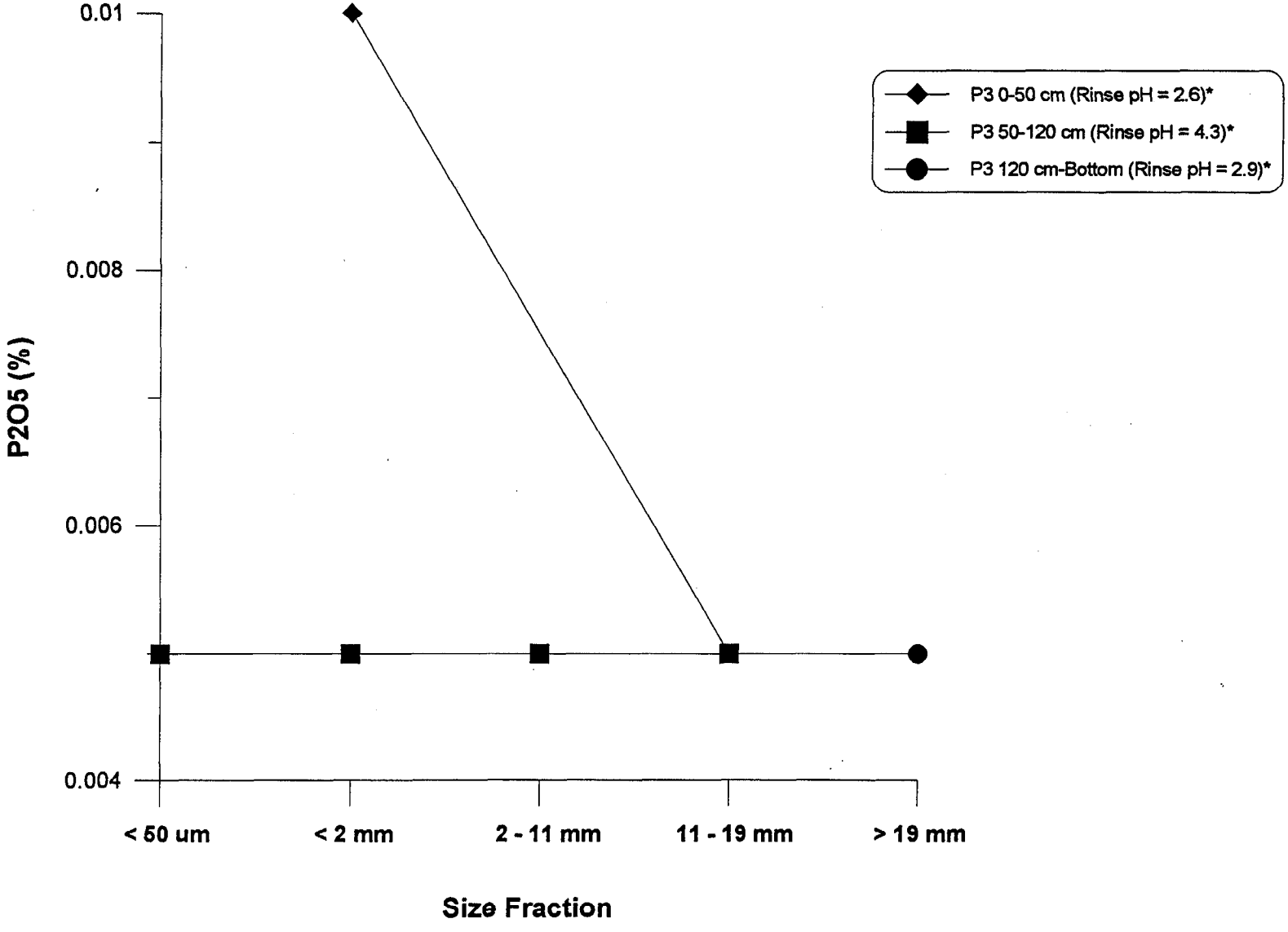
MDA Waste Rock Project

Na2O vs Size Fraction



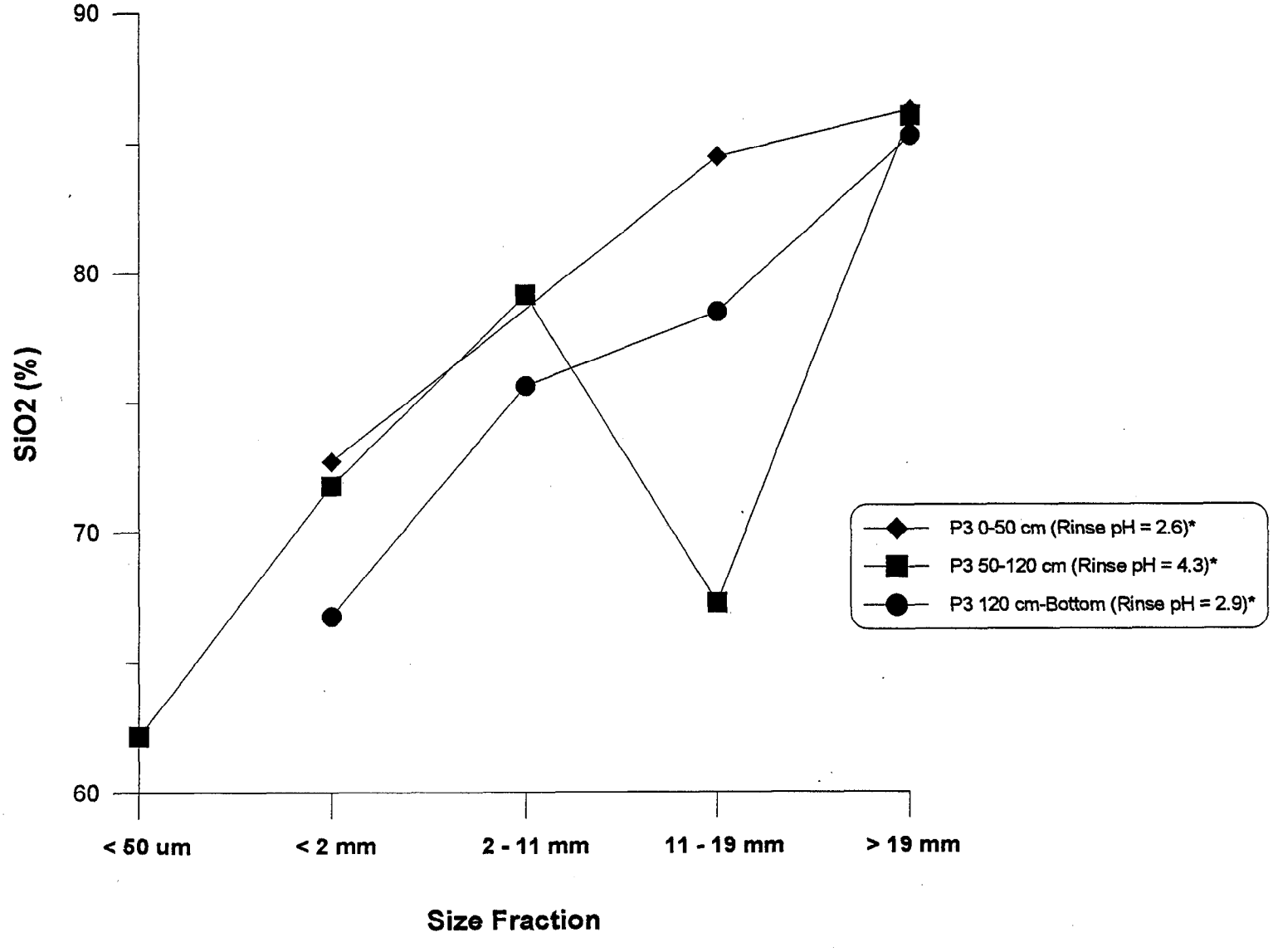
MDA Waste Rock Project

P2O5 vs Size Fraction



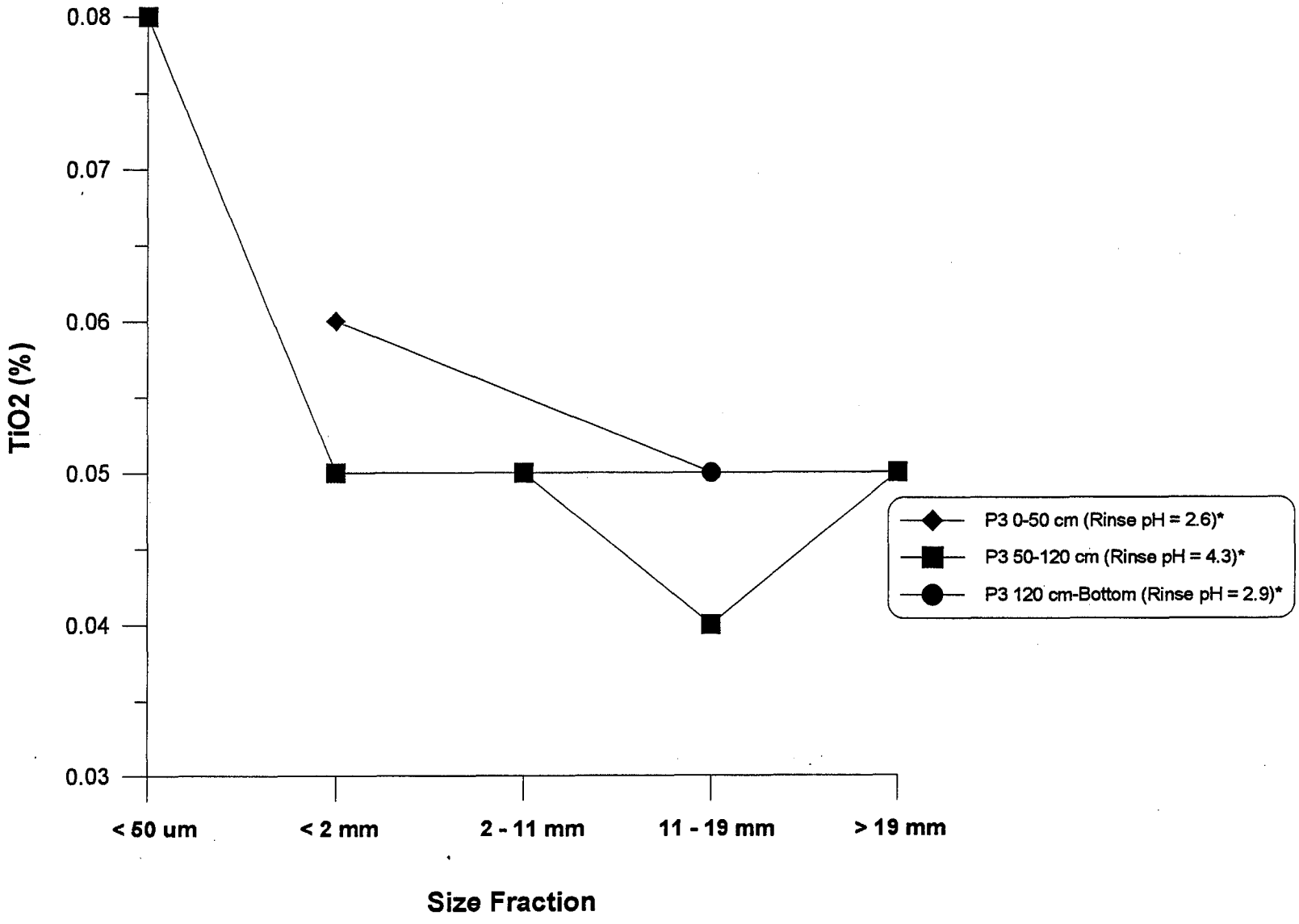
MDA Waste Rock Project

SiO2 vs Size Fraction



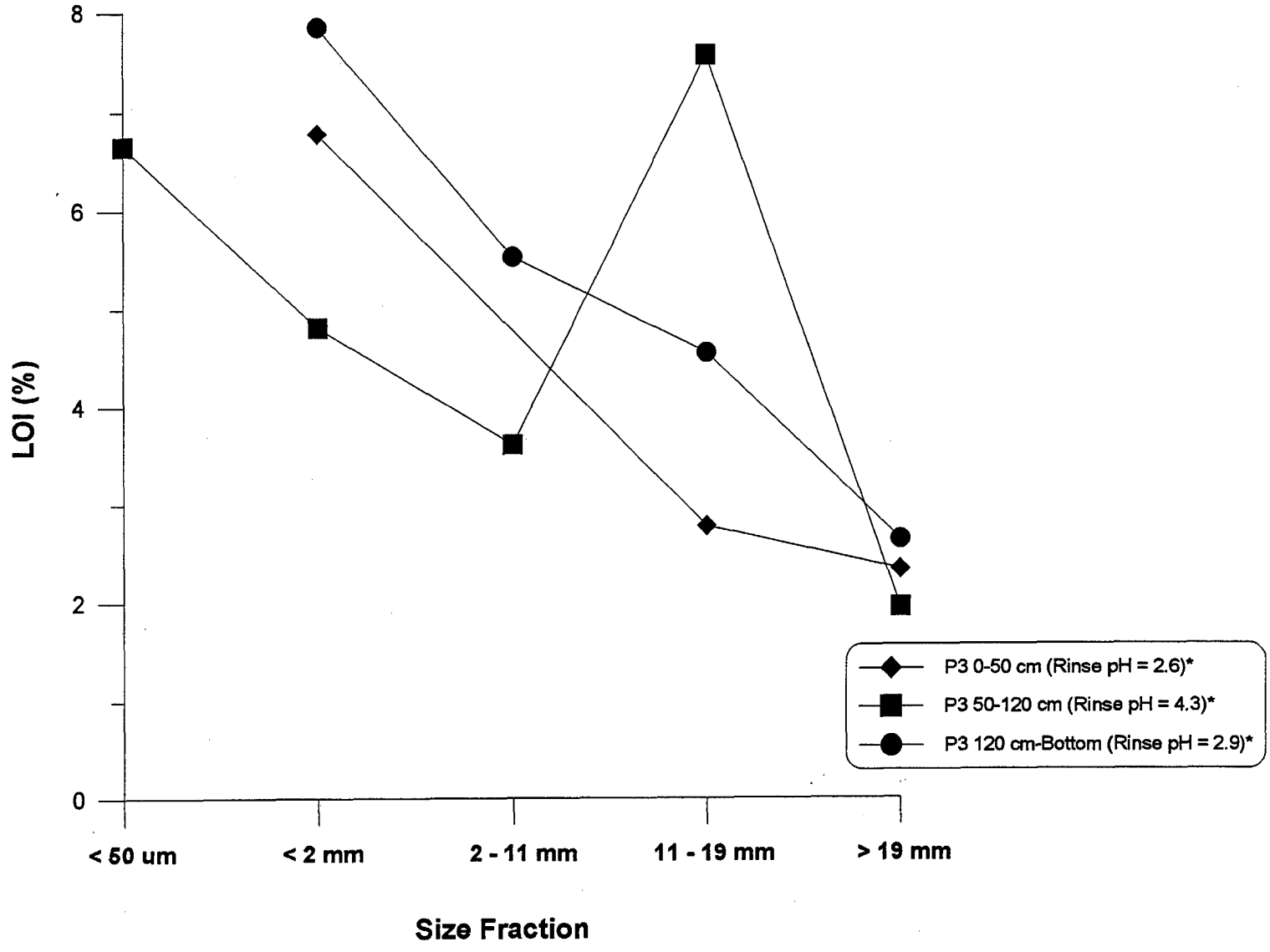
MDA Waste Rock Project

TiO2 vs Size Fraction



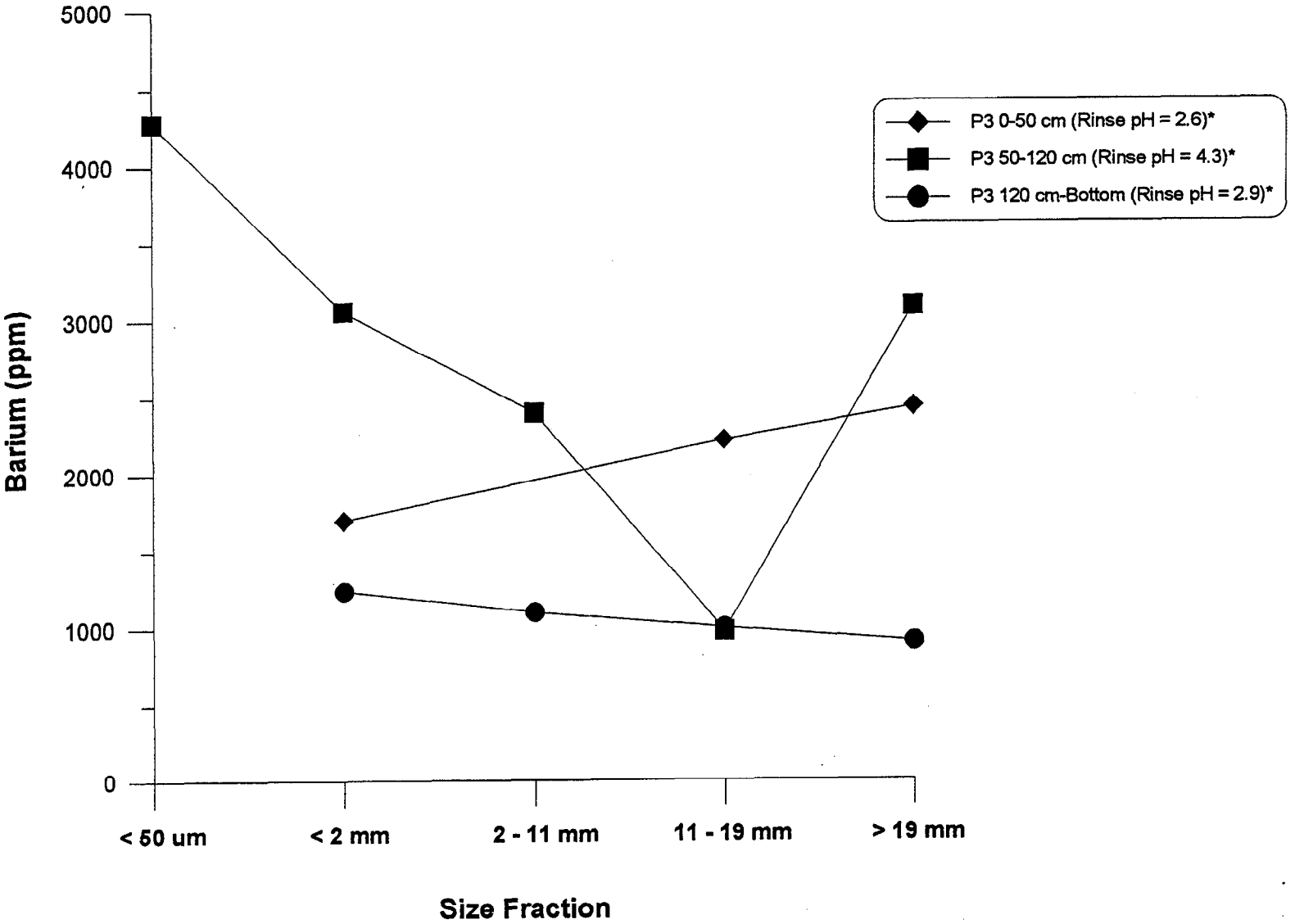
MDA Waste Rock Project

LOI vs Size Fraction



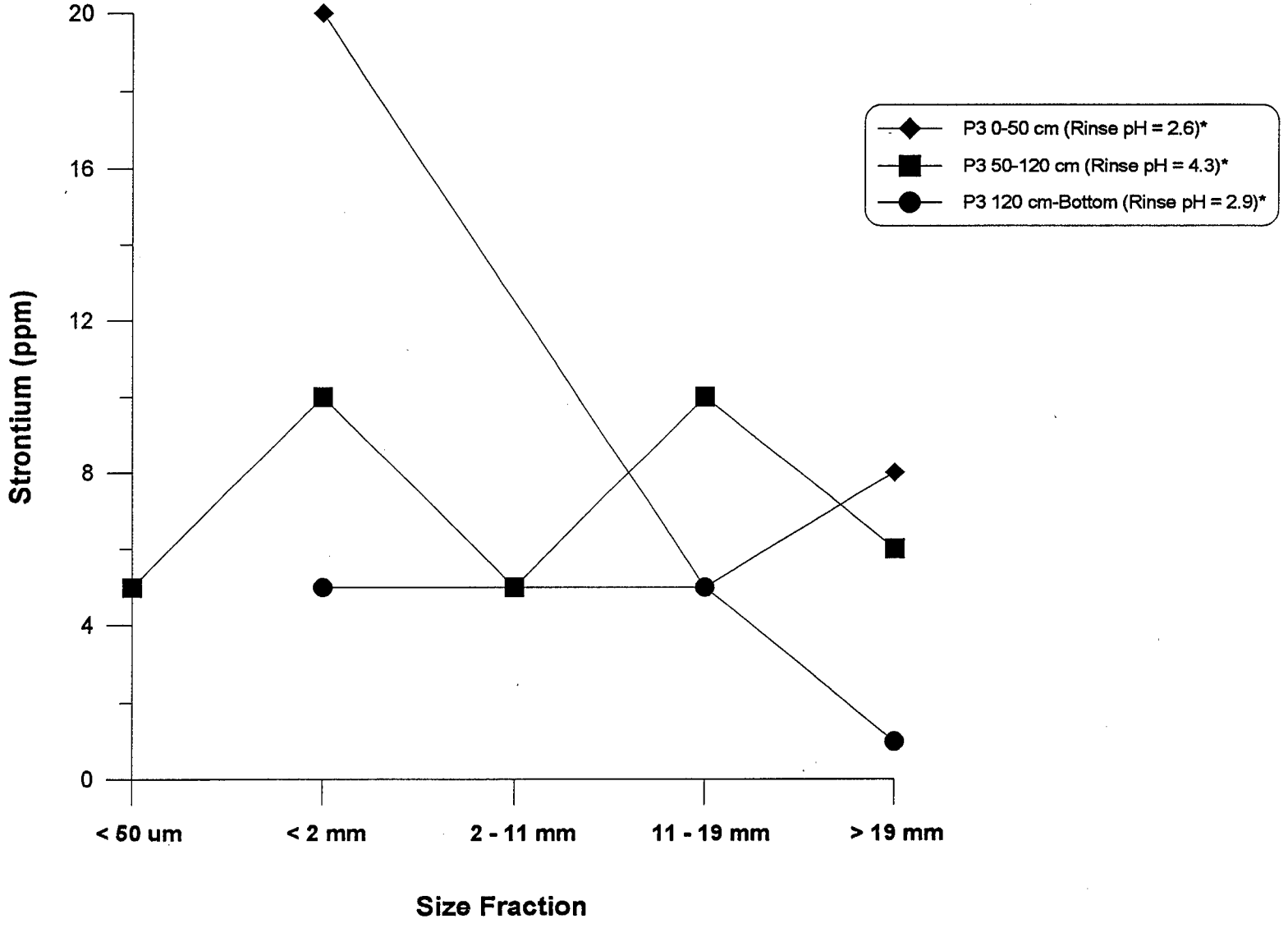
MDA Waste Rock Project

Barium vs Size Fraction



MDA Waste Rock Project

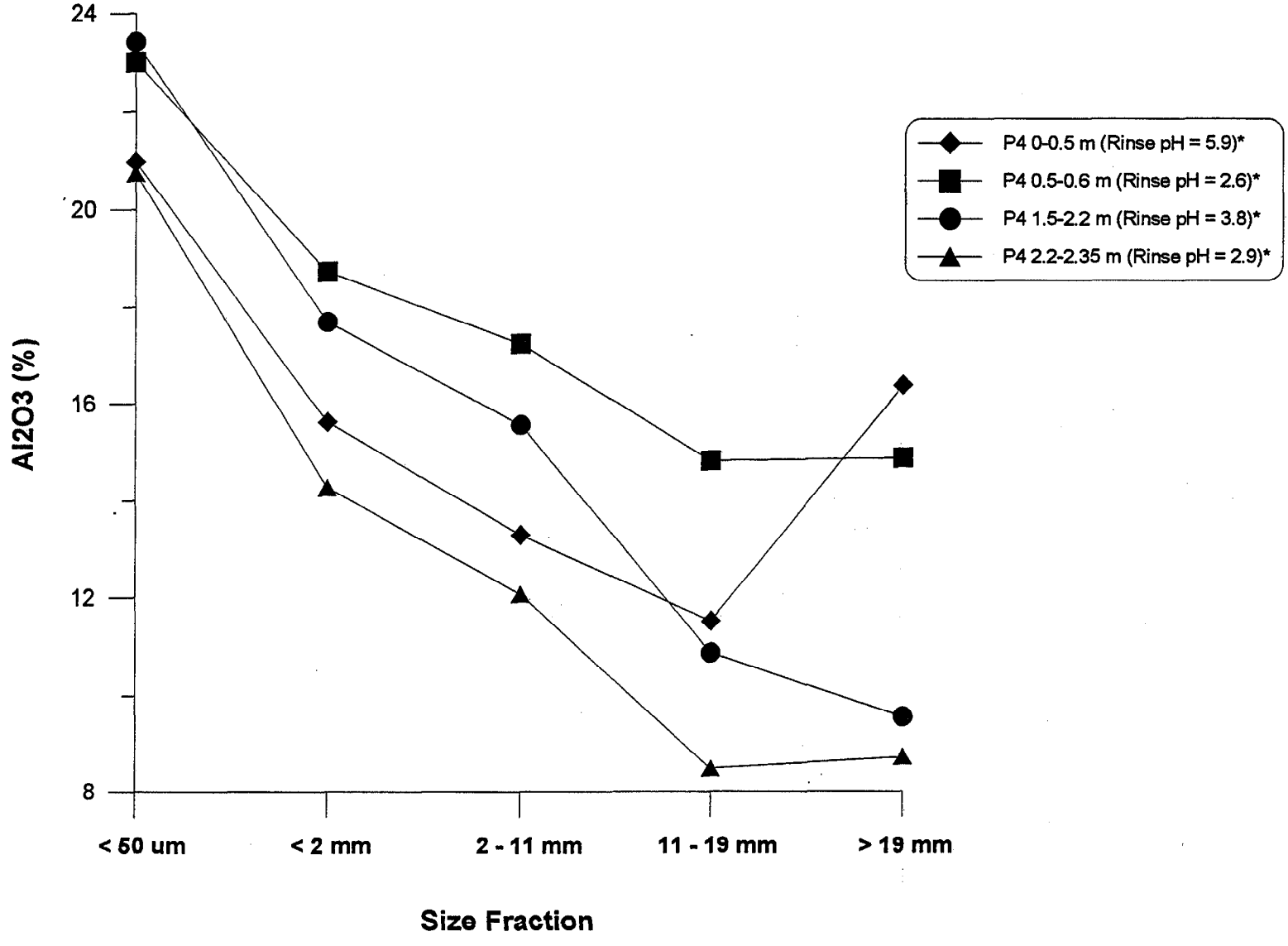
Strontium vs Size Fraction

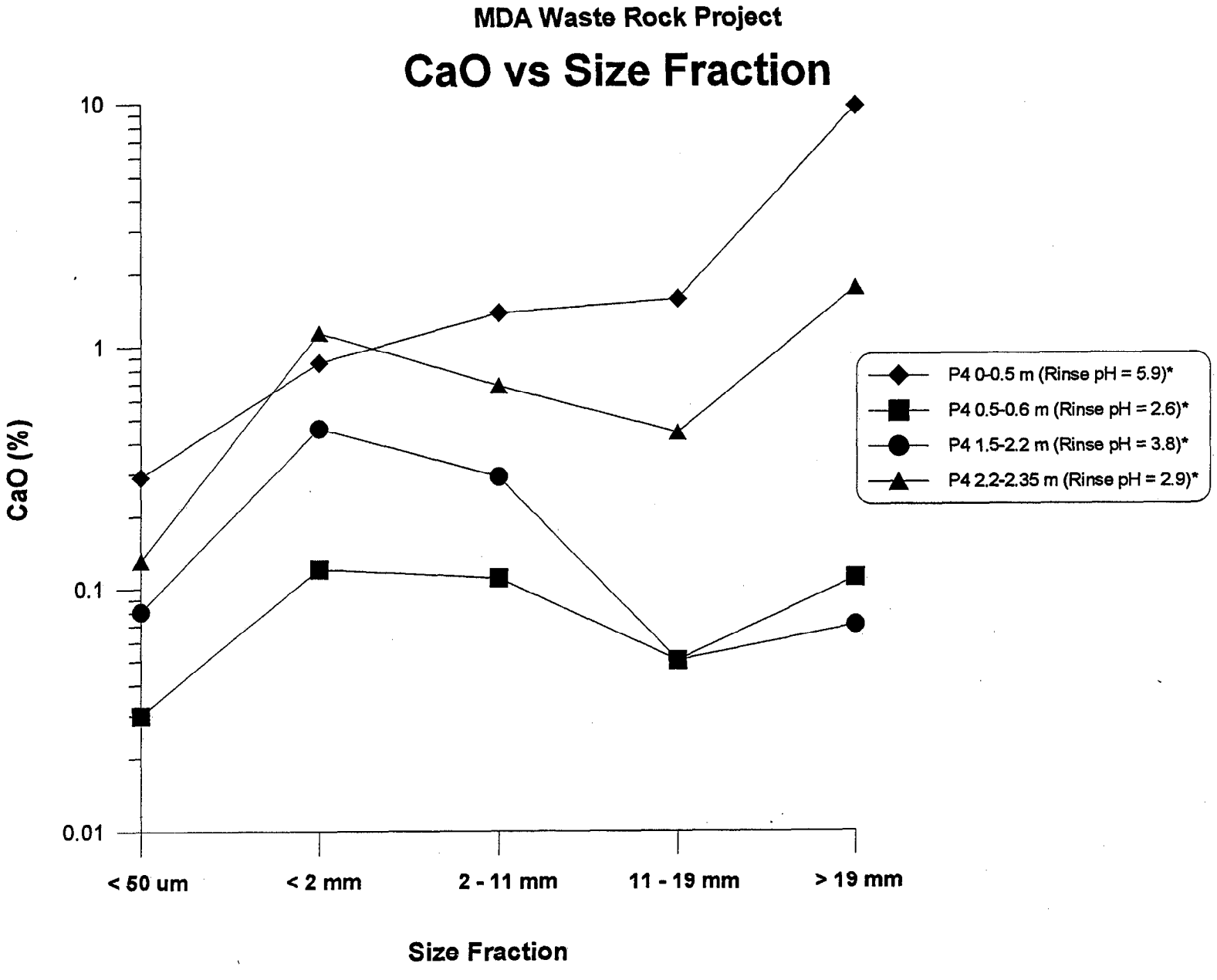


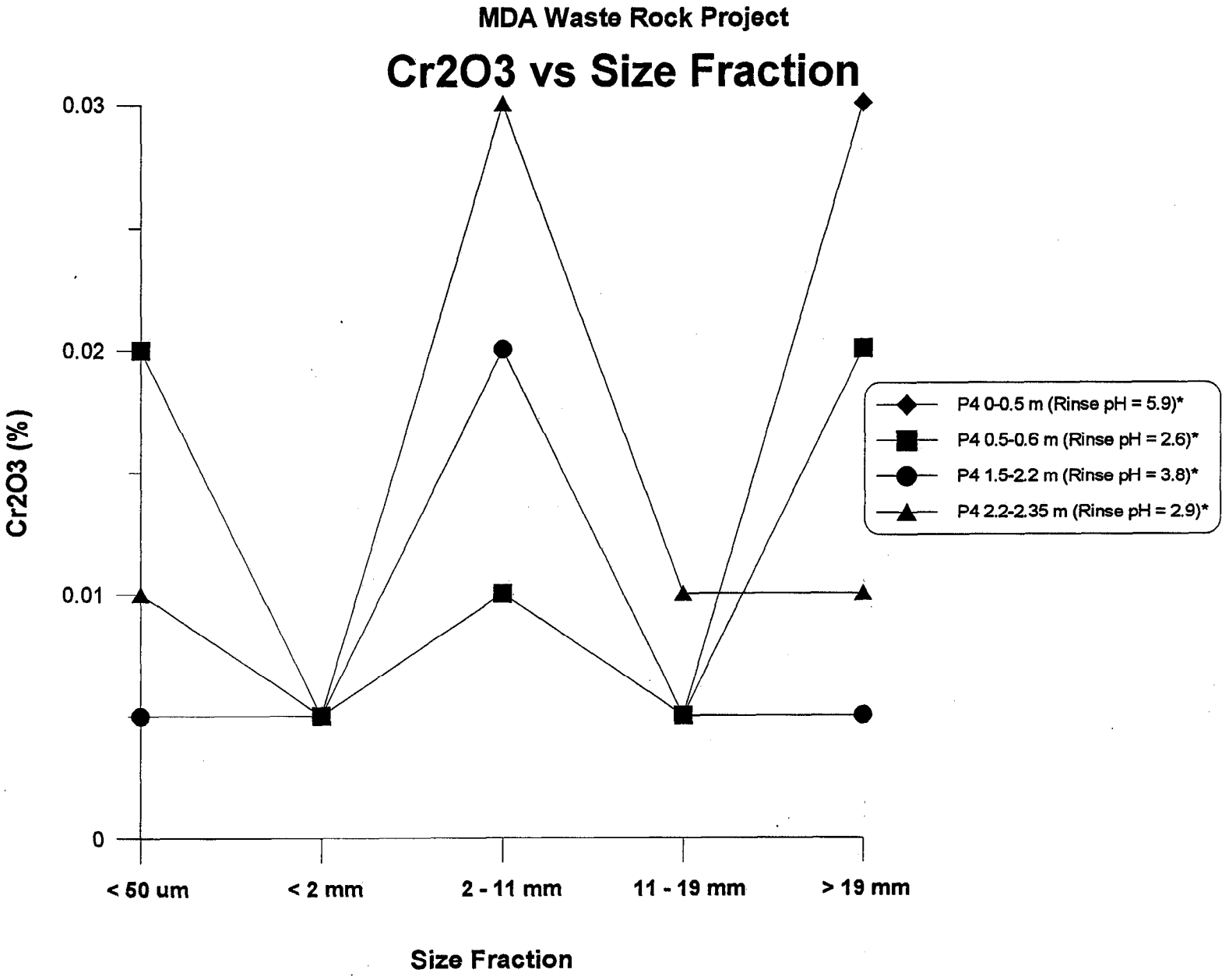
E4.3 Profile #4

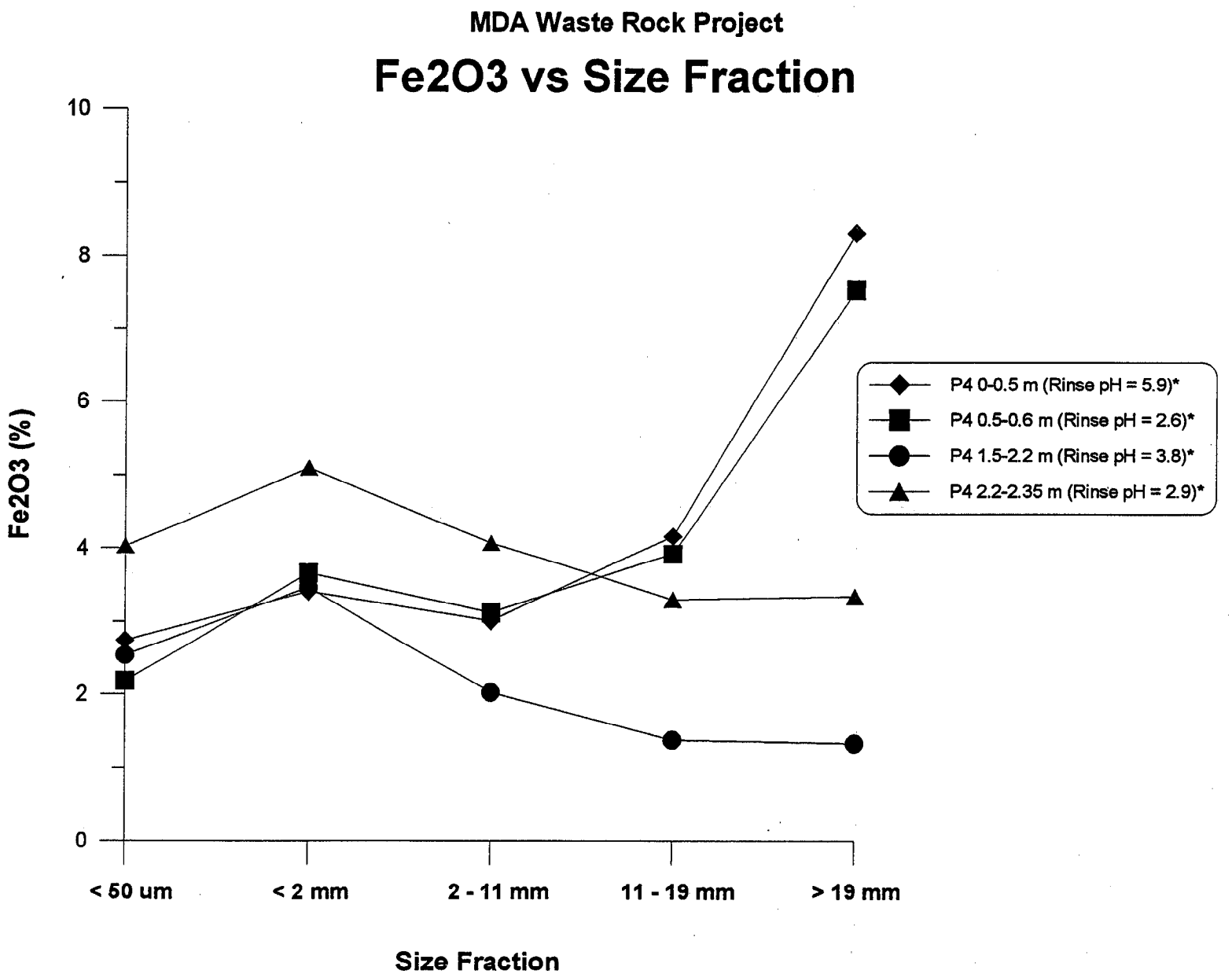
MDA Waste Rock Project

Al2O3 vs Size Fraction



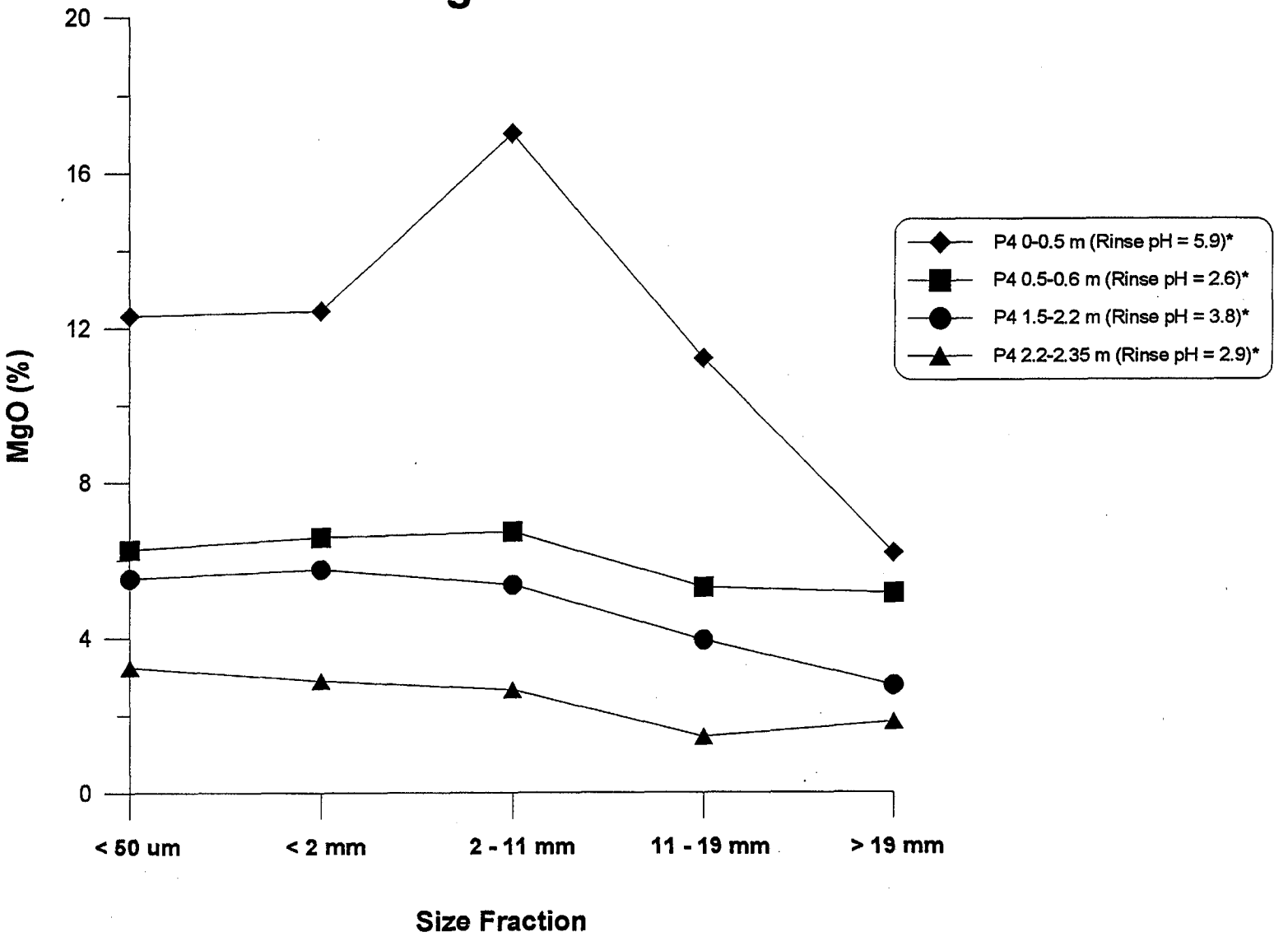

MDA Waste Rock Project
CaO vs Size Fraction
10
1
0.1
0.01
CaO (%)
< 50 um
< 2 mm
2 - 11 mm
11 - 19 mm
> 19 mm
Size Fraction
P4 0-0.5 m (Rinse pH = 5.9)*
P4 0.5-0.6 m (Rinse pH = 2.6)*
P4 1.5-2.2 m (Rinse pH = 3.8)*
P4 2.2-2.35 m (Rinse pH = 2.9)*


MDA Waste Rock Project
Cr2O3 vs Size Fraction
0.03
0.02
0.01
0
Cr2O3 (%)
< 50 um
< 2 mm
2 - 11 mm
11 - 19 mm
> 19 mm
Size Fraction
P4 0-0.5 m (Rinse pH = 5.9)*
P4 0.5-0.6 m (Rinse pH = 2.6)*
P4 1.5-2.2 m (Rinse pH = 3.8)*
P4 2.2-2.35 m (Rinse pH = 2.9)*


MDA Waste Rock Project
Fe2O3 vs Size Fraction
Fe2O3 (%)
10
8
6
4
2
0
< 50 um
< 2 mm
2 - 11 mm
11 - 19 mm
> 19 mm
Size Fraction
P4 0-0.5 m (Rinse pH = 5.9)*
P4 0.5-0.6 m (Rinse pH = 2.6)*
P4 1.5-2.2 m (Rinse pH = 3.8)*
P4 2.2-2.35 m (Rinse pH = 2.9)*

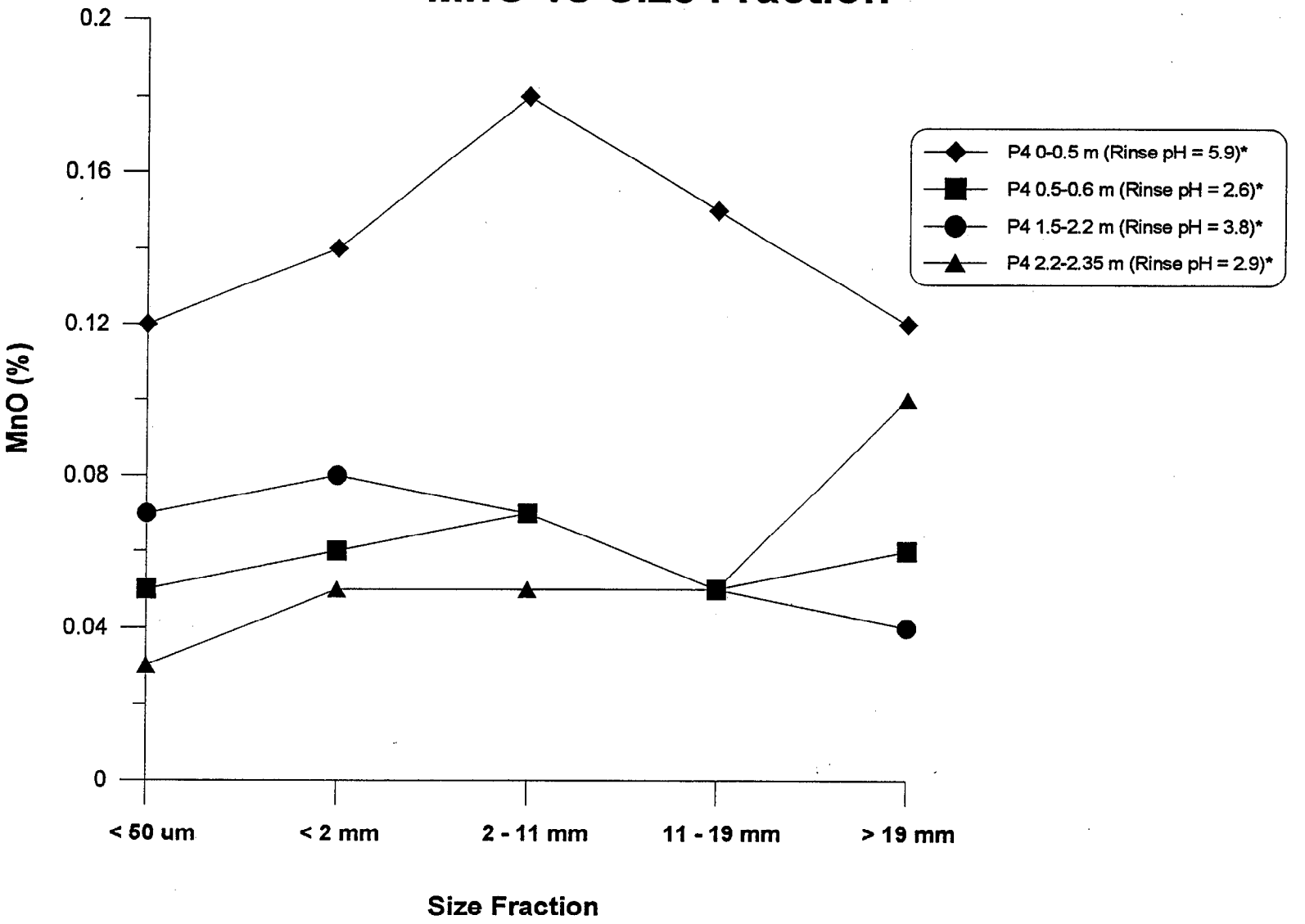
MDA Waste Rock Project

MgO vs Size Fraction



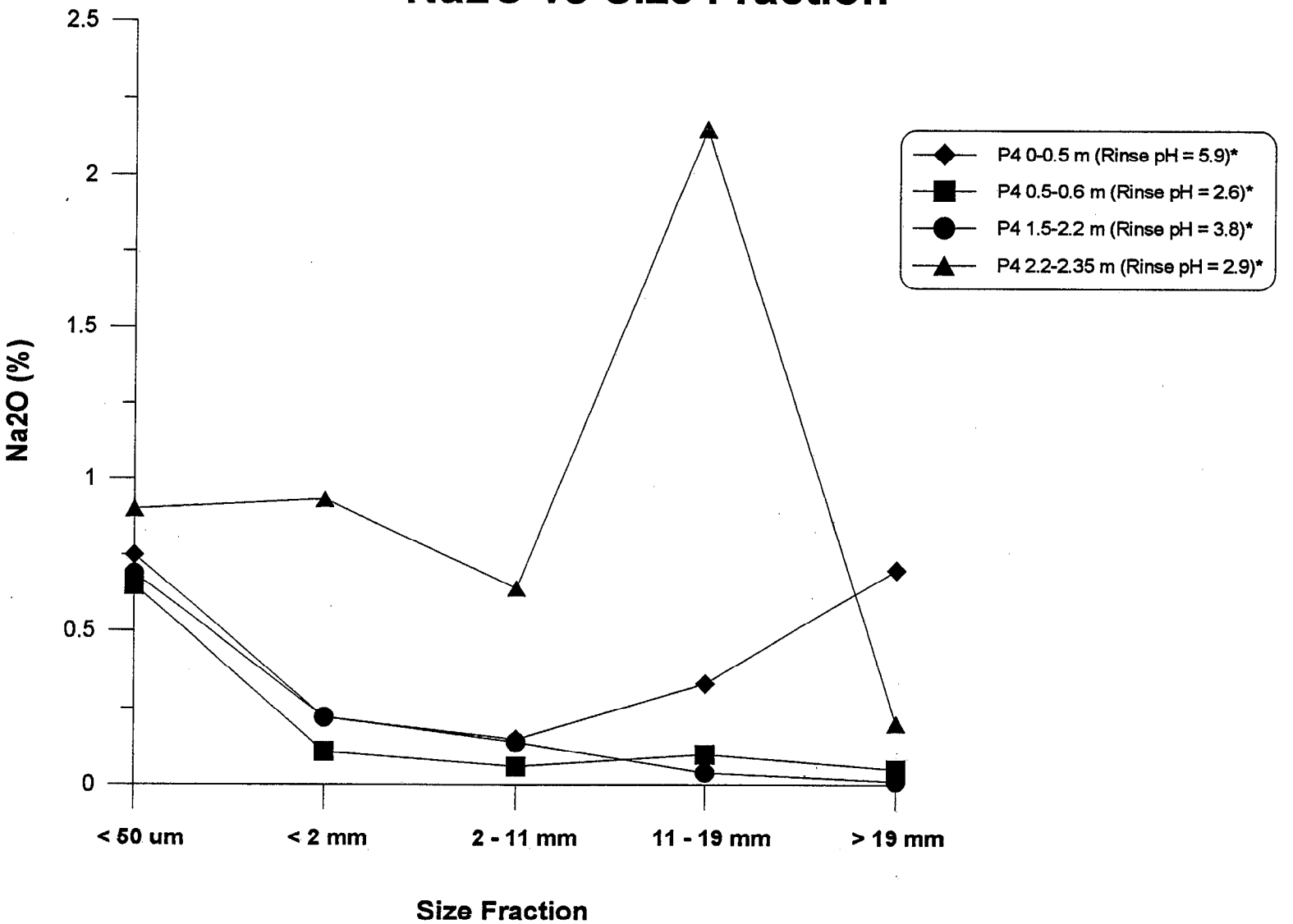
MDA Waste Rock Project

MnO vs Size Fraction



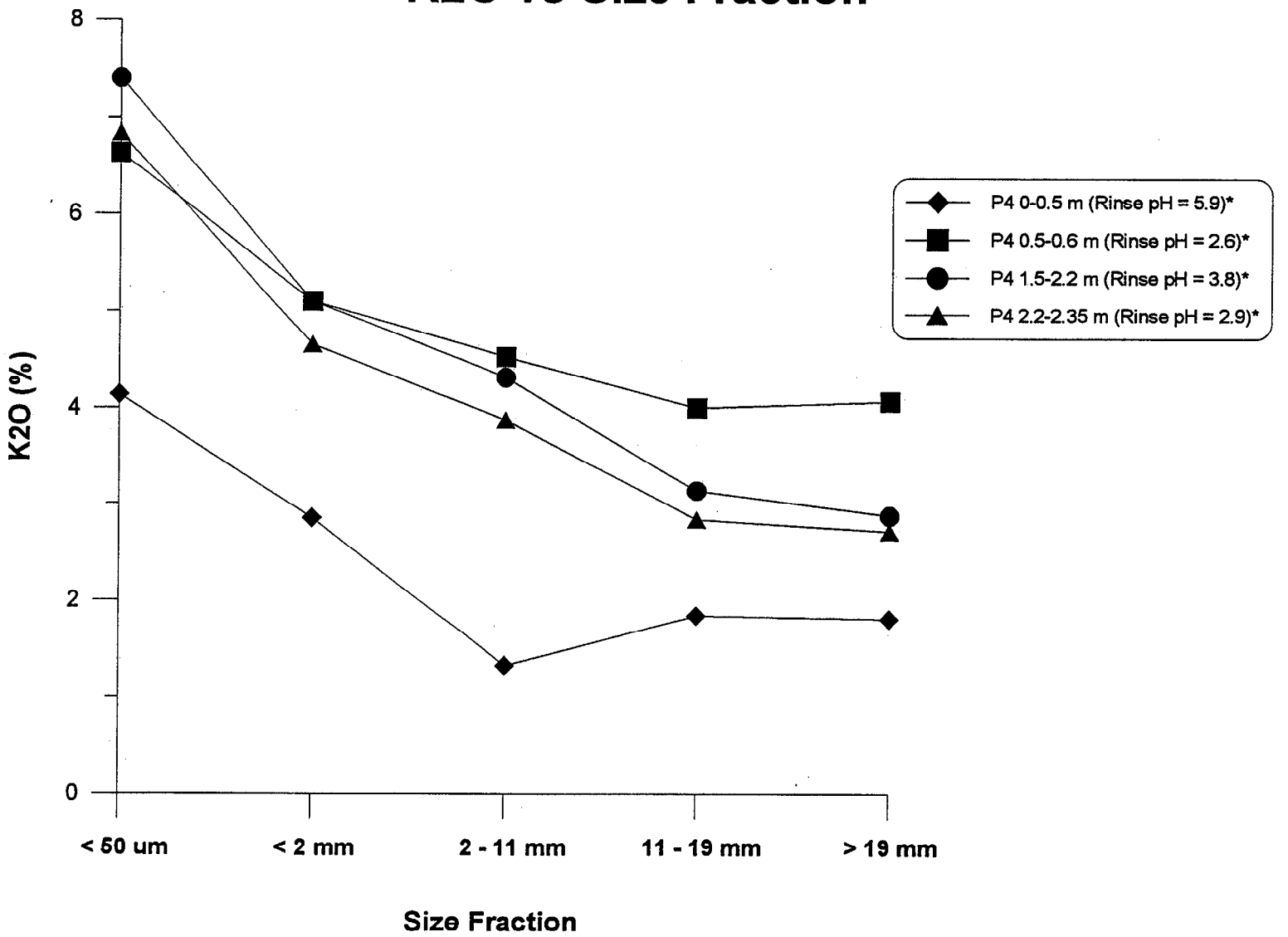
MDA Waste Rock Project

Na2O vs Size Fraction



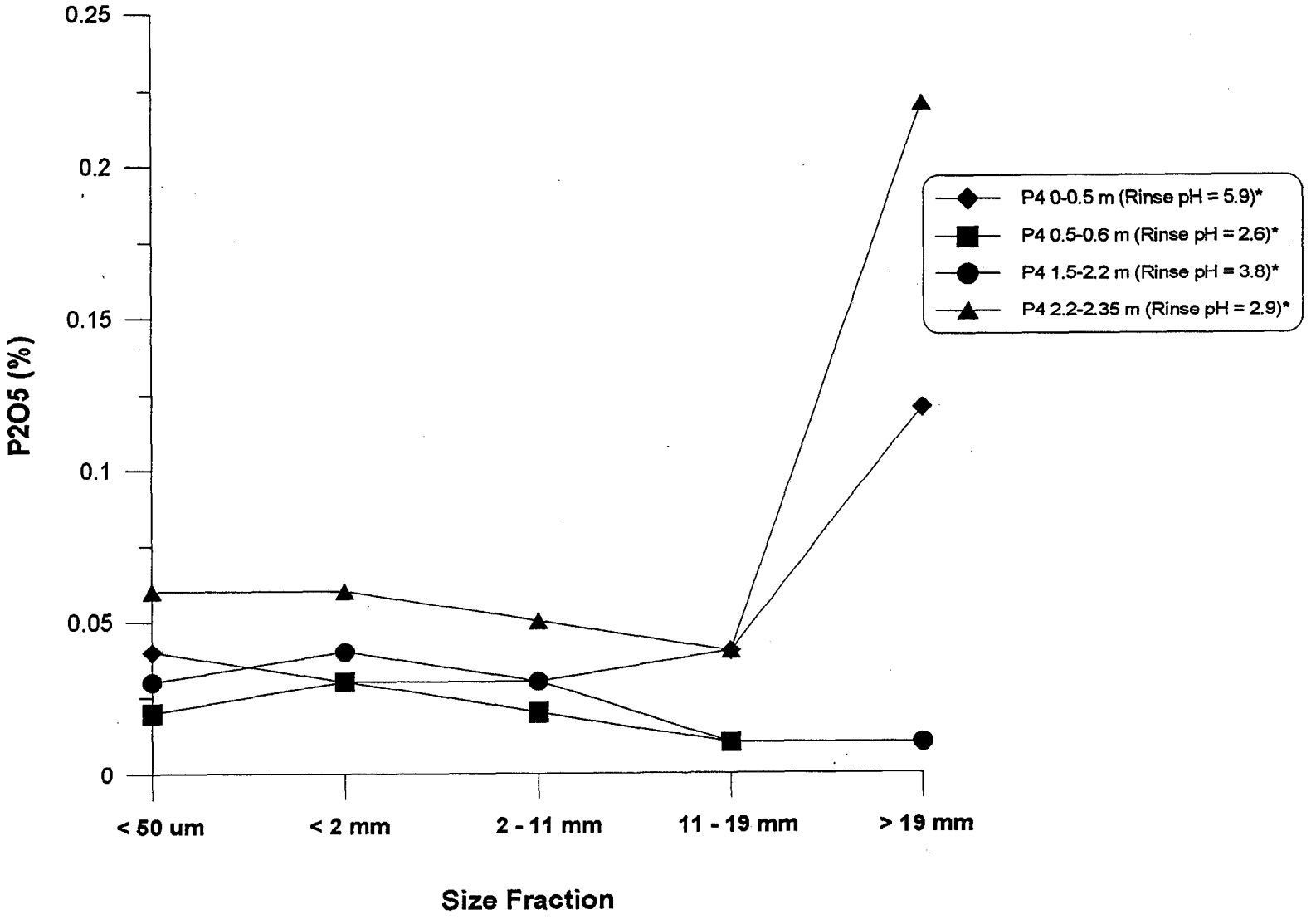
MDA Waste Rock Project

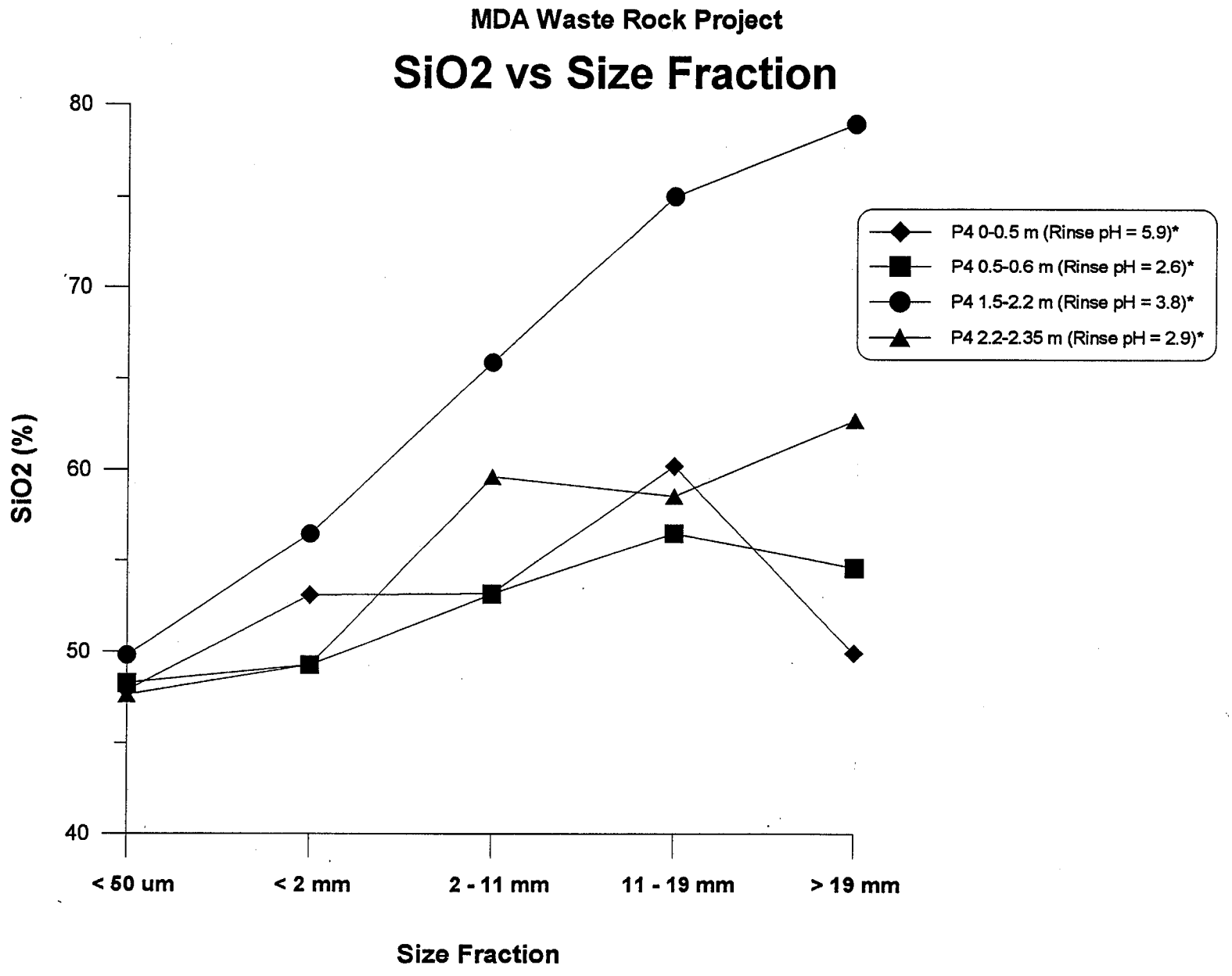
K2O vs Size Fraction



MDA Waste Rock Project

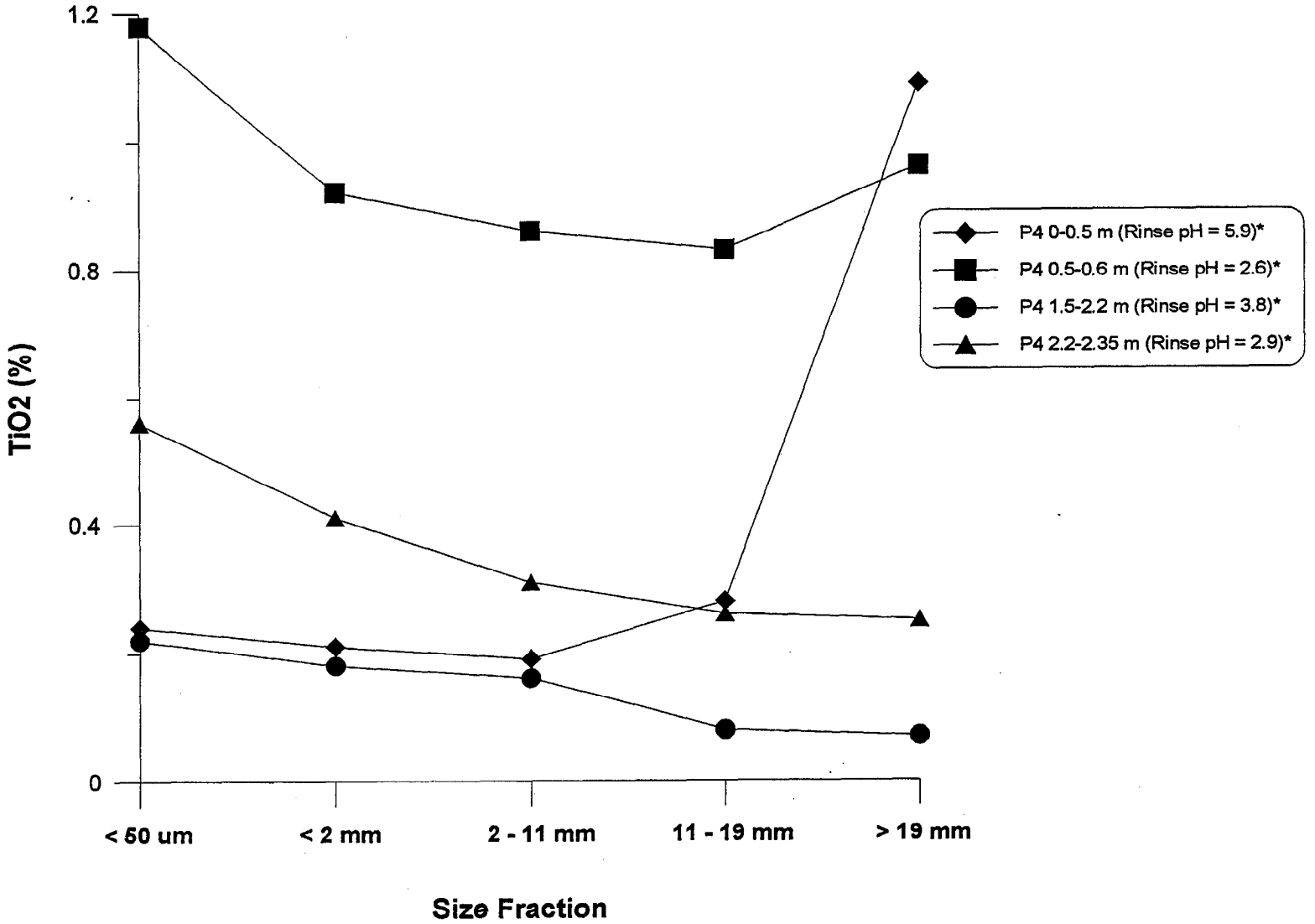
P2O5 vs Size Fraction




MDA Waste Rock Project
SiO2 vs Size Fraction
80
70
60
50
40
SiO2 (%)
< 50 um
< 2 mm
2 - 11 mm
11 - 19 mm
> 19 mm
Size Fraction
P4 0-0.5 m (Rinse pH = 5.9)*
P4 0.5-0.6 m (Rinse pH = 2.6)*
P4 1.5-2.2 m (Rinse pH = 3.8)*
P4 2.2-2.35 m (Rinse pH = 2.9)*

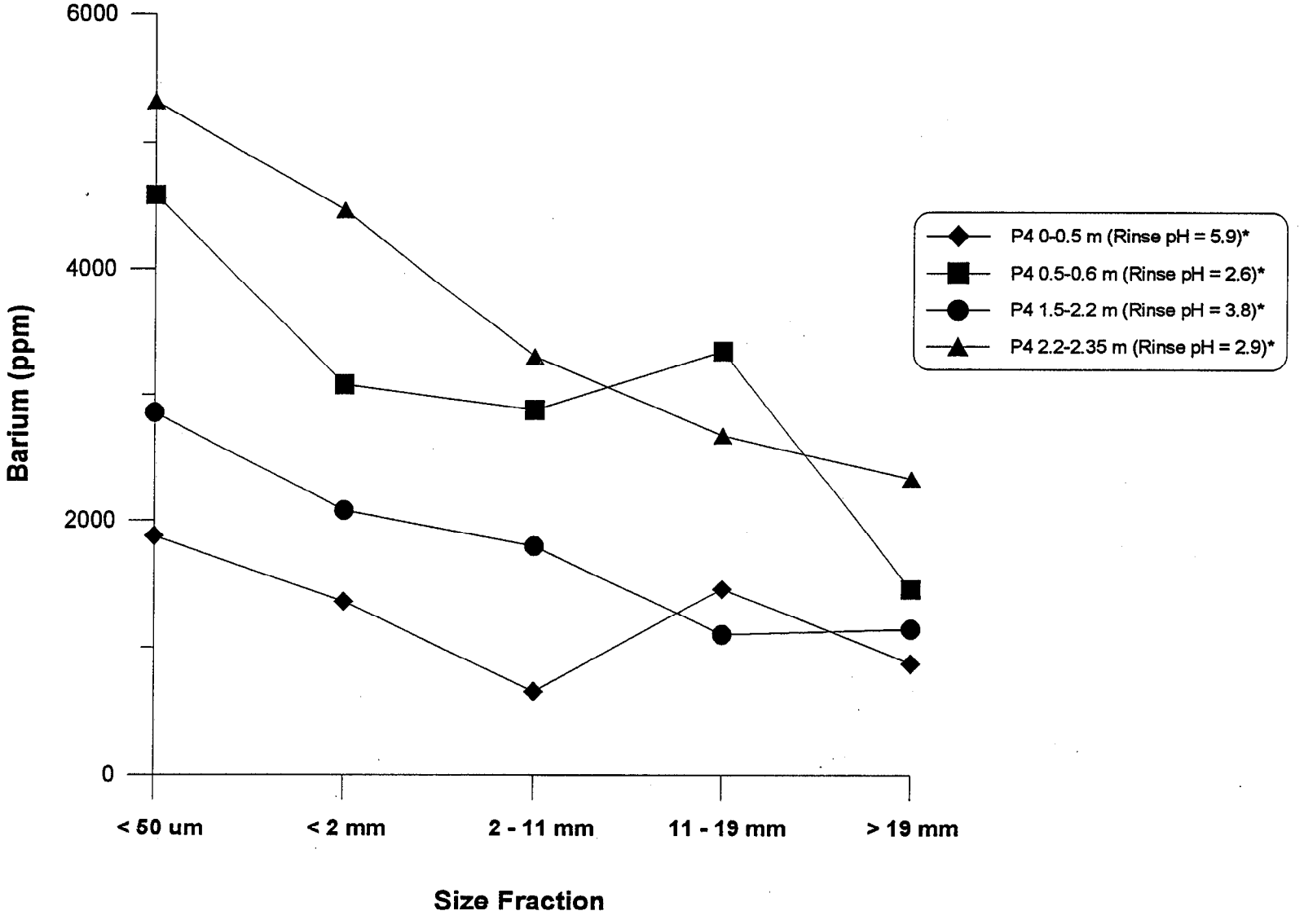
MDA Waste Rock Project

TiO2 vs Size Fraction



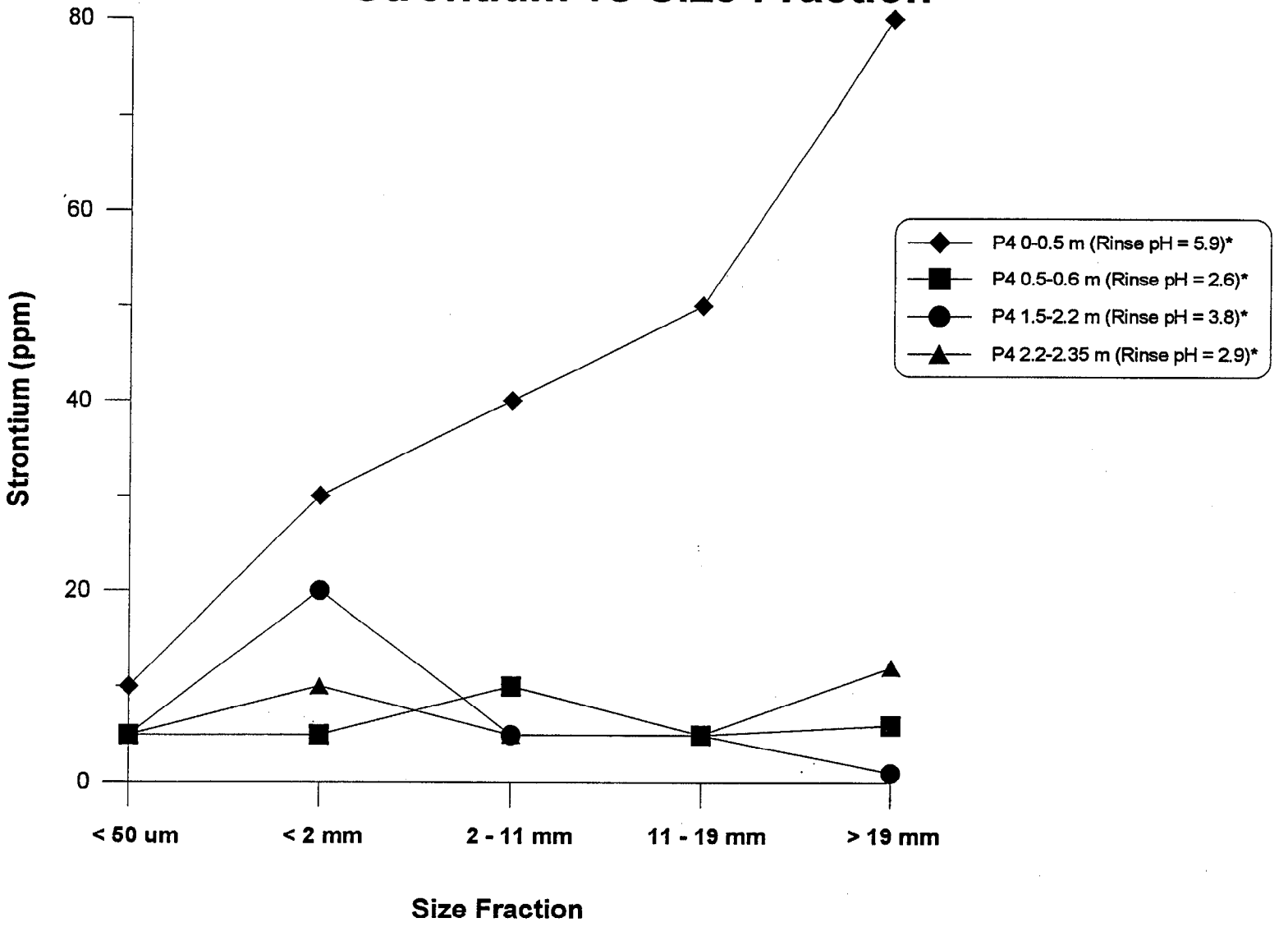
MDA Waste Rock Project

Barium vs Size Fraction



MDA Waste Rock Project

Strontium vs Size Fraction

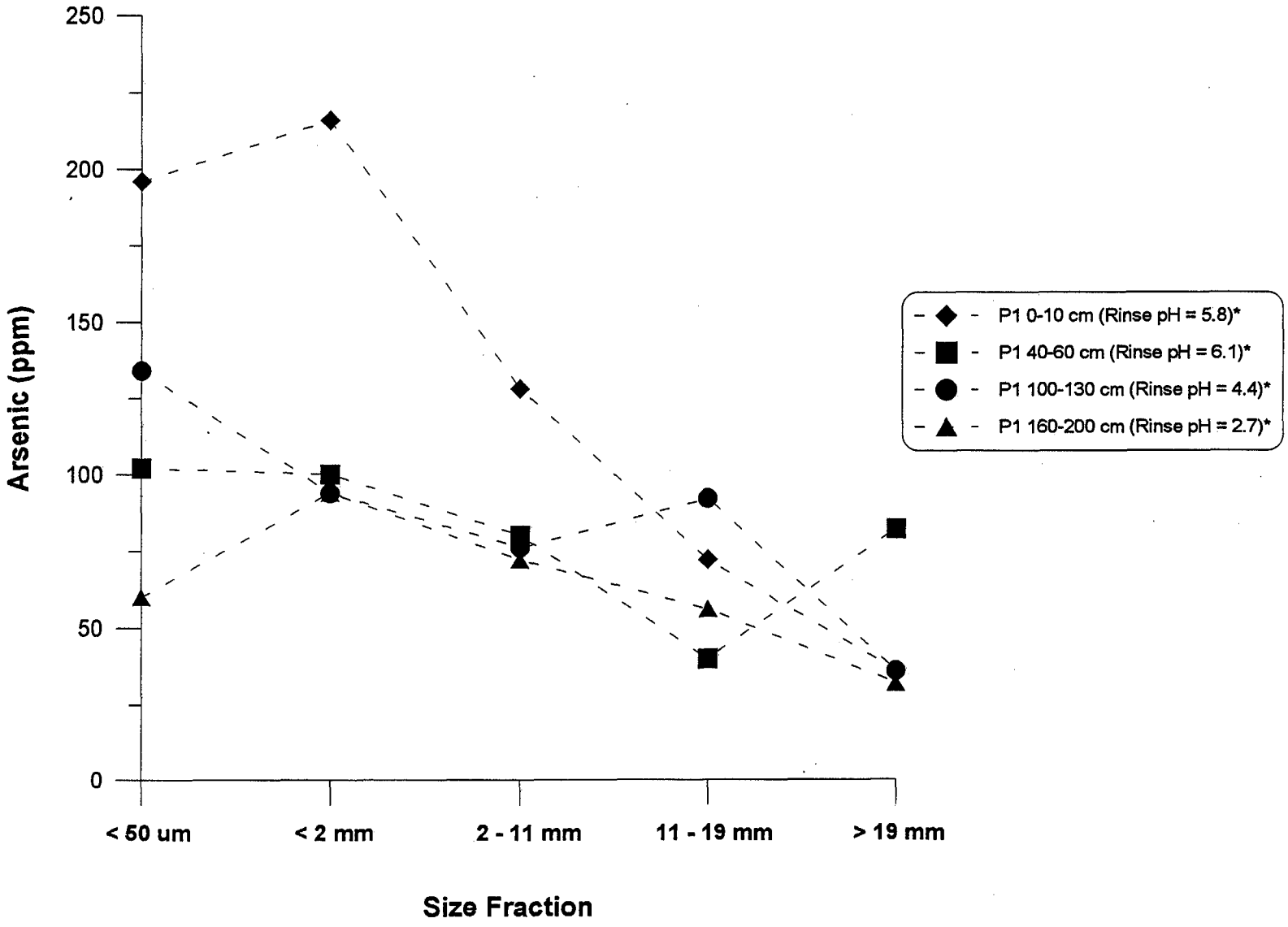


E5. Total-Metal Contents vs. Size Fraction

E5.1 Profile #1

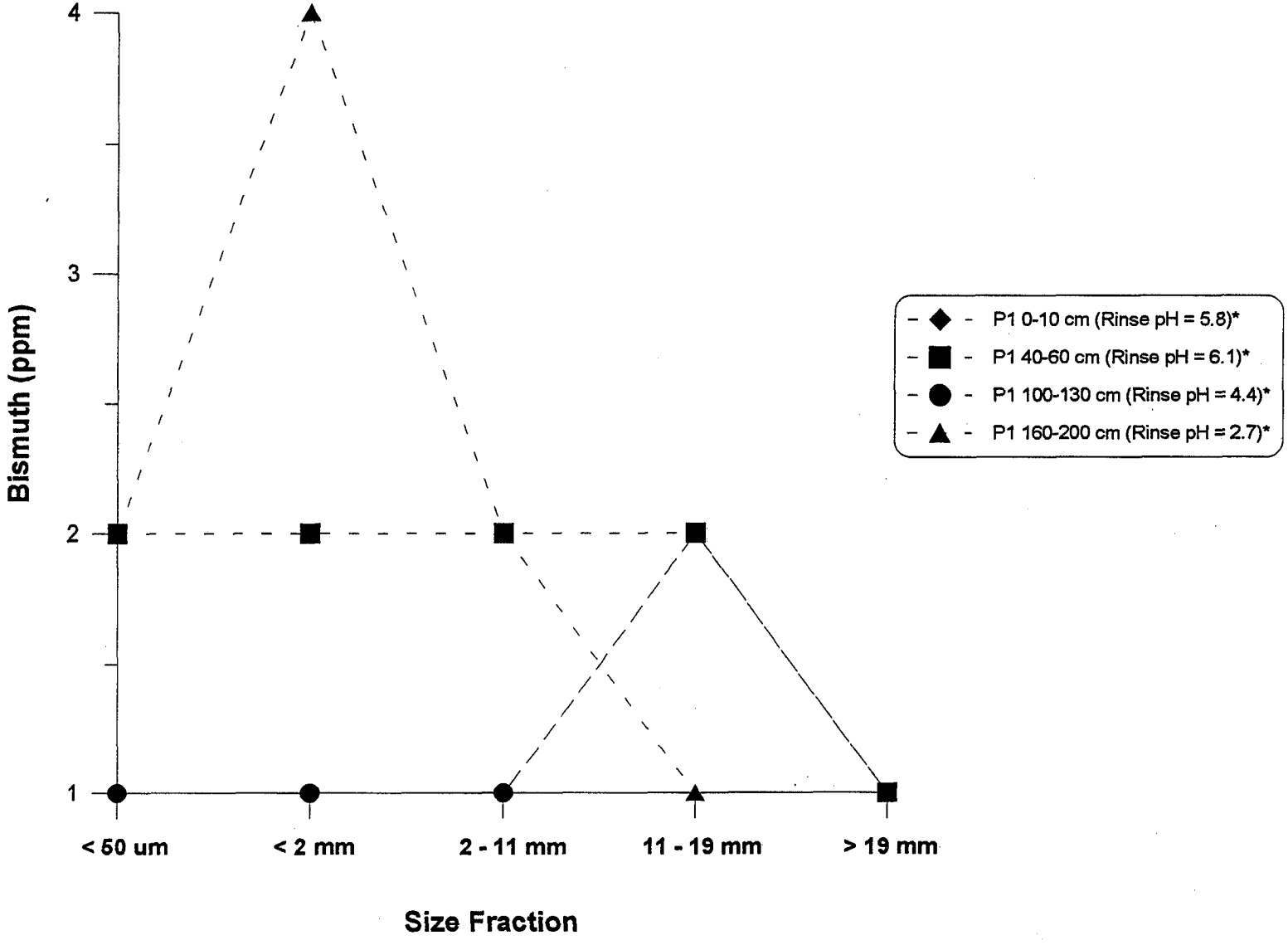
MDA Waste Rock Project

Arsenic vs Size Fraction



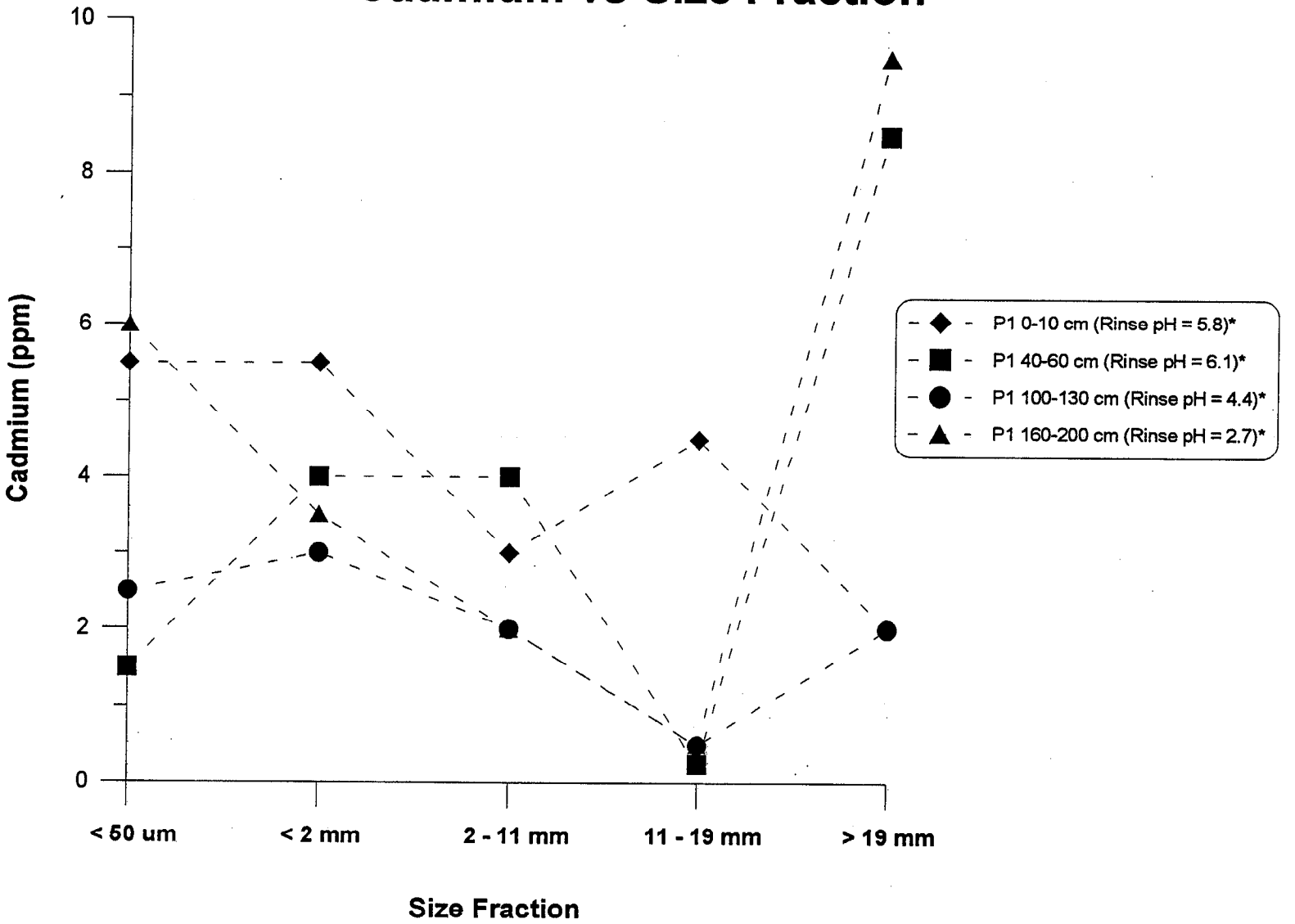
MDA Waste Rock Project

Bismuth vs Size Fraction



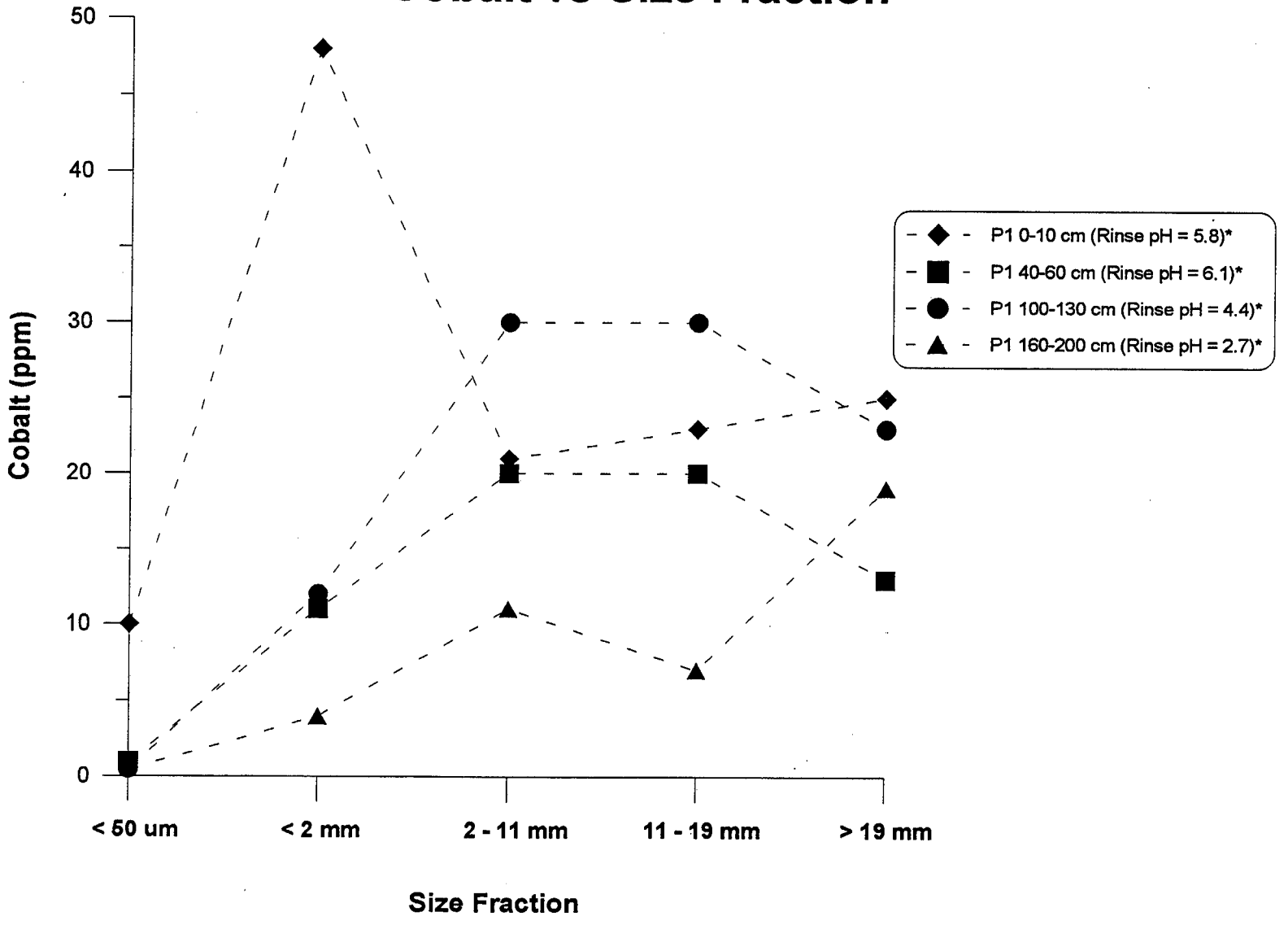
MDA Waste Rock Project

Cadmium vs Size Fraction



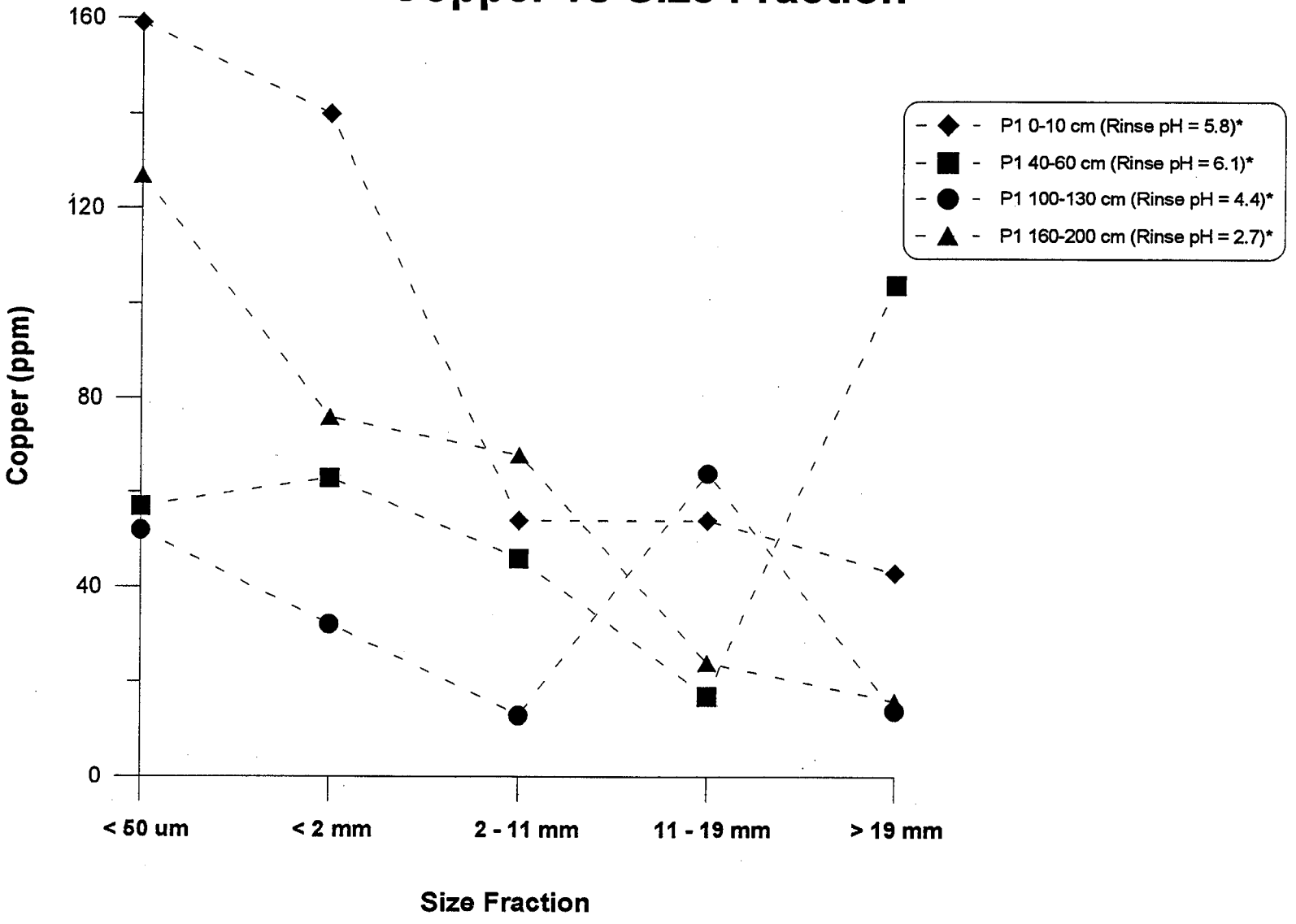
MDA Waste Rock Project

Cobalt vs Size Fraction



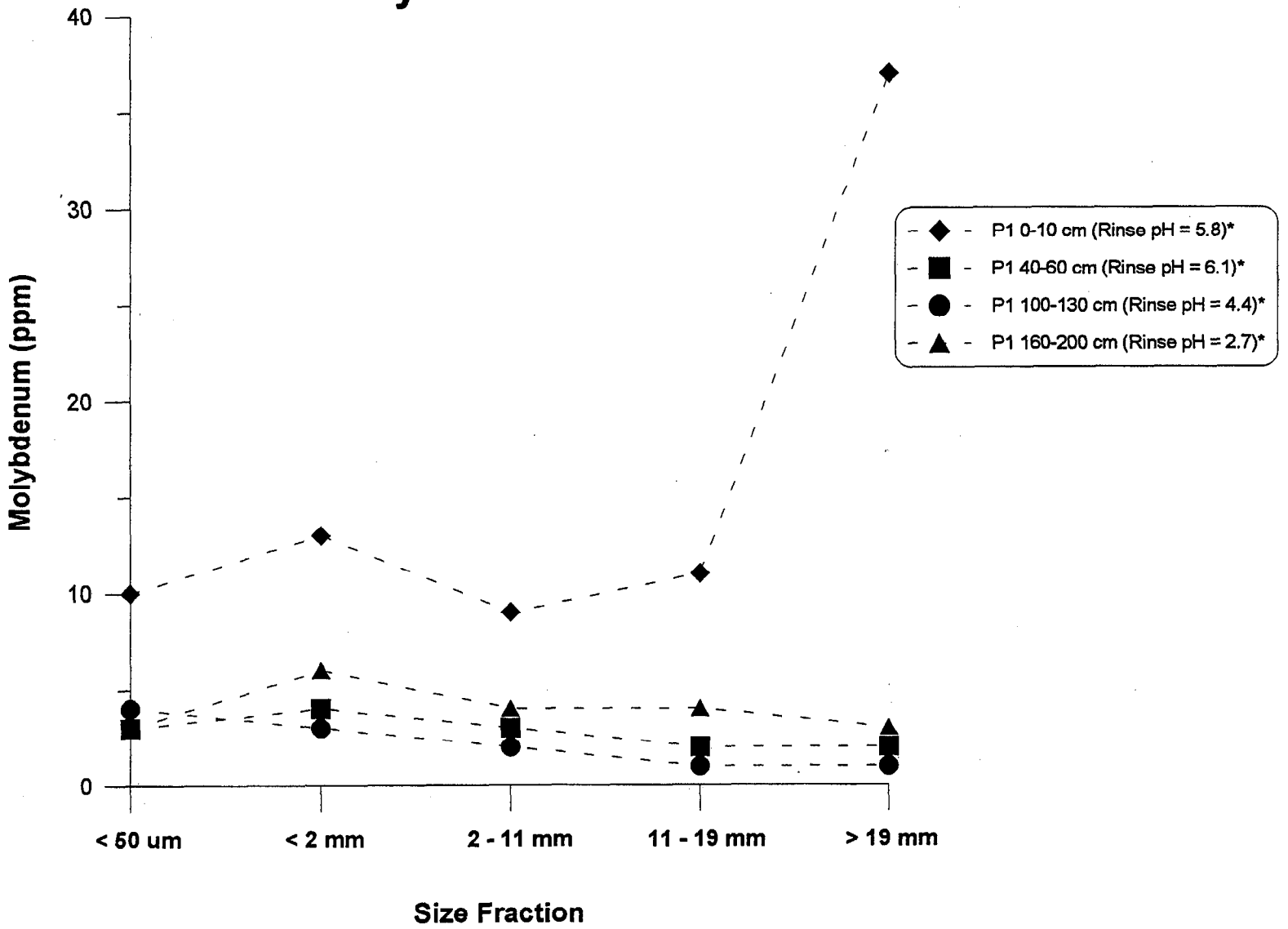
MDA Waste Rock Project

Copper vs Size Fraction



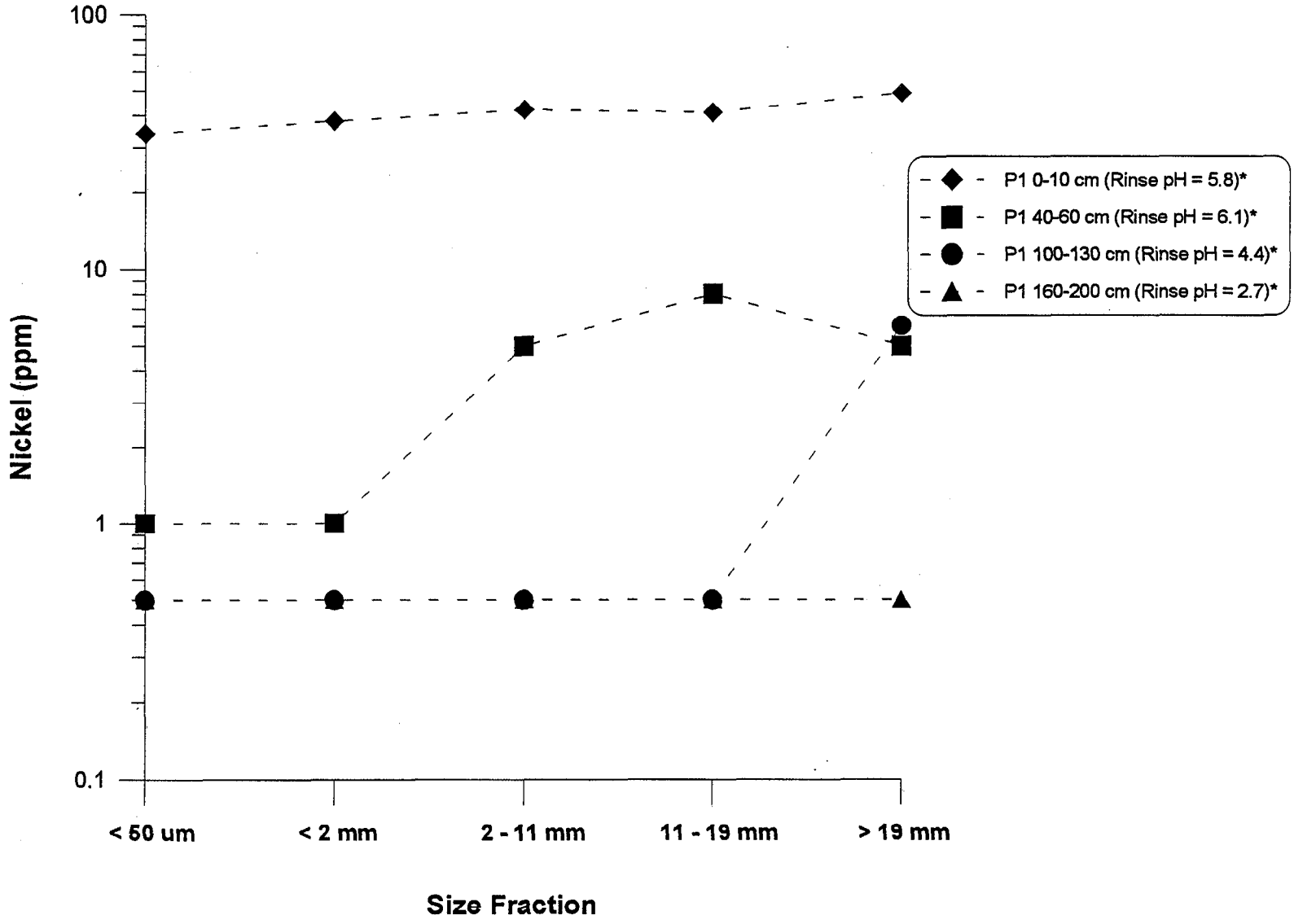
MDA Waste Rock Project

Molybdenum vs Size Fraction



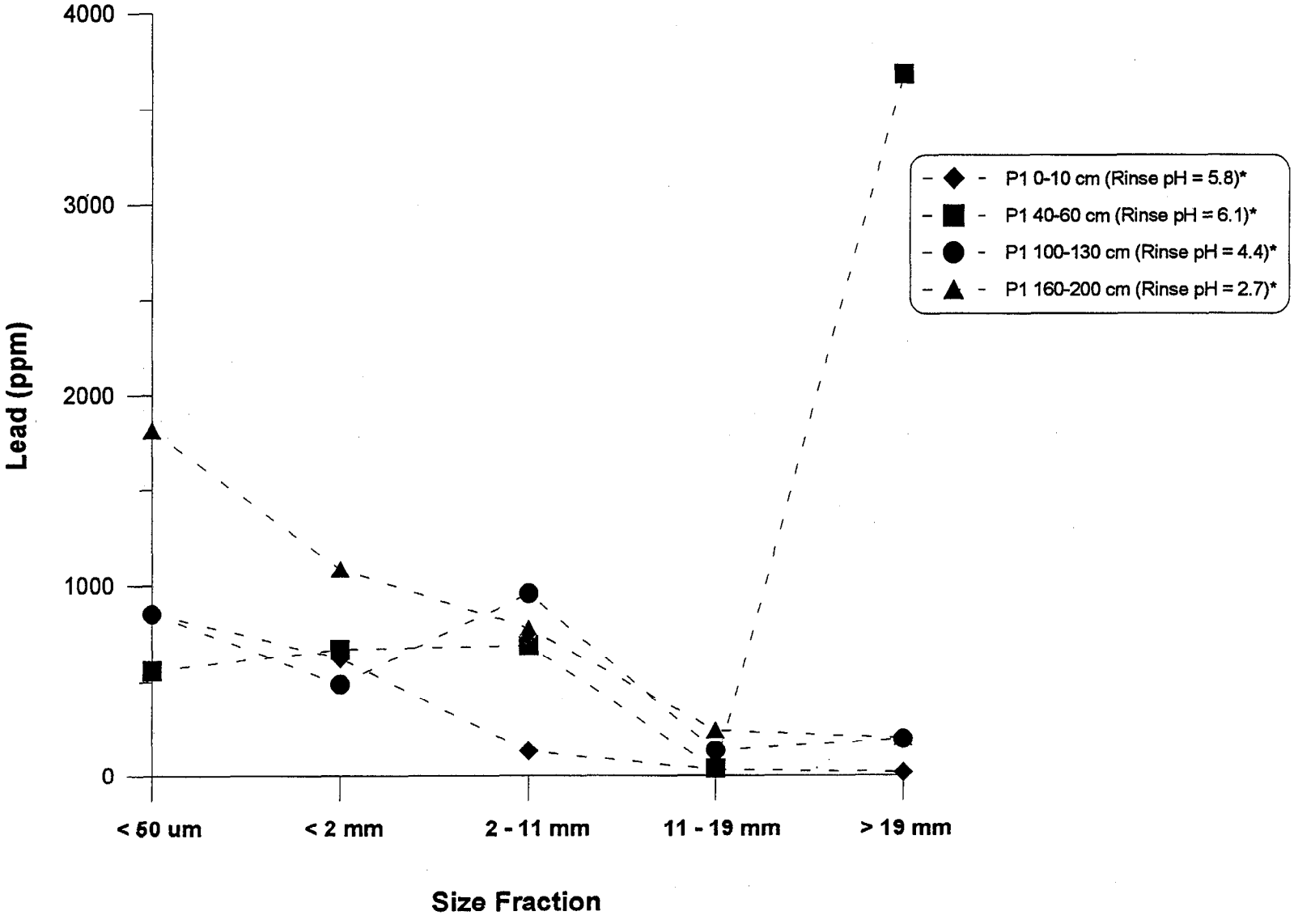
MDA Waste Rock Project

Nickel vs Size Fraction



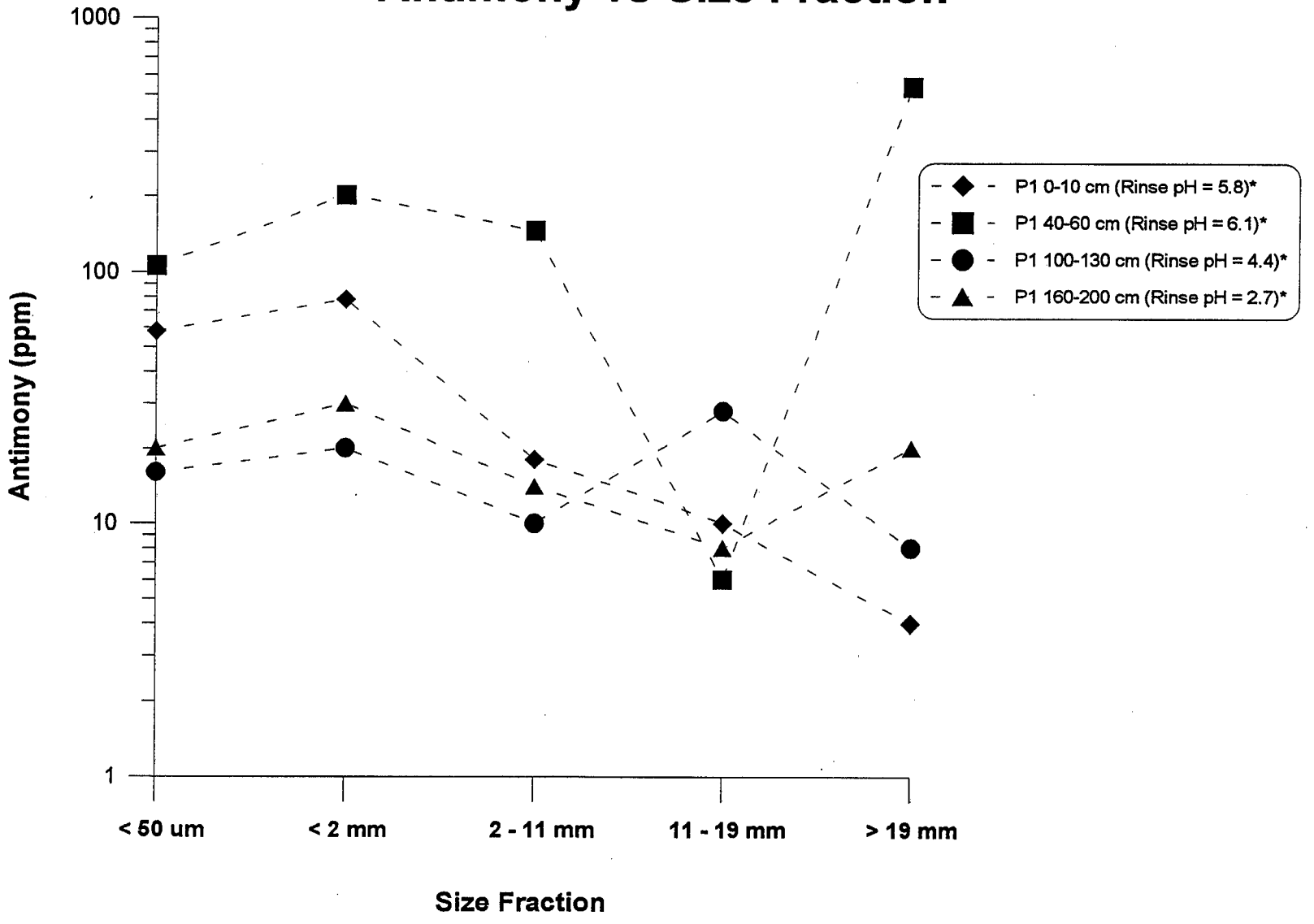
MDA Waste Rock Project

Lead vs Size Fraction



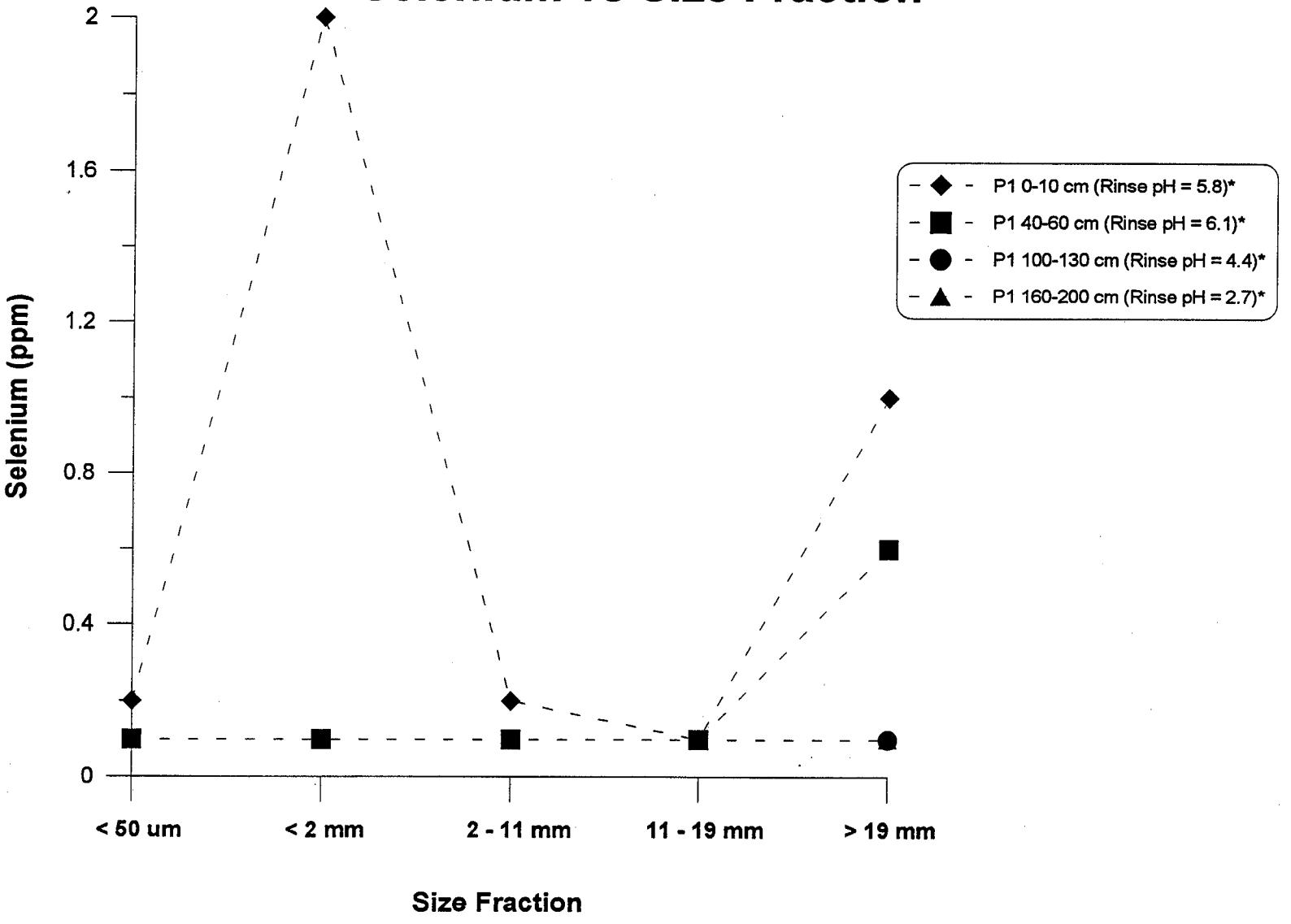
MDA Waste Rock Project

Antimony vs Size Fraction



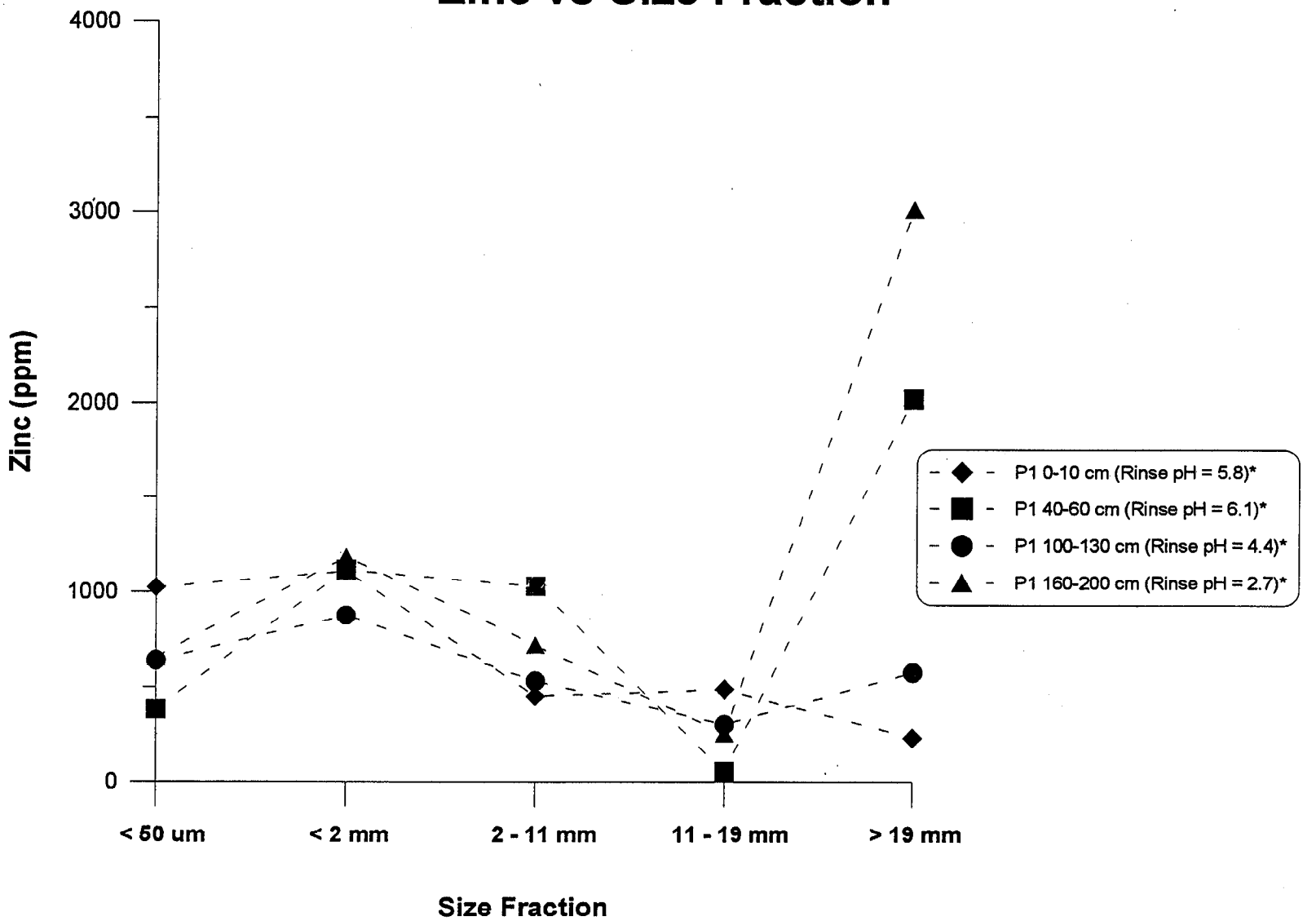
MDA Waste Rock Project

Selenium vs Size Fraction



MDA Waste Rock Project

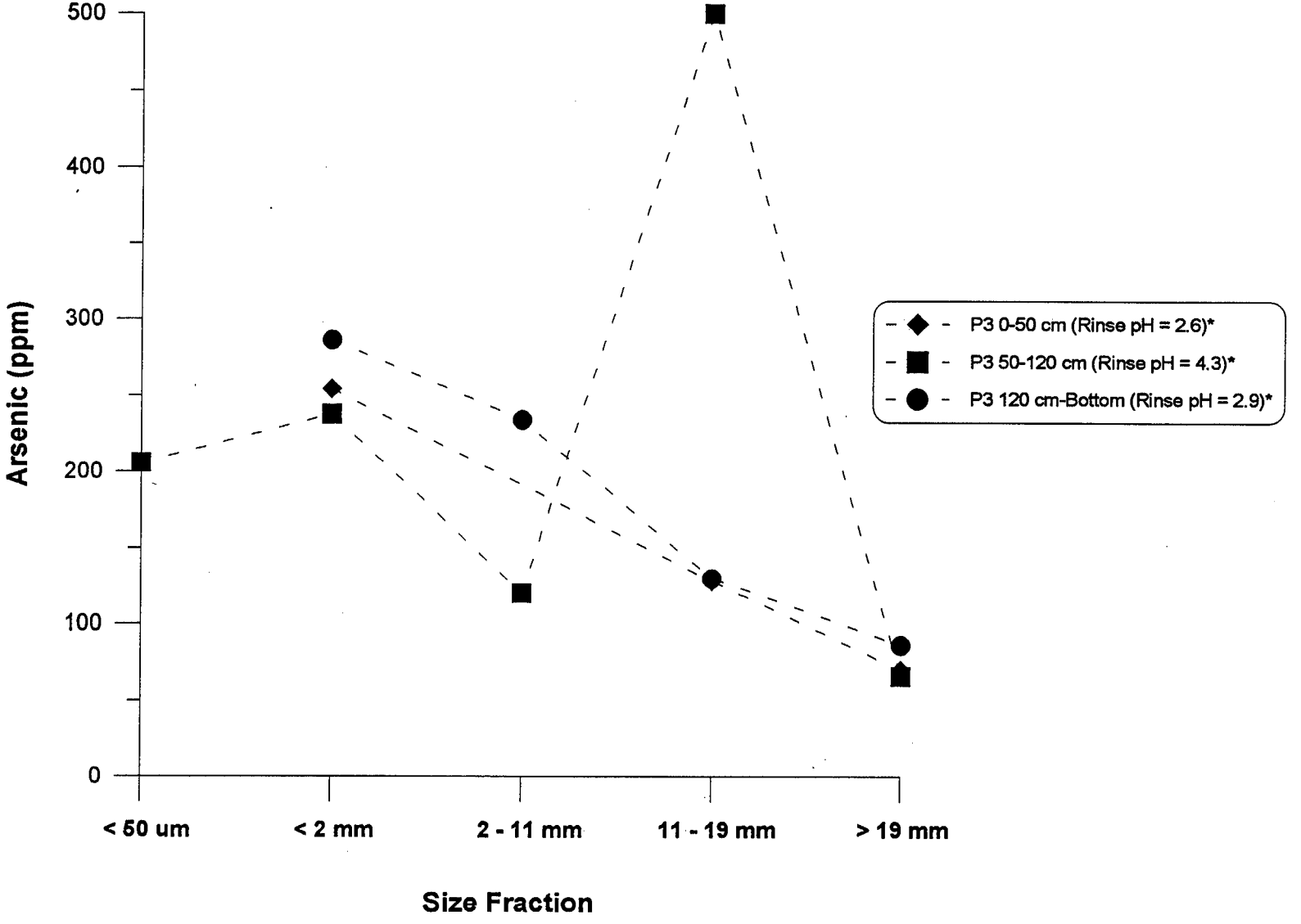
Zinc vs Size Fraction



E5.2 Profile #3

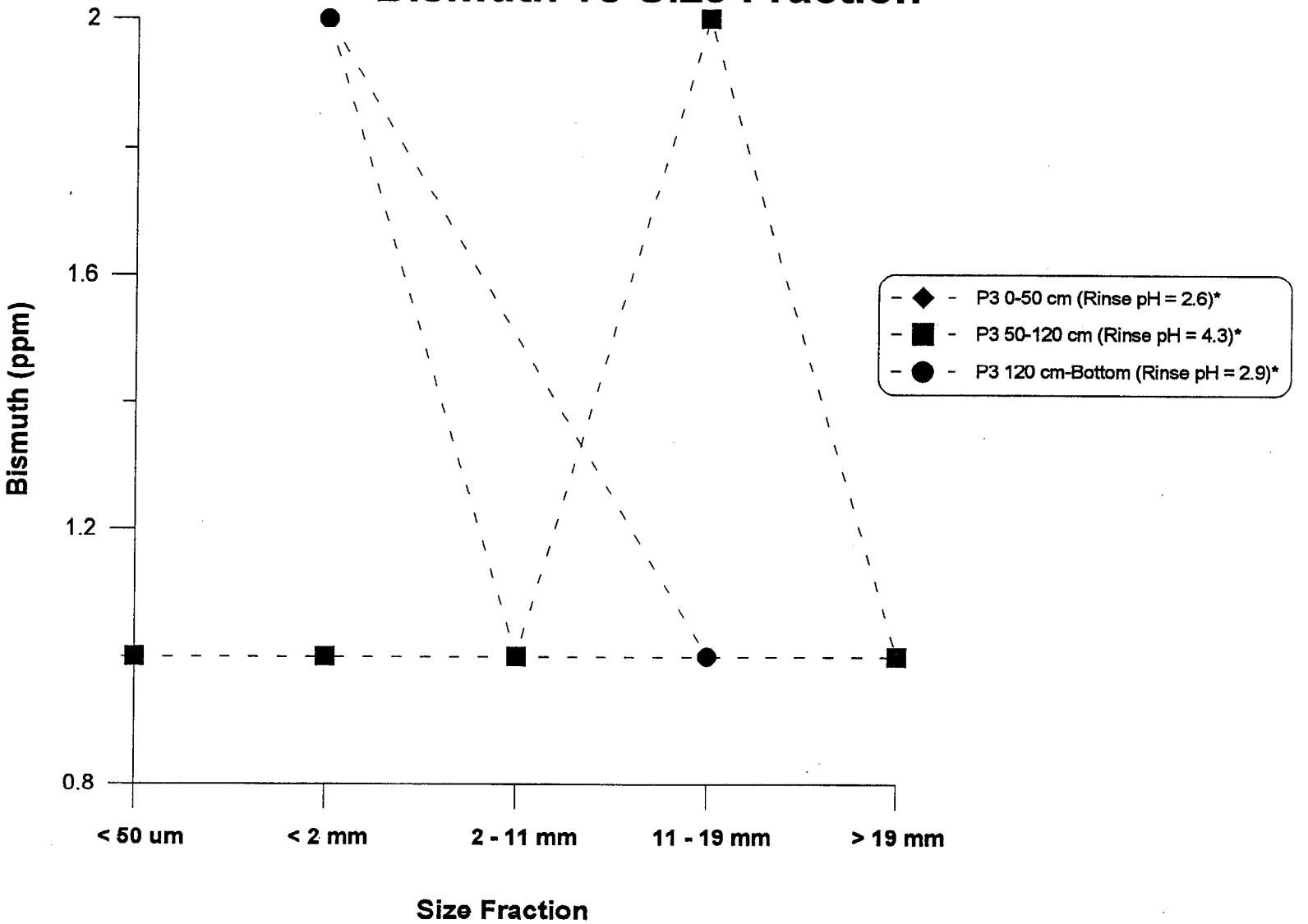
MDA Waste Rock Project

Arsenic vs Size Fraction



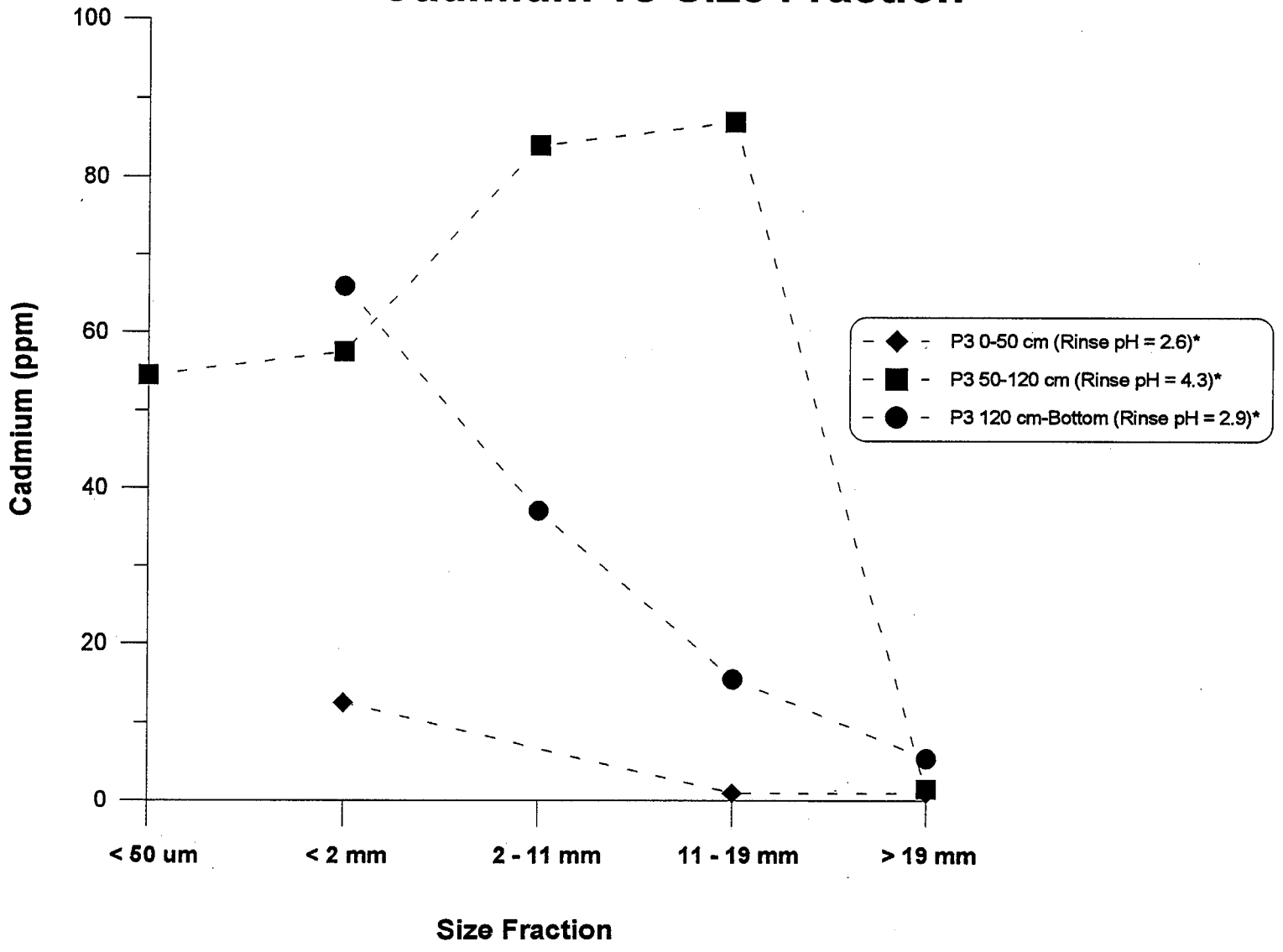
MDA Waste Rock Project

Bismuth vs Size Fraction



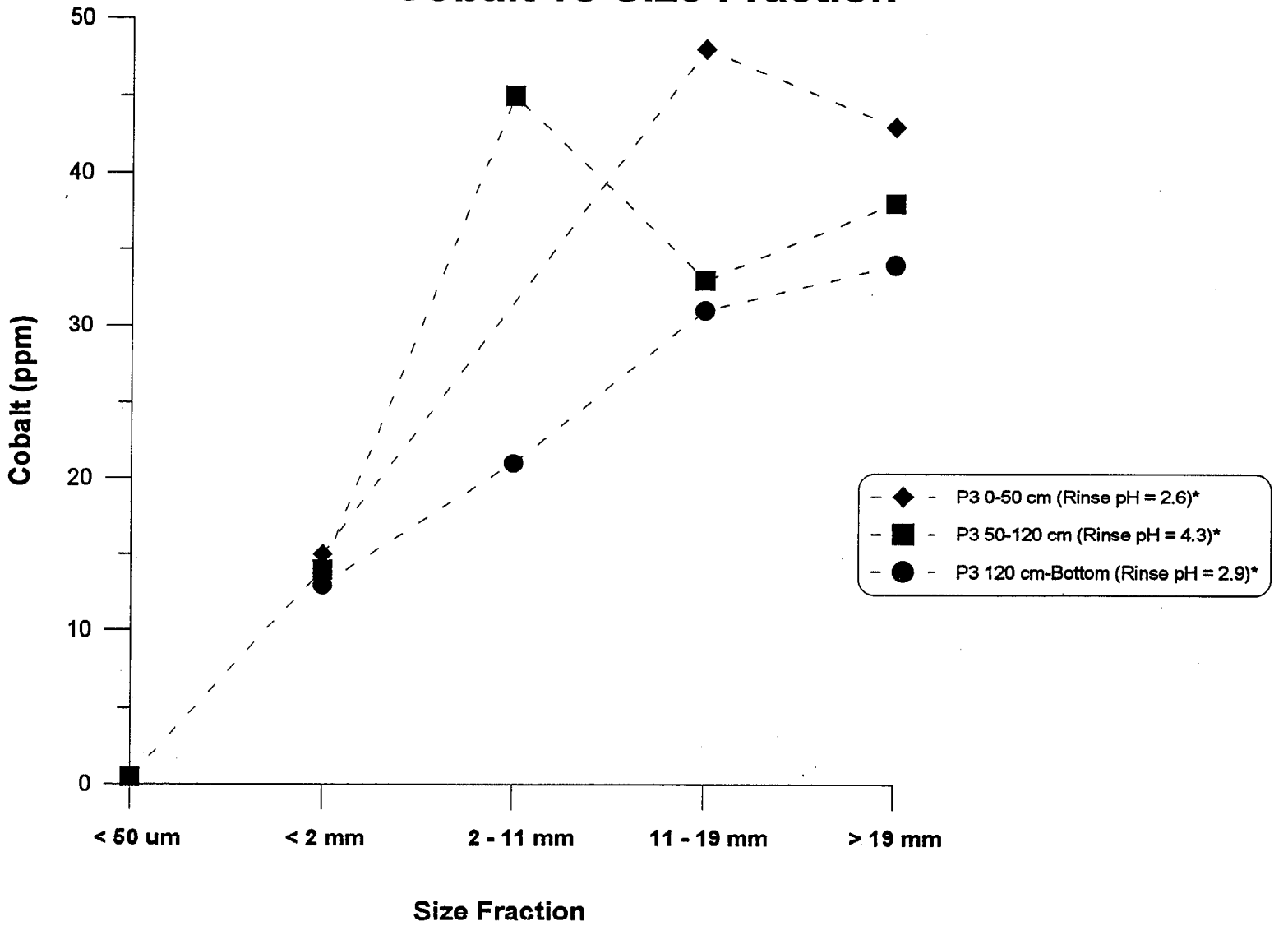
MDA Waste Rock Project

Cadmium vs Size Fraction



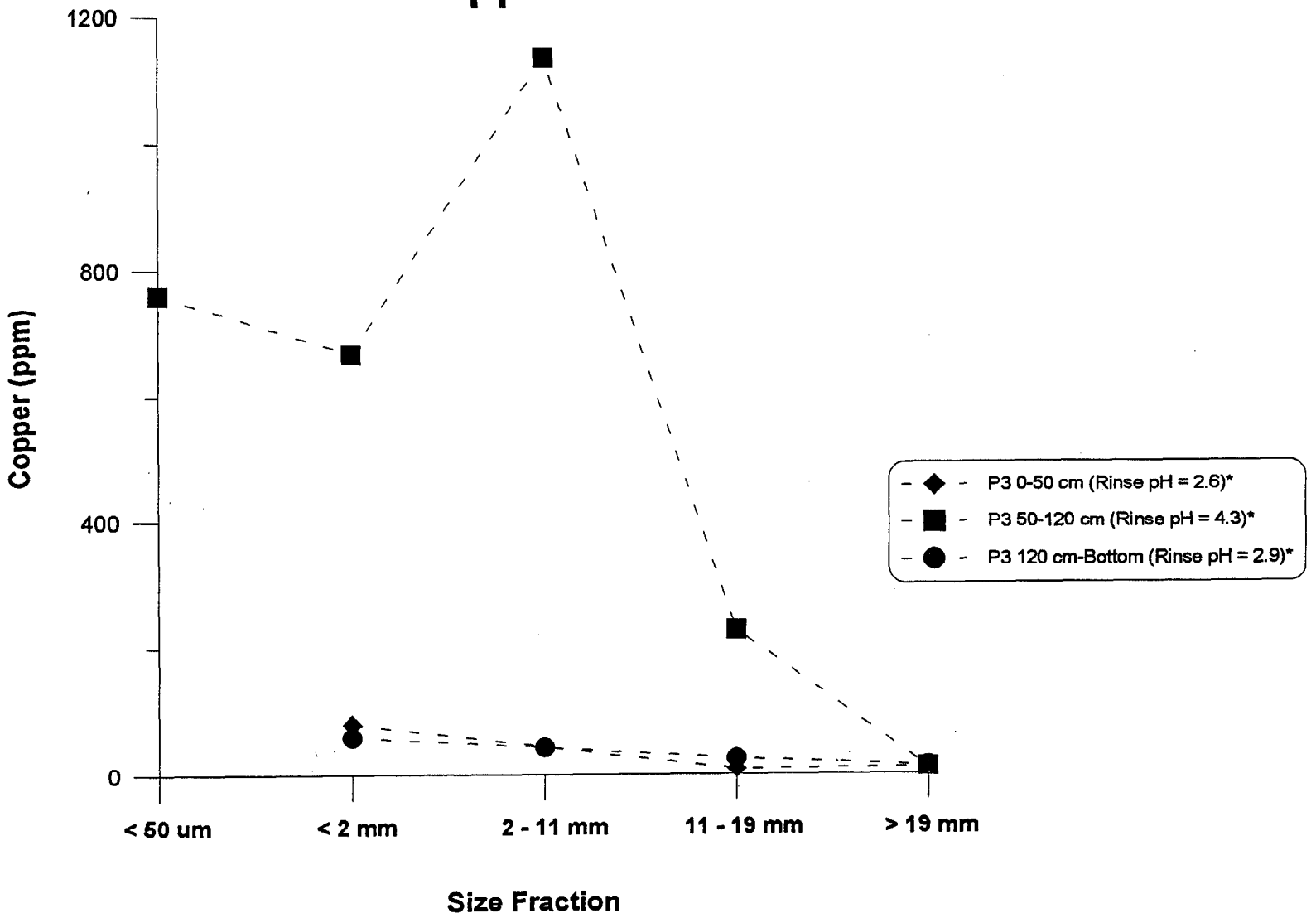
MDA Waste Rock Project

Cobalt vs Size Fraction



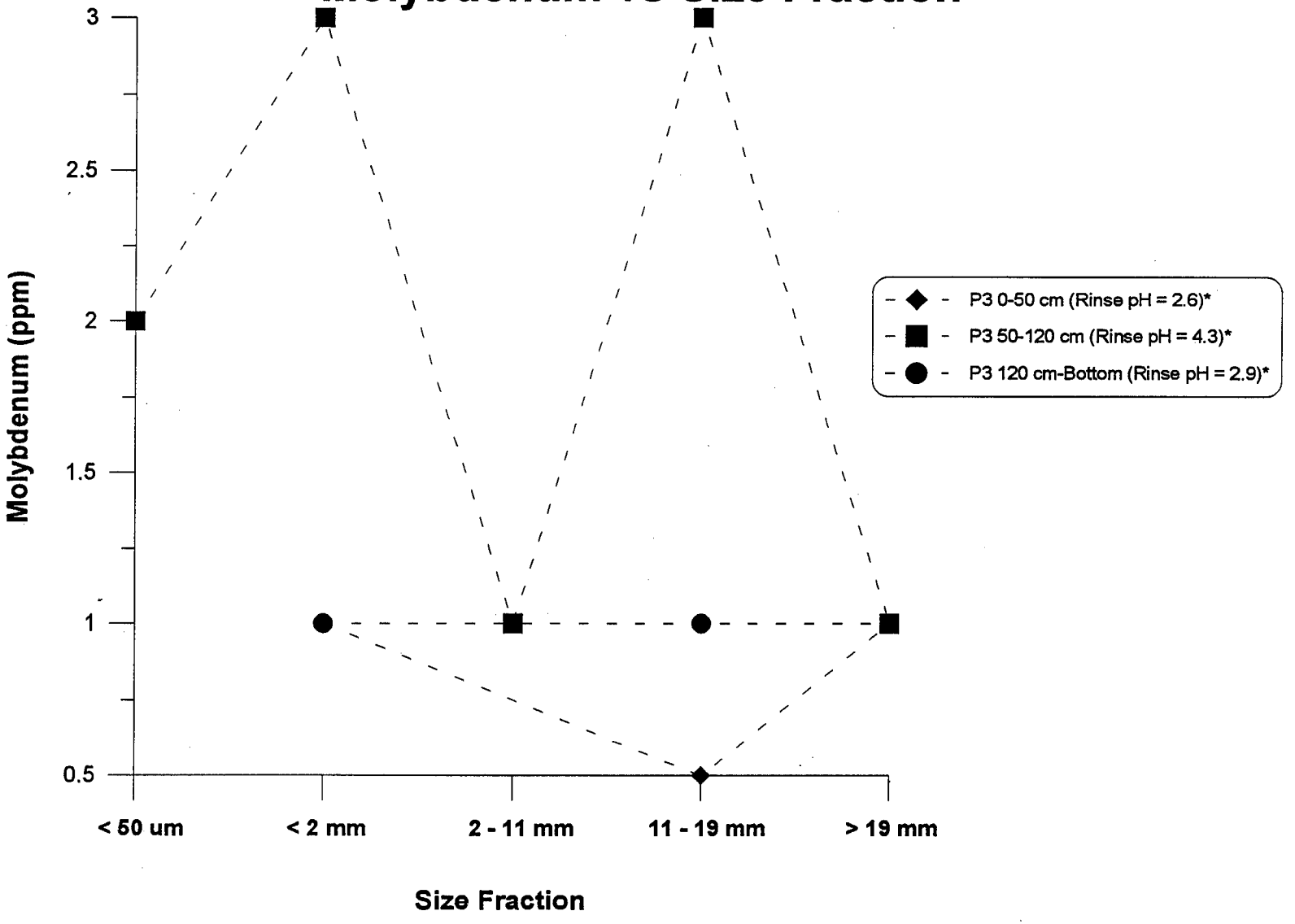
MDA Waste Rock Project

Copper vs Size Fraction



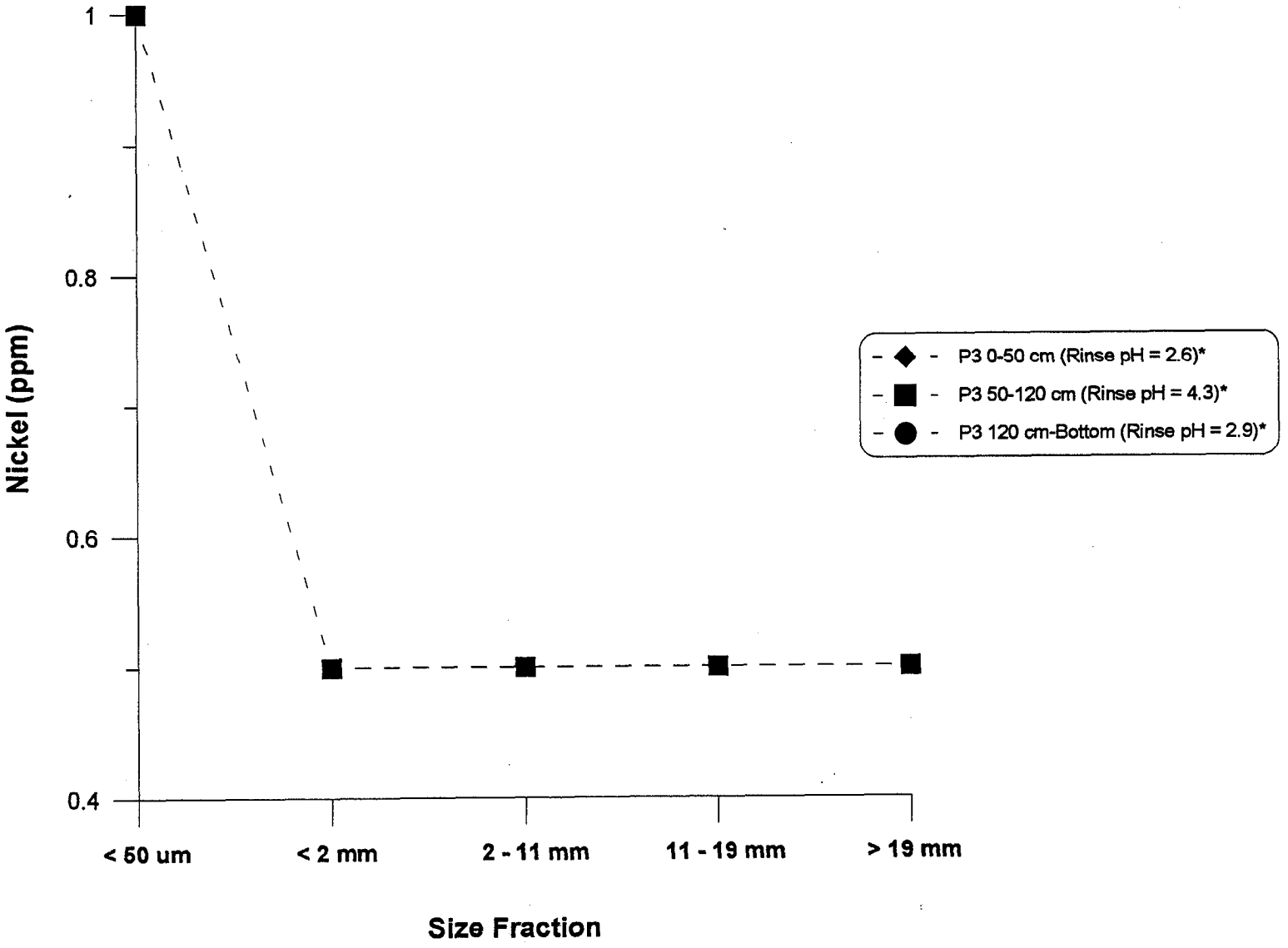
MDA Waste Rock Project

Molybdenum vs Size Fraction



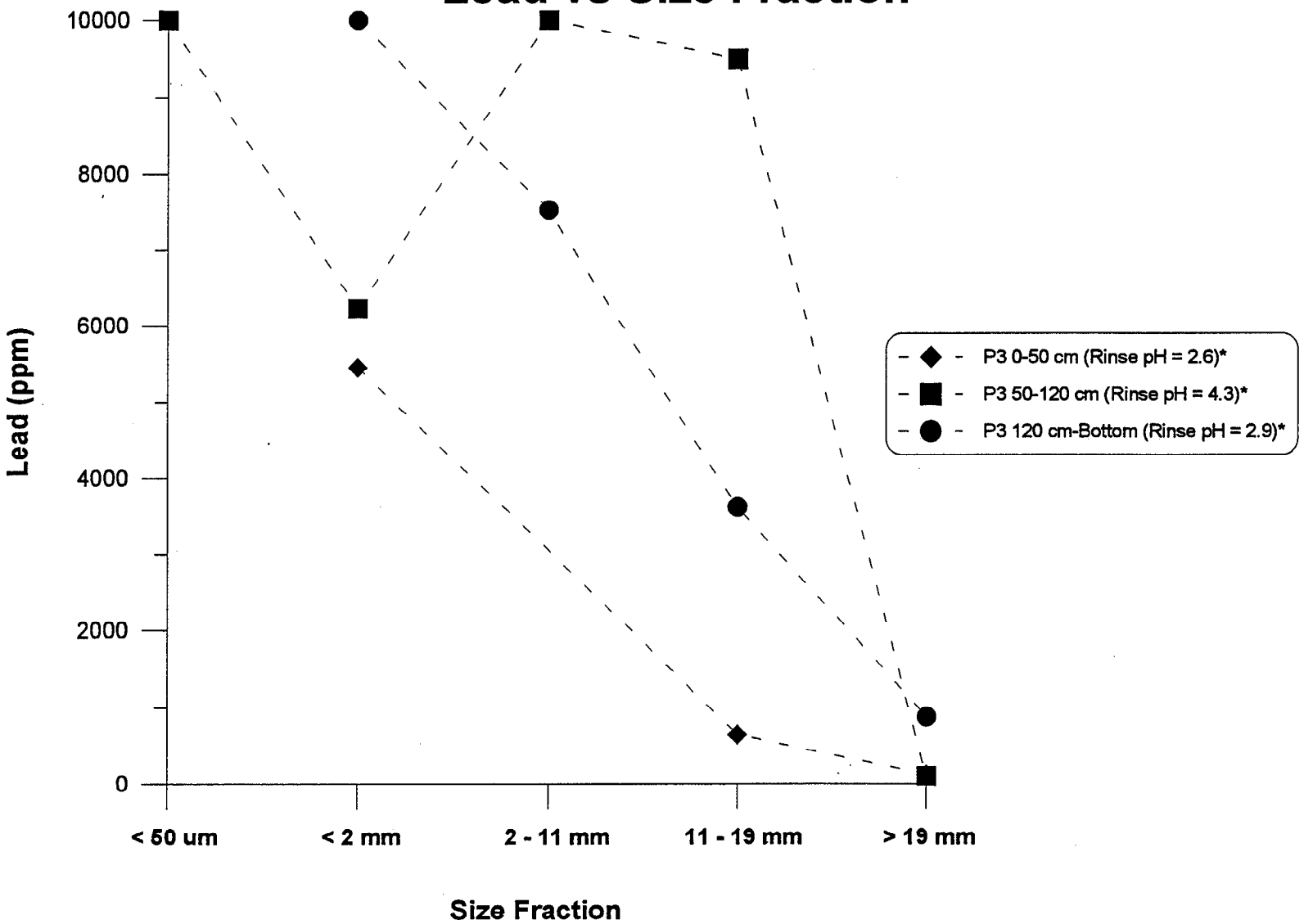
MDA Waste Rock Project

Nickel vs Size Fraction



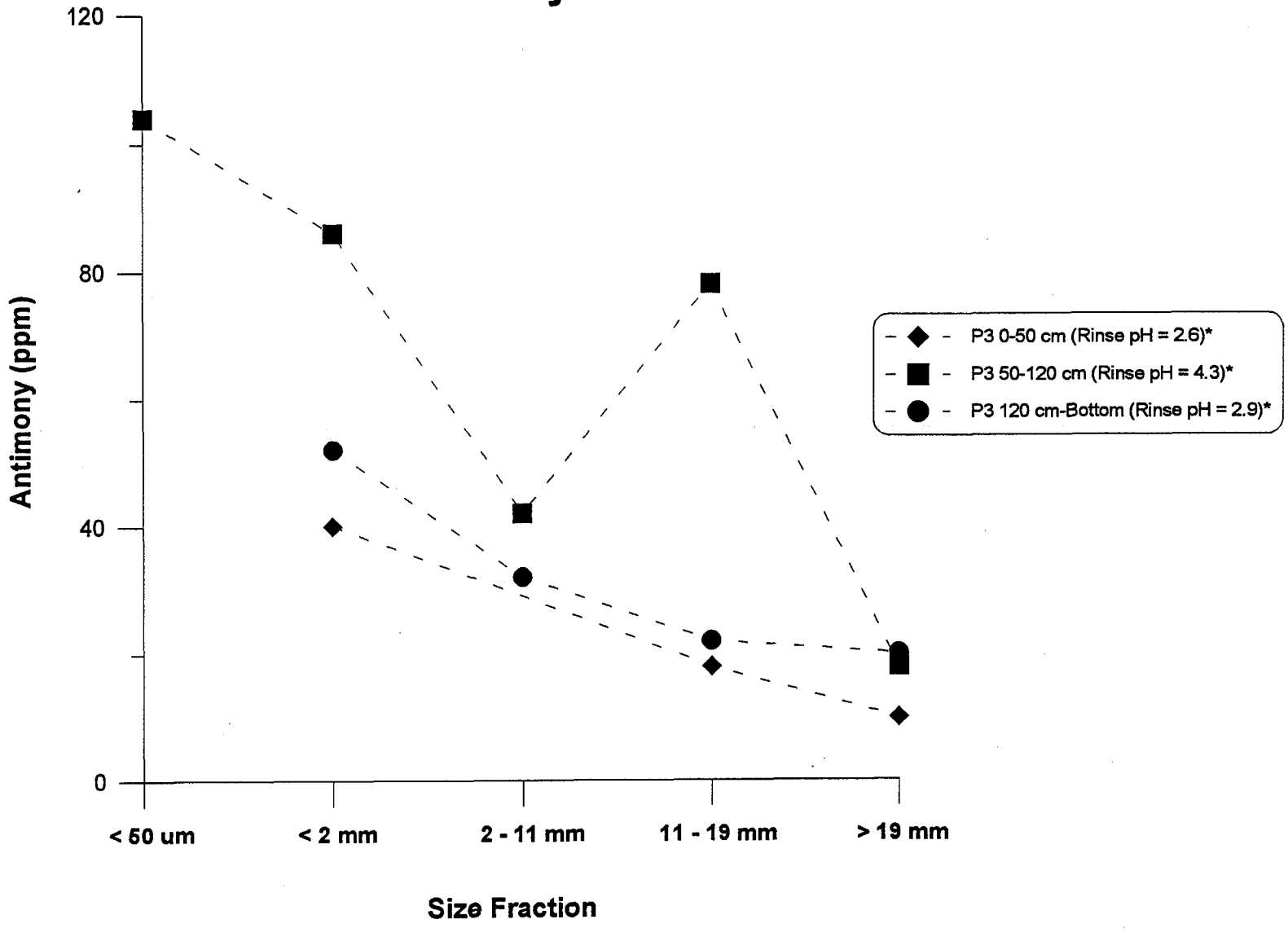
MDA Waste Rock Project

Lead vs Size Fraction



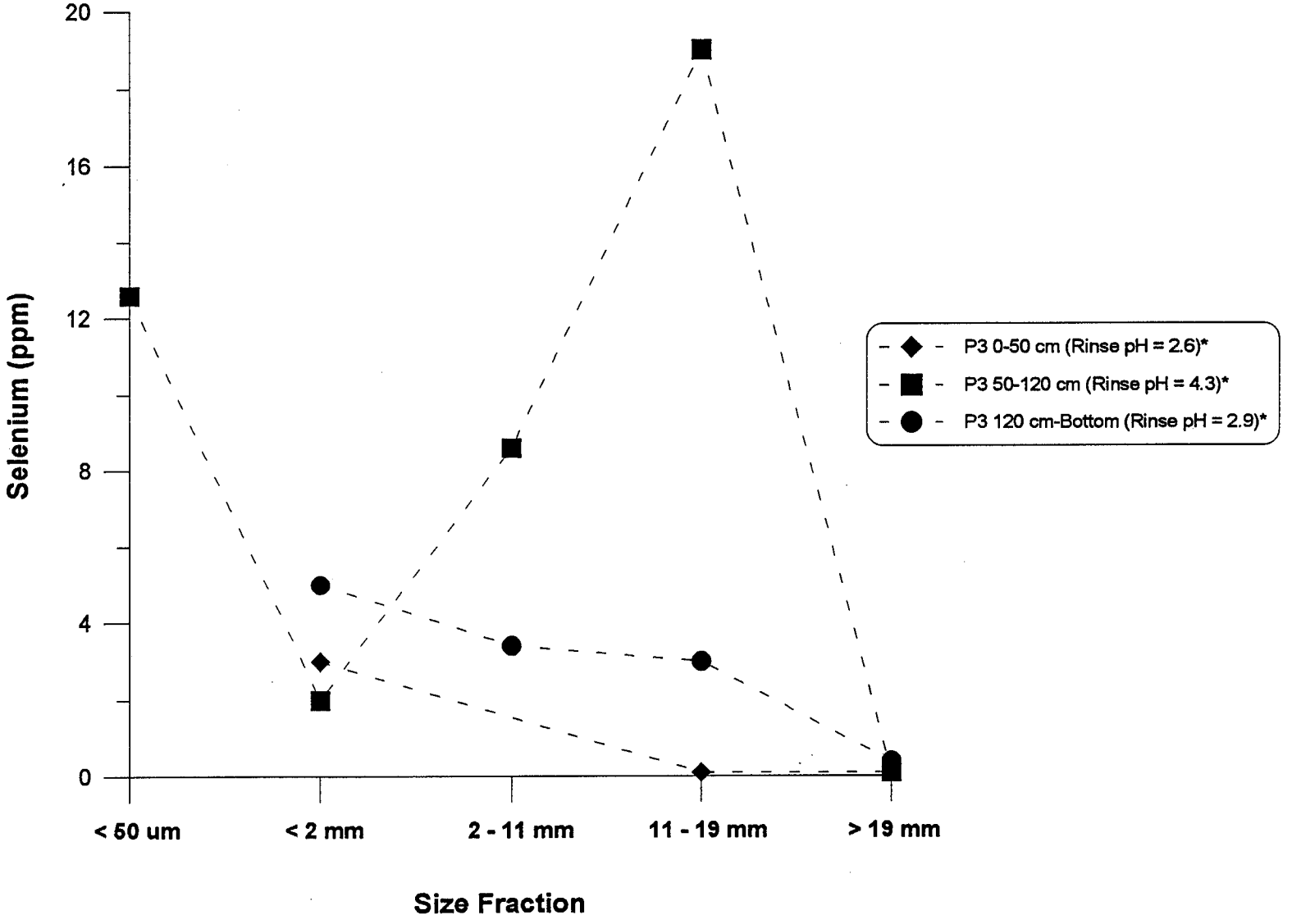
MDA Waste Rock Project

Antimony vs Size Fraction



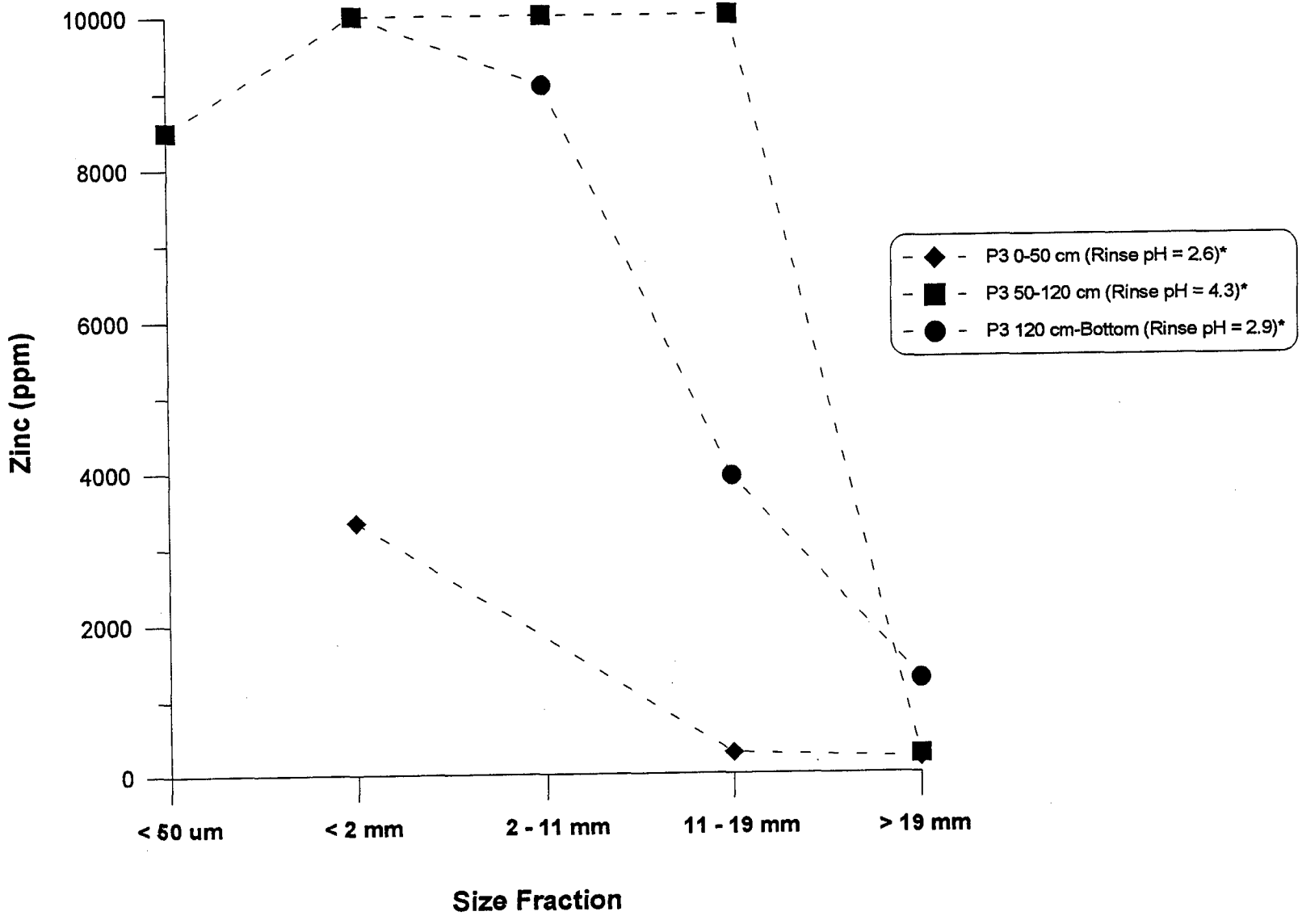
MDA Waste Rock Project

Selenium vs Size Fraction



MDA Waste Rock Project

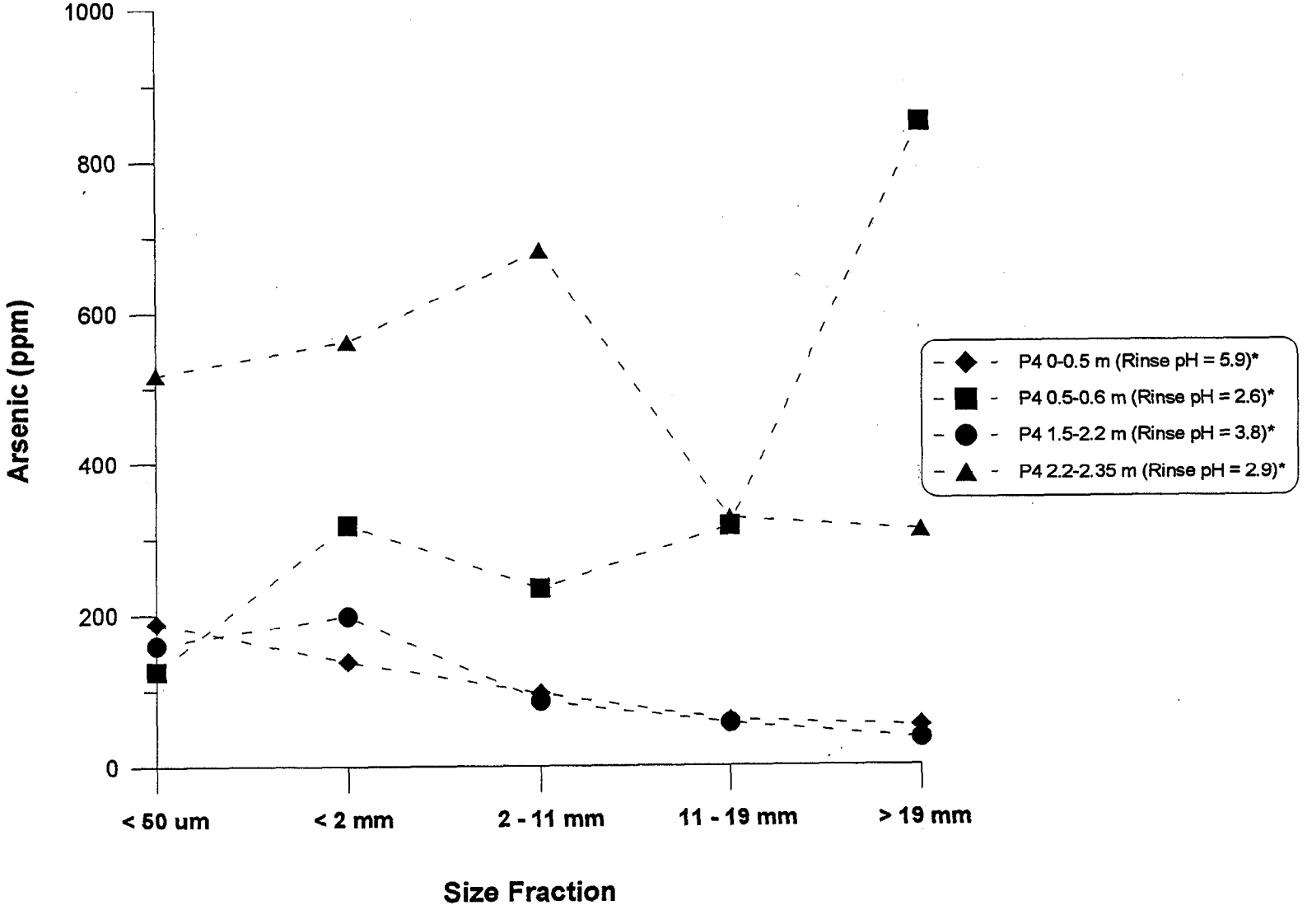
Zinc vs Size Fraction



E5.3 Profile #4

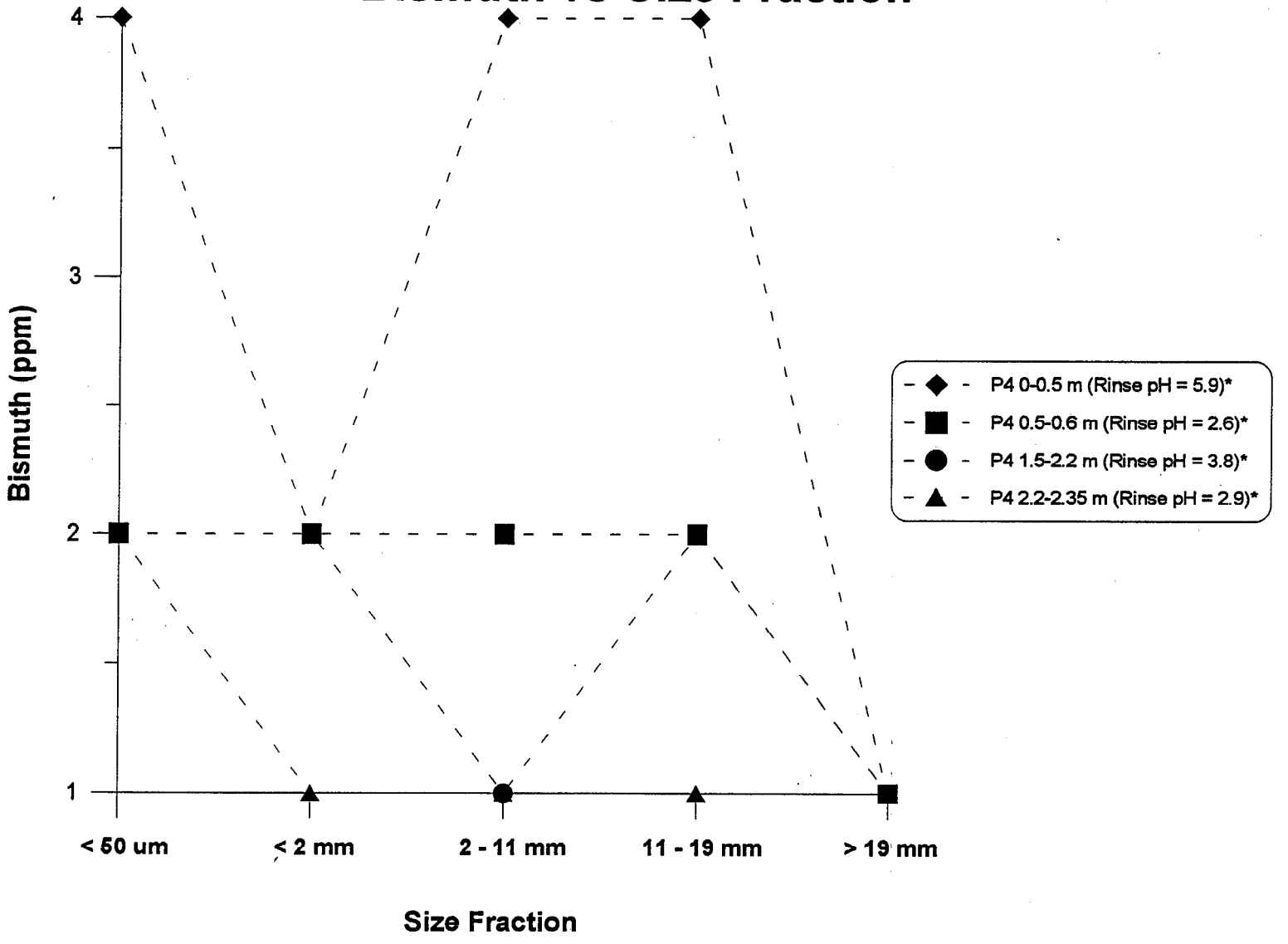
MDA Waste Rock Project

Arsenic vs Size Fraction



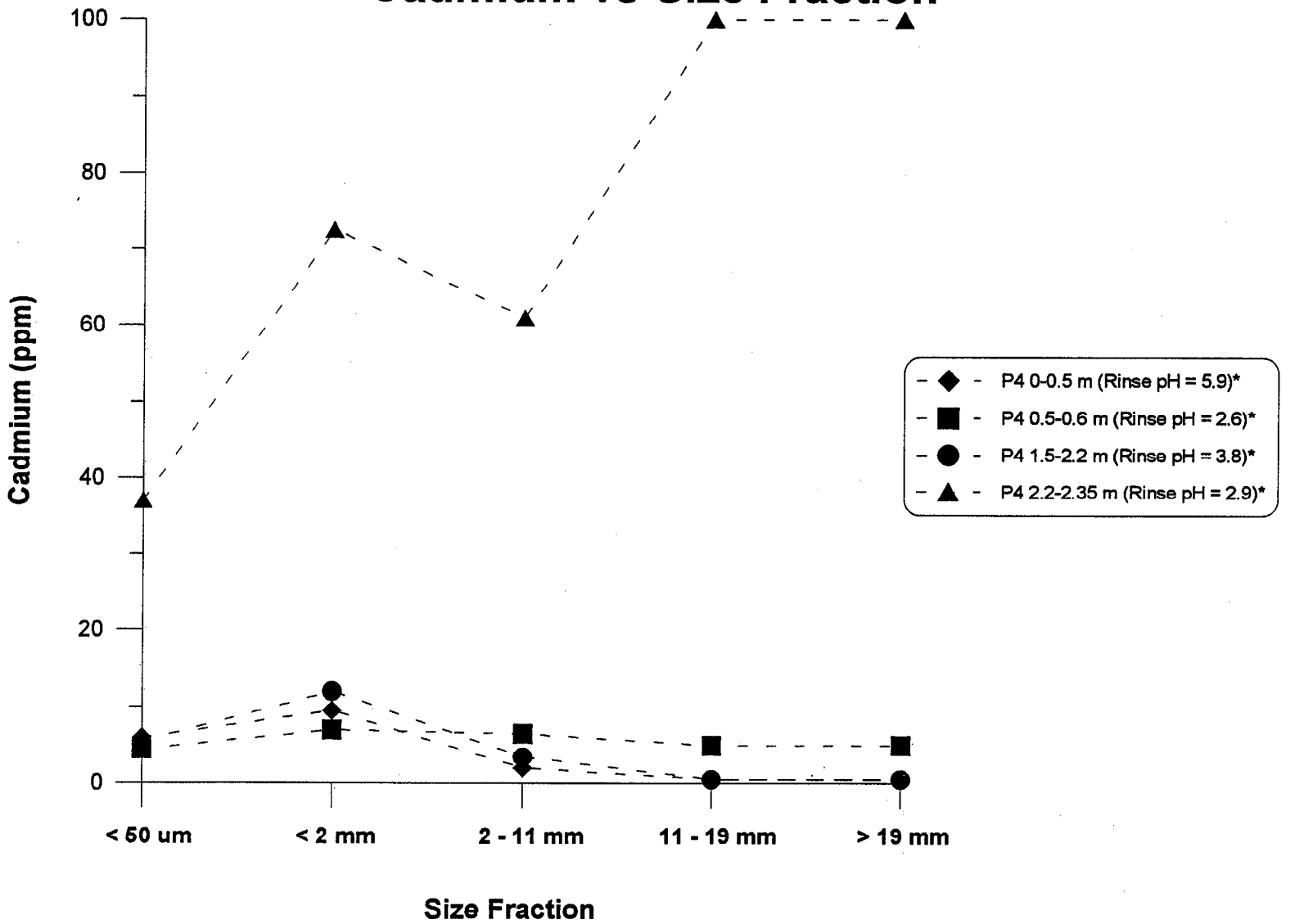
MDA Waste Rock Project

Bismuth vs Size Fraction



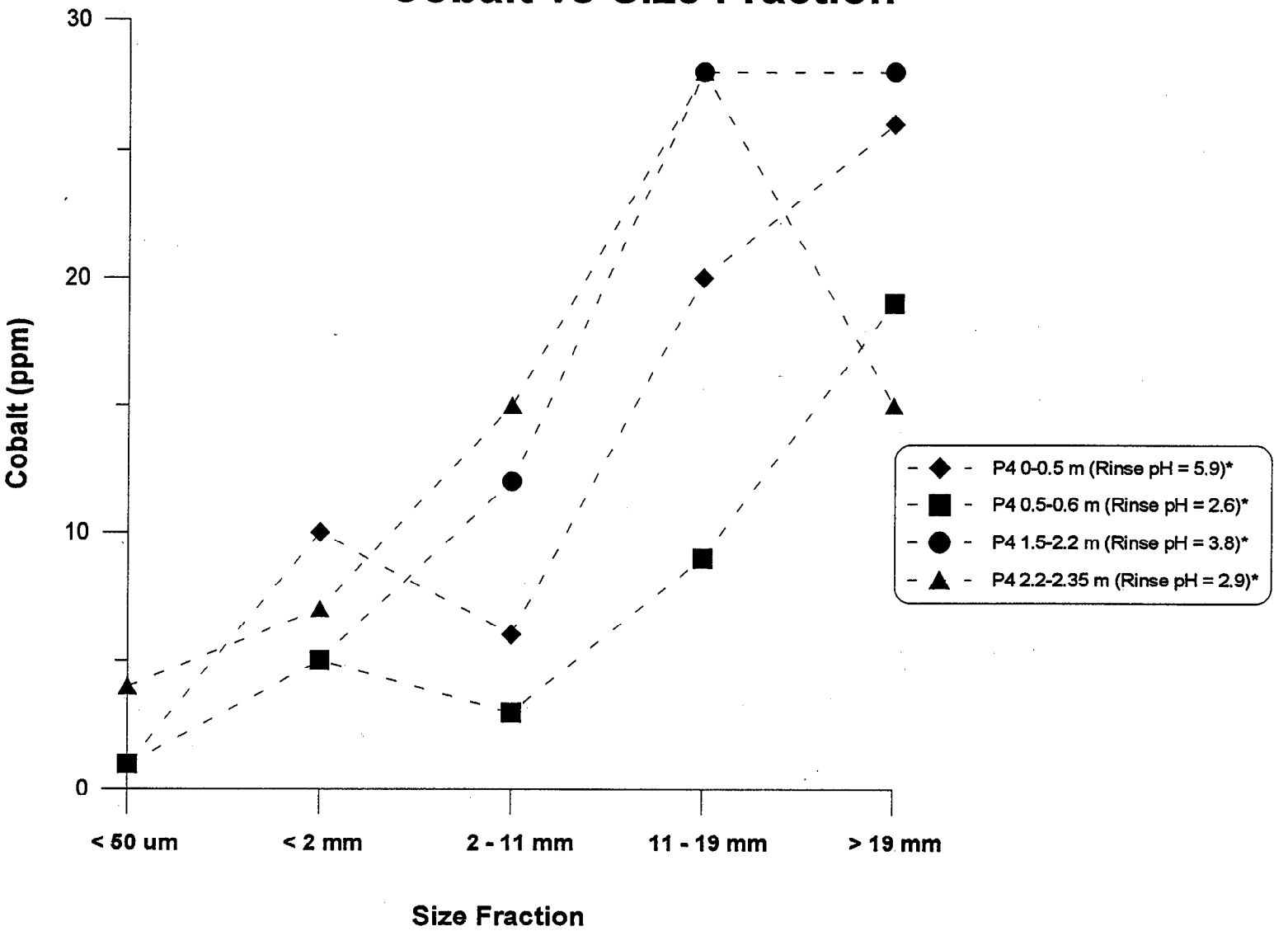
MDA Waste Rock Project

Cadmium vs Size Fraction



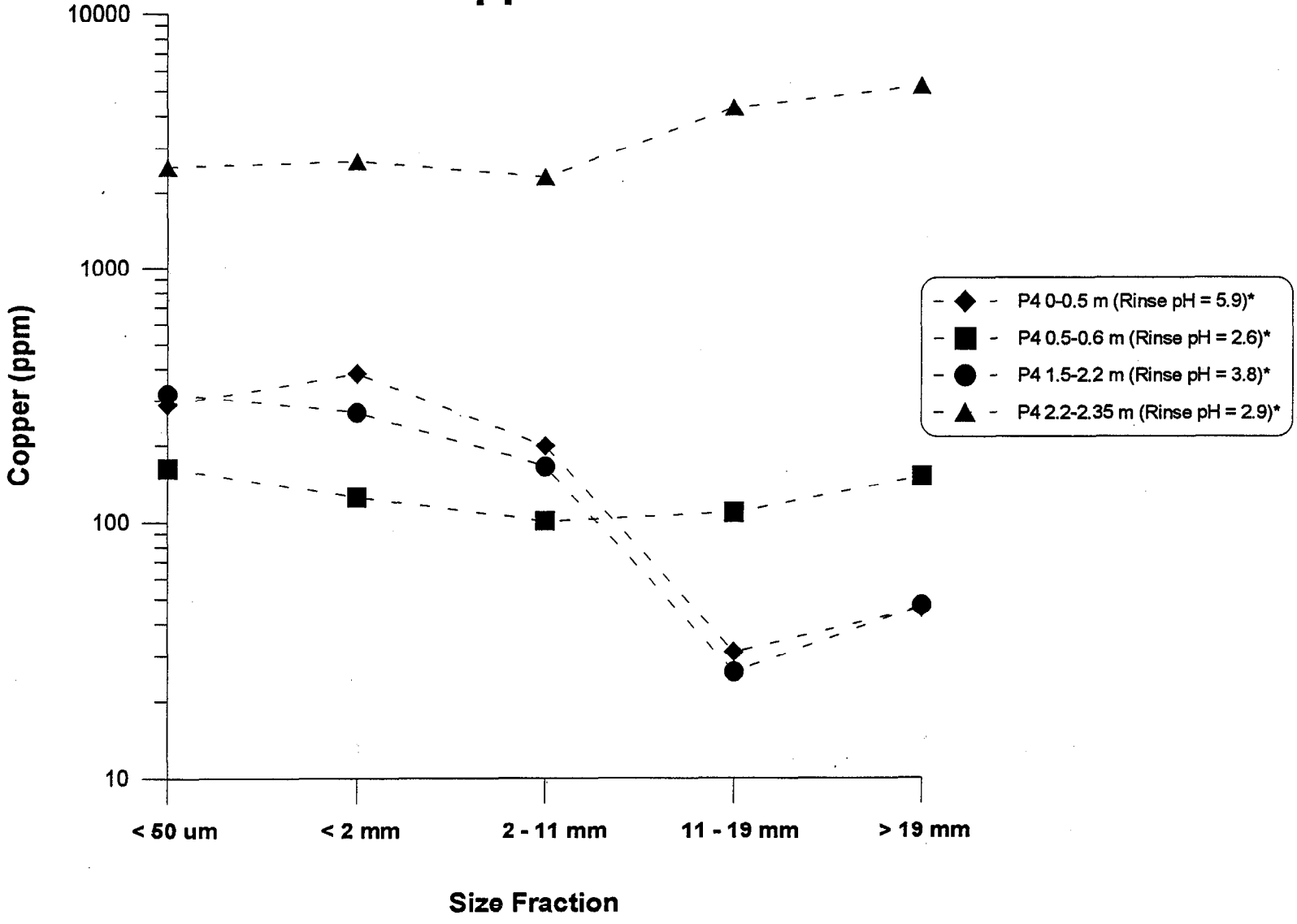
MDA Waste Rock Project

Cobalt vs Size Fraction



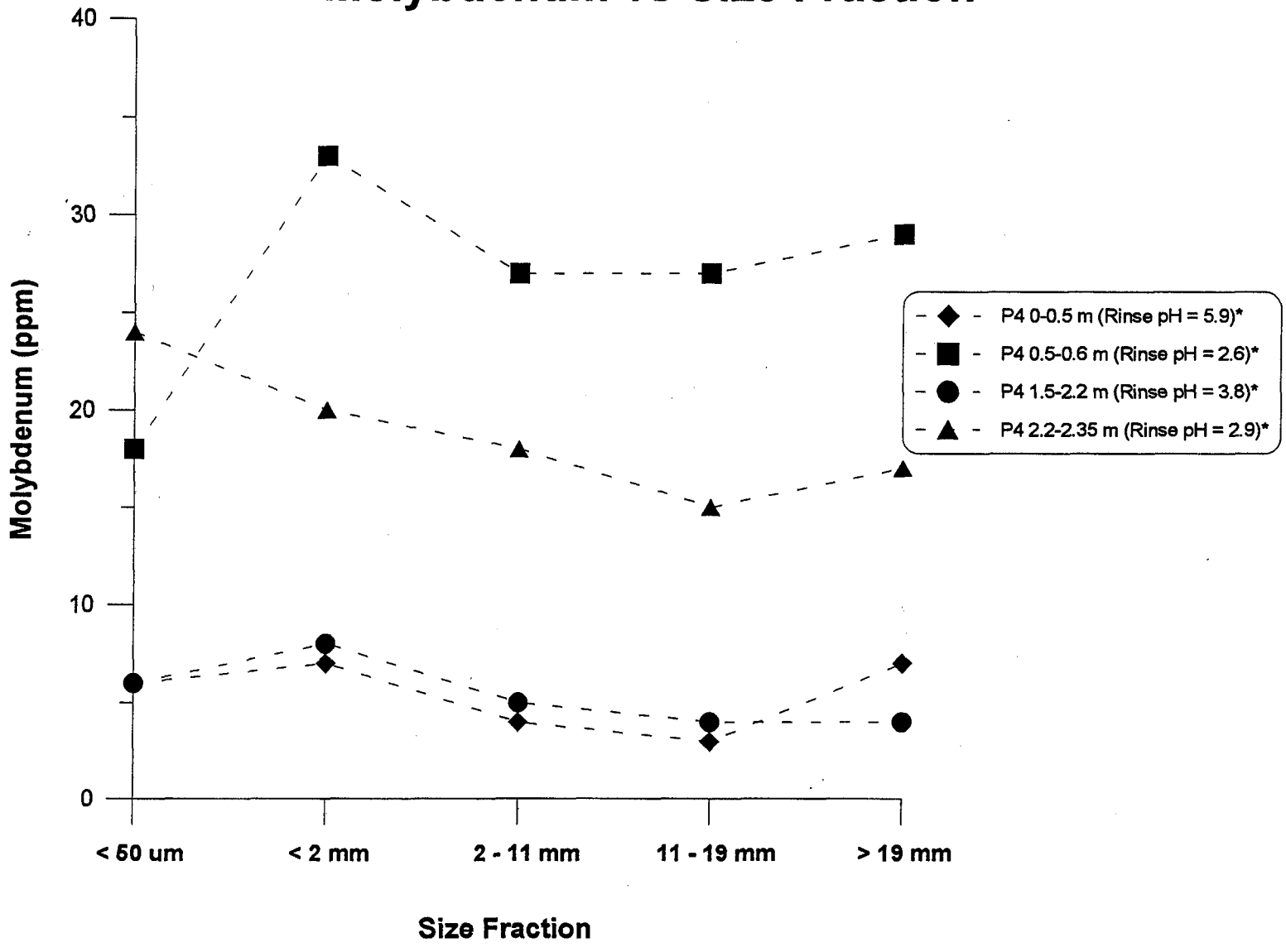
MDA Waste Rock Project

Copper vs Size Fraction



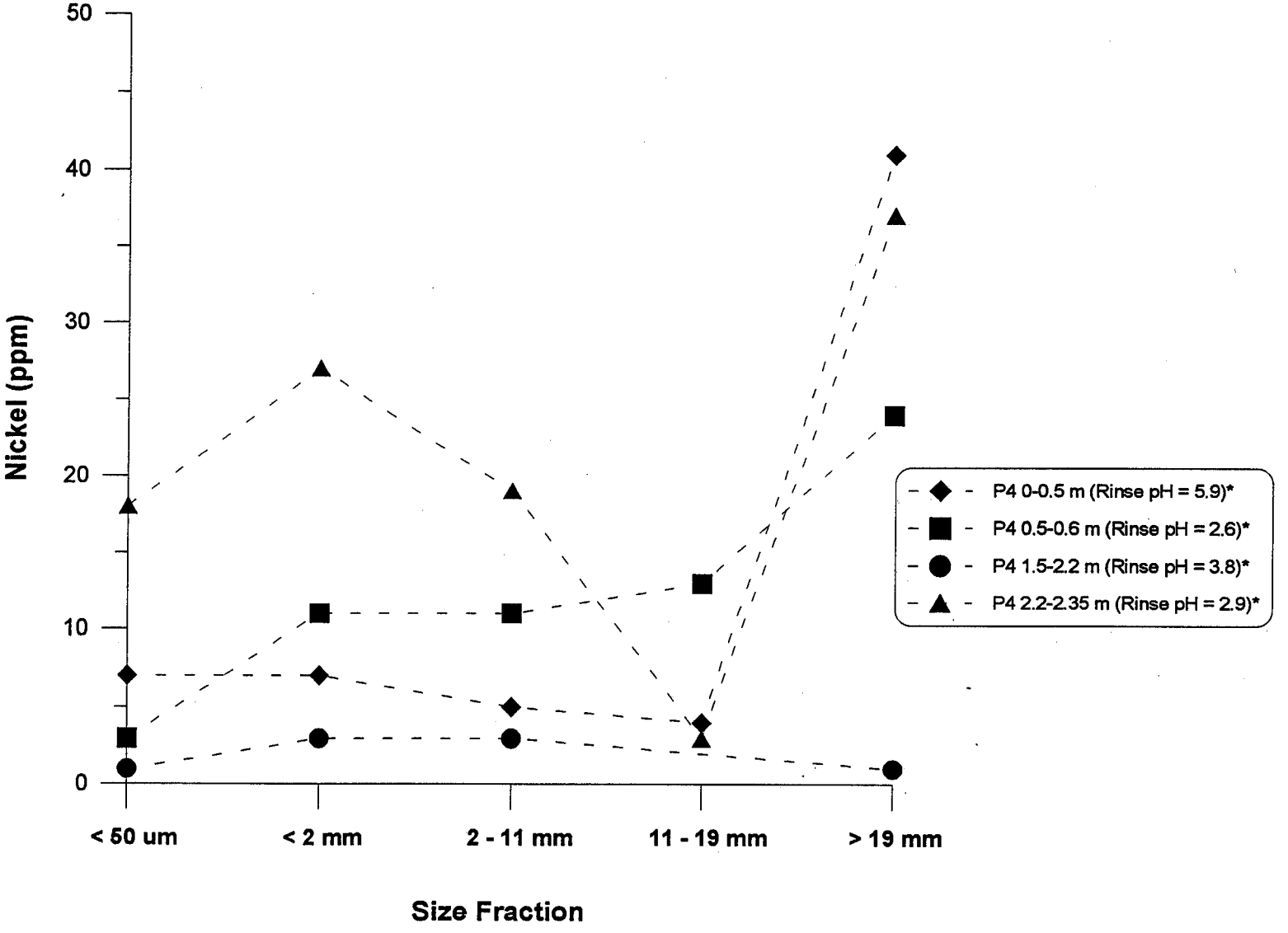
MDA Waste Rock Project

Molybdenum vs Size Fraction



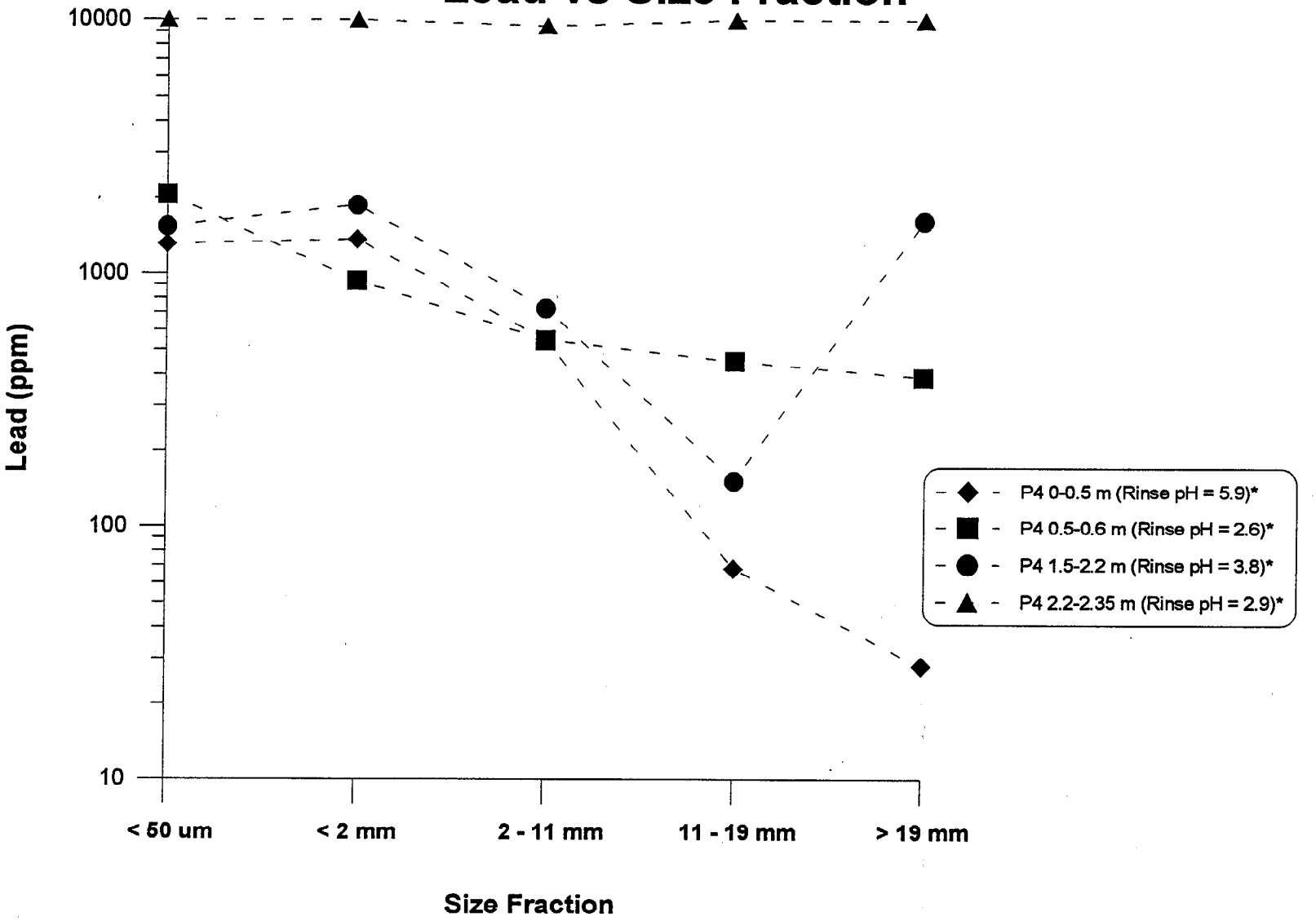
MDA Waste Rock Project

Nickel vs Size Fraction



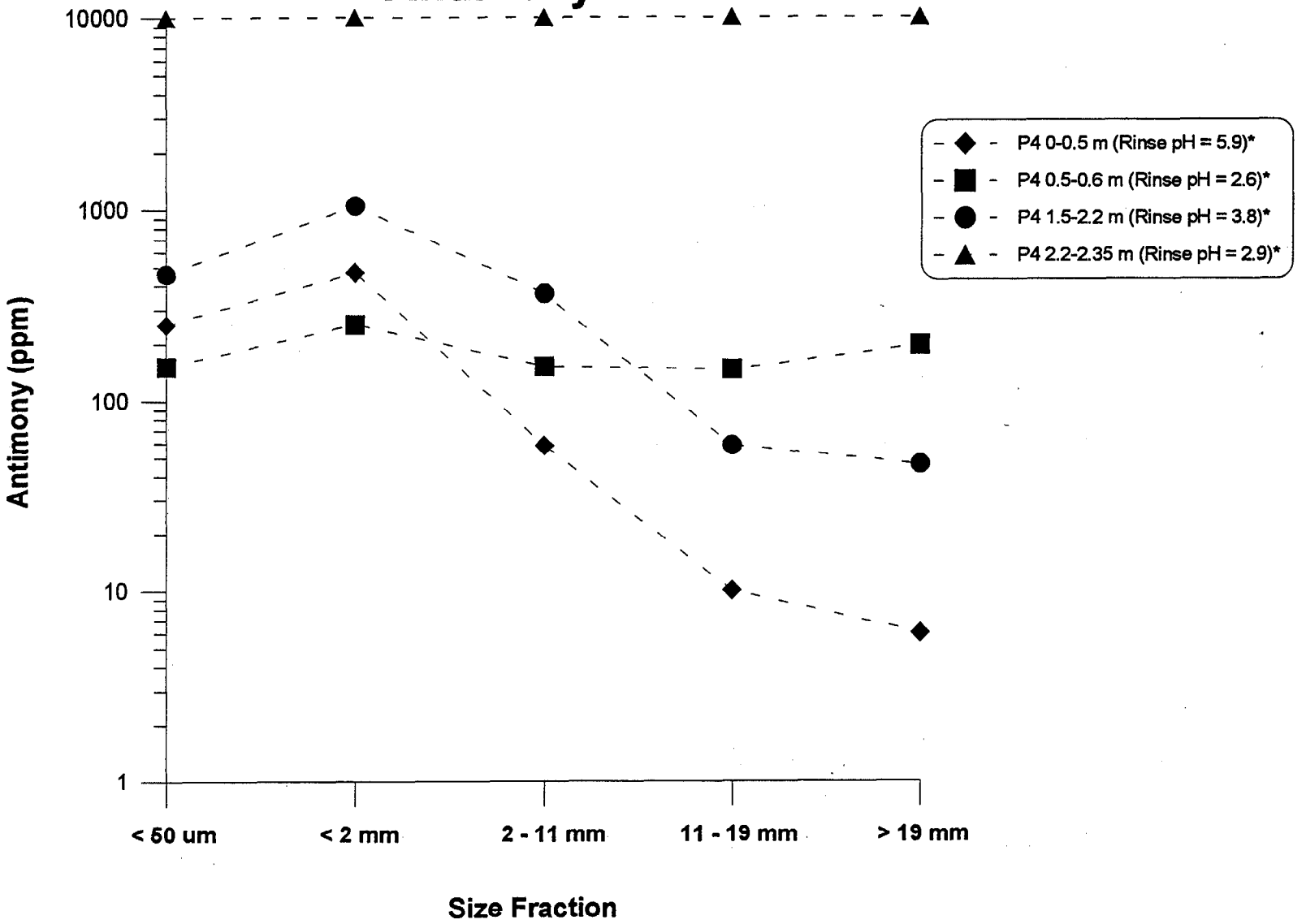
MDA Waste Rock Project

Lead vs Size Fraction



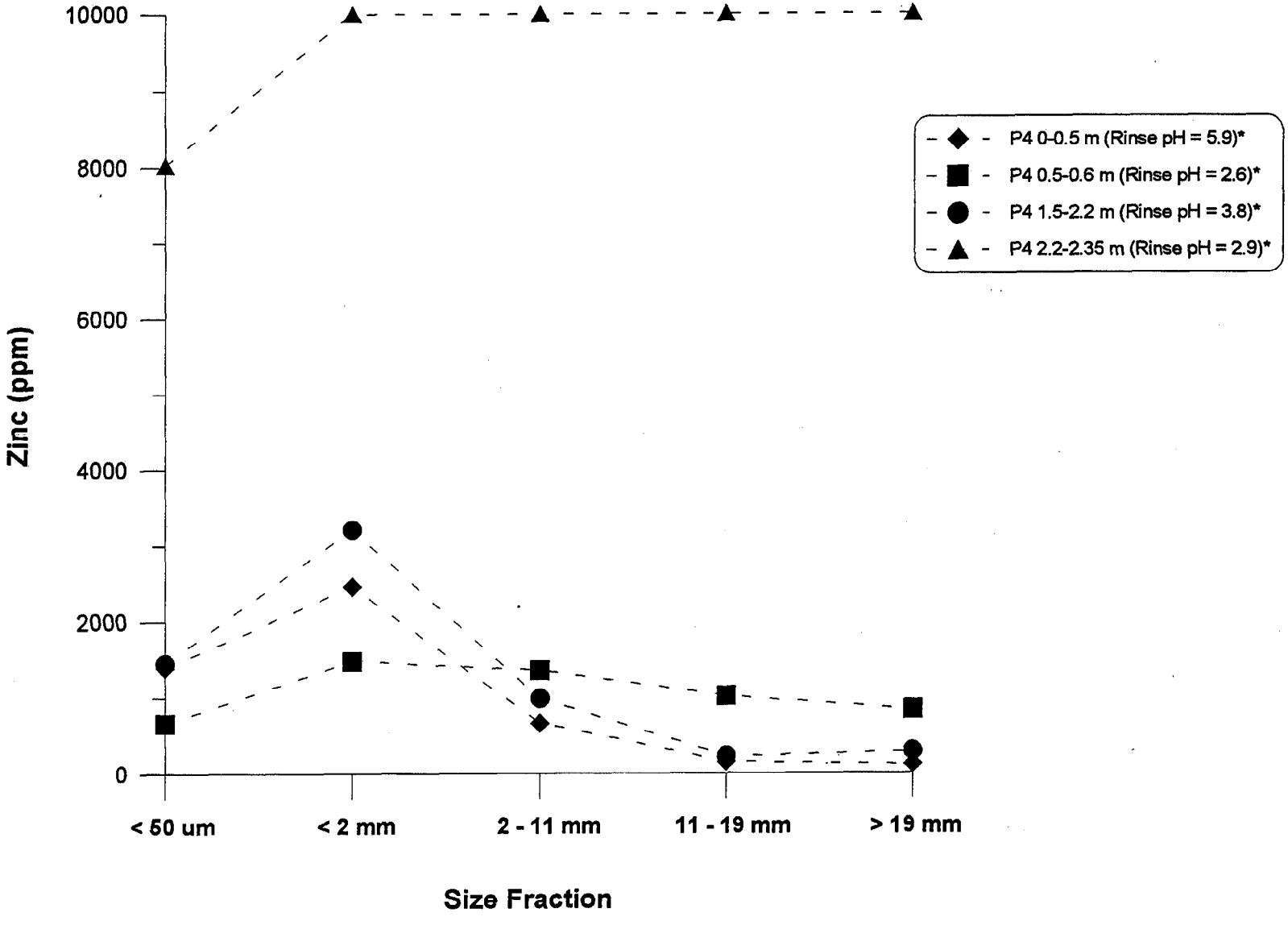
MDA Waste Rock Project

Antimony vs Size Fraction



MDA Waste Rock Project

Zinc vs Size Fraction



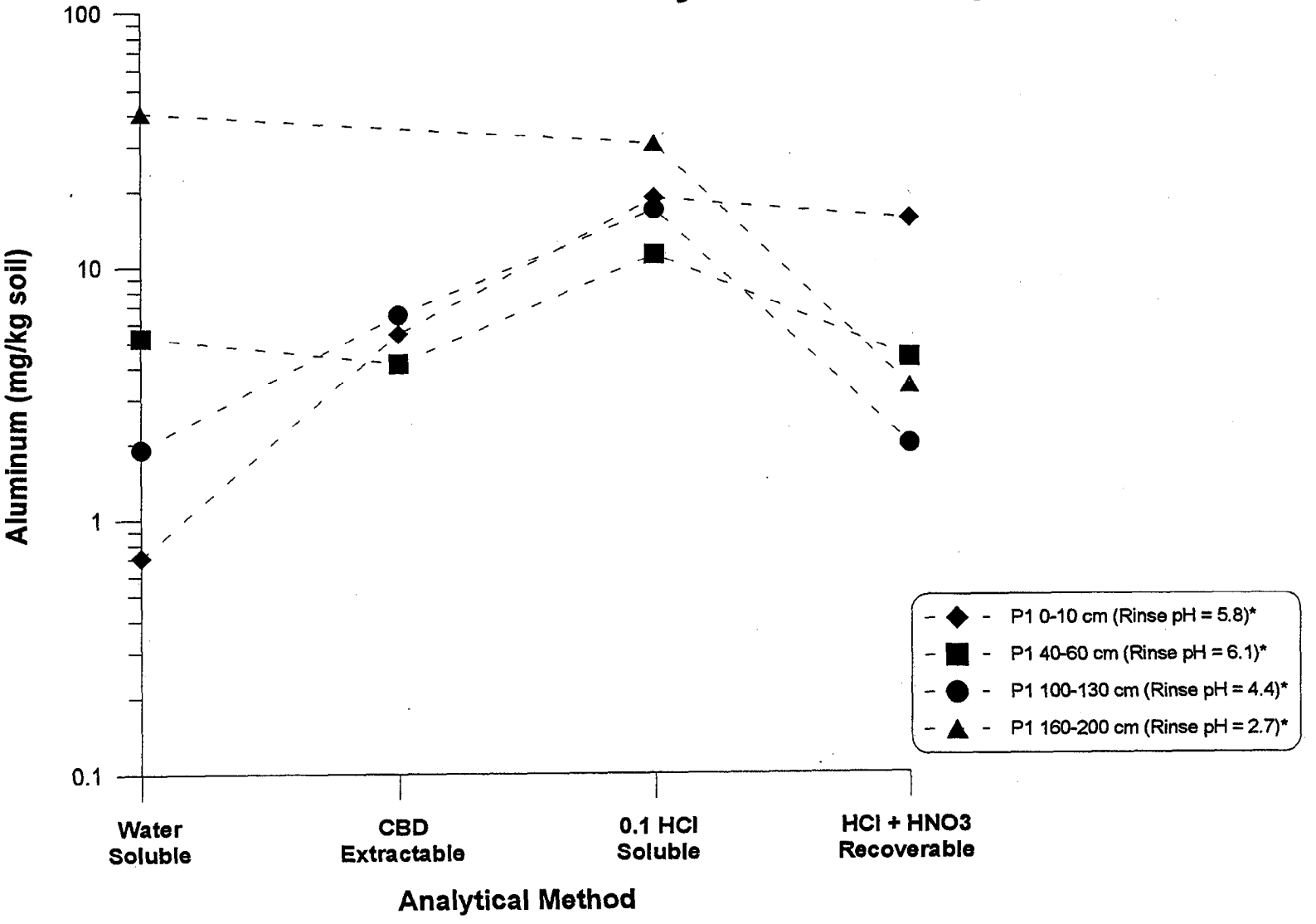
E6. Total-Metal Contents vs. Extraction Technique

E6.1 Profile #1

MDA Waste Rock Project

< 2 mm Size Fraction

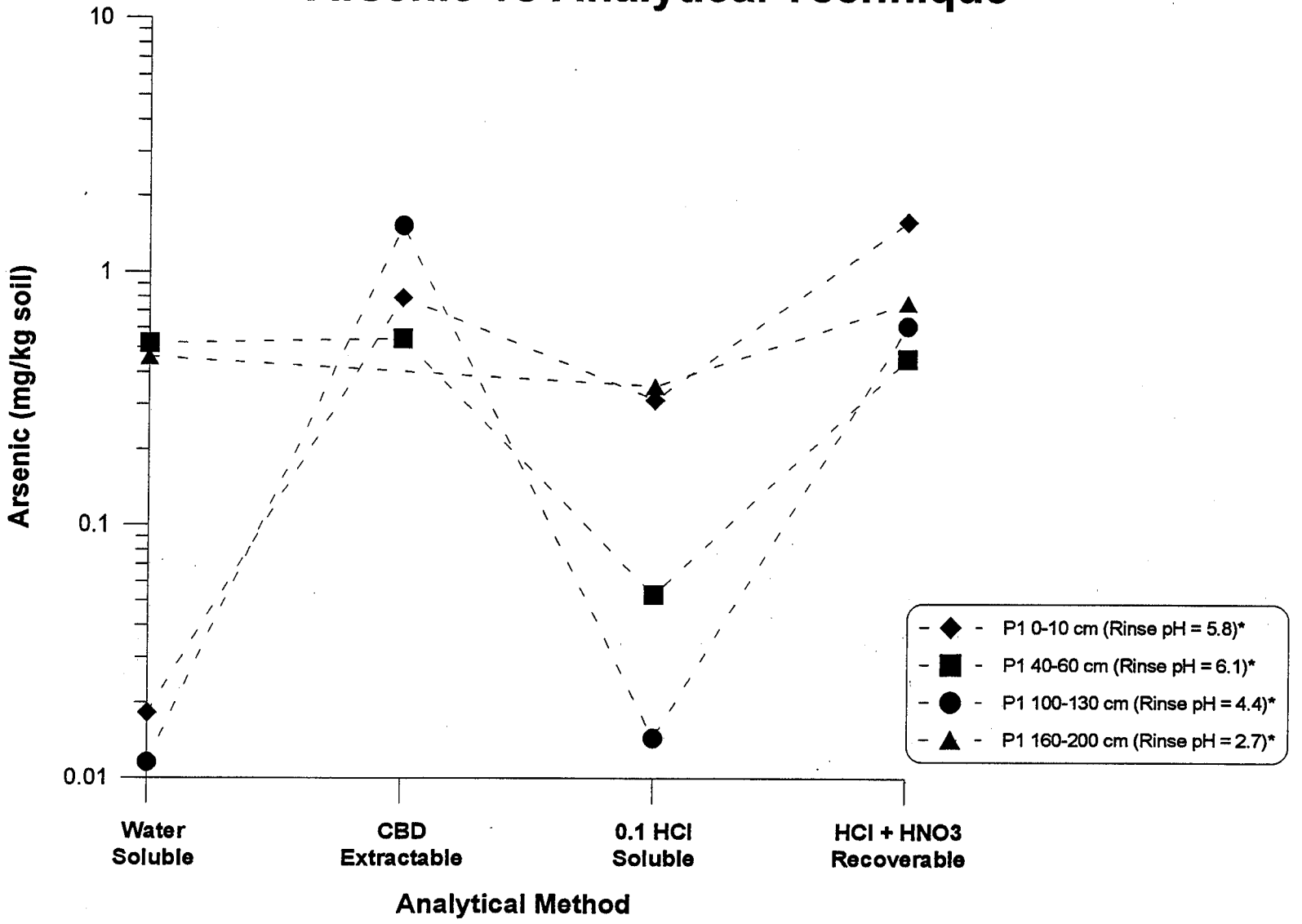
Aluminum vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

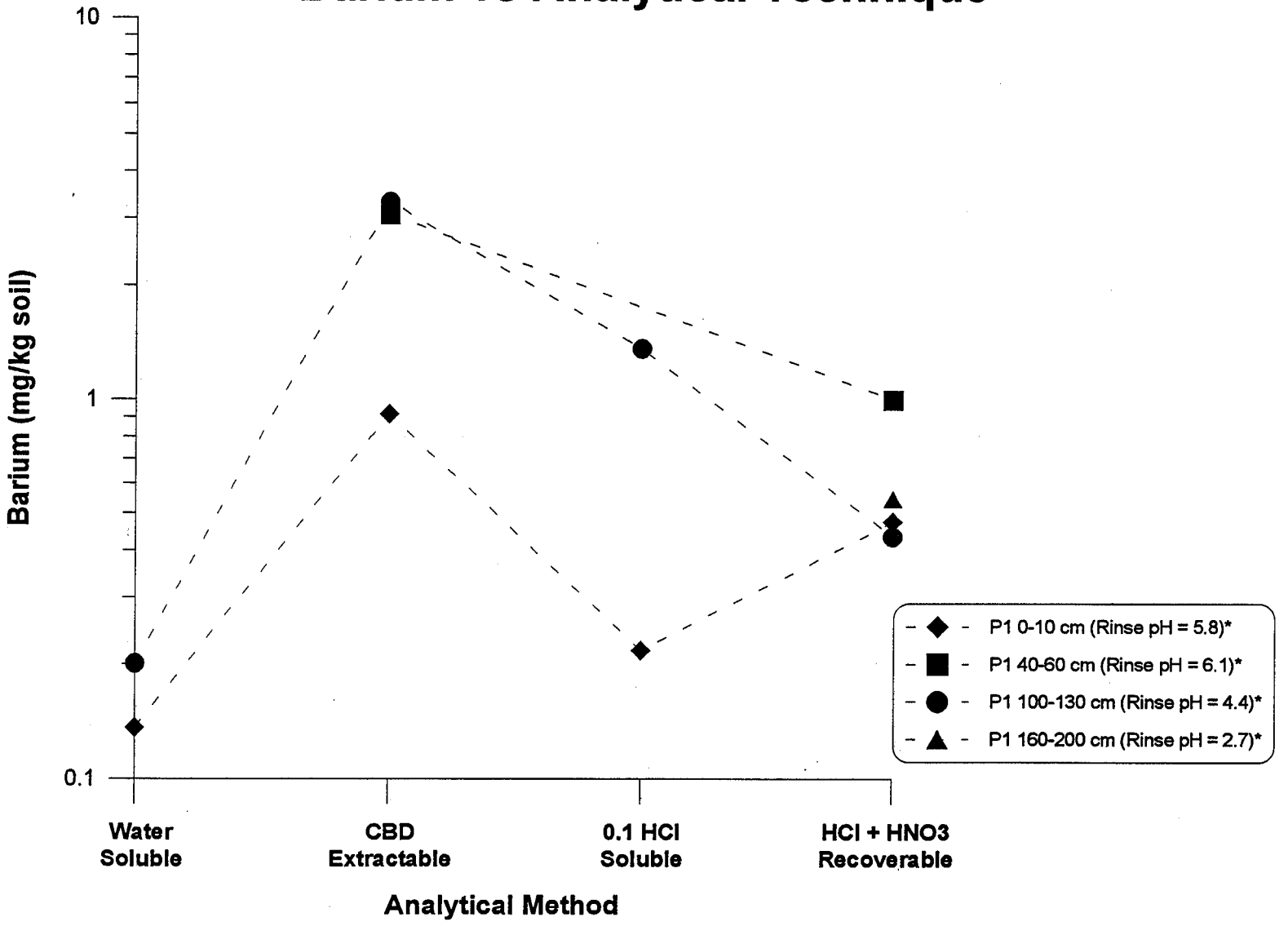
Arsenic vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

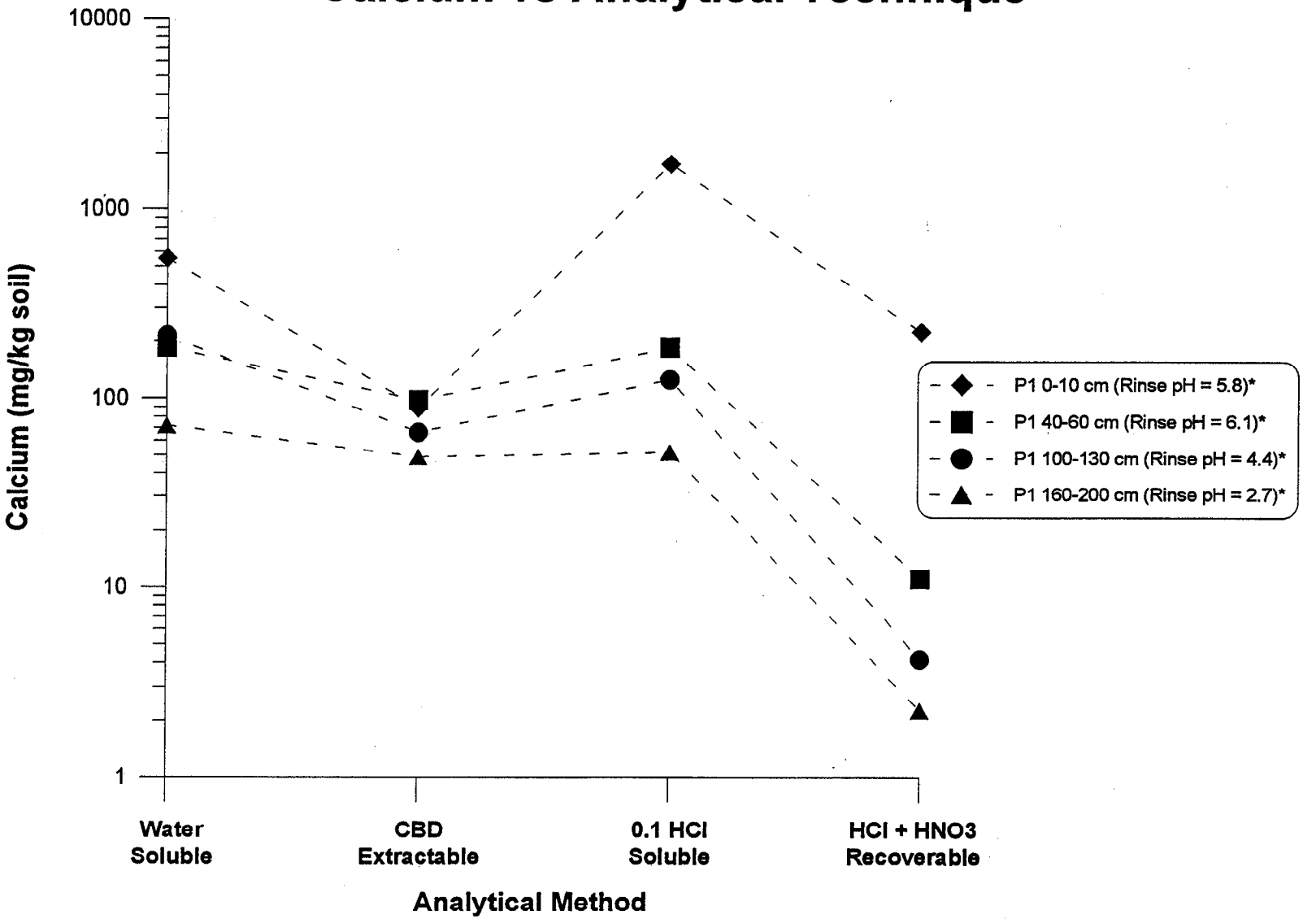
Barium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

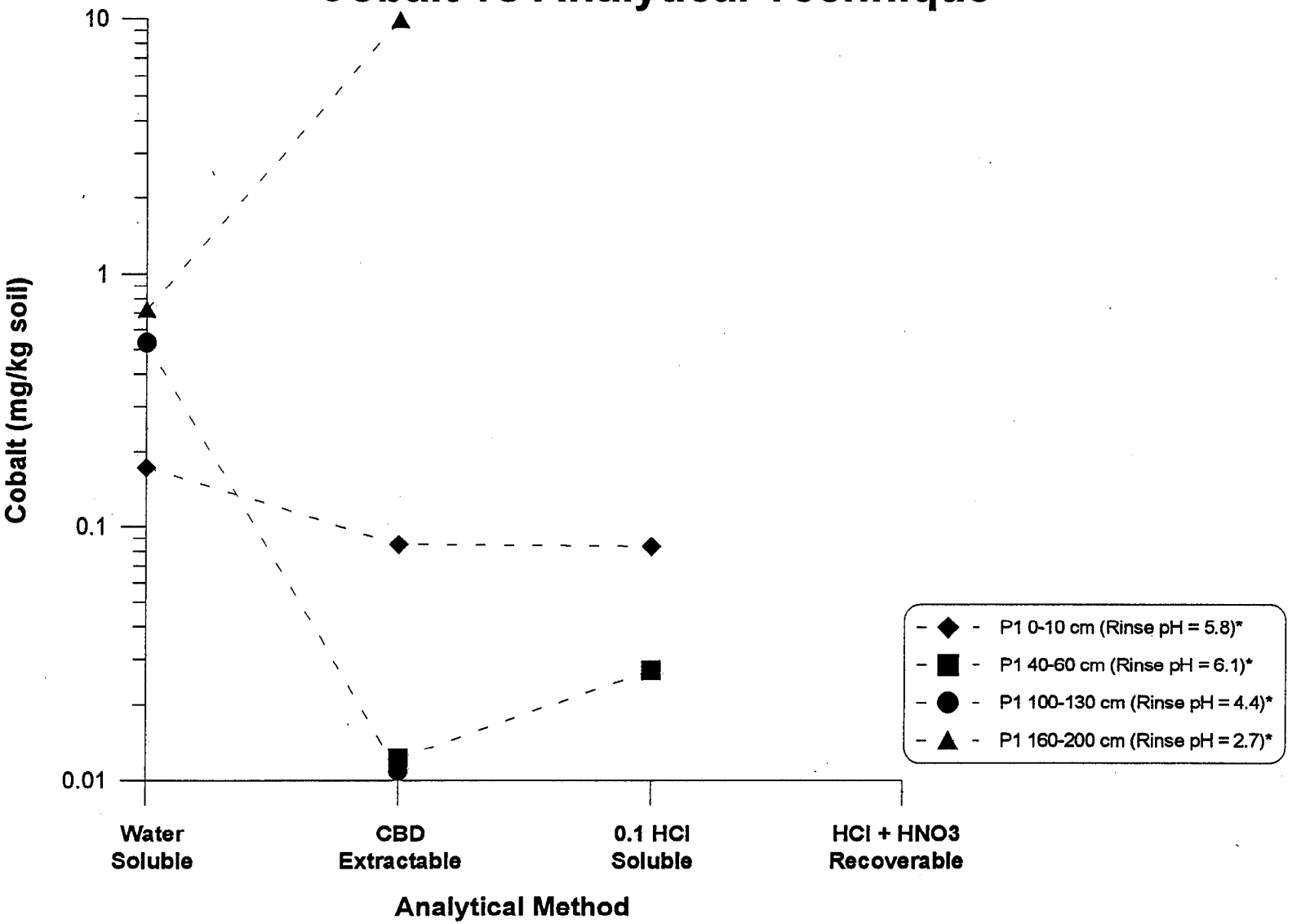
Calcium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

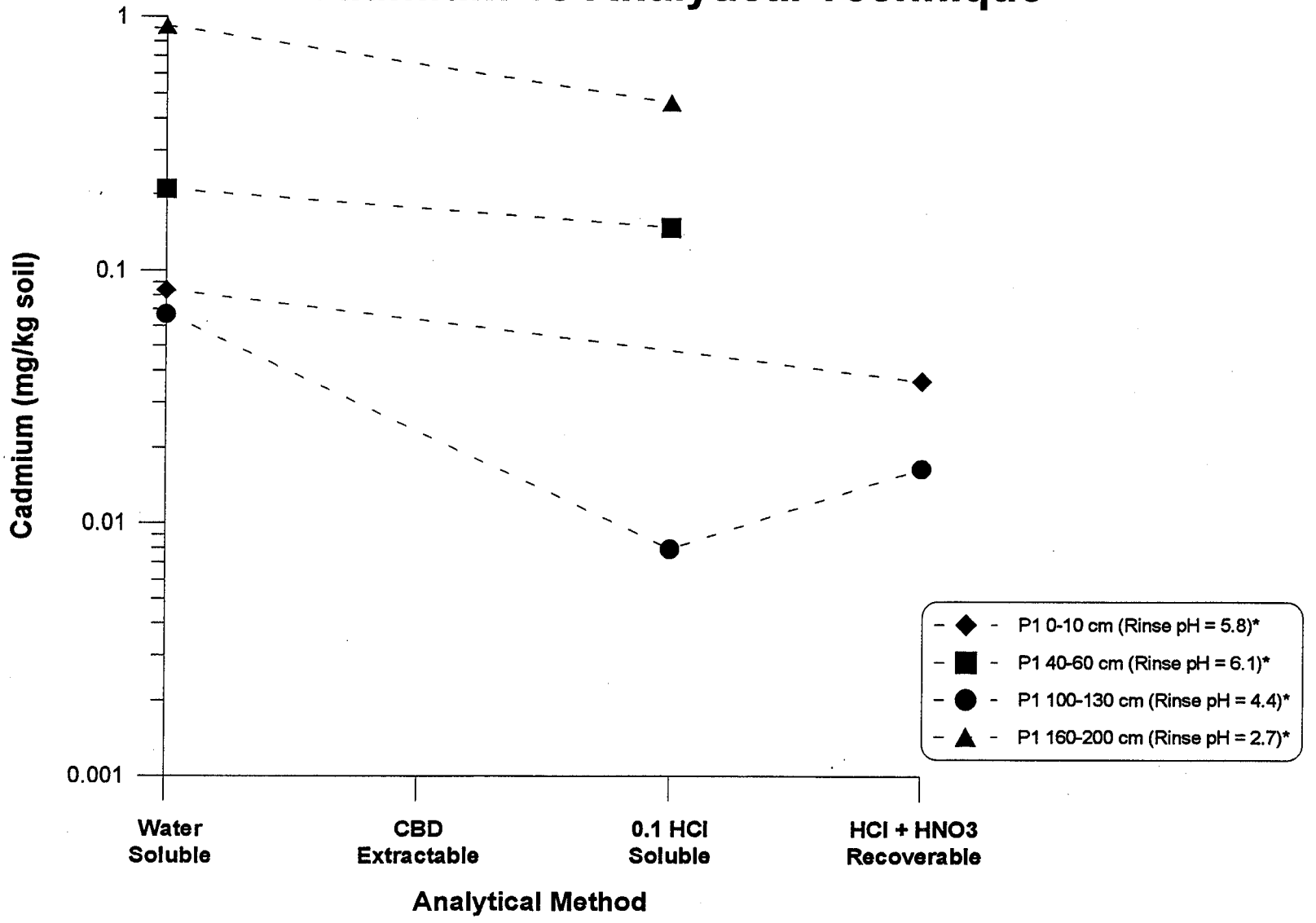
Cobalt vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

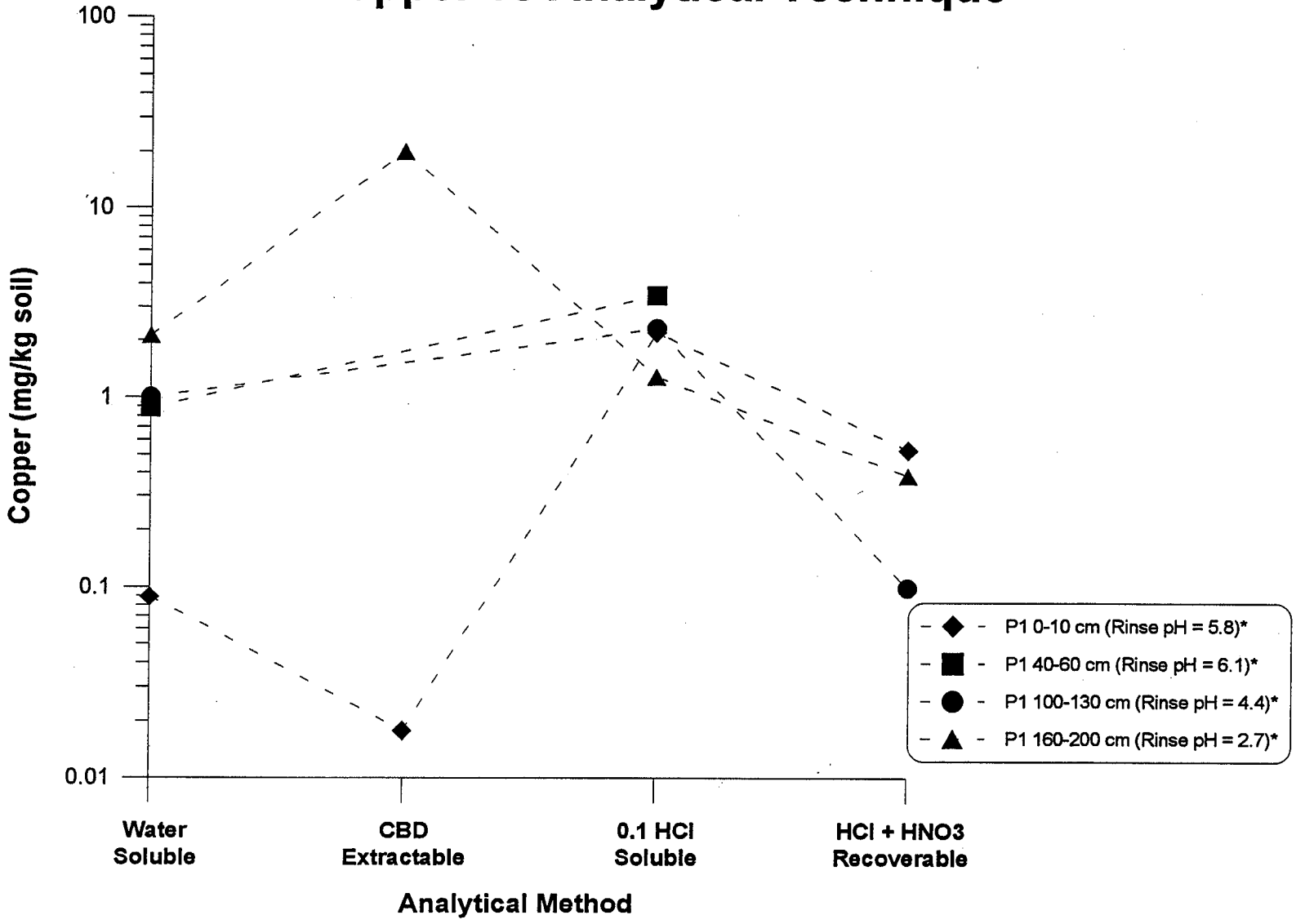
Cadmium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

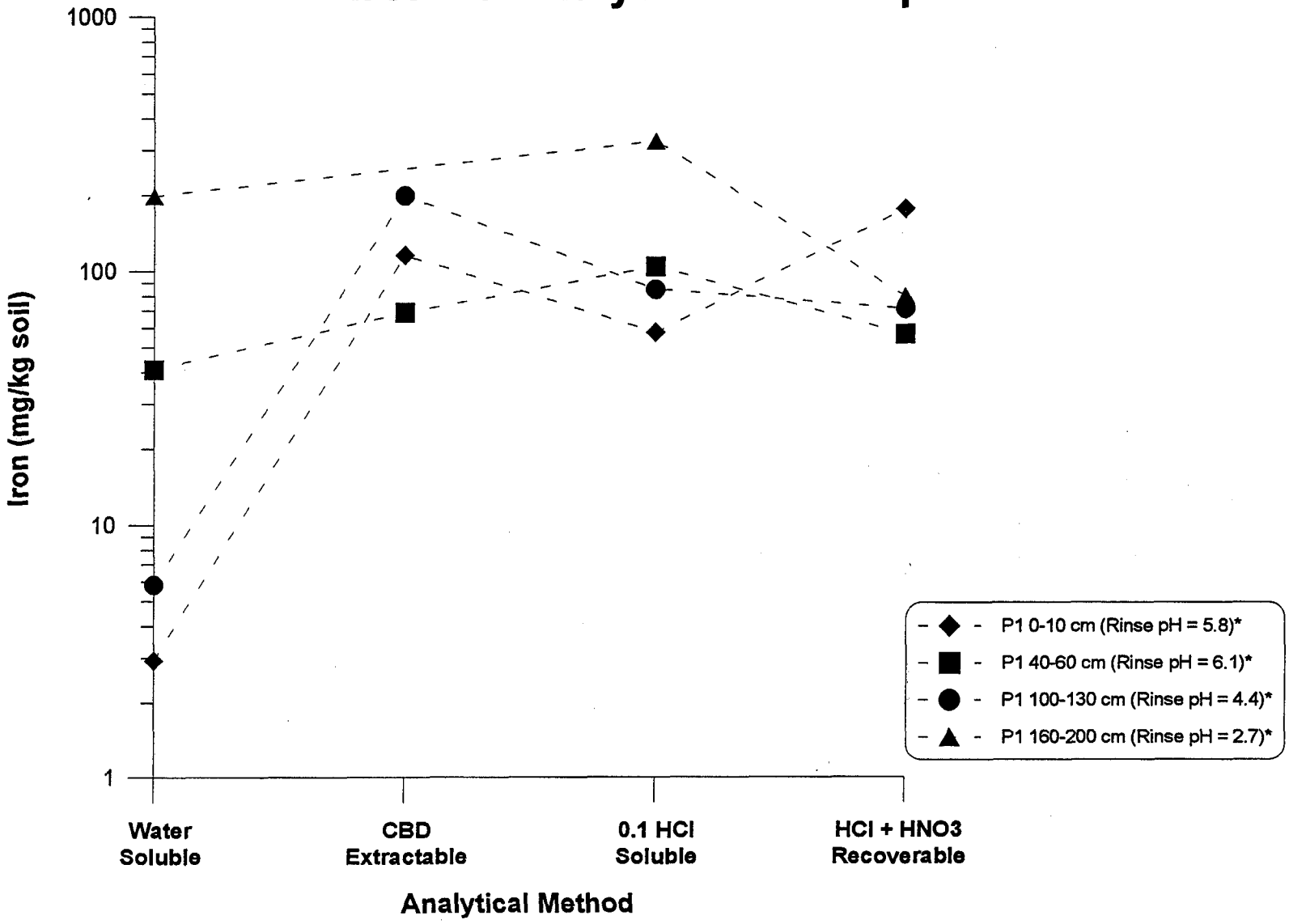
Copper vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

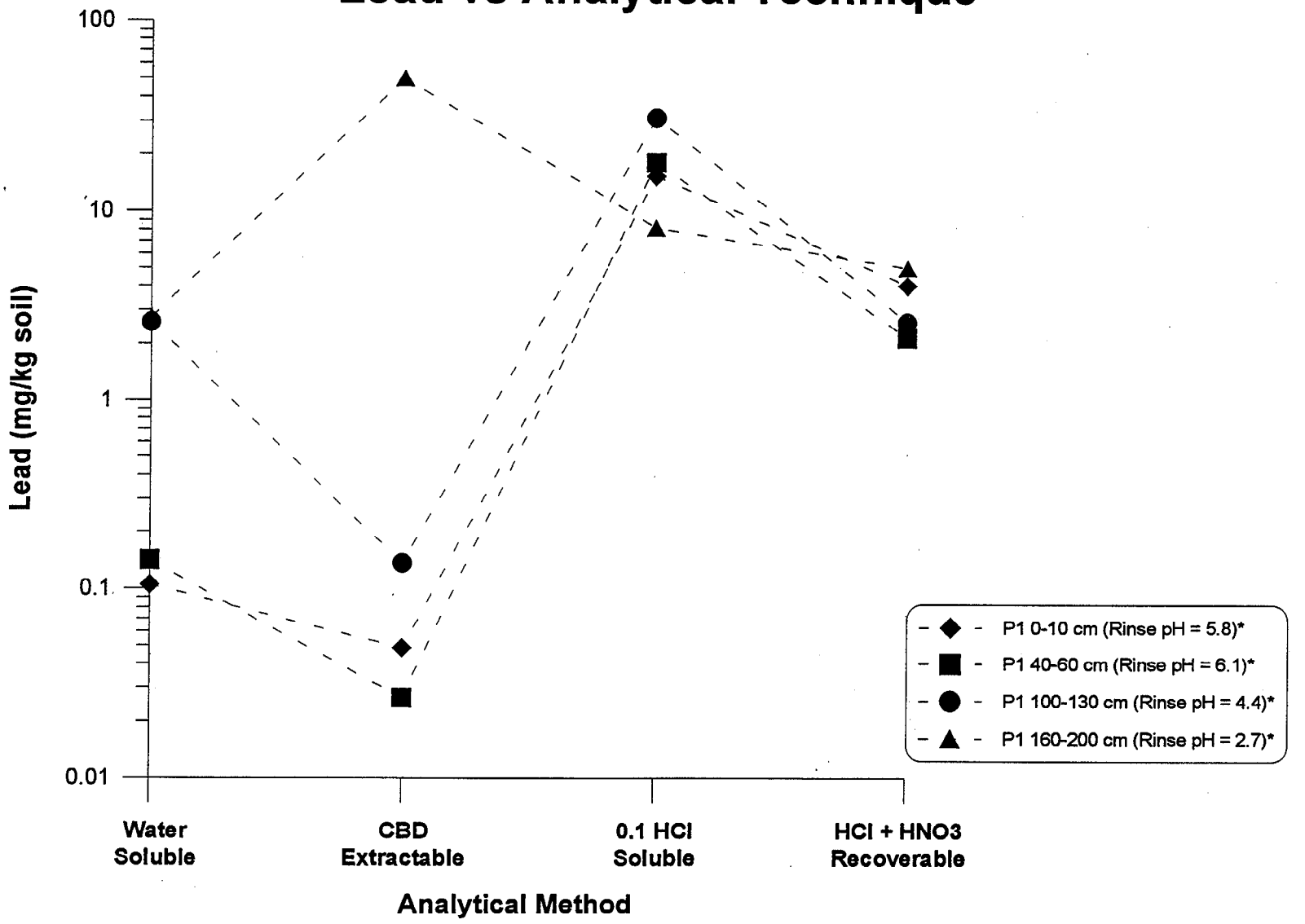
Iron vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

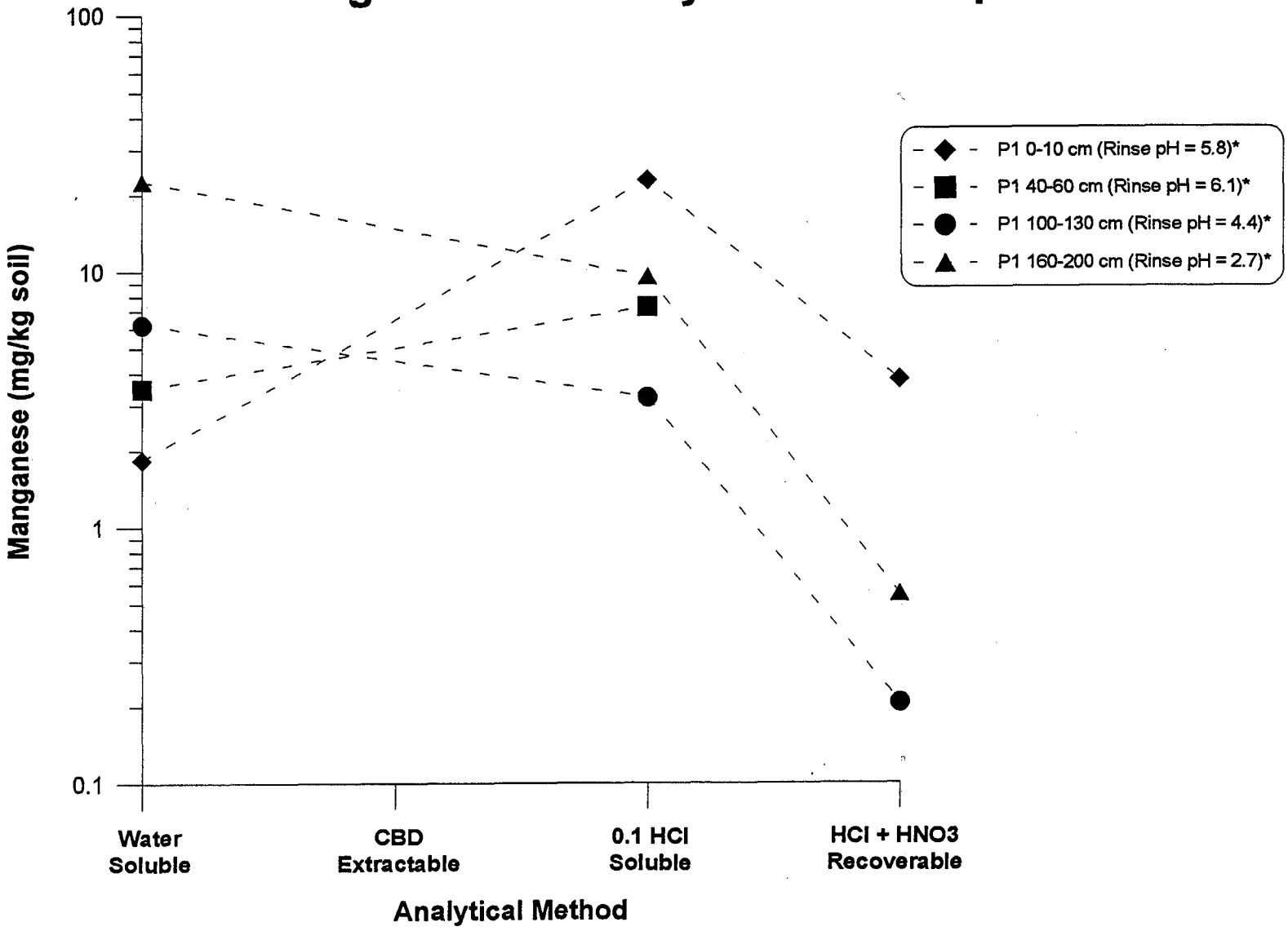
Lead vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

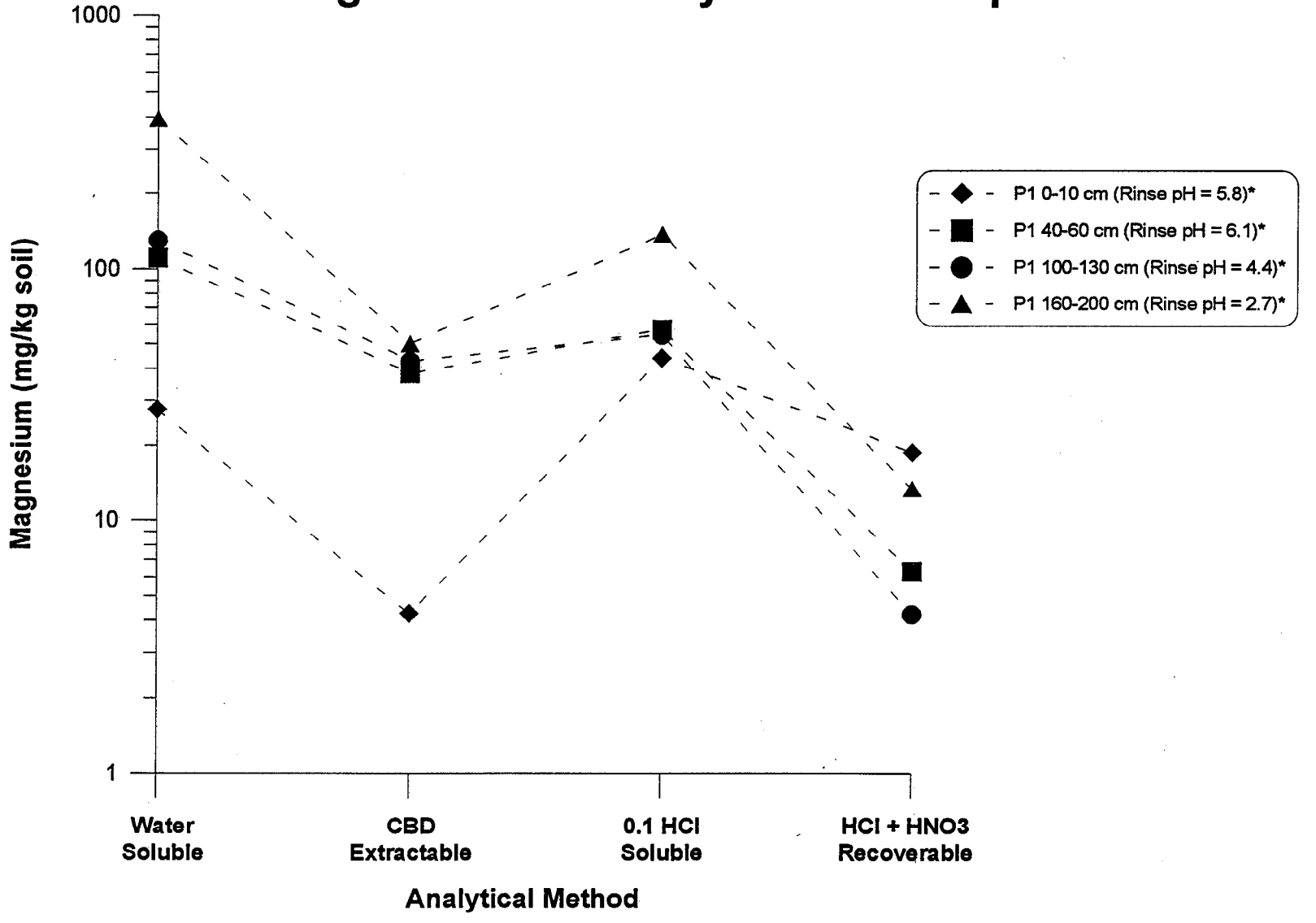
Manganese vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

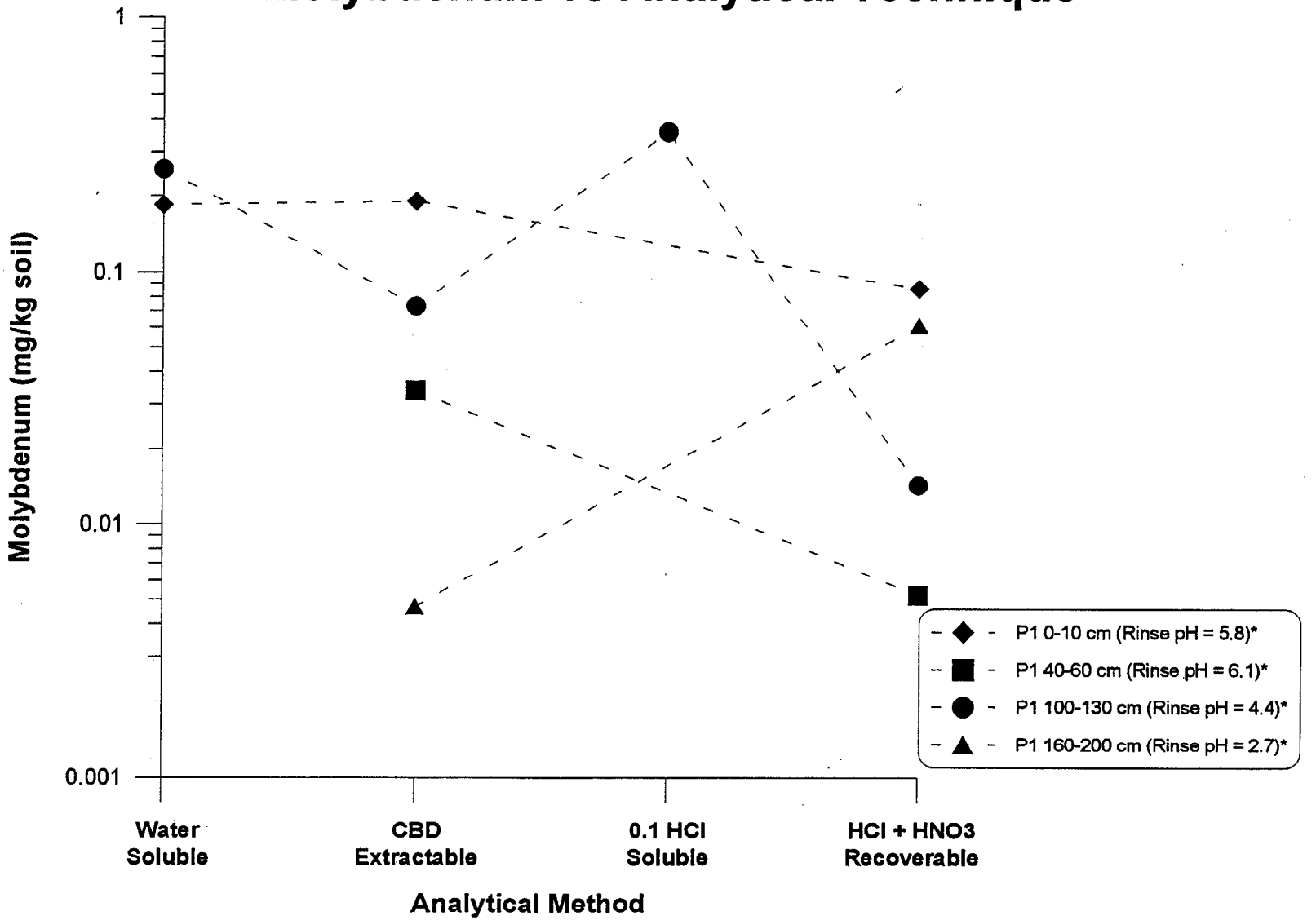
Magnesium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

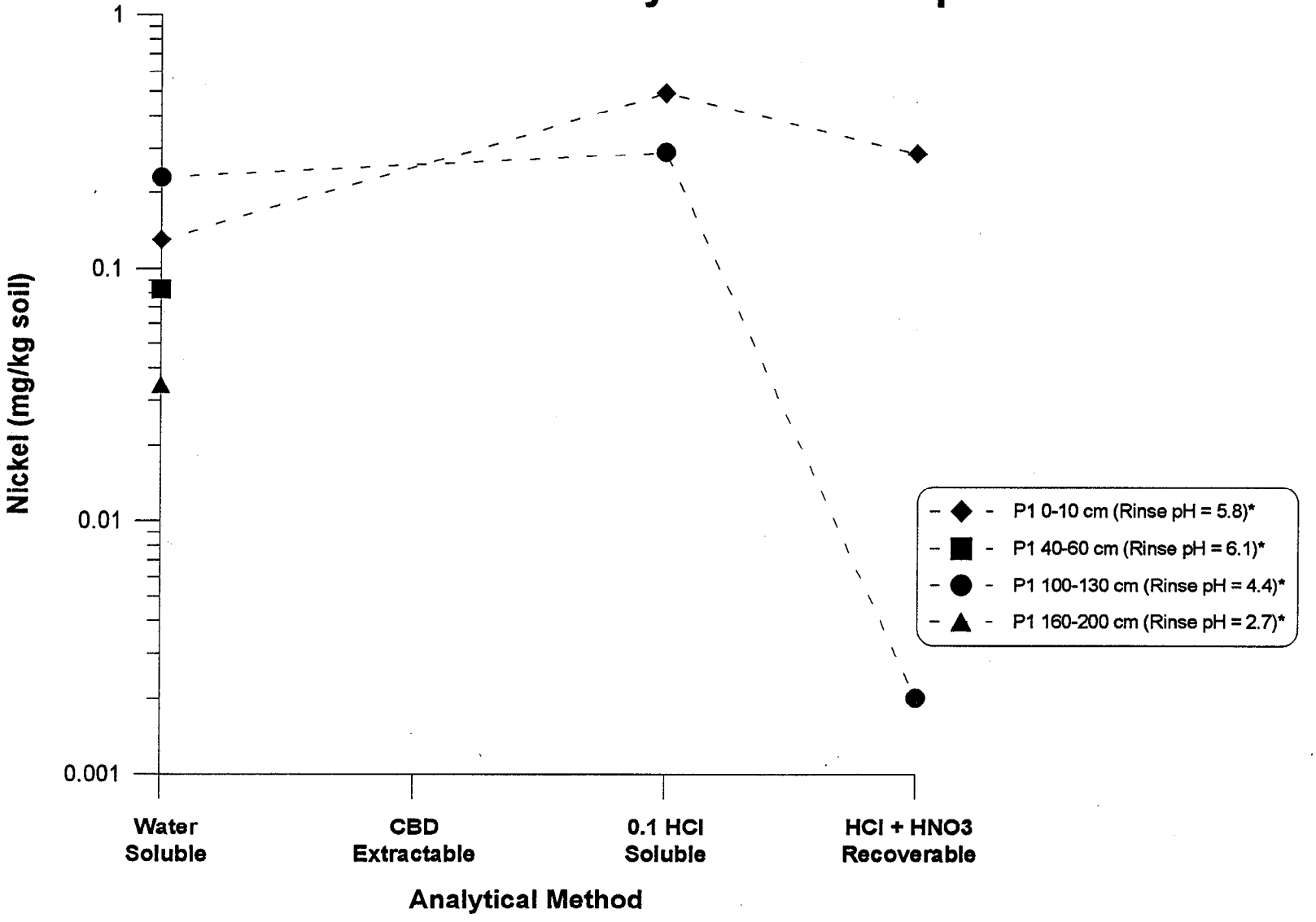
Molybdenum vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

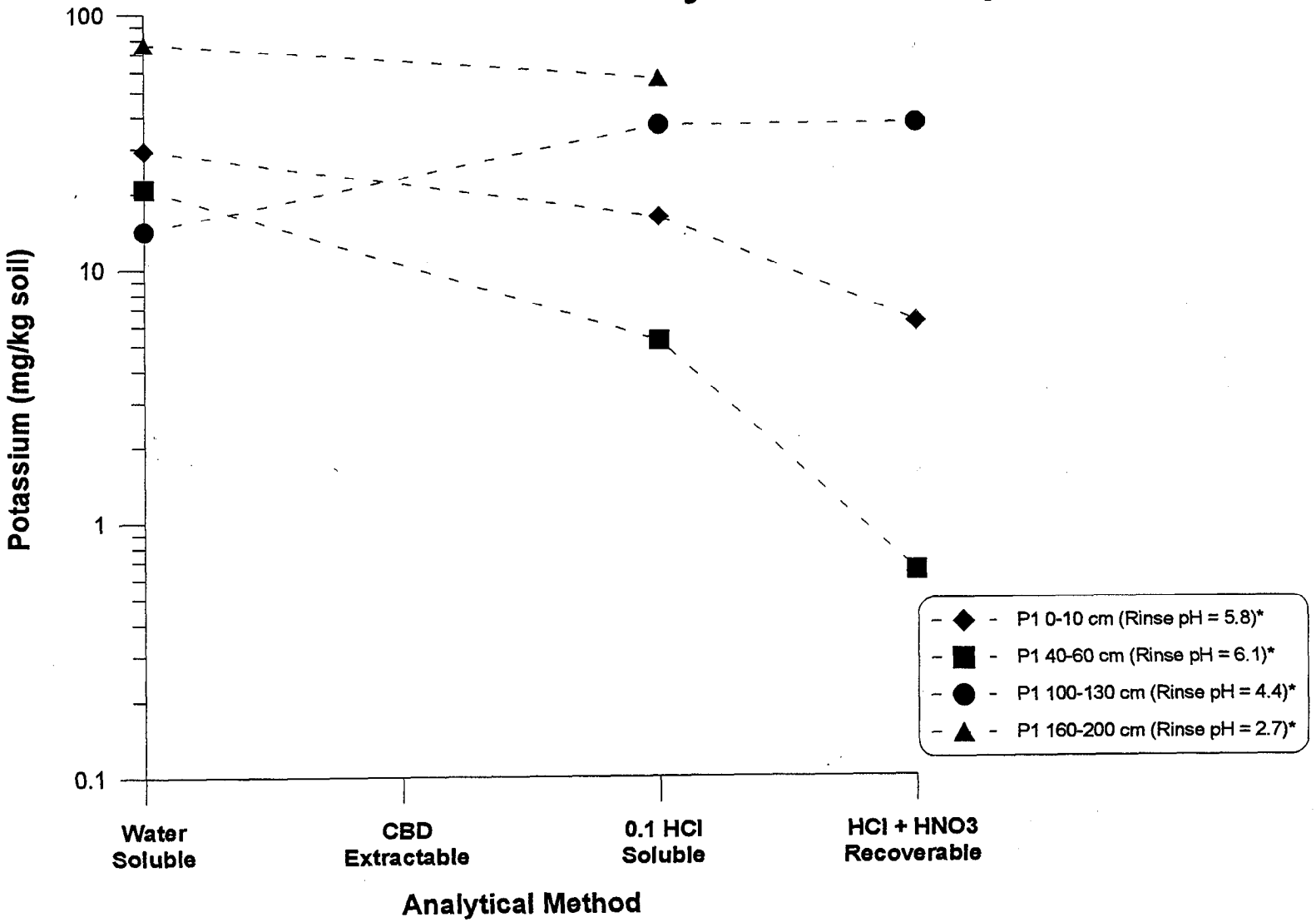
Nickel vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

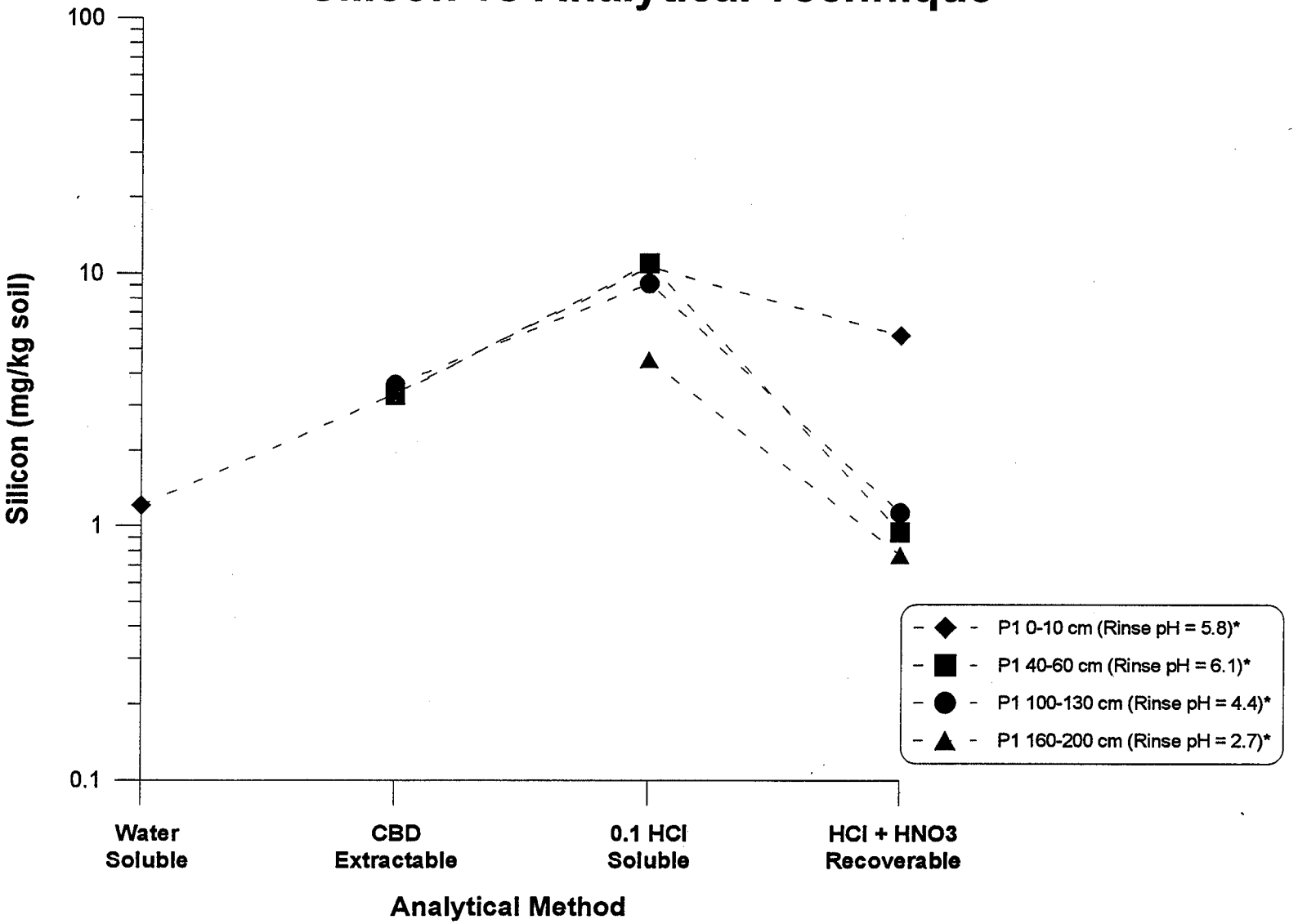
Potassium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

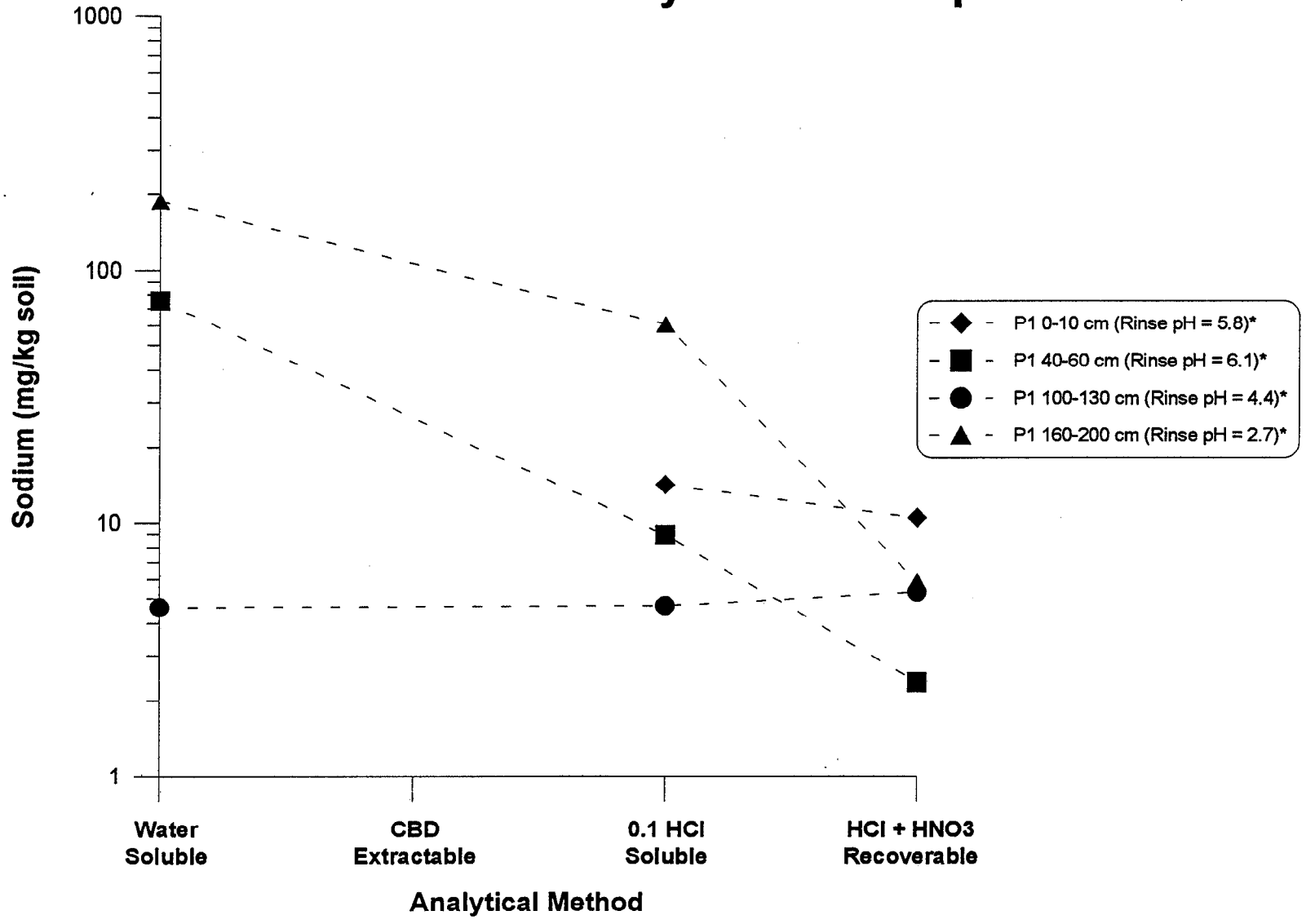
Silicon vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

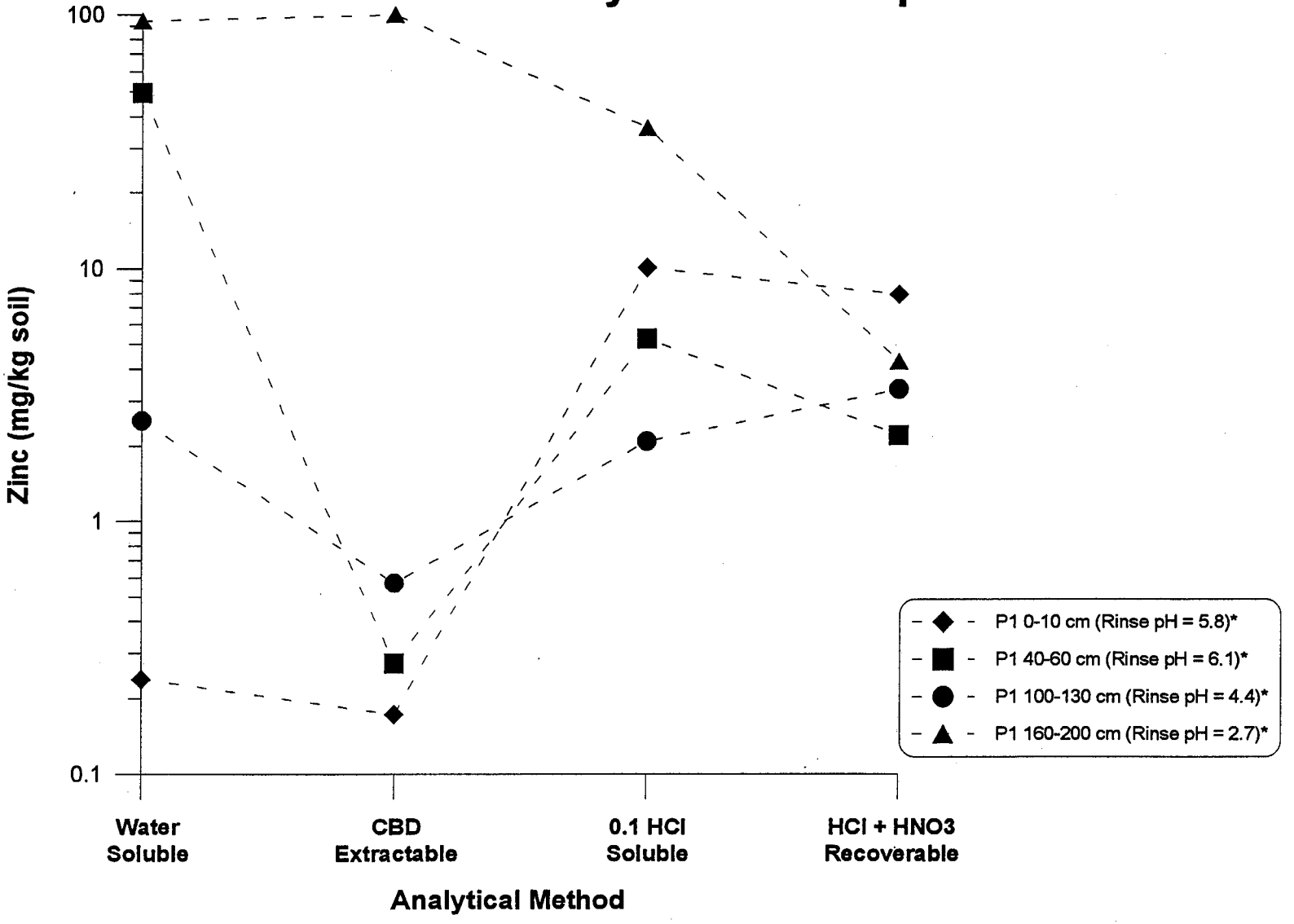
Sodium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

Zinc vs Analytical Technique

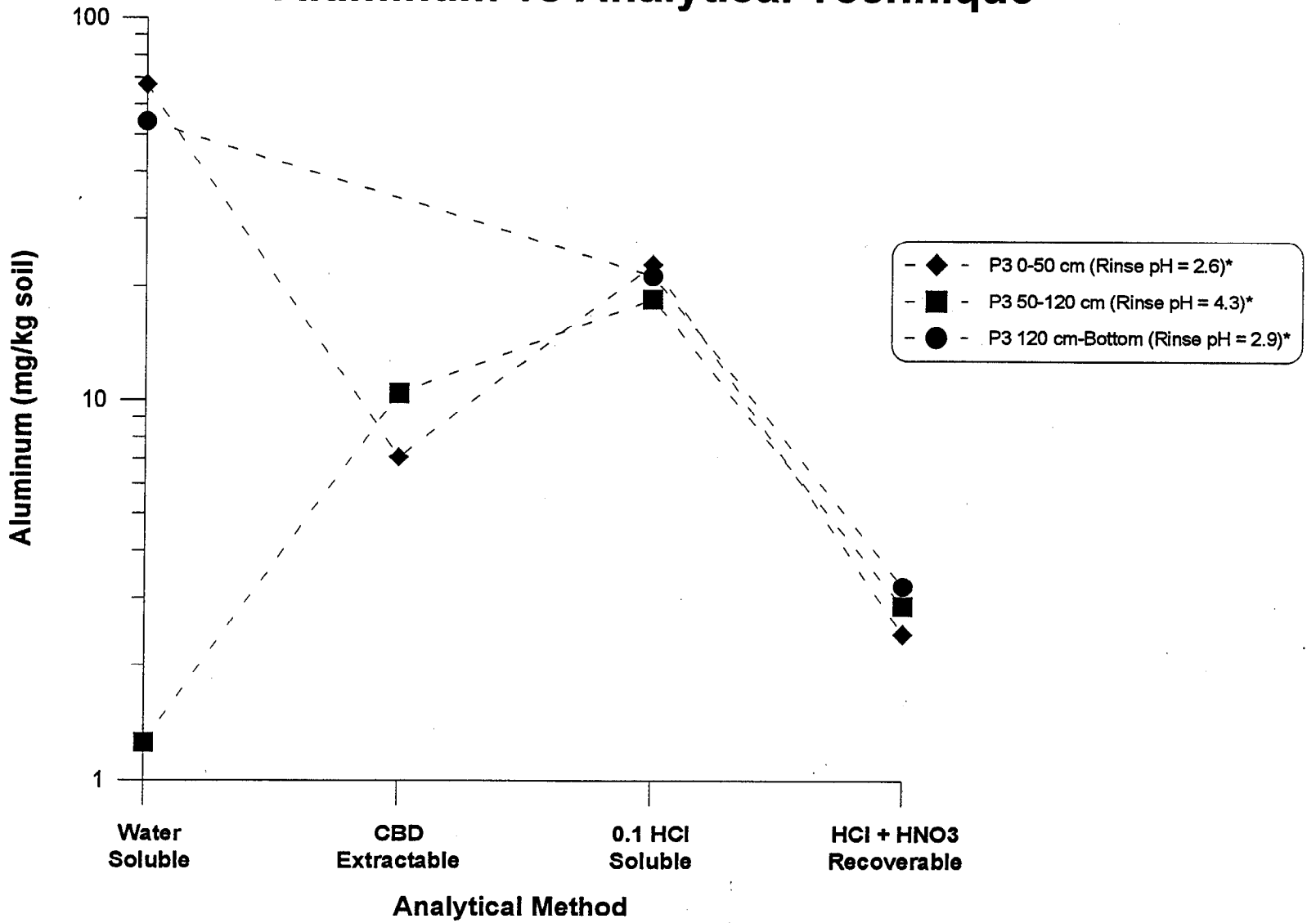


E6.2 Profile #3

MDA Waste Rock Project

< 2 mm Size Fraction

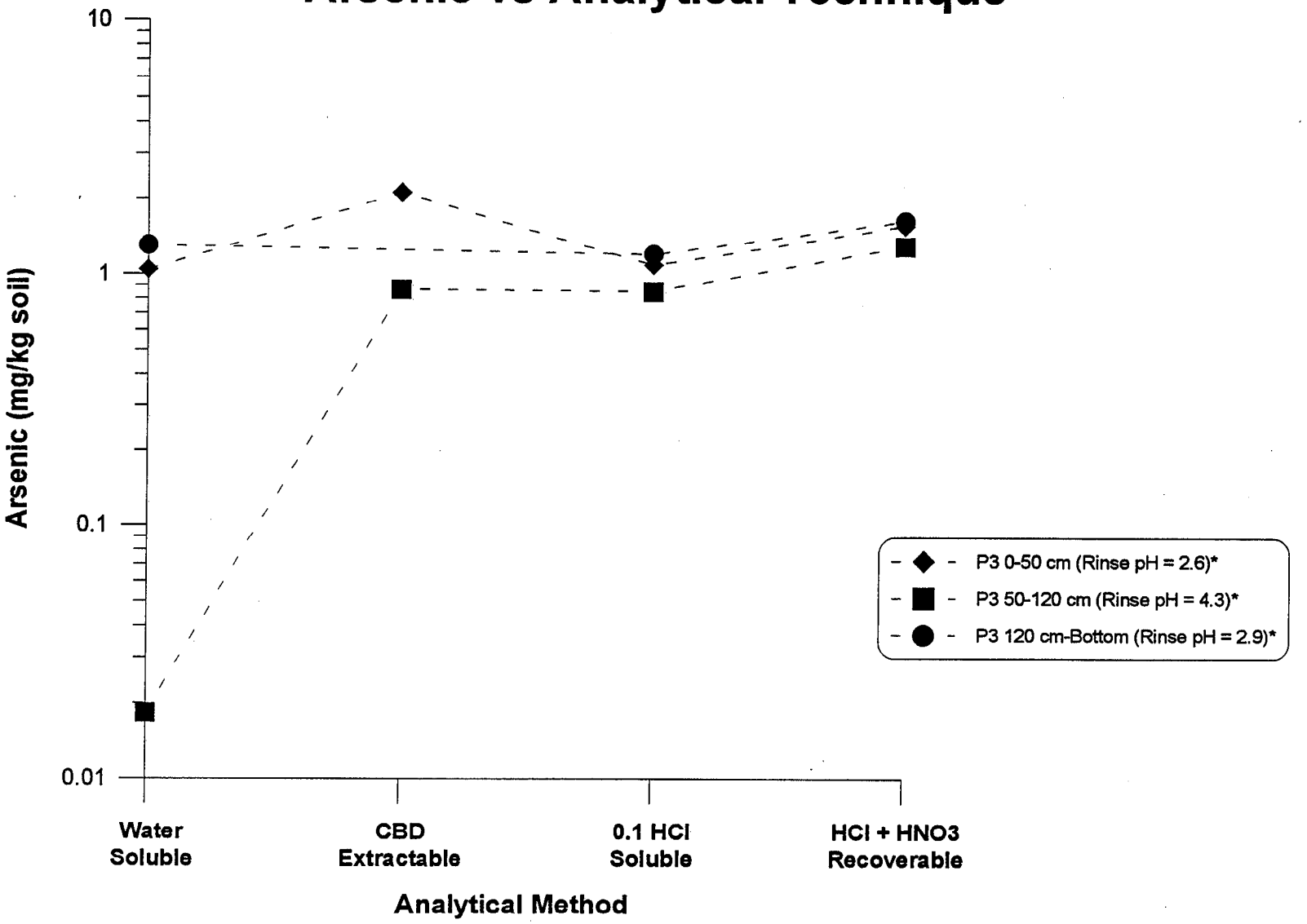
Aluminum vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

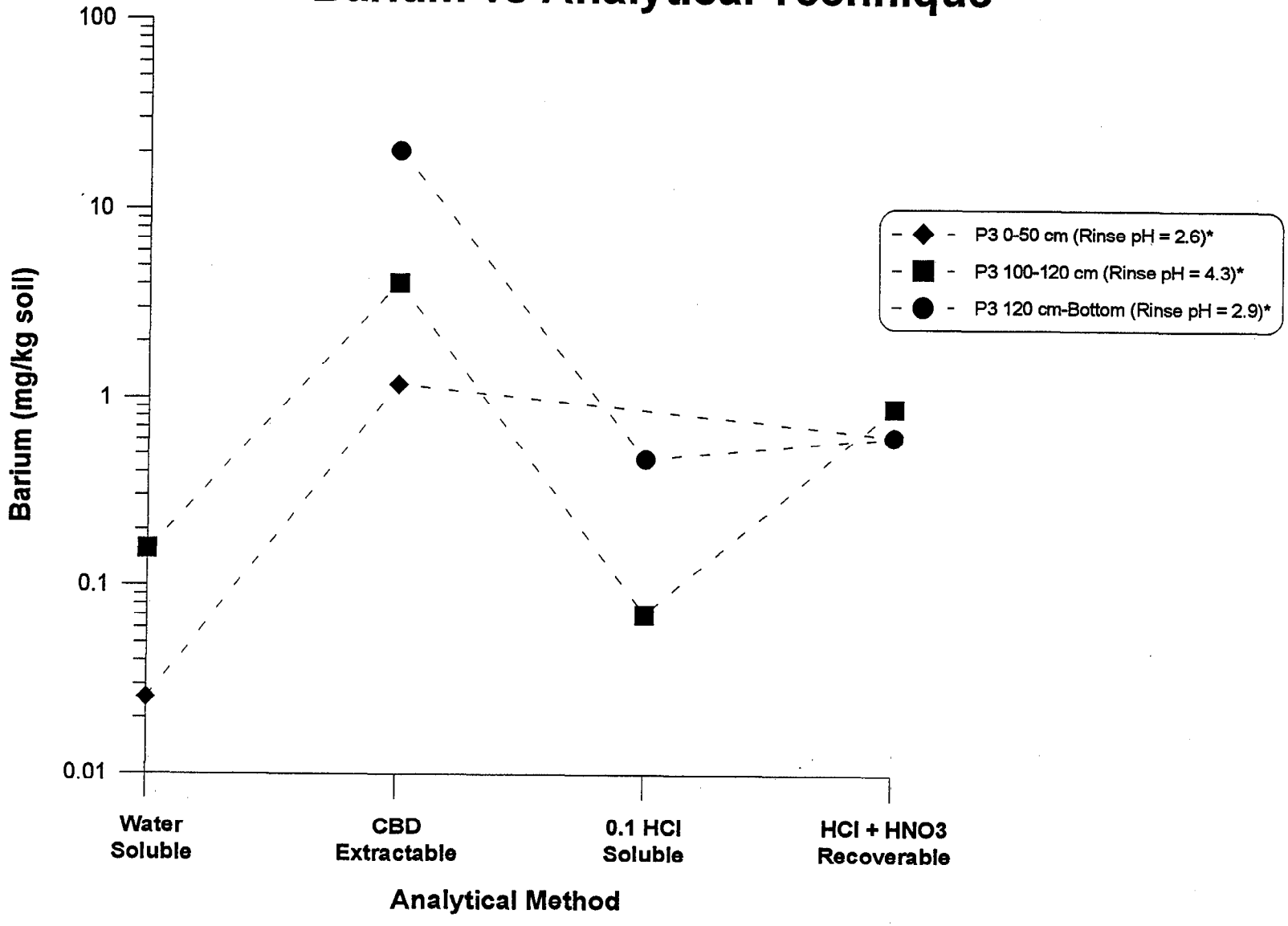
Arsenic vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

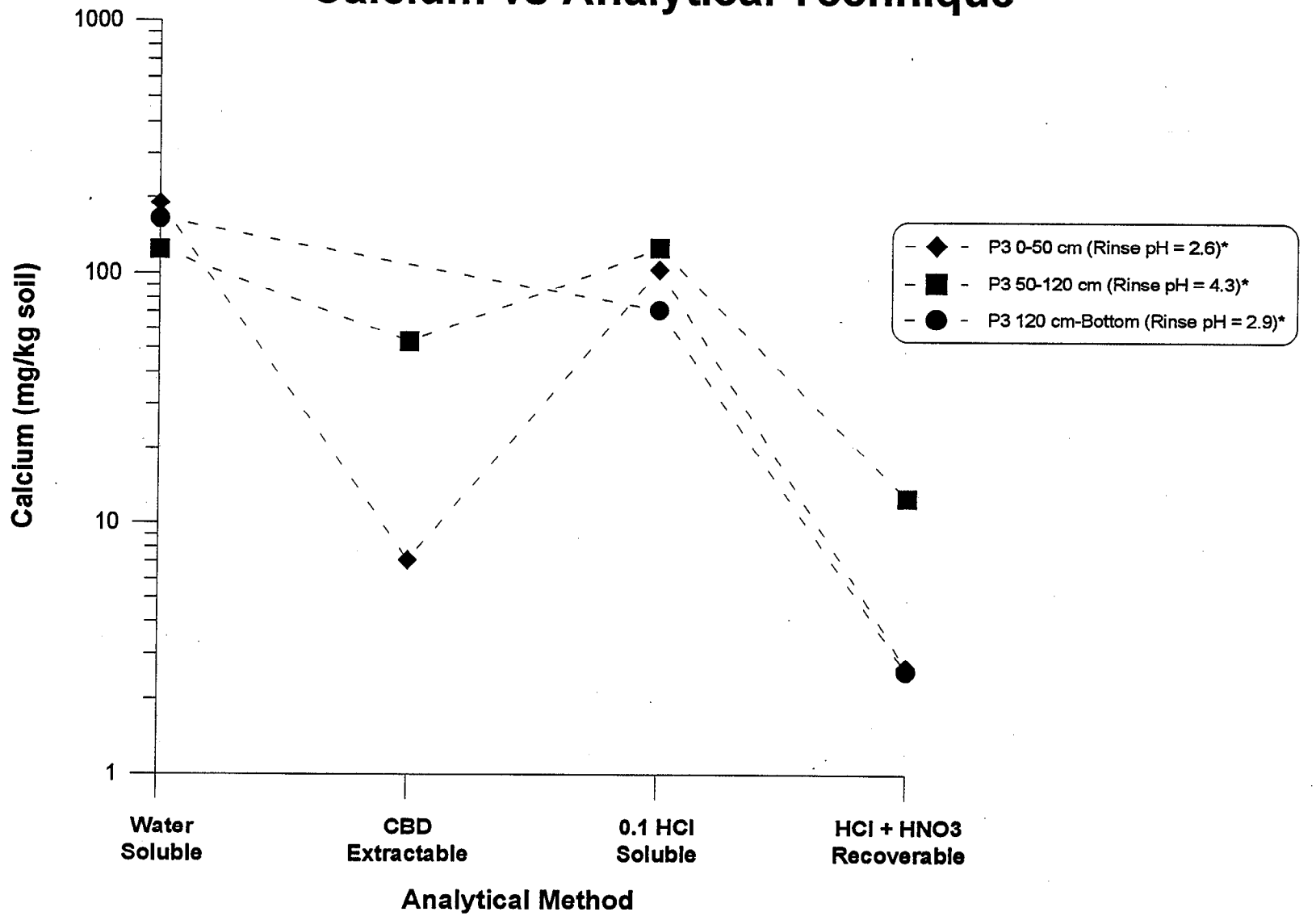
Barium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

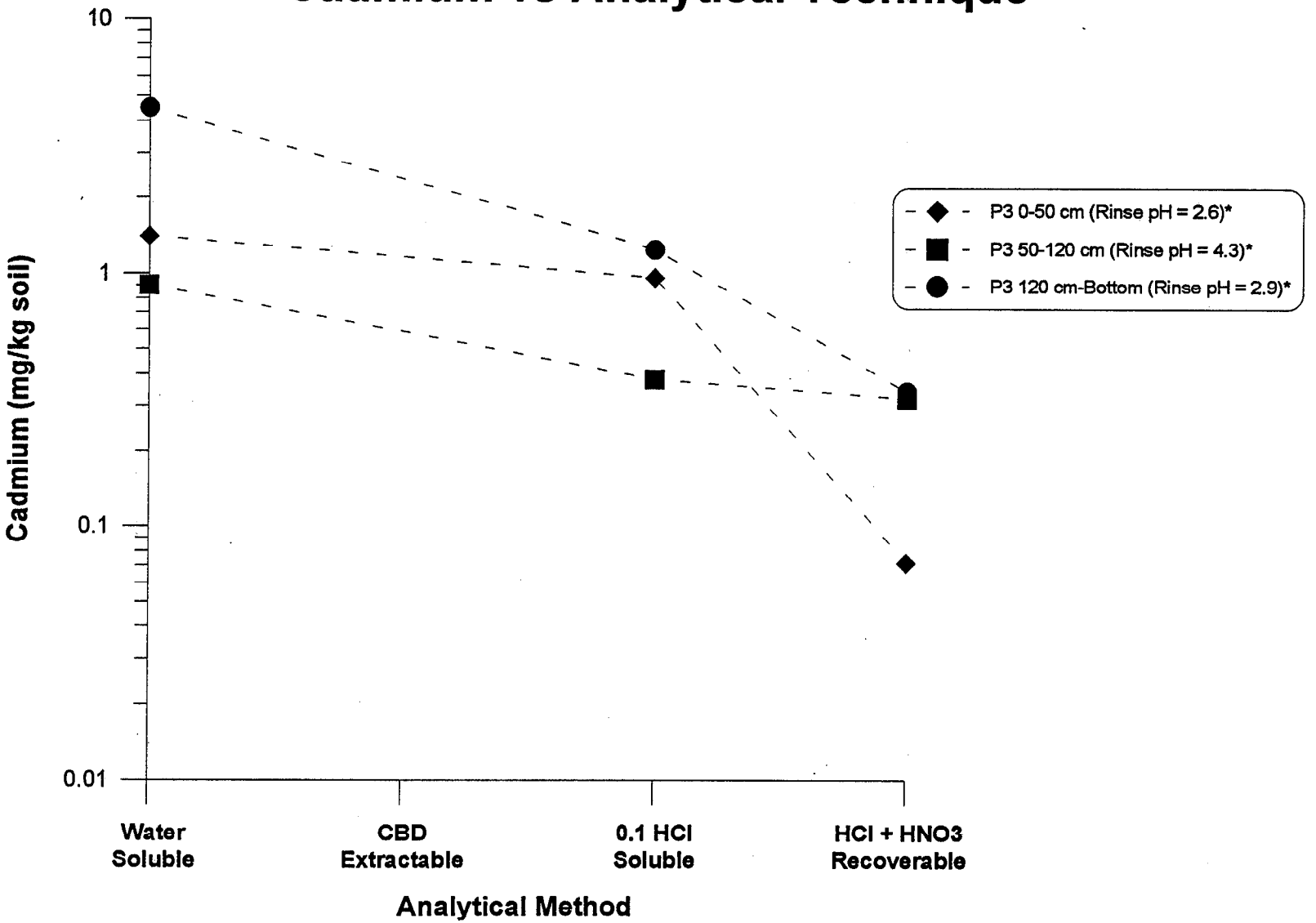
Calcium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

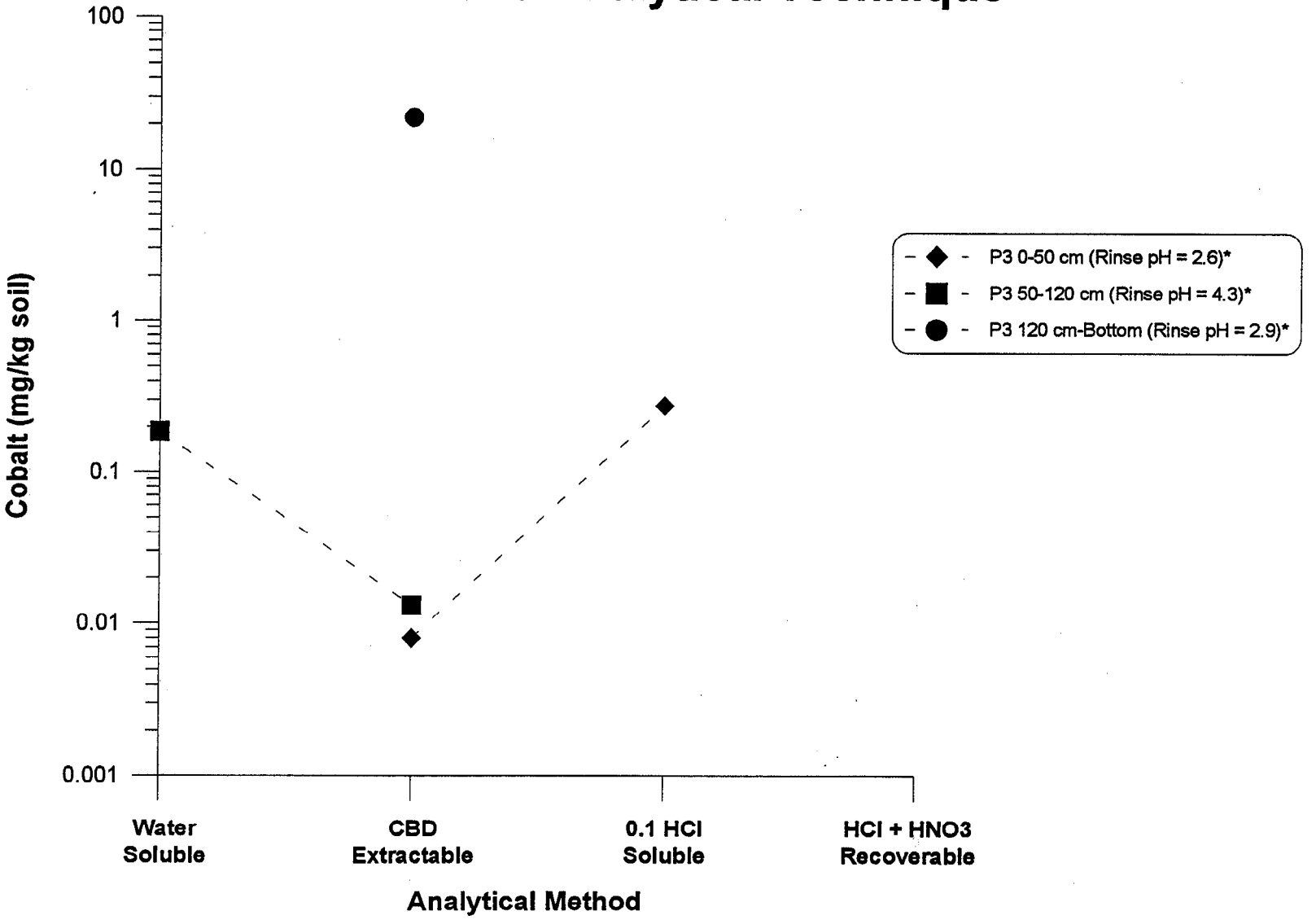
Cadmium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

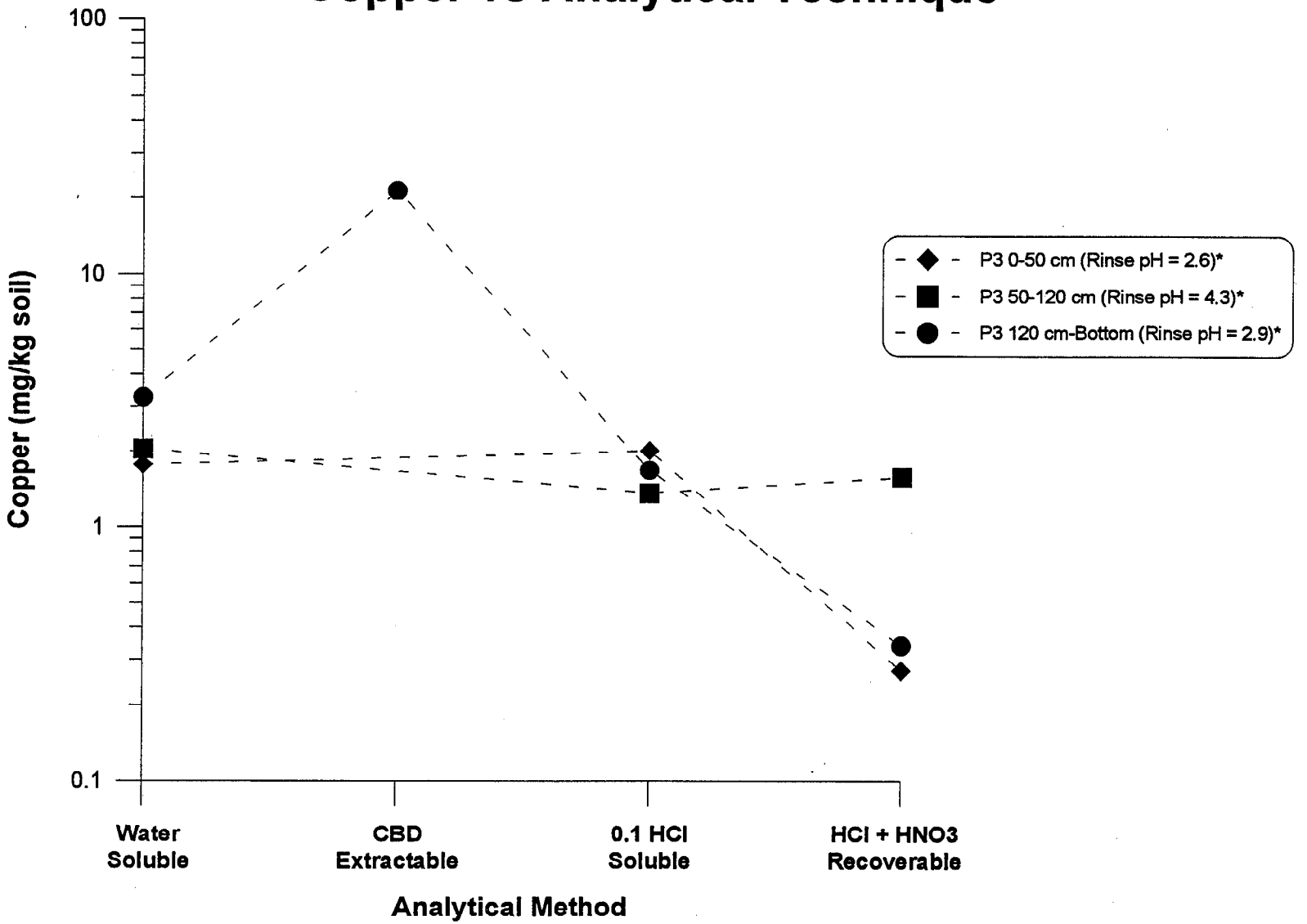
Cobalt vs Analytical Technique



MDA Waste Rock Project

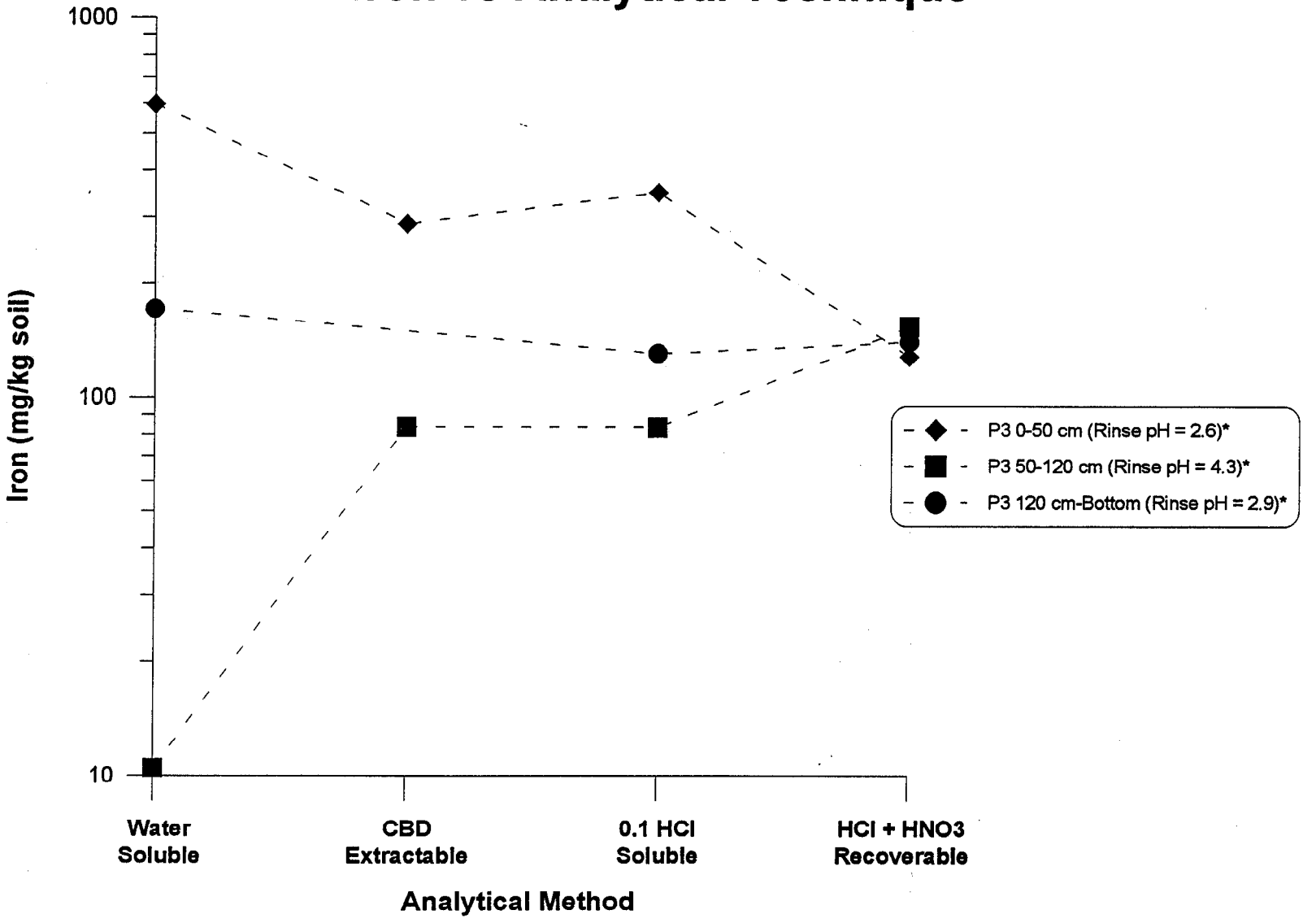
< 2 mm Size Fraction

Copper vs Analytical Technique



MDA Waste Rock Project

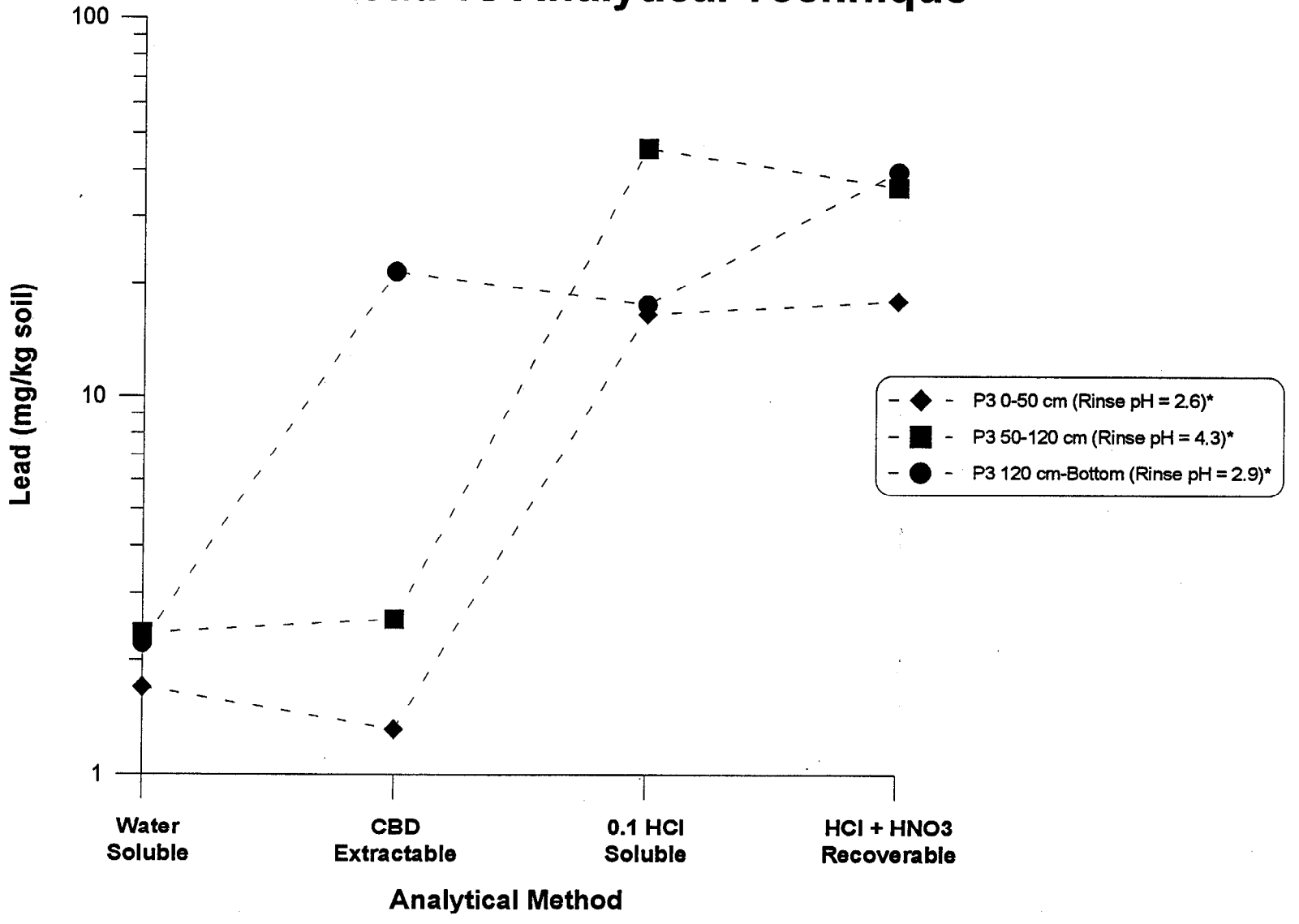
< 2 mm Size Fraction
Iron vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

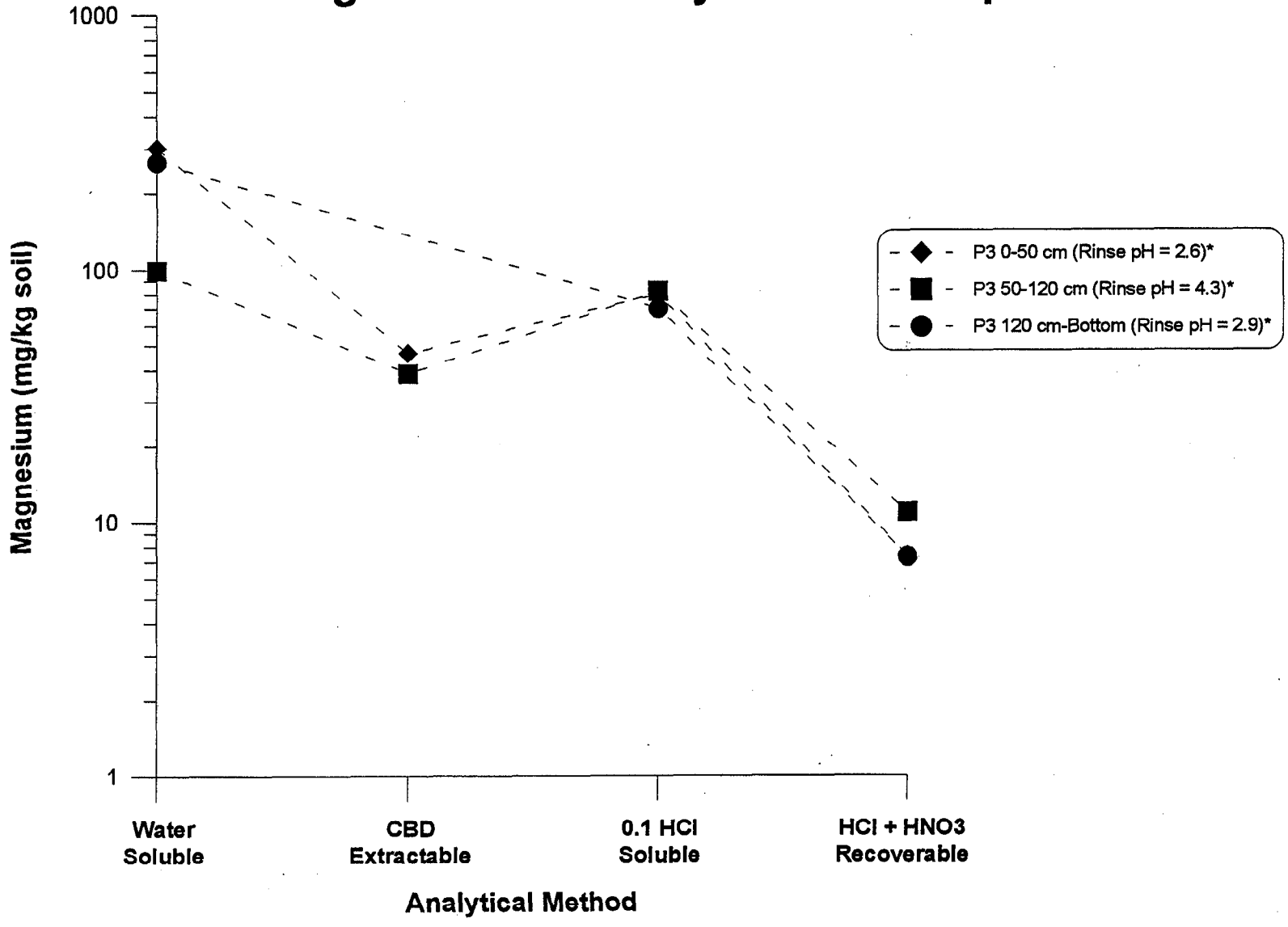
Lead vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

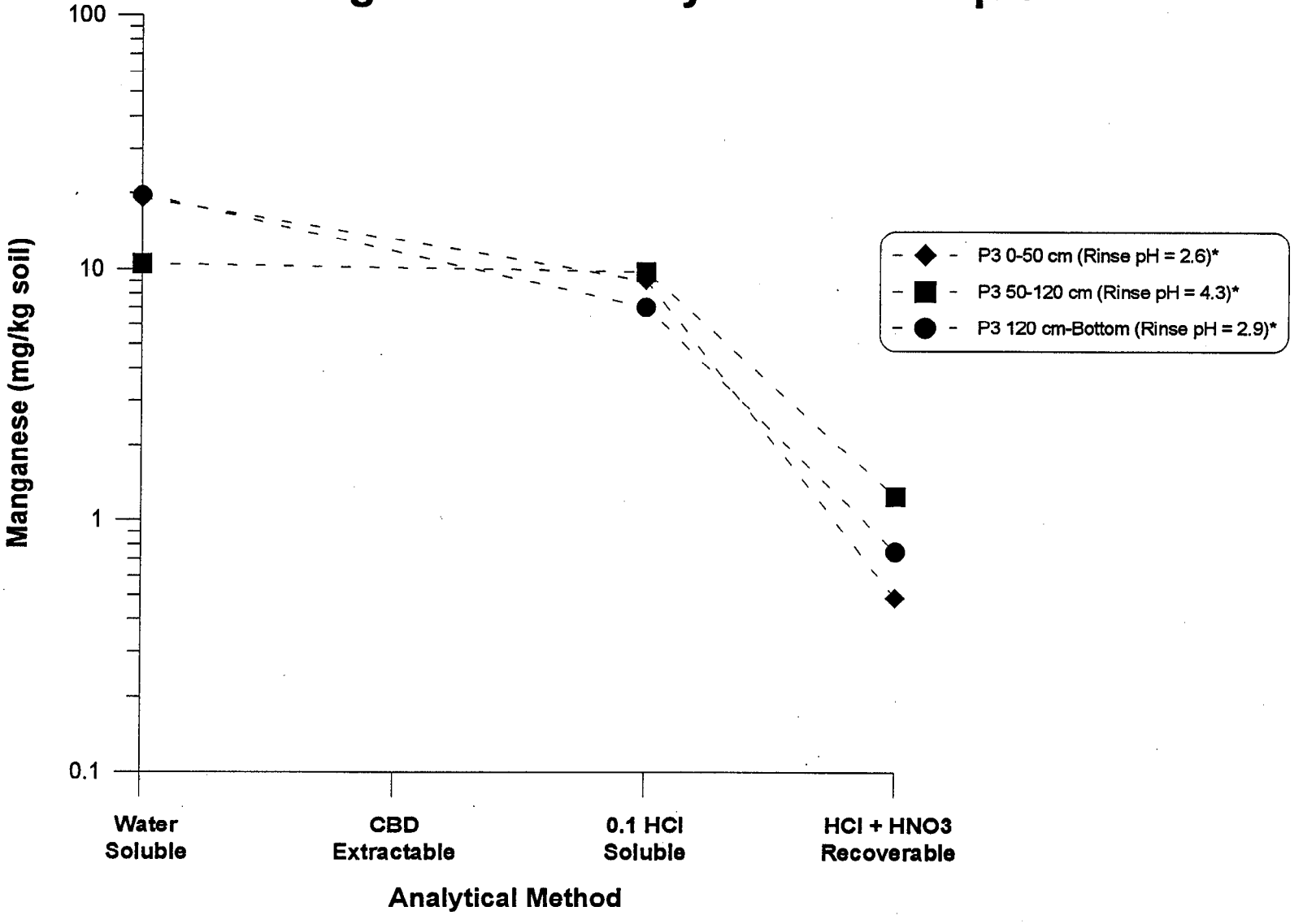
Magnesium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

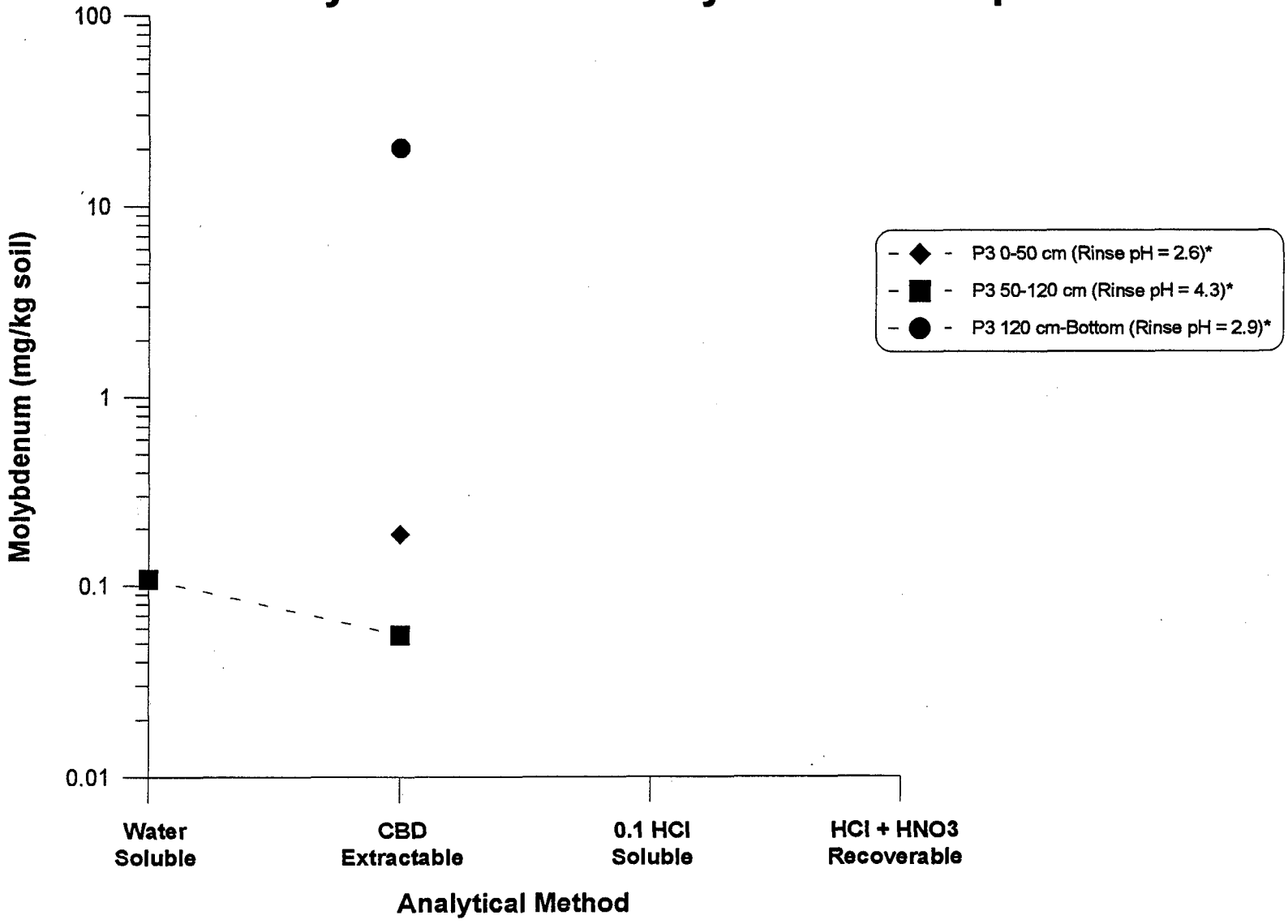
Manganese vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

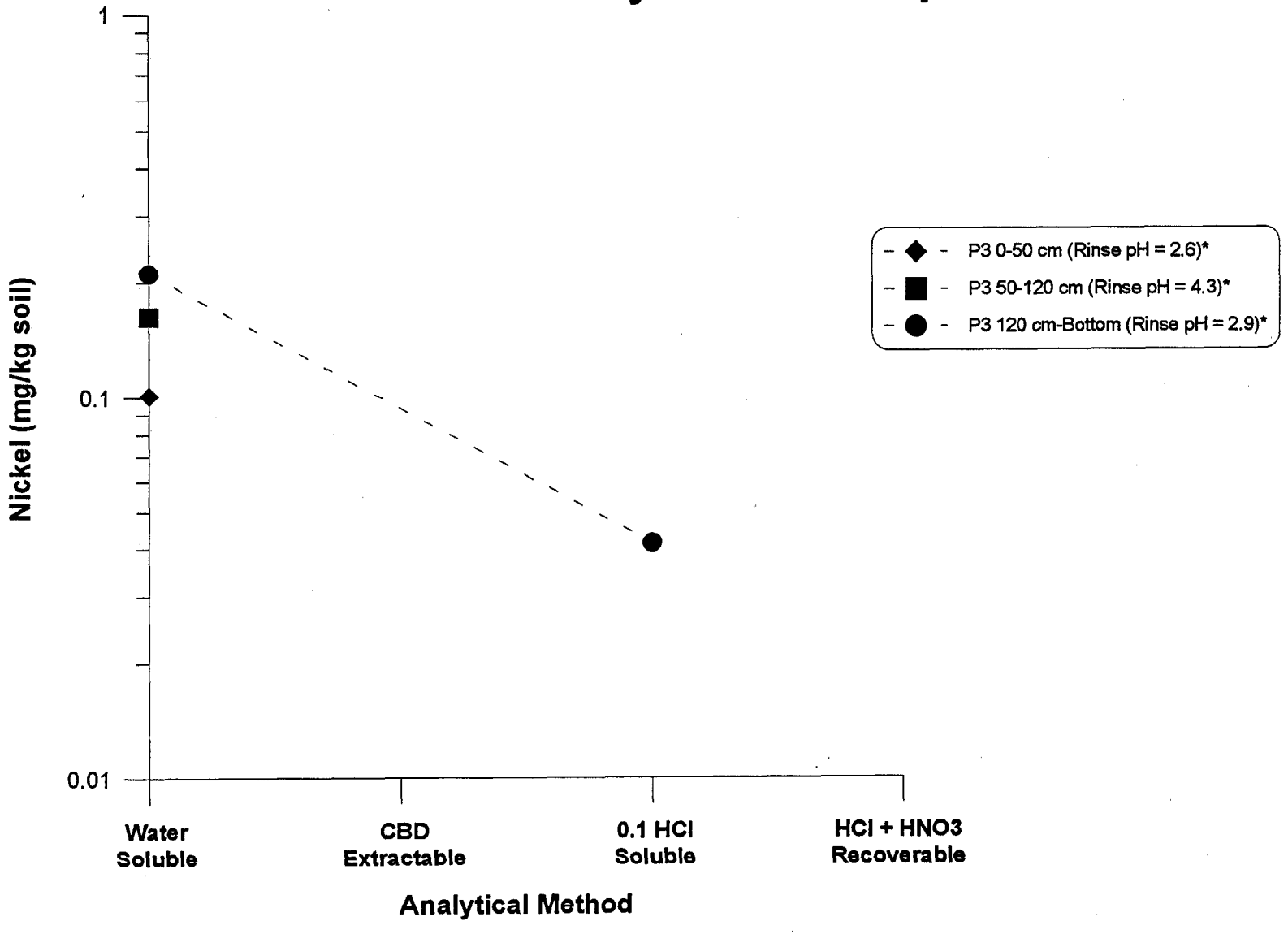
Molybdenum vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

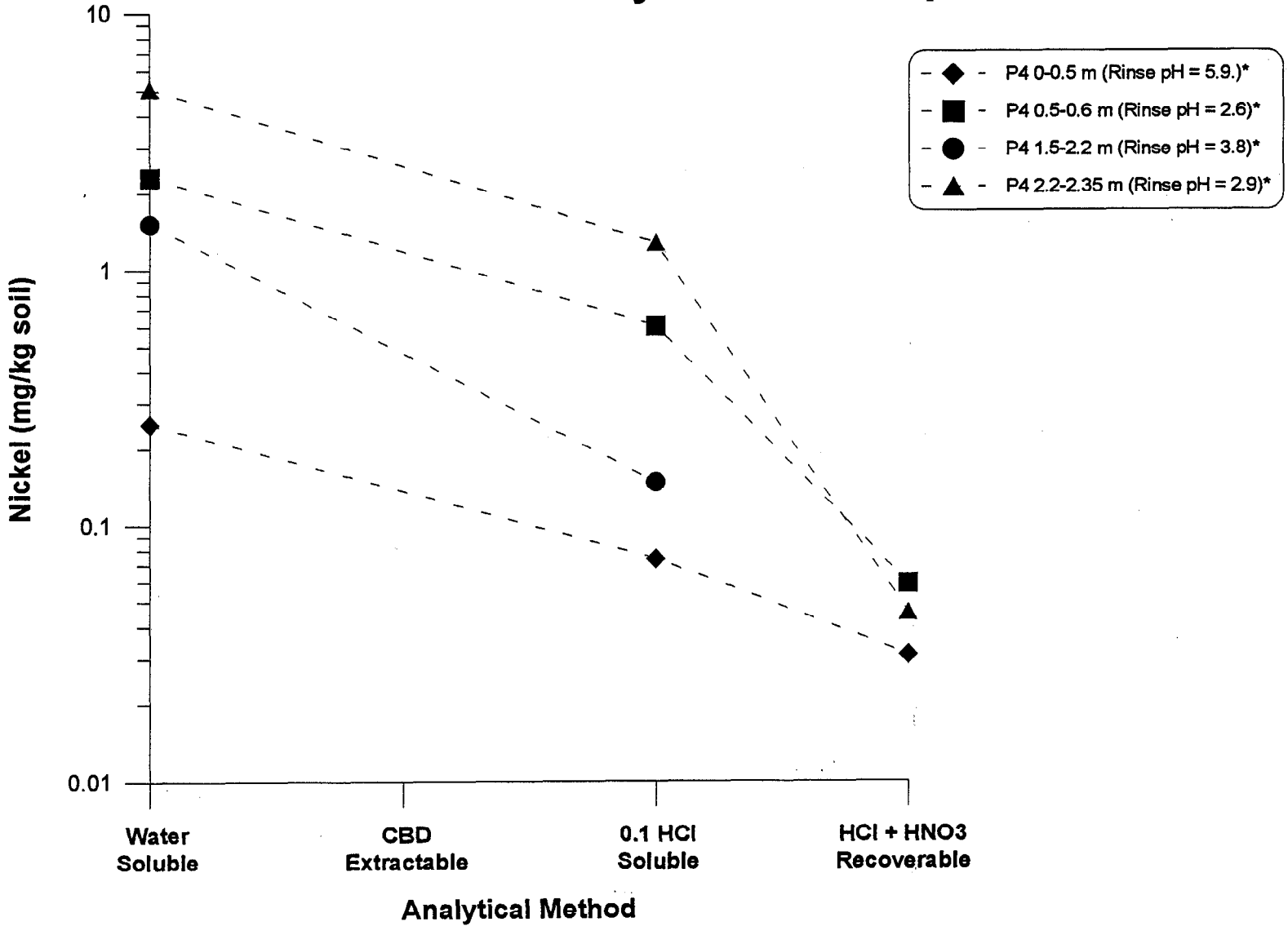
Nickel vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

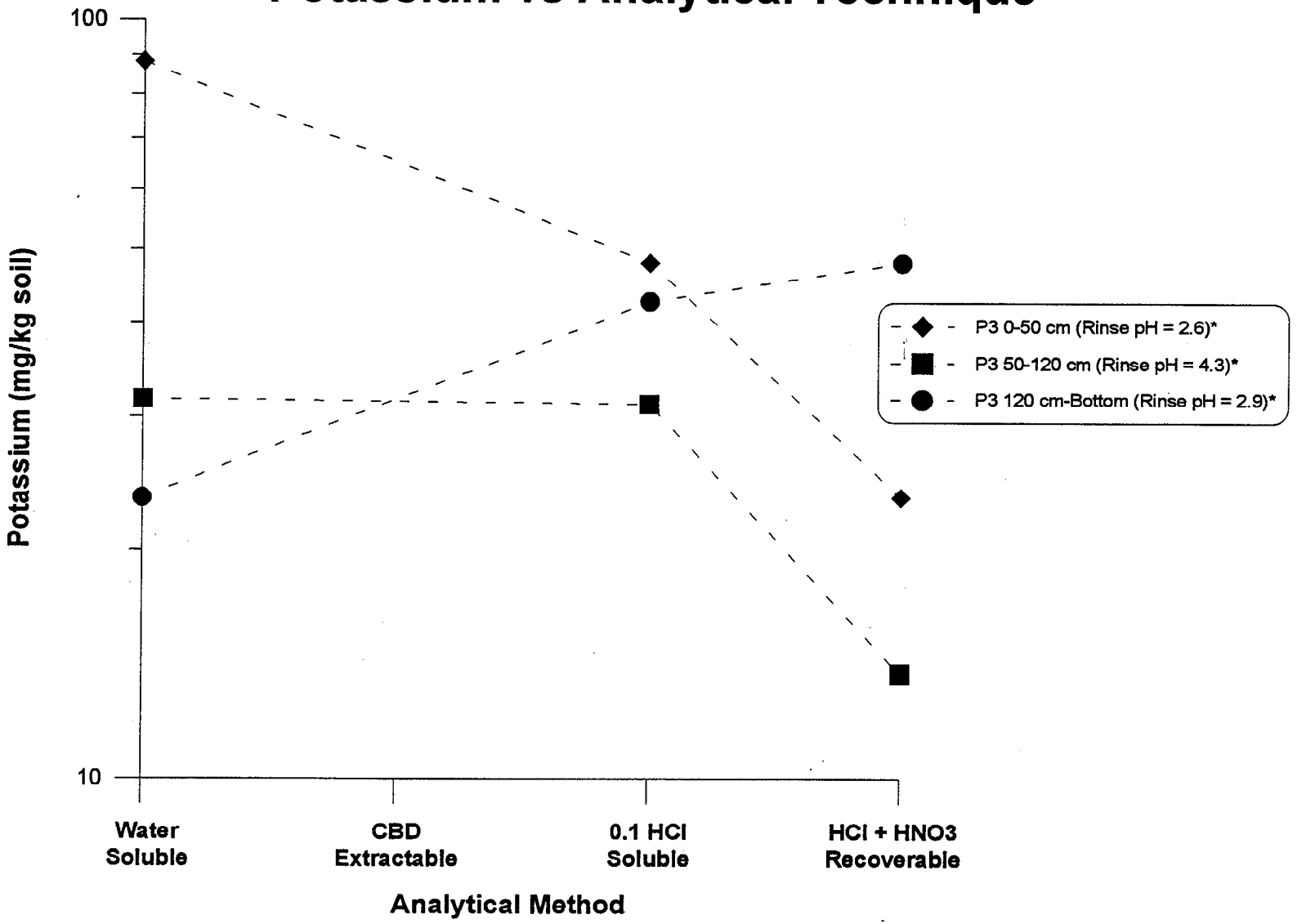
Nickel vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

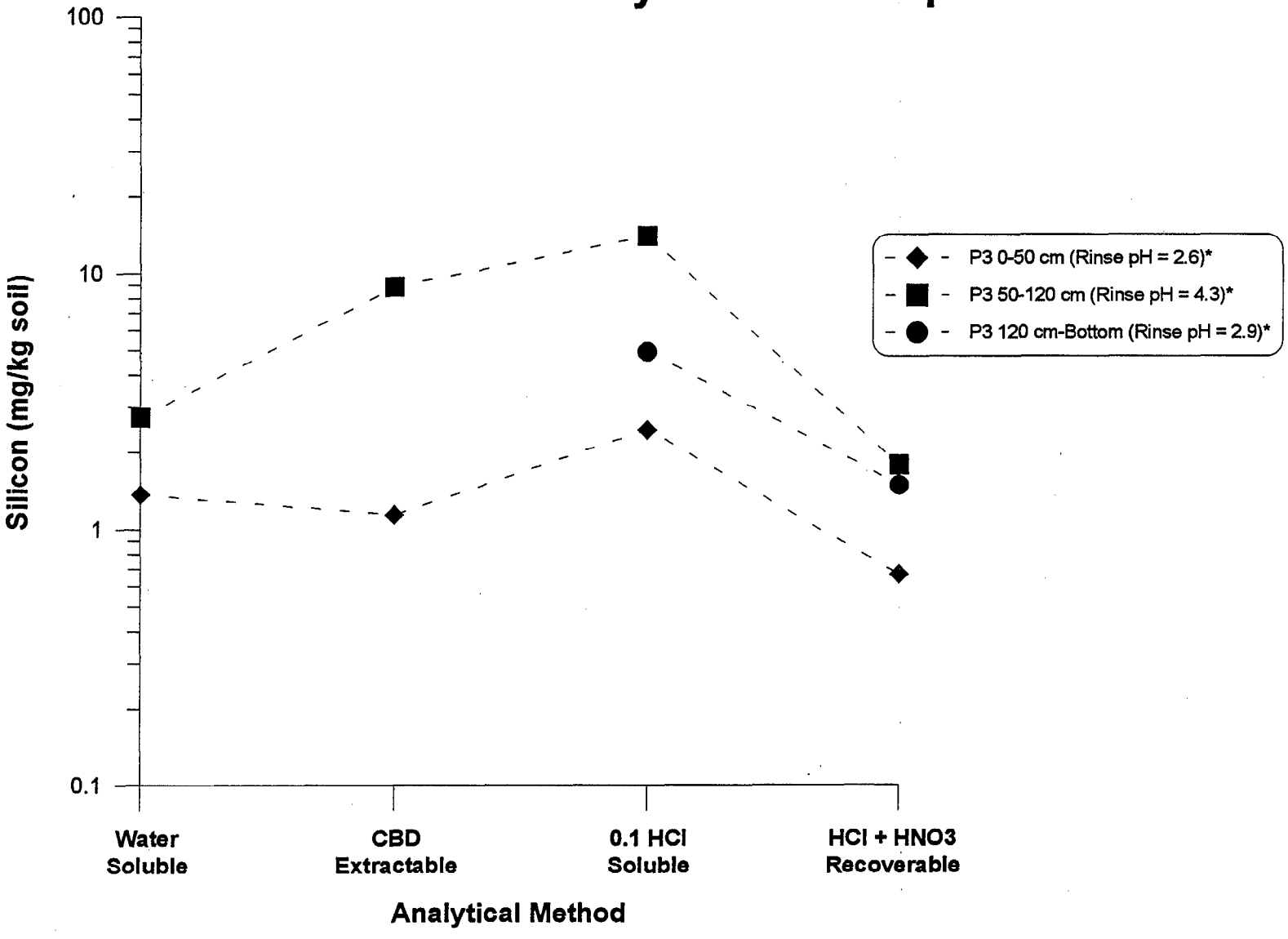
Potassium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

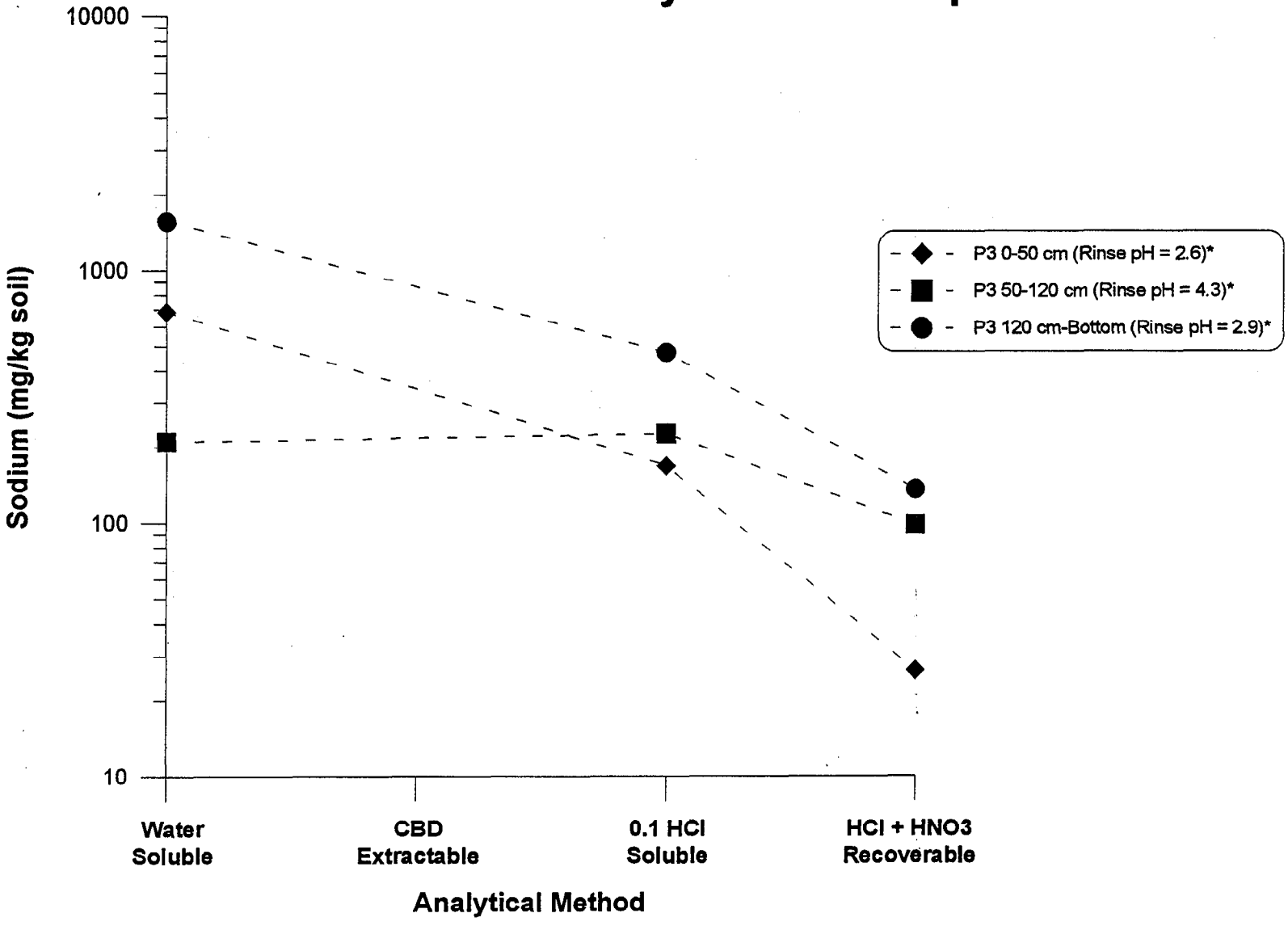
Silicon vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

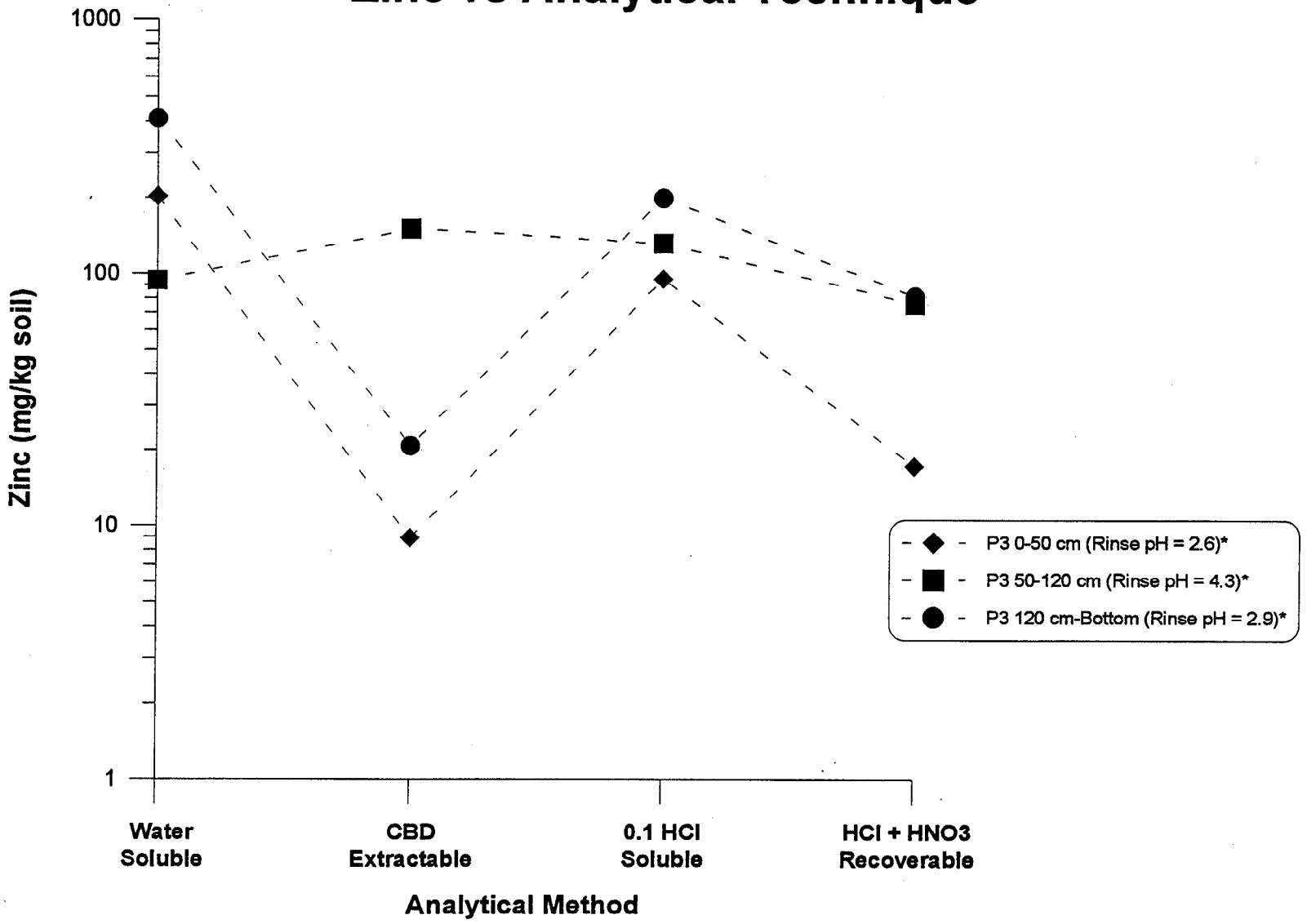
Sodium vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

Zinc vs Analytical Technique

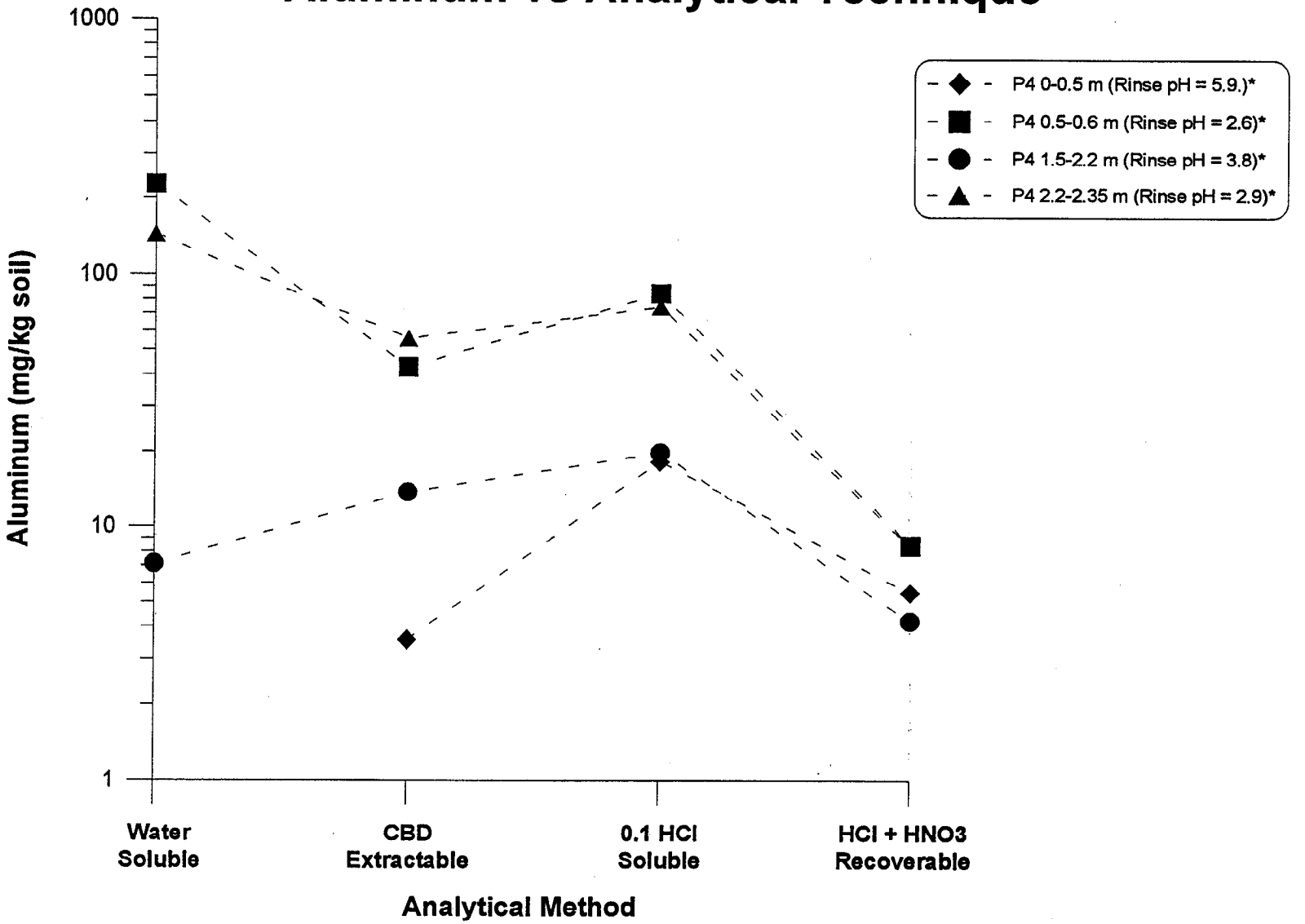


E6.3 Profile #4

MDA Waste Rock Project

< 2 mm Size Fraction

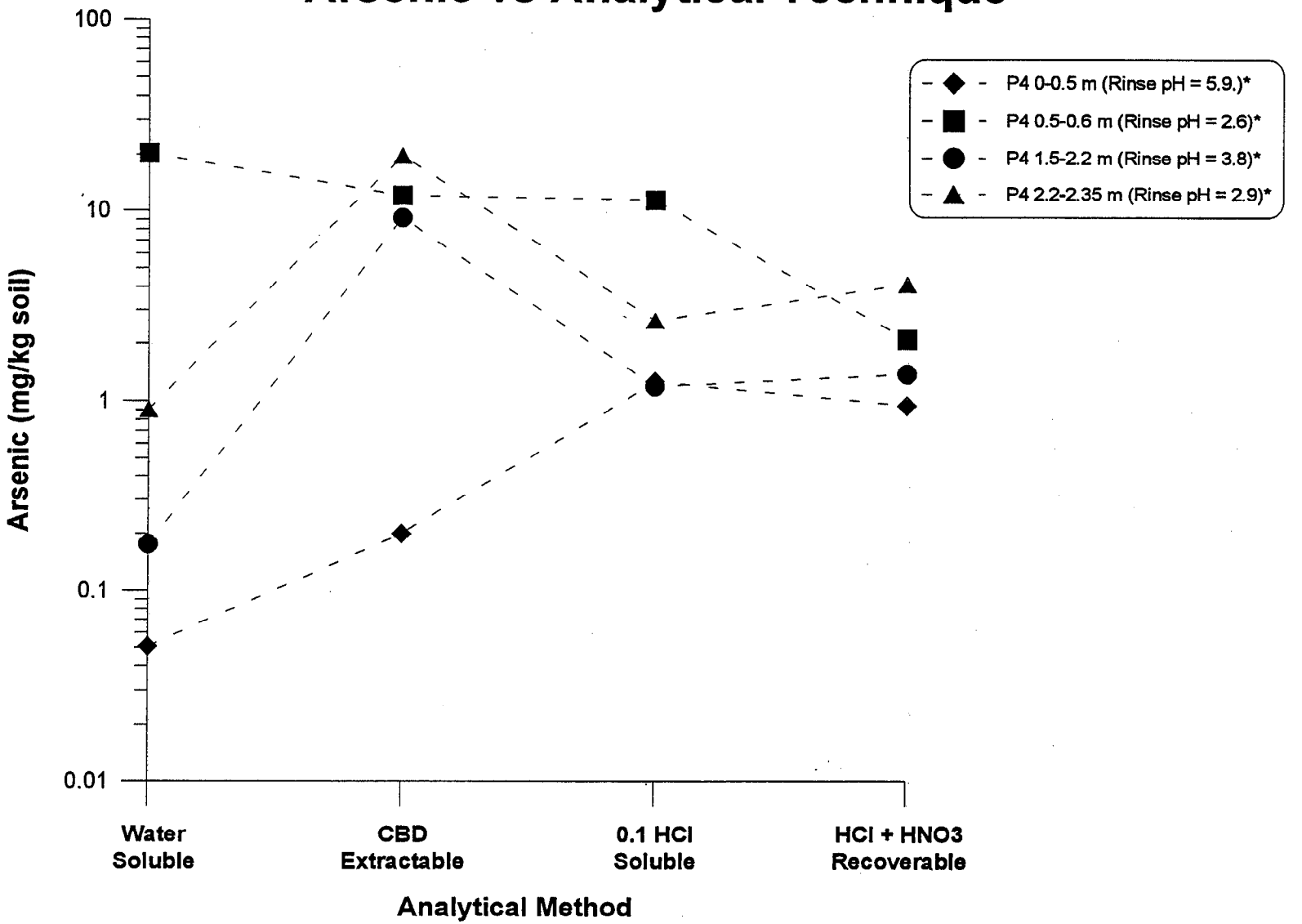
Aluminum vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

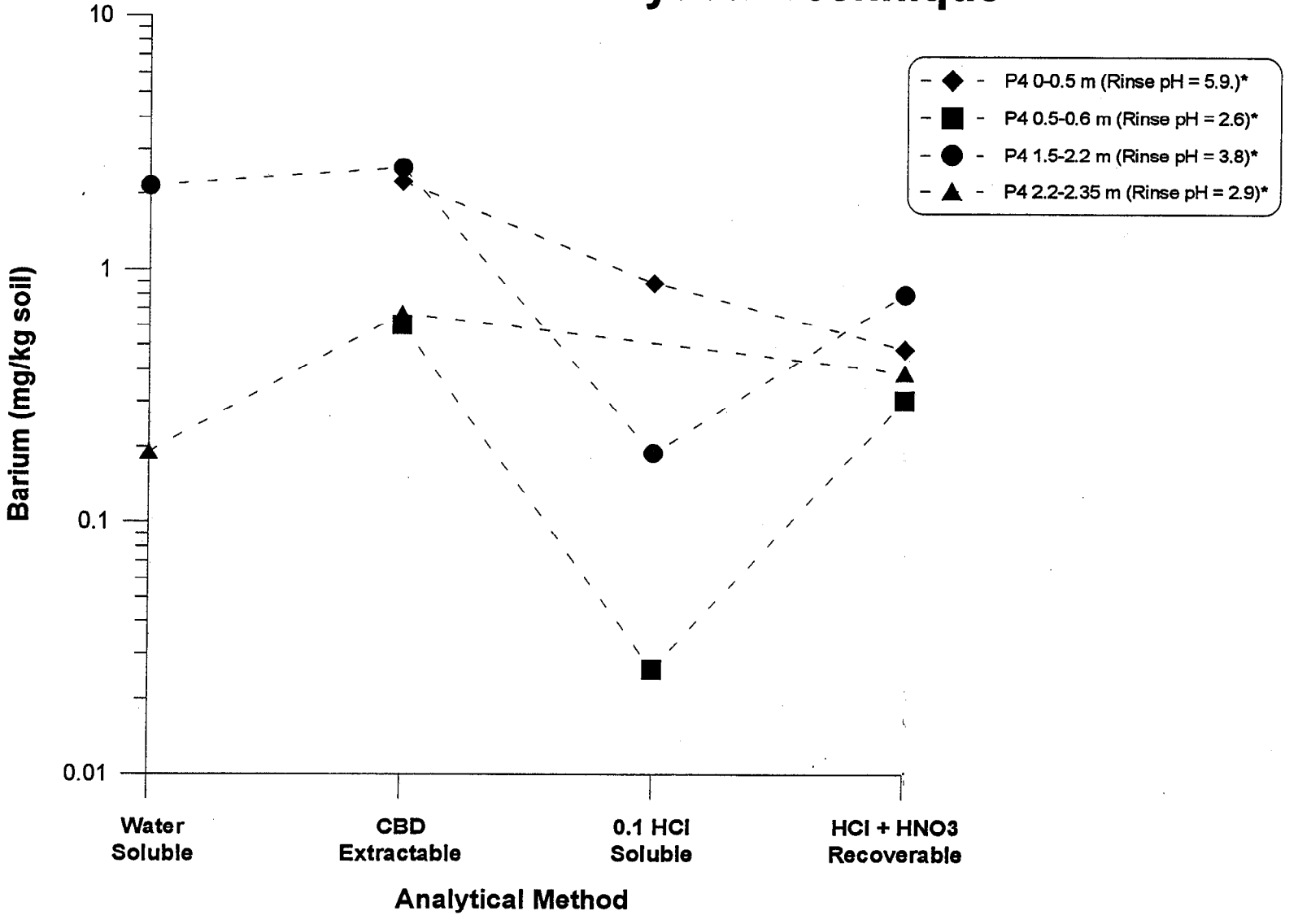
Arsenic vs Analytical Technique



MDA Waste Rock Project

< 2 mm Size Fraction

Barium vs Analytical Technique



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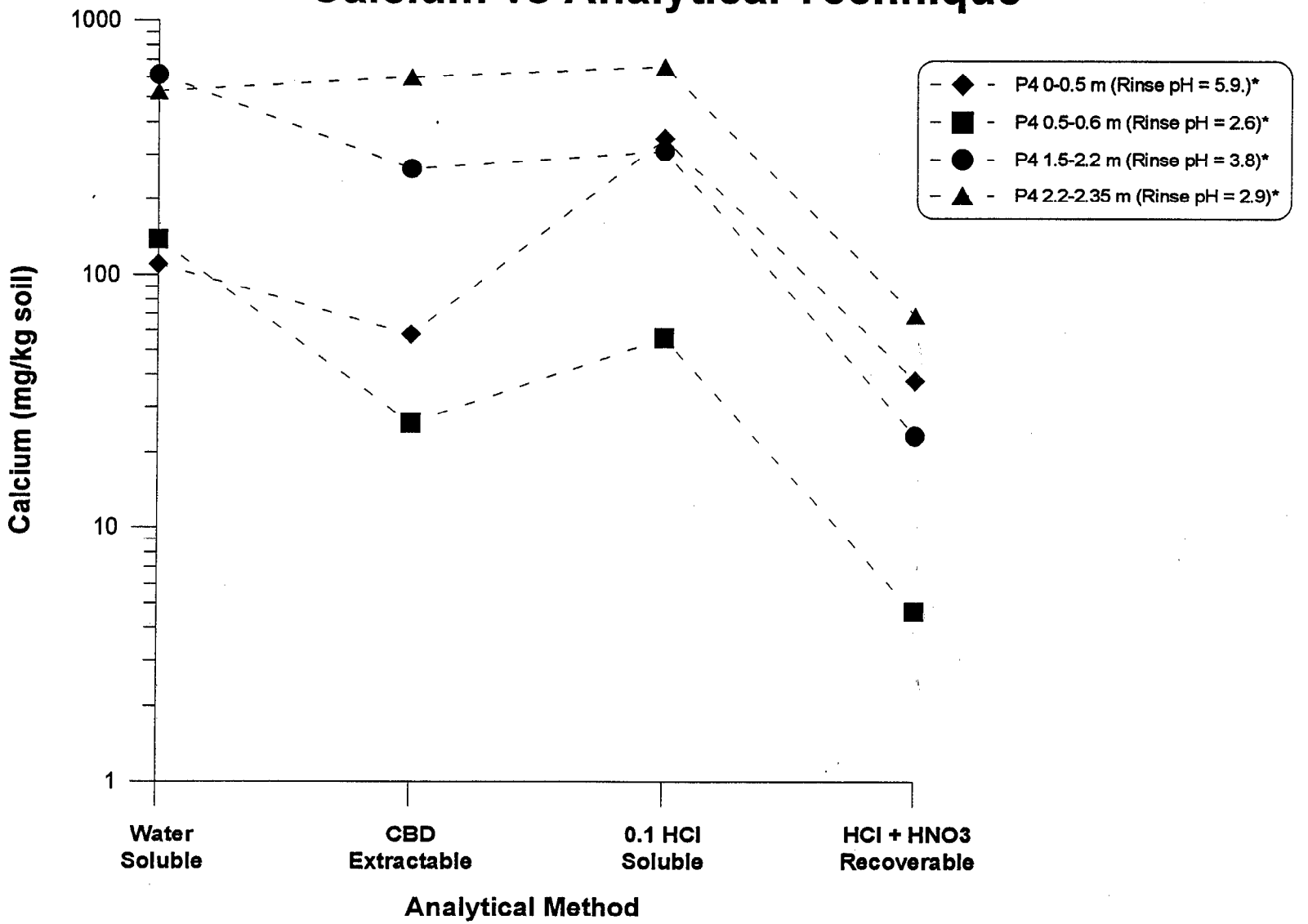
Calcium vs Analytical Technique



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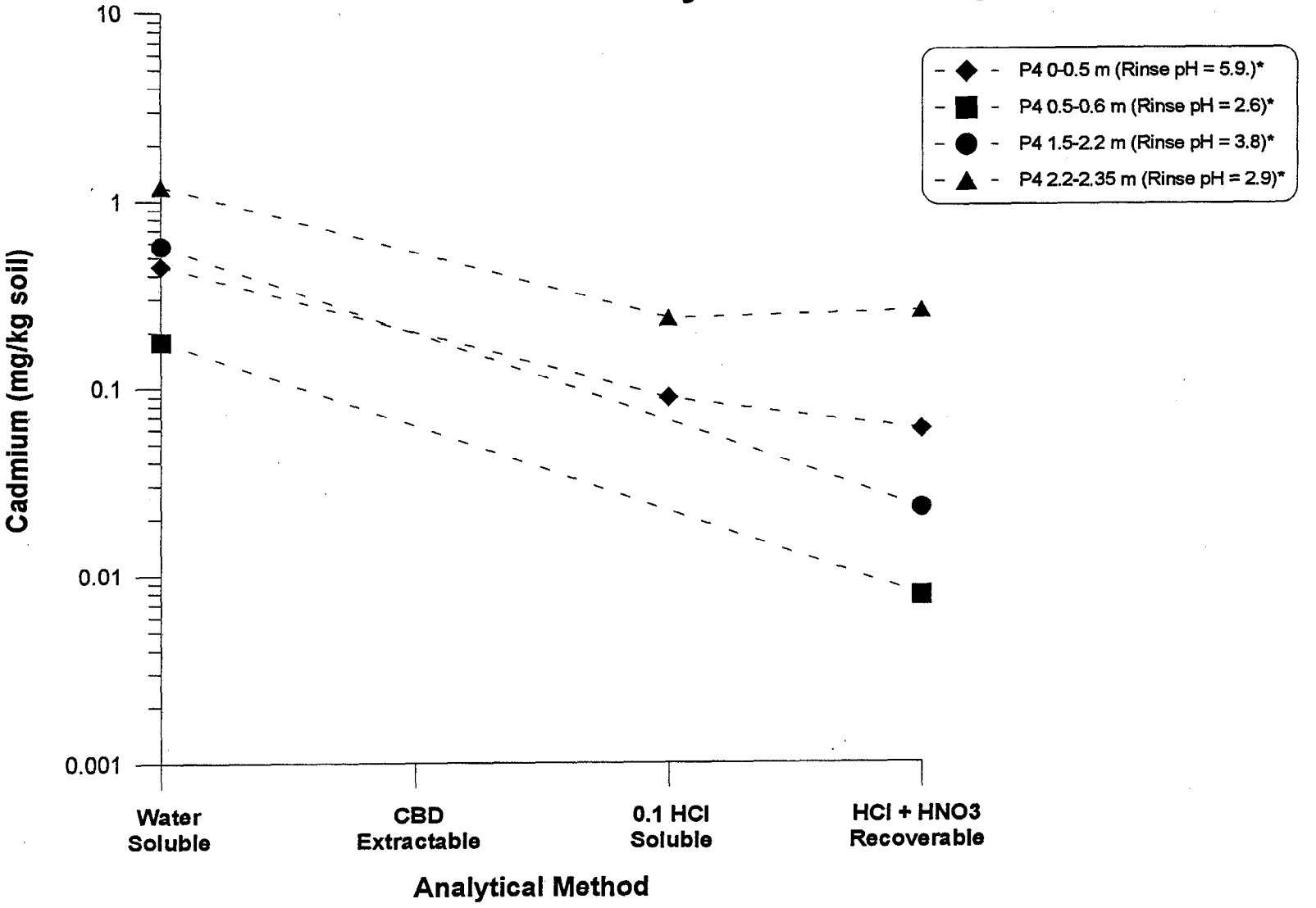
Cadmium vs Analytical Technique



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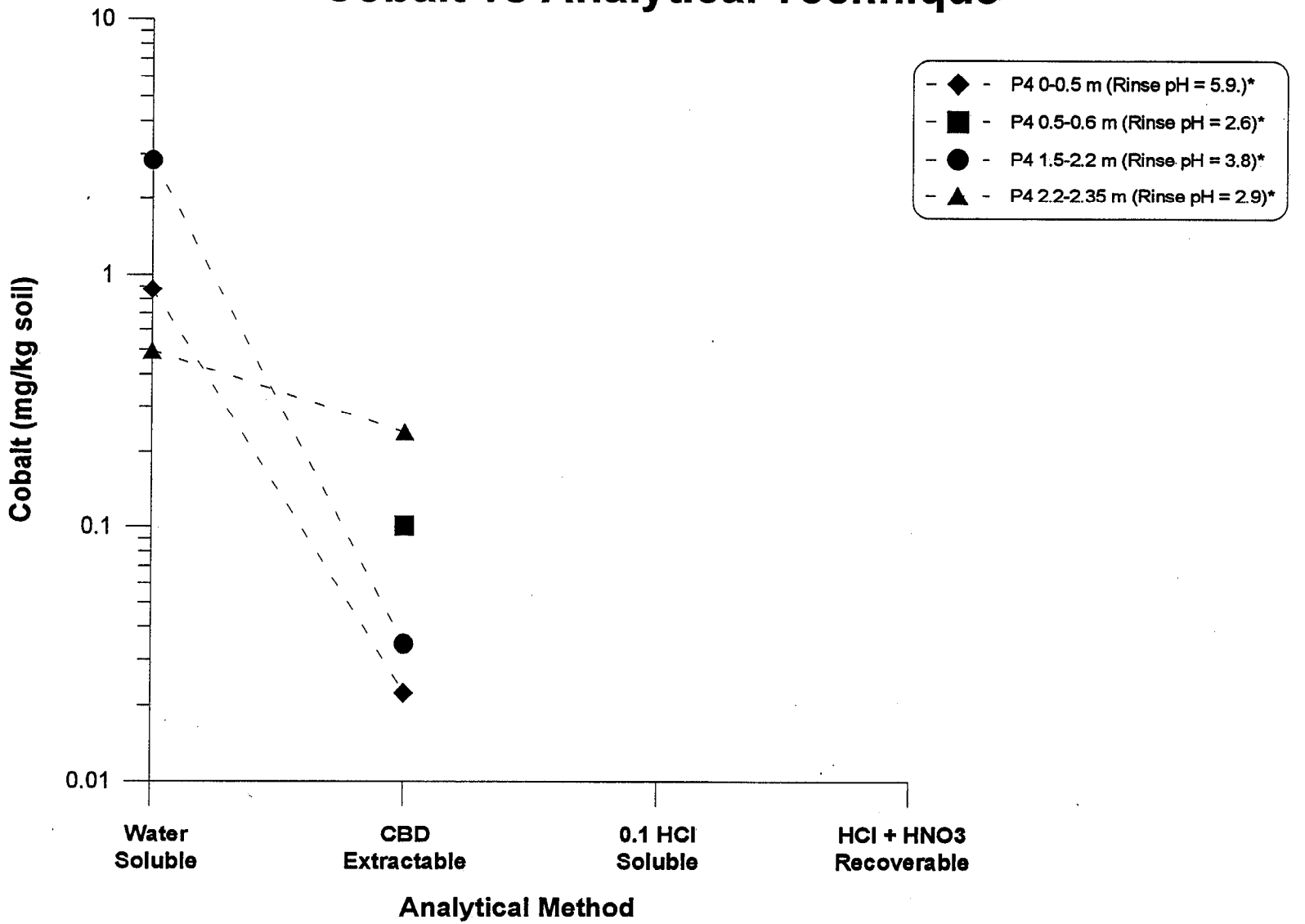
Cobalt vs Analytical Technique



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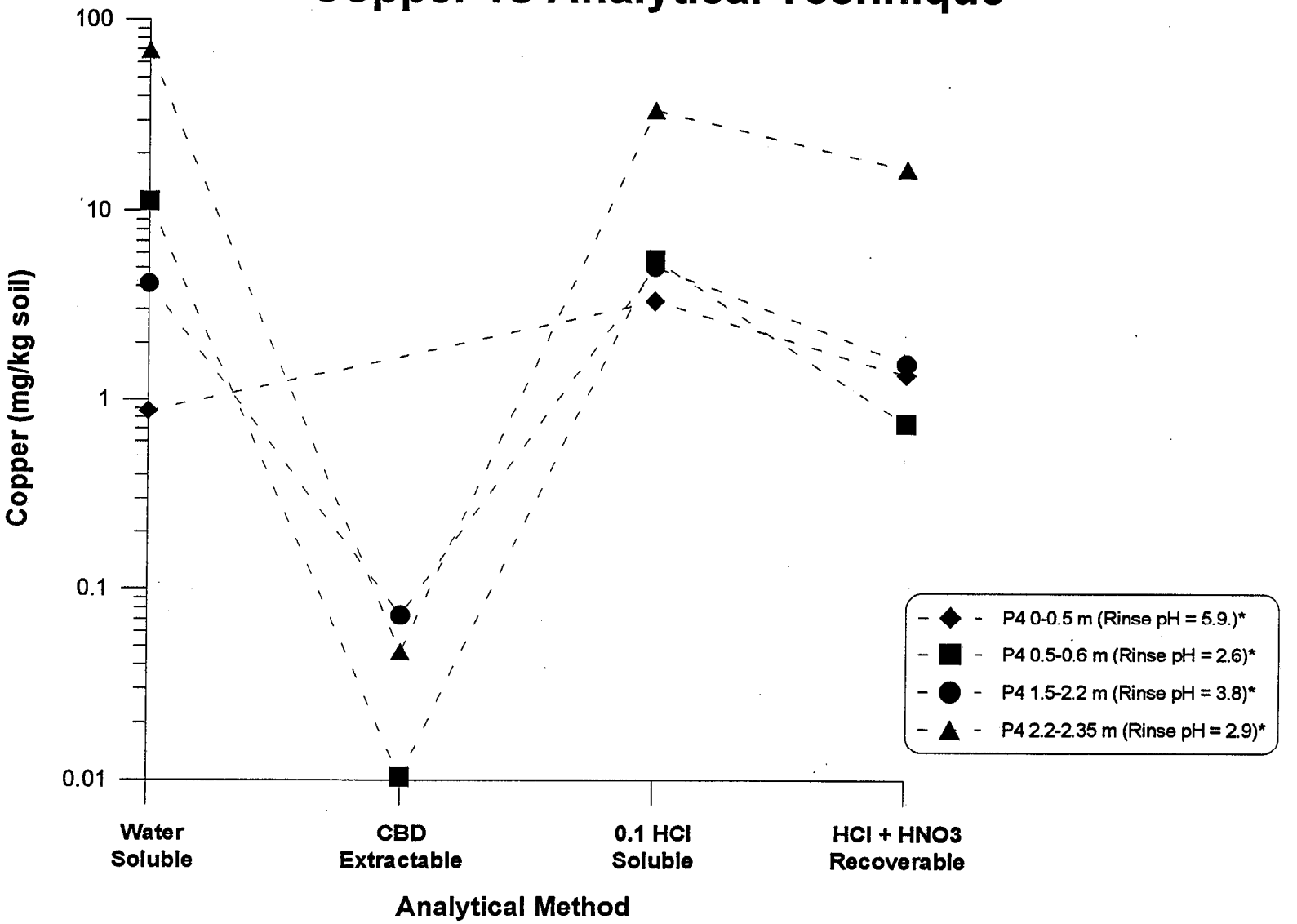
Copper vs Analytical Technique



MDA Waste Rock Project

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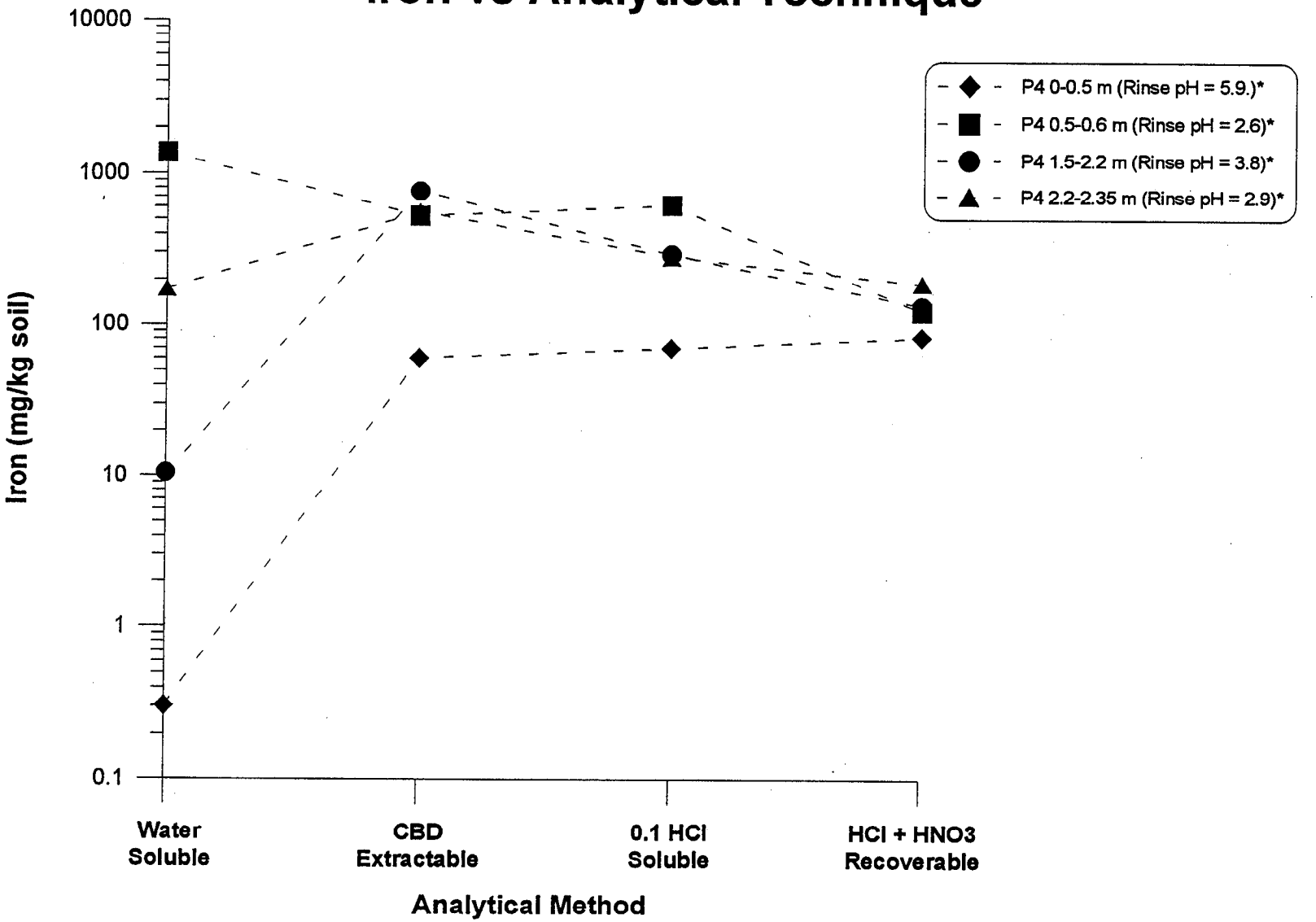
Iron vs Analytical Technique



MDA Waste Rock Project

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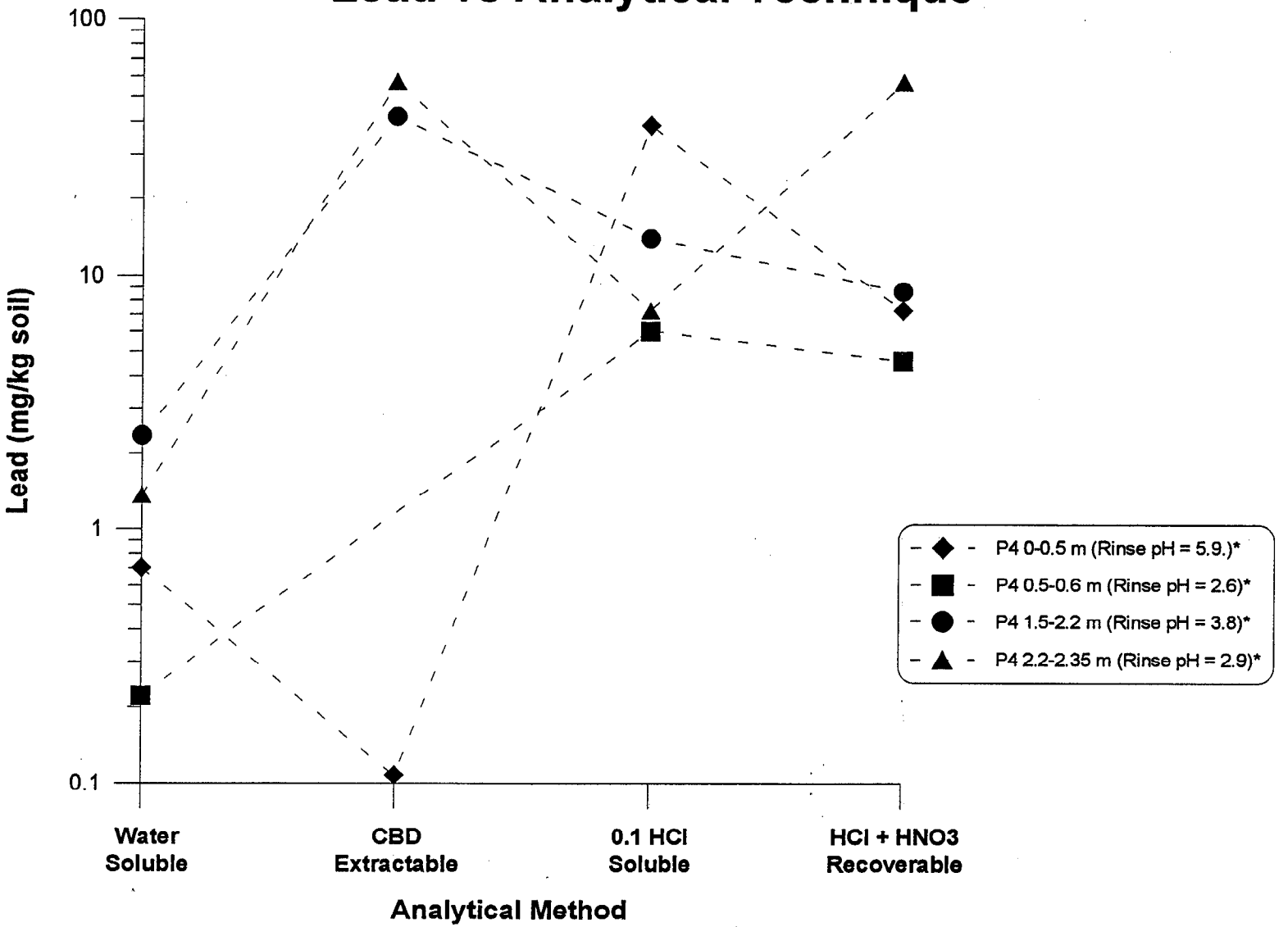
Lead vs Analytical Technique



MDA Waste Rock Project

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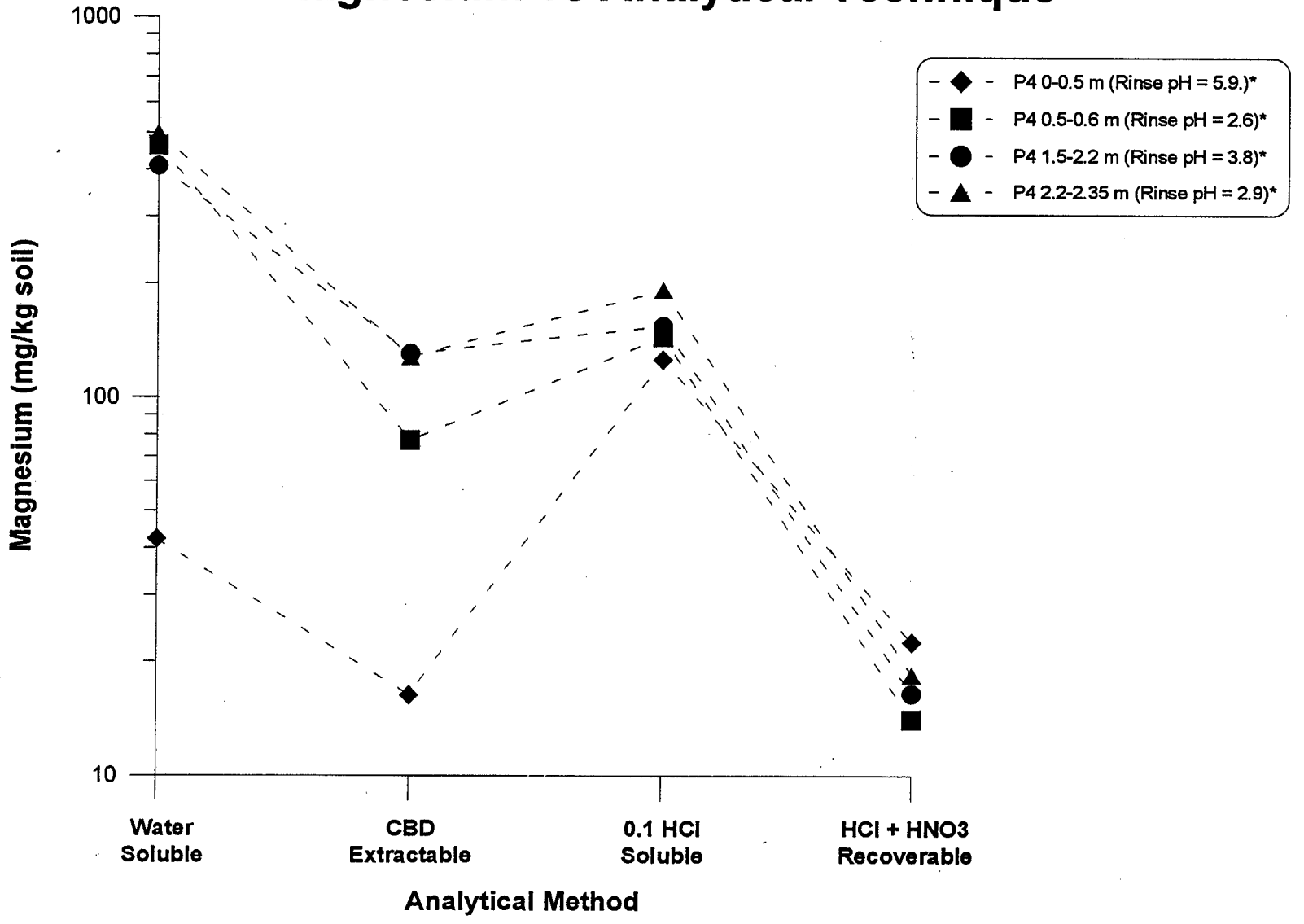
Magnesium vs Analytical Technique



MDA Waste Rock Project

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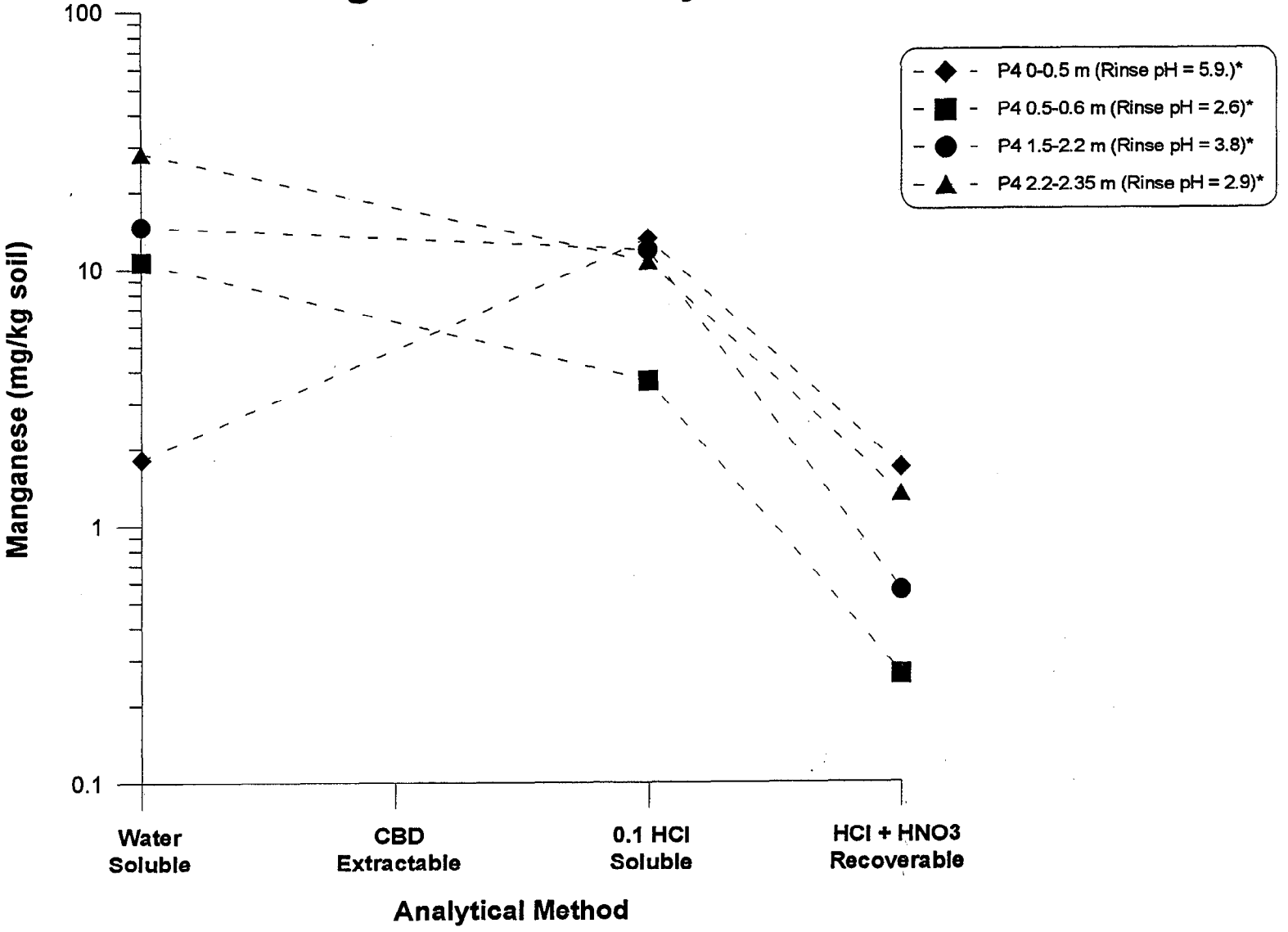
Manganese vs Analytical Technique



MDA Waste Rock Project

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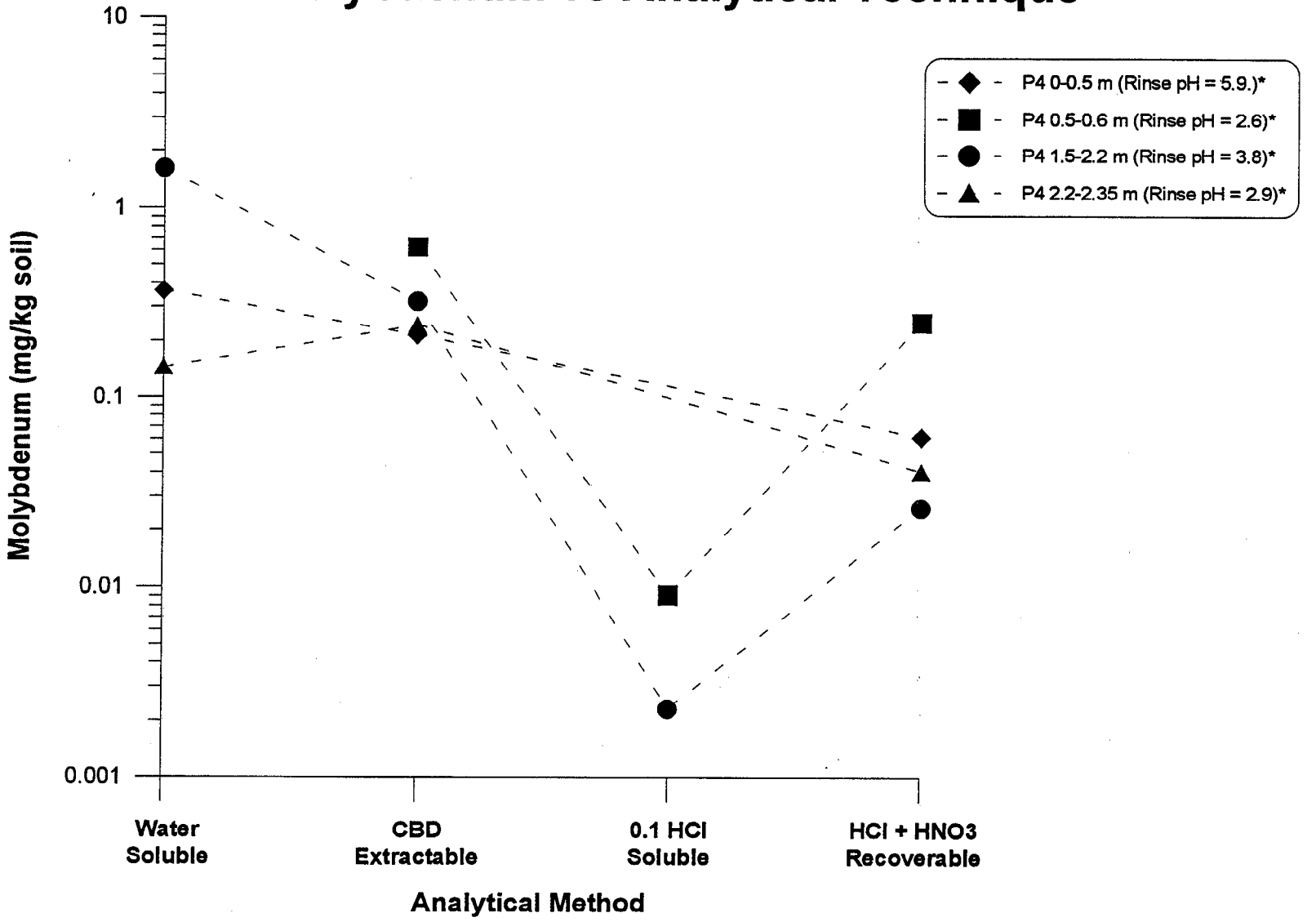
Molybdenum vs Analytical Technique



MDA Waste Rock Project

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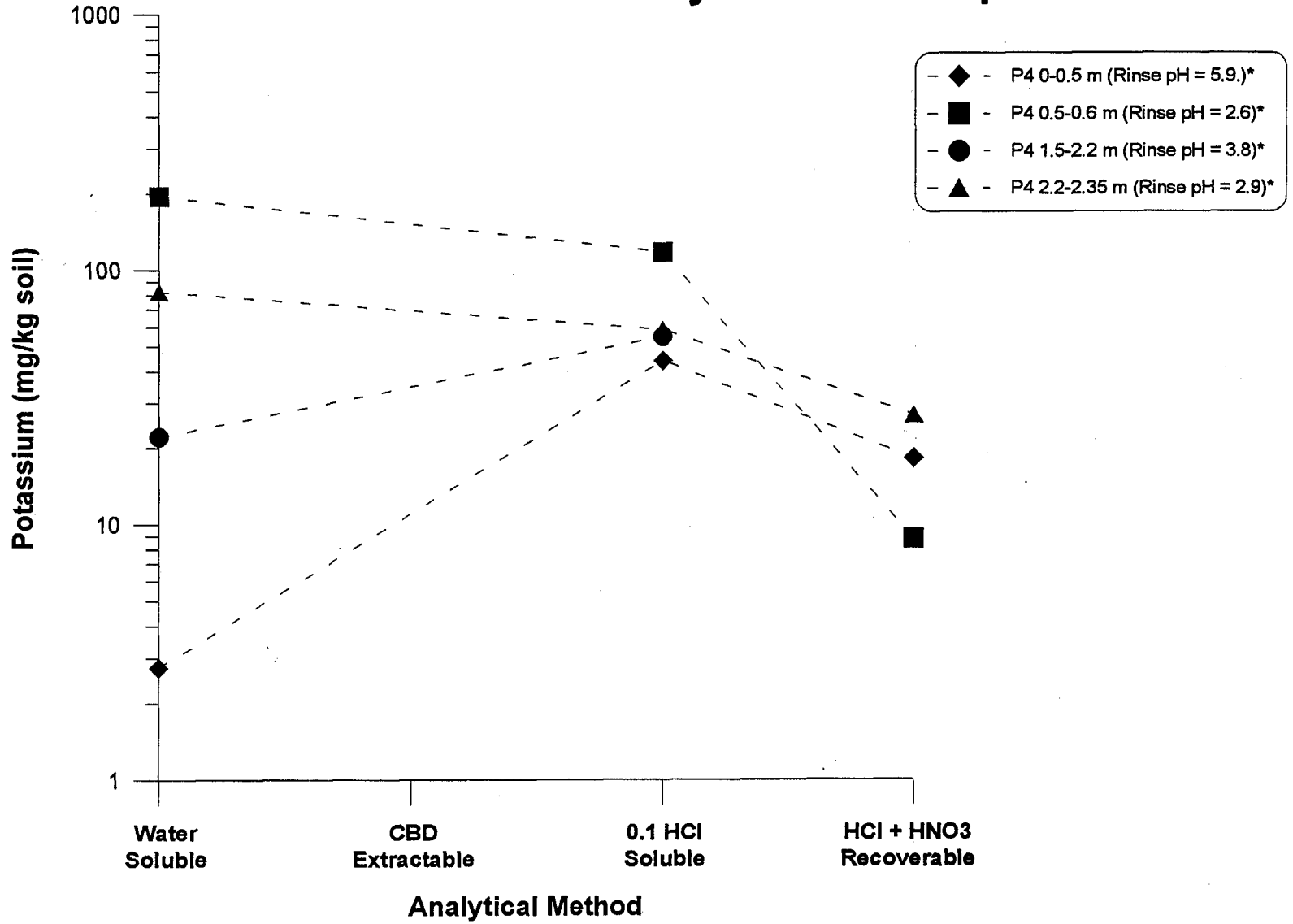
Potassium vs Analytical Technique



MDA Waste Rock Project

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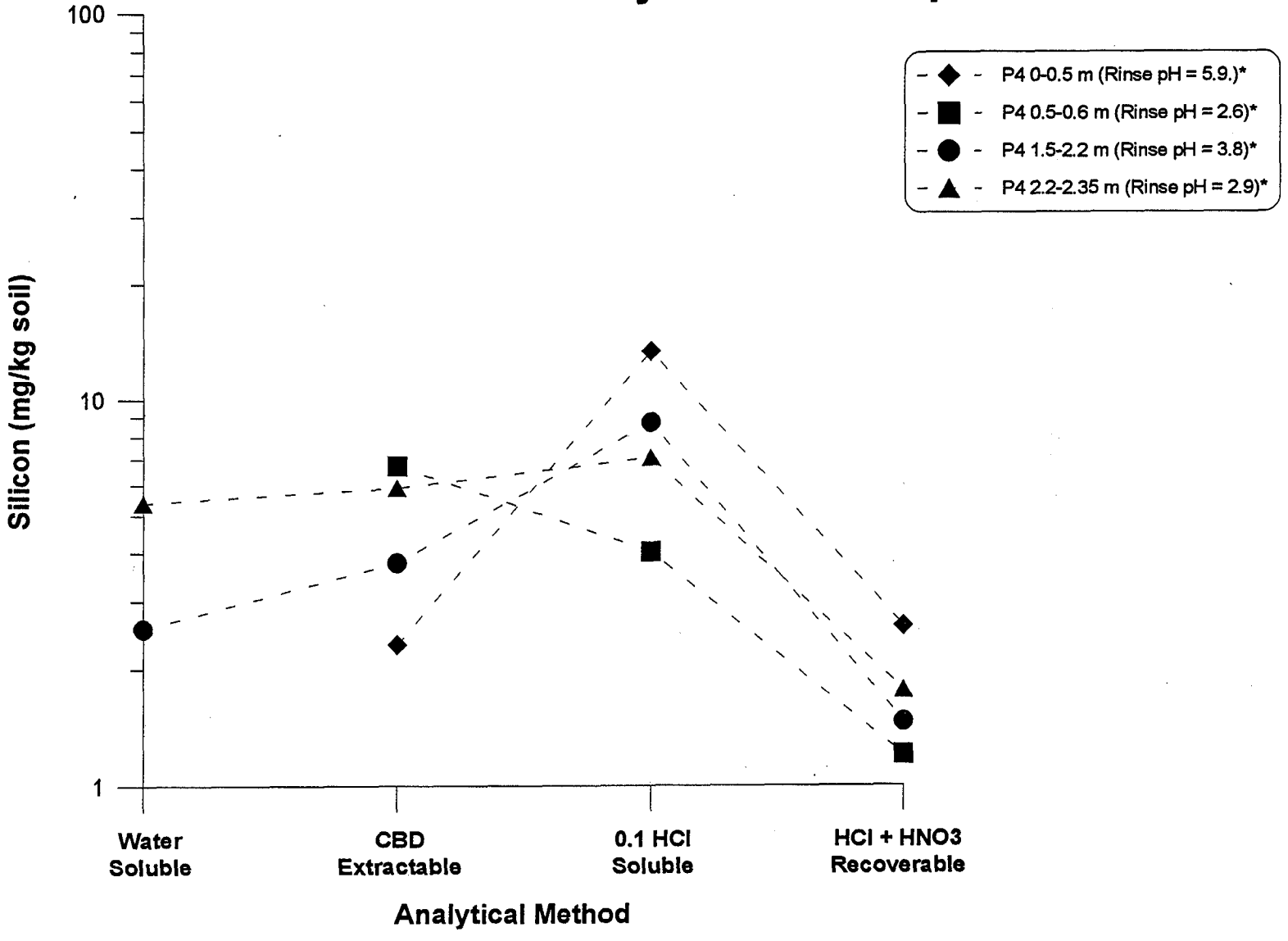
Silicon vs Analytical Technique



MDA Waste Rock Project

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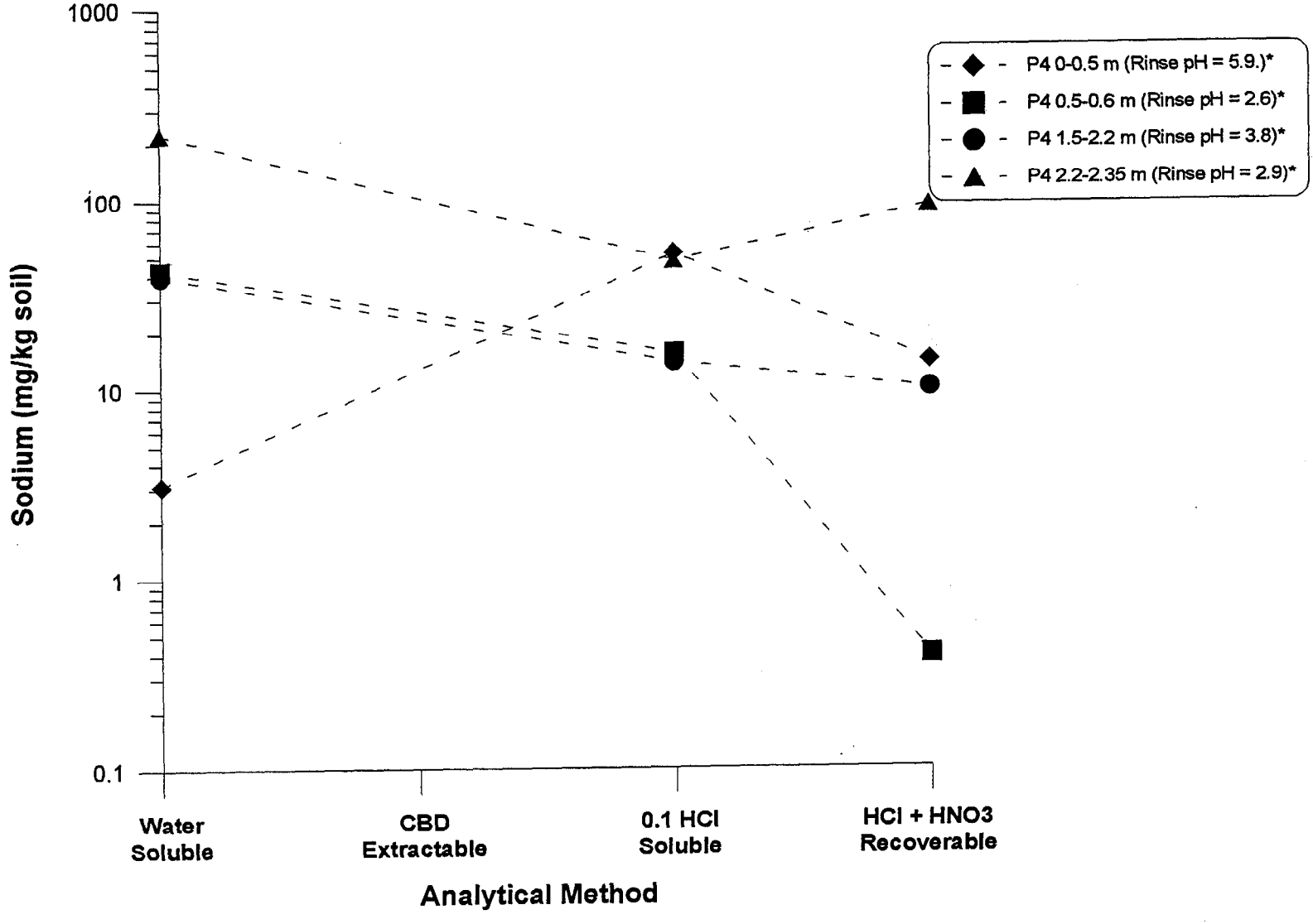
Sodium vs Analytical Technique



MDA Waste Rock Project

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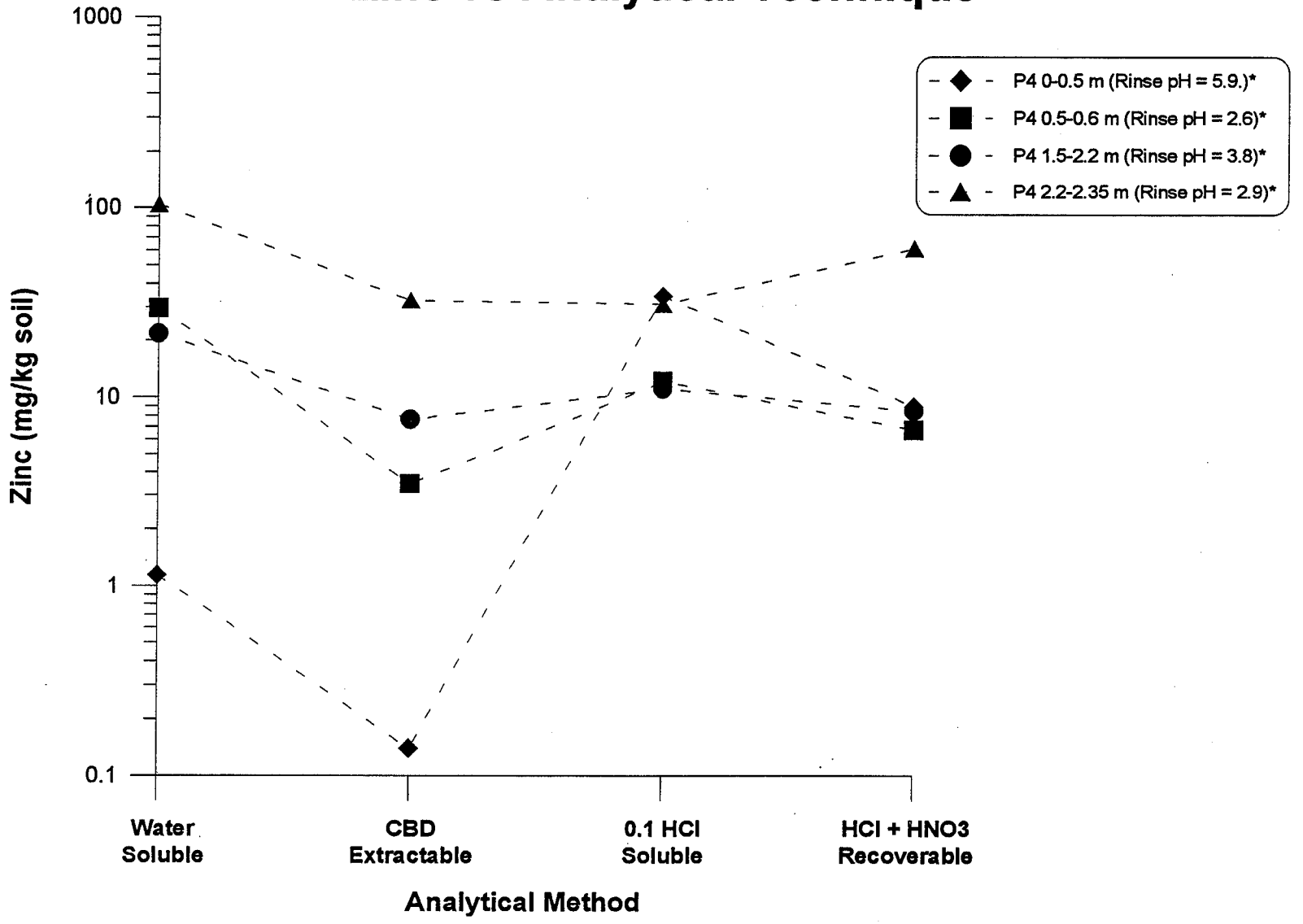
Zinc vs Analytical Technique



APPENDIX

Appendix F. Descriptions of Paint-Flush (PF) Locations

ESKAY CREEK FIELD NOTES

May 18 - 20, 1995

WASTE ROCK PAINT STAINING LOCATIONS

Paint: CIL Interior Paint Latex Eggshell Finish

Barrel: 45 gallons barrel; diameter about 55 cm

May 18, 1995

PF #1 Used barrel; used 5 gallons of undiluted paint; maximum ponding depth of paint was about 9 cm; paint applied at about 4 pm May 18, paint was still wet at 9 am May 19.

Excavation to about 5 cm depth - all surface rocks were completely coated; excavation done at centre of pour area; at about 5 cm depth there were a few large cobbles with a maximum diameter of about 10 cm; a few cobbles with a maximum diameter of about 5 cm, just about all rocks were coated; cobbles are coated 100% (probably because the paint ponded); in the upper 5 cm about 25% of the rocks have a diameter > 5 cm, 50% with a diameter of 1 to 5 cm, and 25% with a diameter of < 1 cm which is fine-to-medium sand; 10% of the rocks were not coated.

Excavation to about 15 cm depth - 90 % of the rocks are still coated, hit a boulder that blocked about 25% of the pour area, the paint ran off the boulder (boulder at about a 45° angle) resulting in some lateral flow.

Excavation to about 25 cm depth - boulder widens with depth taking up almost 50 - 60 % of the pour area; under the boulder very little is coated; a couple of small paint streams ran around the boulder to coat rocks below but only about 3% of the rocks below the boulder were coated; most paint ran off the slope of the boulder; a root was located by the boulder and we were unable to get pass it as it is on the down slope of the boulder; the root is coated with paint; off to the side and about 5 cm below the boulder there is still wet paint and the rocks are coated and saturated; if the top of the boulder is defined as north then to the west of the boulder out about 10 cm 100% of the rock surfaces

ESKAY CREEK FIELD NOTES

May 18 - 20, 1995

are coated; to the southwest 25% of the surface are coated; to the south about 50% of the surfaces are coated, the paint flowed laterally and then downwards resulting in a channelling effect, the paint went about 15 cm laterally.

PF #2 — Used a barrel; used about 10 gallons of diluted paint (dilution was about 1:1 with water); paint ponded inside barrel.

PF #3 — Used a barrel; used about 10 gallons of diluted paint (dilution was about 1:1 with water); surface very hard; poor seal on barrel, paint leaked from edges; paint ponded inside barrel.

PF #4 — No barrel used; used about 10 gallons of diluted paint; waste rock was coarse and paint flowed well; pouring diameter was about 30 cm by 60 cm.

May 19, 1995

PF #5 — No barrel used; used about 10 gallons of undiluted paint; waste rock was coarse and paint flowed well; pouring diameter was about 30 cm.

PF #6 — No barrel used; used about 10 gallons of diluted paint (dilution was about 1:1 with water); pouring diameter was about 40 cm; located in a depression below PF #7 and spruce tree, half way between PF #7 and PF #4; there was about 5 cm of ponded paint left on surface.

PF #7 — Beside spruce tree on mound; used about 10 gallons of undiluted paint; waste rock was coarse and paint flowed well; diameter of pouring area was about 30 cm.

PF #8 — Barrel was used; used about 10 gallons of diluted paint (dilution about 1:1 with water; waste rock was fine but paint flowed well; good seal around barrel.

ESKAY CREEK FIELD NOTES

June 29 - 31, 1995

WASTE ROCK PAINT STAINING LOCATIONS

Paint: CIL Interior Paint Latex Eggshell Finish

Barrel: 45 gallons barrel; diameter about 55 cm

June 29, 1995

PF #9 Undisturbed waste rock; ~5 gallons of dilute paint used; barrel used; fine grained material; paint ponded in barrel; dug down to install barrel, good seal on barrel; install about 4:00 pm - 4:30 pm June 29, 1995.

Removed barrel (8:00 am, June 30, 1995); paint ponded about 1.5" depth; left barrel off site to allow paint to dry; diameter of barrel ~56 cm.

PF #10 Undisturbed waste rock; ~5 gallons of dilute paint used; barrel used; fine grained material; paint ponded in barrel.

PF #11 Undisturbed waste rock; no barrel used; used ~10 gallons of diluted paint; waste rock coarse and paint flowed well; surface pour area about 40 cm x 20 cm; pour location about 1 m from a waste rock cut face.

Break through of paint to waste rock cut face; paint ran out to the waste rock cut face [and about 0.5 m down the face and ~1.2 m laterally downslope].

Top - surfaces 100% coated; waste rock was coarse, most >2 cm in diameter; from the point of pour, the paint ran down a sloping surface of the waste rock; was ~25 cm wide and went 1.2 m laterally; the paint then came out of the waste rock and ran along a sloping surface which was basically a gravelly sandy silt; the paint thickness on the surface was ~1 mm; the paint did not reinfiltrate; the flow was 40 cm wide and went 1.5 m downslope.

5 cm depth (from top) - small puddles and pockets of paint found.

ESKAY CREEK FIELD NOTES

June 29 - 31, 1995

10 cm depth - flow widened in one area and narrowed in another; the fine material found seems to be holding the paint; surfaces of the waste rock are less coated overall.

23 cm depth (from top) - most of the paint is concentrated within a 7 cm radius of the centre; ~75% of the surfaces of the waste rock within this radius were coated; outside the radius there were small streams/rivulets and pools of paint at various depths with waste rock coated in varying degrees.

25-30 cm depth (from top) - medium grey gravelly sand is found; material is moist.

PF #12 Undisturbed waste rock; ~5 gallons of dilute paint used; barrel used; paint leaked out around edge of barrel; fine material.

Removed barrel to allow paint to dry; paint ponded in places up to 1" depth.

Size of surface area was 40 cm x 20 cm; 100% of waste rock covered; whole rocks were coated.

20 cm depth (from top) - material still remains to be a sandy gravel; virtually 100% of the surfaces coated; very little expansion of the paint flow outward; good channelling; rock very moist (H_2O); paint very soupy.

PF #13 Disturbed waste rock; ~ 10 gallons of dilute paint and ~5 gallons of undiluted paint used; good flow; coarse material.

PF #14 Disturbed waste rock; ~5 gallons of dilute paint used; good flow.

PF #15 Disturbed waste rock; coarse material; ~7 gallons of dilute paint used; paint flowed laterally into waste rock; sandy gravel and cobbles; 25 cm x 20 cm pour area; on pour paint moved laterally into waste rock pile; 100% of surface rocks covered.

PF #16 Disturbed waste rock; ~5 gallons of paint diluted with water, applied by alternating paint and water; cobbles; 30 cm x 25 cm.

APPENDIX

Appendix G. Photographs of Dump Disassembly

Photo 1. Prior to dump placement, looking southwest; bedrock knob in centre background with tress growing in valleys on either side.

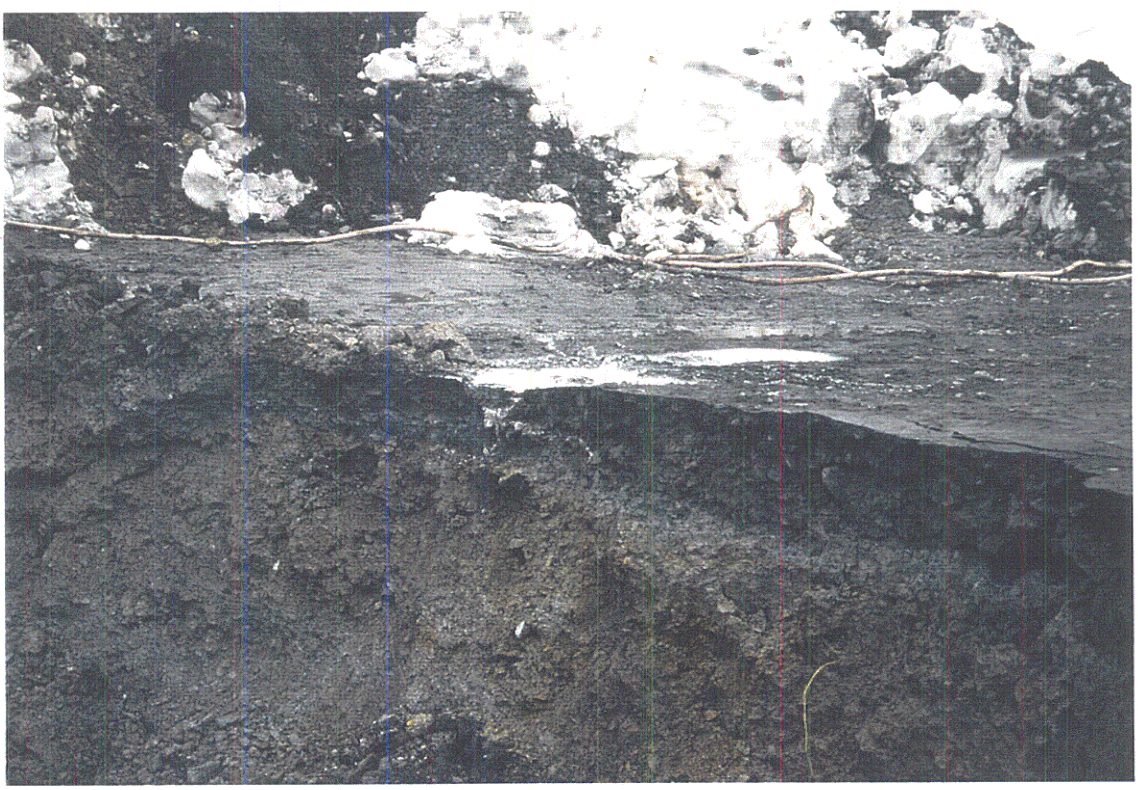


Photo 2. During dump disassembly; uppermost fine-grained layer cut during excavation.

Photo 3. During dump disassembly; dump disassembled in lifts (layers); note orange-brown oxidation.

Photo 4. During dump disassembly; exposed face with ponded acidic drainage at base; note shovel for scale.

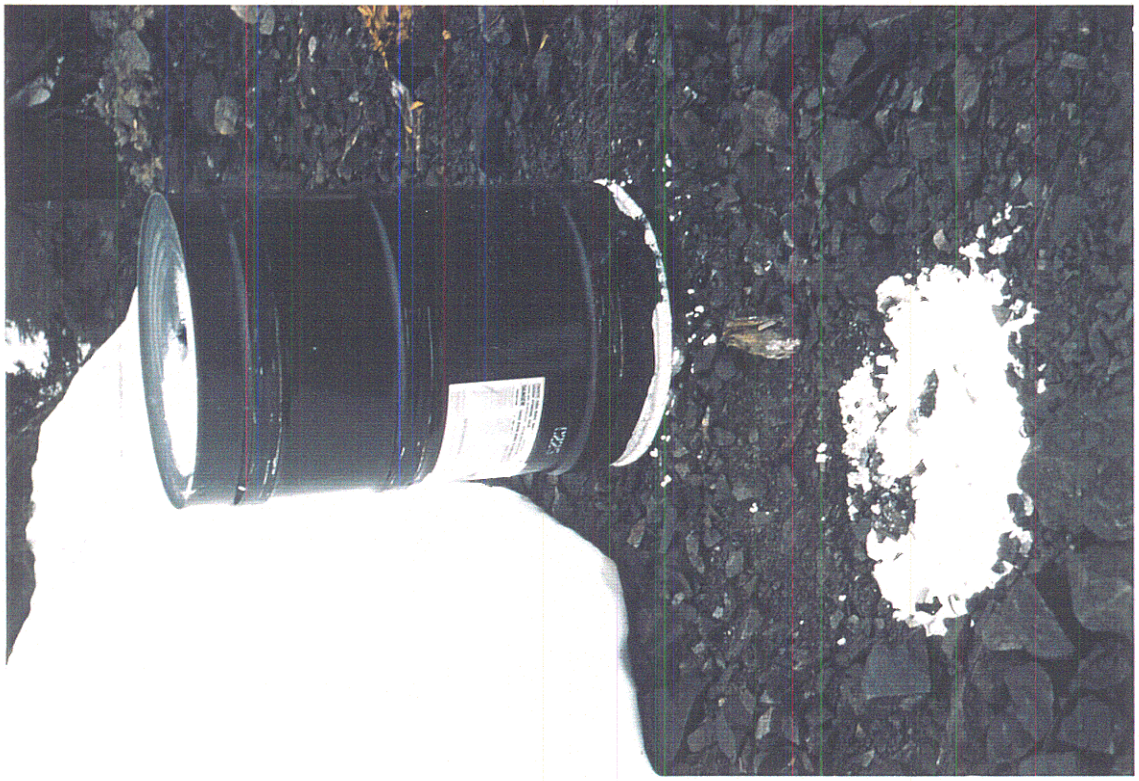


Photo 5. During dump disassembly; bottomless 45-gallon drum used for white-paint tracer testing; moved off of tracer-application point.

Photo 6. During dump disassembly; fresh-cut exposure of waste rock showing white paint confined above, and flowing over, an oxidized layer.

Photo 7. During dump disassembly, looking northeast with bedrock knob in right background.

Photo 8. During dump disassembly, looking northeast; remnants of waste rock on northwest length of dump.

Photo 9. After dump disassembly, looking northeast with bedrock knob in left middleground; small valley to left of knob returned to pre-dump contours (see Photo 1).

Photo 10. During dump disassembly; placement of excavated waste rock in nearby lake.